UNIVERSITY MEDICAL CENTER PHYSICIANS NEW WOLFFORTH CLINIC

720 DONALD PRESTON DRIVE WOLFFORTH, TEXAS 79382

CODE & REFERENCE

SHEET NAME CR-01 CODE REVIEW PLAN

ARCHITECTURAL SITE

SHEET NAME SP-01 SITE PLAN SP-02 SITE ENLARGED PLANS & DETAILS

SHEET NAME SHT.# **GENERAL NOTES** C-02 SITE DEMOLITION PLAN SITE GRADING PLAN SITE DIMENSION CONTROL PLAN SITE JOINTING PLAN C-06 SITE DETAILS

SITE UTILITY PLAN

C-08 SITE STORMWATER ROUTING PLAN

STRUCTURAL

SHEET NAME GENERAL STRUCTURAL NOTES FOUNDATION PLAN FRAMING PLAN HIGH ROOF FRAMING PLAN **BRACE FRAME ELEVATIONS BRACE FRAME DETAILS** TYPICAL FOUNDATION DETAILS **FOUNDATION DETAILS** FRAMING DETAILS I FRAMING DETAILS II LIGHT GAUGE FRAMING DETAILS

FRAMING SECTIONS

S-13 FRAMING SECTIONS

ARCHITECTURAL

SHT.# DIMENSION PLAN ANNOTATED PLAN A-03 REFLECTED CEILING PLAN A-04 ROOF PLAN A-05 EXTERIOR ELEVATIONS **BUILDING SECTIONS** A-07 BUILDING SECTIONS A-08 WALL SECTIONS A-09 WALL SECTIONS A-10 DETAILS A-11 INTERIOR ELEVATIONS A-12 INTERIOR ELEVATIONS A-13 INTERIOR ELEVATIONS MILLWORK ELEVATIONS A-15 MILLWORK ELEVATIONS A-16 MILLWORK SECTIONS DOOR SCHEDULE FRAME SCHEDULE

HEAD, JAMB, AND SILL DETAILS

A-20 HEAD, JAMB, AND SILL DETAILS

INTERIORS

SHEET NAME FLOOR FINISH PLAN **WALL FINISH PLAN**

MECHANICAL

SHEET NAME M-00 MECHANICAL NOTES, LEGENDS, & **ABBREVIATIONS** M-01 FLOOR PLAN - MECHANICAL FLOOR PLAN - MECHANICAL PIPING M-03 ROOF PLAN - MECHANICAL **MECHANICAL SECTIONS** M-05 MECHANICAL SCHEDULES M-06 MECHANICAL DETAILS

PLUMBING

P-08 PLUMBING SCHEDULES

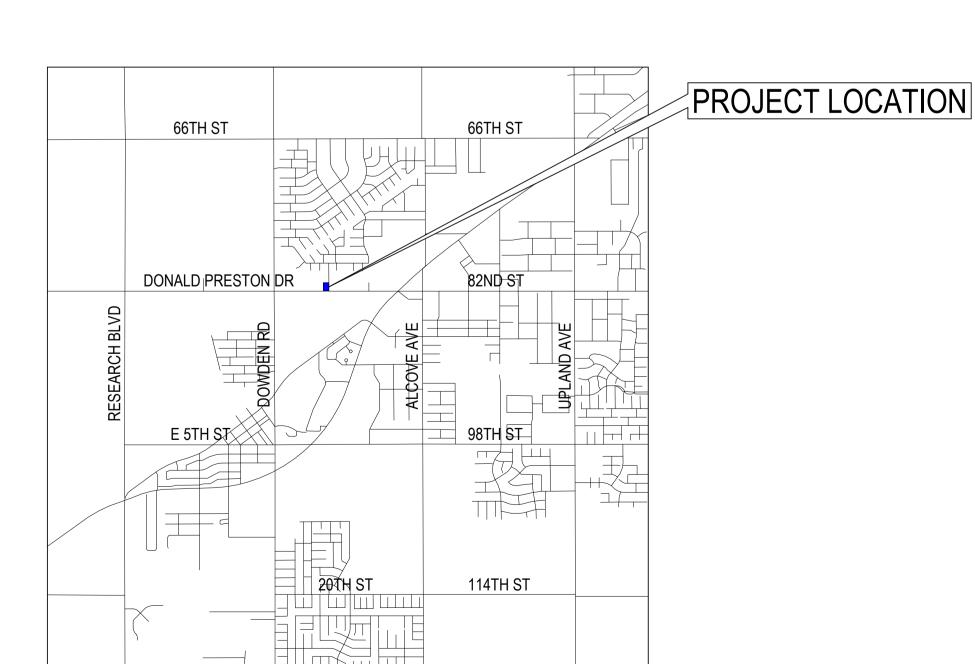
ELECTRICAL SHT.# P-00 PLUMBING NOTES, LEGENDS, & E-00 ELECTRICAL NOTES, LEGENDS, & ABBREVIATIONS P-01 FLOOR PLAN - PLUMBING - SEWER & VENT E-01 SITE PLAN - ELECTRICAL P-02 FLOOR PLAN - PLUMBING - DOMESTIC E-02 FLOOR PLAN - LIGHTING **WATER & GAS** E-03 FLOOR PLAN - POWER & P-03 ROOF PLAN - PLUMBING COMMUNICATIONS PLUMBING DETAILS E-04 ROOF PLAN - POWER PLUMBING DETAILS E-05 ELECTRICAL SCHEDULES E-06 ELECTRICAL SCHEDULES PLUMBING RISER DIAGRAM E-07 ELECTRICAL DETAILS

FIRE PROTECTION

SHEET NAME **FP-01** FLOOR PLAN - FIRE PROTECTION

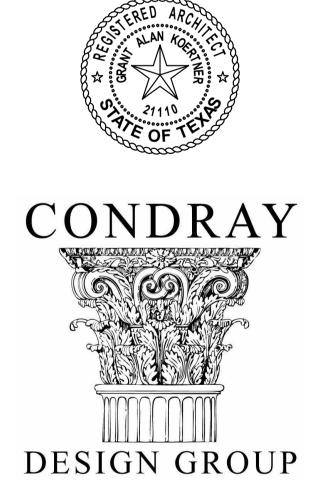
LANDSCAPE

SHEET NAME LANDSCAPE SITE PLAN LANDSCAPE DIMENSIONING PLAN LANDSCAPE DETAILS & NOTES LANDSCAPE SPECIFICATIONS LANDSCAPE IRRIGATION SITE PLAN LANDSCAPE IRRIGATION DETAILS & LANDSCAPE IRRIGATION SPECIFICATIONS



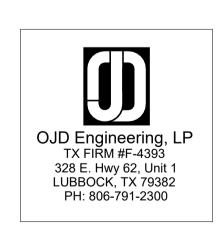






ARCHITECTURE & INTERIOR DESIGN

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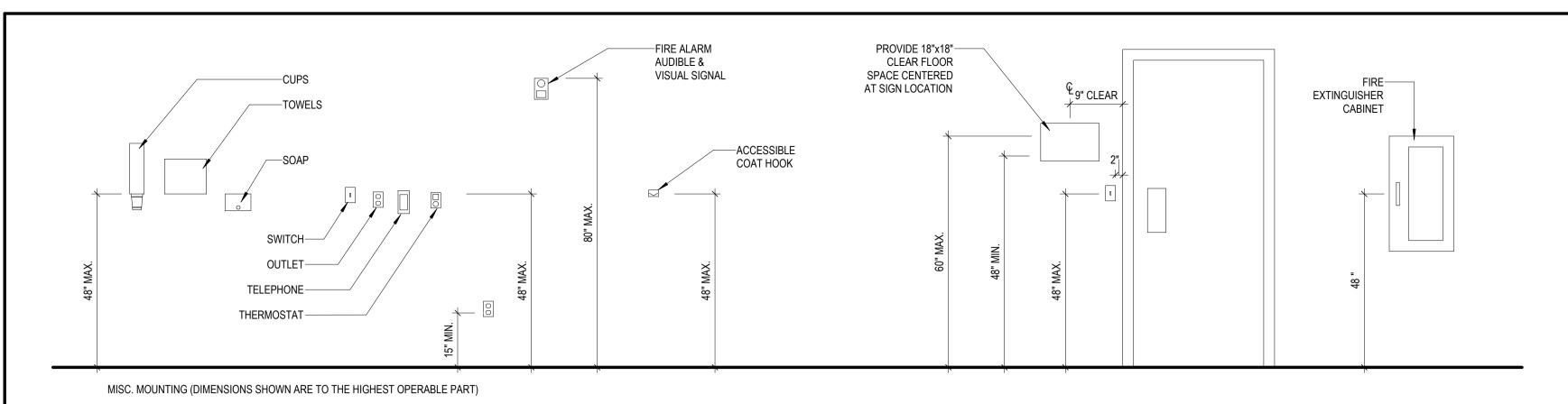




UNIVERSITY MEDICAL CENTER PHYSICIANS NEW WOLFFORTH CLINIC

PROJECT NO. 02/06/2025

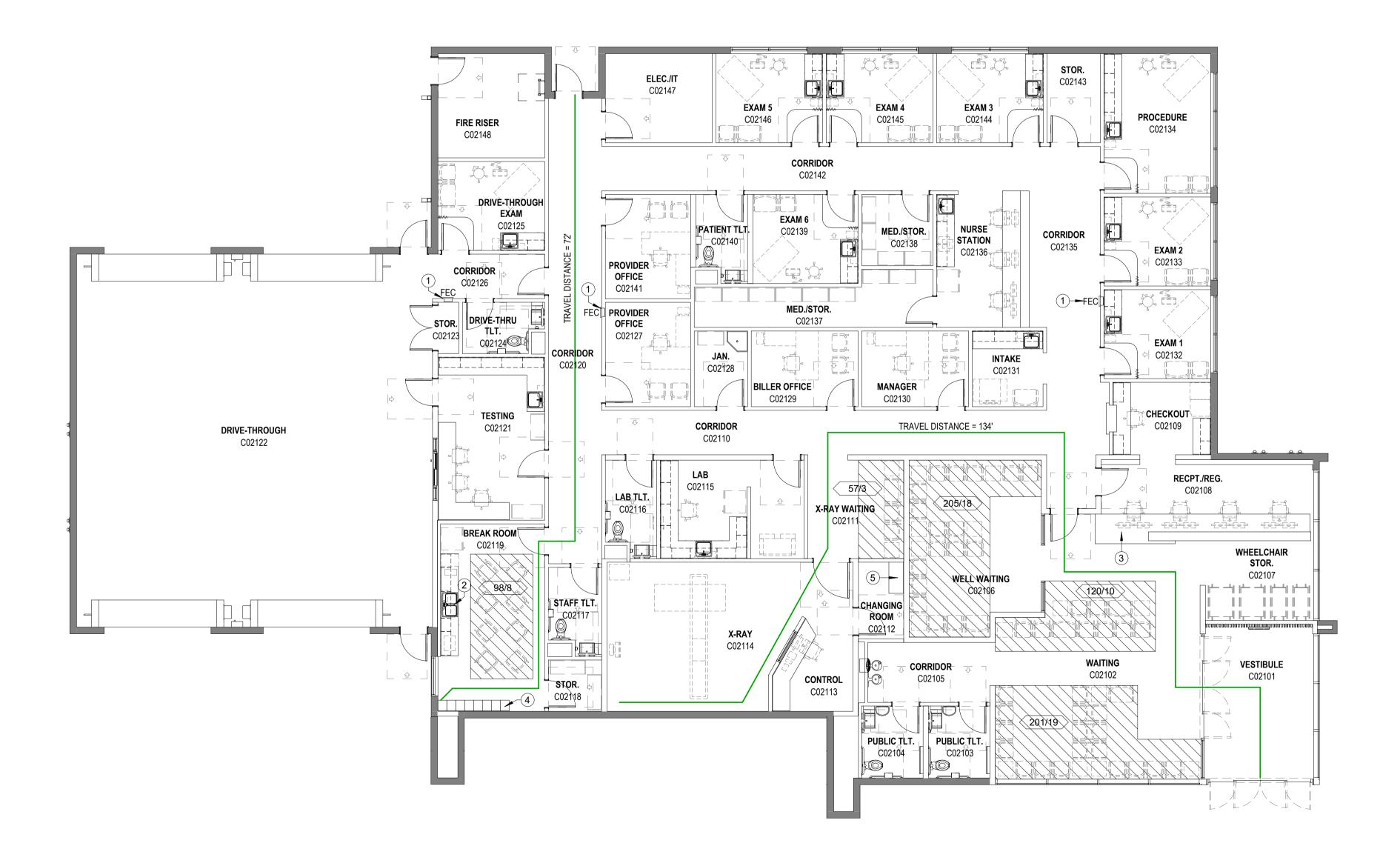
VICINITY MAP



25

MOUNTING HEIGHTS

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



PROJECT INFORMATION

UMC HEALTH SYSTEM

602 INDIANA AVENUE LUBBOCK, TX

> 2021 INTERNATIONAL BUILDING CODE 2020 NATIONAL ELECTRICAL CODE

2021 INTERNATIONAL FIRE CODE 2021 INTERNATIONAL ENERGY CONSERVATION CODE

2021 INTERNATIONAL PLUMBING CODE 2021 INTERNATIONAL MECHANICAL CODE 2012 TEXAS ACCESSIBILITY STANDARDS

ALLOWABLE BUILDING AREA:

OWNER:

BUILDING CODES:

STORIES ALLOWED: STORIES DESIGNED:

36,000 S.F. FULLY SPRINKLED

ALLOWABLE BUILDING AREA PER STORY:

9,214 S.F. **BUSINESS GROUP B**

CONSTRUCTION TYPE:

BUILDING AREA:

OCCUPANT LOAD:

OCCUPANCY:

TYPE V B - FULLY SPRINKLED NO FIRE-RATING REQUIRED

> ASSEMBLY TYPE (47 + 11 WITH SEAT COUNTS OVER = 58) STORAGE TYPE

> > **BUSINESS TYPE**

1,767/300 = 66,817/100 = 68 **TOTAL = 132**

681/15 = 47

NUMBER OF EXITS REQUIRED: NUMBER OF EXITS PROVIDED:

MAXIMUM EGRESS TRAVEL DISTANCE PROVIDED:

MEN'S AND WOMEN'S LAVATORIES PROVIDED:

MAXIMUM EGRESS TRAVEL DISTANCE REQUIRED:

300 FEET <200 FEET

9214/300 = 31 SPACES

LIFE SAFETY PLAN LEGEND

ROOM SQUARE FOOTAGE/NUMBER OF

COLLECTIVE NUMBER OF OCCUPANTS

DOOR APPROACH AND CLEARANCE

48 SPACES

2 SPACES 3 SPACES

TOTAL EXITS WIDTH REQUIRED: 112 x 0.2 = 2.24 INCHES TOTAL EXITS WIDTH PROVIDED: 106 INCHES

MEN'S AND WOMEN'S TOILETS REQUIRED: 3 EA. 3 EA. MEN'S AND WOMEN'S TOILETS PROVIDED: 2 EA. 3 EA. MEN'S AND WOMEN'S LAVATORIES REQUIRED:

ZONING REQUIREMENTS: OFF STREET PARKING: 1 PER 300 G.S.F.

REQUIRED PARKING: PARKING PROVIDED: REQUIRED ACCESSIBLE PARKING: ACCESSIBLE PARKING PROVIDED:

FINCHER FINCHER ENGINEERING, LLC TX FIRM #F-16408 5621 114TH ST., SUITE 100

DESIGN GROU

ARCHITECTURE

& INTERIOR DESIGN

3708 UPLAND AVE.

LUBBOCK, TX 79407

806.748.6190

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WWW.FINCHERENG.COM AM-APARTMENT MEDICAL (CLINIC)



egistration No: F- 14148

LUBBOCK, TX 79424 PH: 806-701-5109



328 E. Hwy 62, Unit 1 LUBBOCK, TX 79382 PH: 806-791-2300



KEYED NOTES

OCCUPANT LOAD FACTORS:

100/??

ASSEMBLY AREA = 1 PERSON PER 15 SQFT

BUSINESS AREA = 1 PERSON PER 100 SQFT

OCCUPANTS

ACCESSING EXITS

1). NEW FIRE EXTINGUISHER IN CABINET.

2). ACCESSIBLE SINK.

4). 1 OF 24 TOTAL LOCKERS TO BE ACCESSIBLE TO MEET CODE

REQUIREMENT. 5). ACCESSIBLE DRESSING BENCH.

DESIGNATED BY: - #

3). 36" WIDE SECTION OF TRANSACTION COUNTER AT 36" A.F.F. (30").

PROJECT NORTH **REVISIONS:**

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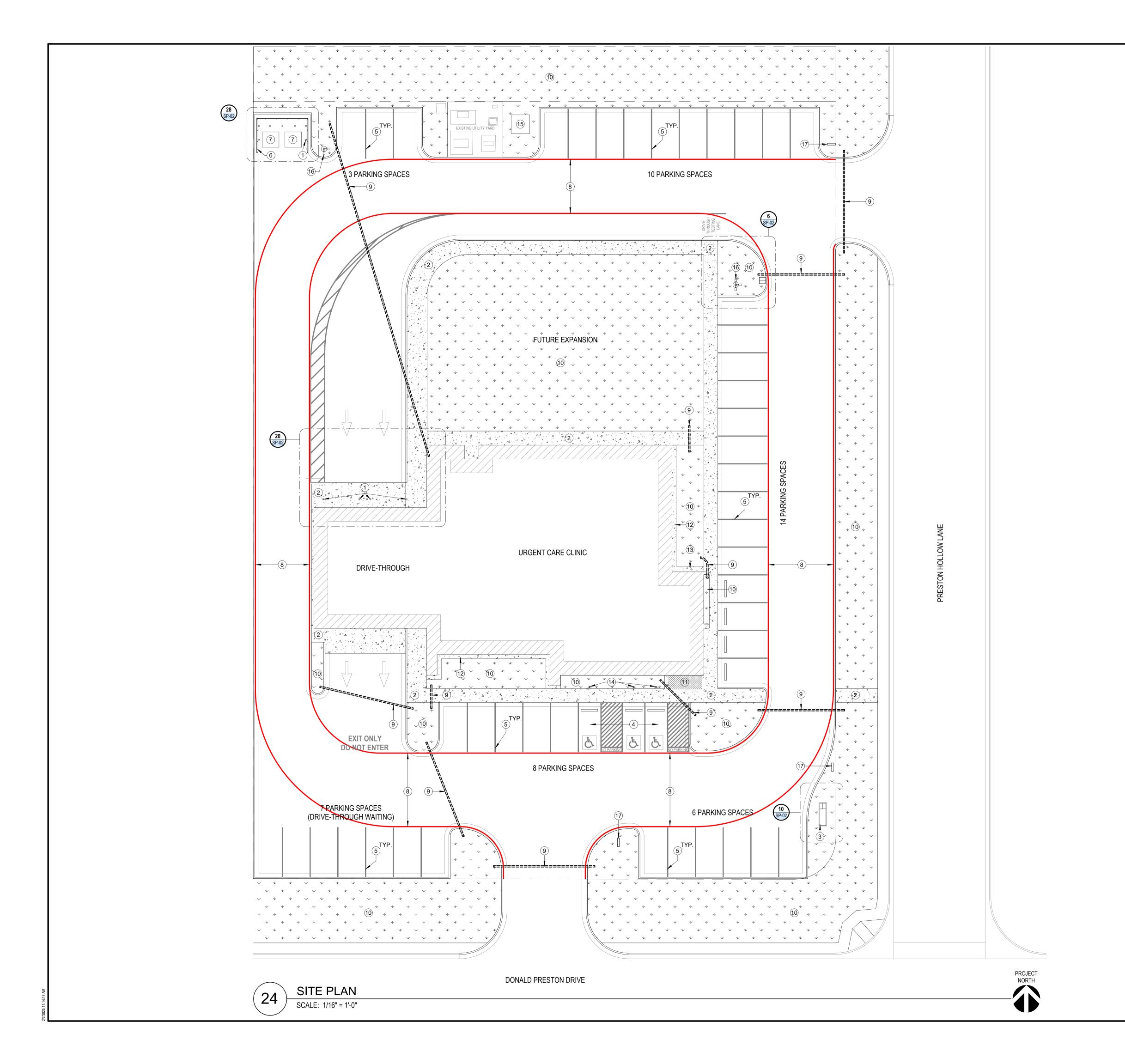
CONDRAY DESIGN GROUP, INC. PROJECT NO.

SHEET NO. **CR-0**1

OF

28

CODE REVIEW PLAN SCALE: 1/8" = 1'-0"



GENERAL NOTES

- 1. FIELD VERIFY EXACT LOCATIONS OF EXISTING UTILITIES BEFORE COMMENCING WORK, EXCAVATION OR TRENCHING.
- FIELD VERIFY ALL DIMENSIONS AND GRADES (EXISTING AND NEW CONSTRUCTION) ADJUST WHERE REQUIRED TO PROVIDE PROPER AND COMPLETE INSTALLATION. NOTIFY ARCHITECT IN CASE OF ANY DISCREPANCIES.
- 3. ALL EXISTING SITE CONDITIONS NOT AFFECTED BY NEW CONSTRUCTION (I.E. CURBING, UTILITIES, LANDSCAPING, ETC.) SHALL BE PROTECTED AND REPLACED IF DAMAGED.
- 4. THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTANT DRAWINGS, EACH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. ANY WORK PERFORMED IN CONFLICT WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 5. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.
- 6. ALL BUILDING DIMENSIONS ARE FROM FINISH FACE OF BUILDING UNLESS NOTED OTHERWISE.
- ALL NEW CURB RAMPS ARE TO COMPLY WITH TEXAS ACCESSIBILITY STANDARDS.
- 8. ALL DIMENSIONS ON THIS SHEET ARE PROVIDED FOR REFERENCE ONLY. REFER TO CIVIL FOR DIMENSION CONTROL PLAN. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- PARKING LOT SHOWN FOR REFERENCE ONLY. REFER TO CIVIL FOR MORE INFORMATION.

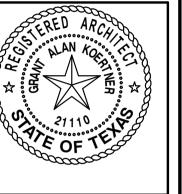
KEYED NOTES

- DESIGNATED BY: #)
- PAINTED STEEL BOLLARD REFER TO DETAIL 12/SP-02.
 NEW CONCRETE SIDEWALK. REFER TO CIVIL FOR MORE INFORMATION.
- 3). MONUMENT SIGN LOCATION. SIGN BY OTHERS. REFER TO ELECTRICAL FOR MORE INFORMATION.
- 4). TAS COMPLIANT PARKING SPACE AND SIGN. REFER TO 8/SP-02 AND 15/SP-02.
- 5). NEW 4" THICK WIDE PARKING STRIPING/LETTERS/SYMBOLS. PAINT AS SPECIFIED.
- 6). 6'-0" TALL FLAT TOP CEDAR PICKET PRIVACY FENCE WITH GALVANIZED STEEL POSTS. REFER TO DETAIL 4/SP-02.
- 7). DUMPSTERS PROVIDED BY OTHERS.
- 8). FIRE LANE STRIPING AS REQUIRED BY FIRE DEPARTMENT.9). 4" PVC SLEEVE FOR IRRIGATION REFER TO CIVIL AND
- LANDSCAPING FOR MORE INFORMATION.
- 10). NEW LANDSCAPING IN SCOPE OF WORK. REFER TO CIVIL AND LANDSCAPE SHEETS FOR MORE INFORMATION ON IRRIGATION SLEEVES, TIE-INS AND VEGETATION.
- 11). LEVEL APPROACH AT EXTERIOR DOOR WITH 2% SLOPE MAXIMUM IN ANY DIRECTION. SIZE MUST MEET ACCESSIBILITY CLEARANCE REQUIREMENTS.
- 12). 18" WIDE MOW STRIP REFER TO CIVIL FOR MORE INFORMATION.
- 13). 24" WIDE MOW STRIP REFER TO CIVIL FOR MORE INFORMATION.14). ACCESSIBLE PARKING SIGNAGE REFER TO DETAIL 8/SP-02.
- 15). NEW TRANSFORMER ON CONCRETE PAD AS REQUIRED BY UTILITY COMPANY REFER TO ELECTRICAL FOR MORE INFORMATION.
- 16). SITE LIGHTING REFER TO ELECTRICAL.
- 17). DIRECTIONAL NON-LIT DRIVE-THROUGH SIGNAGE BY OTHERS.



ARCHITECTURE & INTERIOR DESIGN

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LIVER

COMPANY
LANDSCAPE COMPANY
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720 DONALD PRESTON DRIVE

REVISIONS:

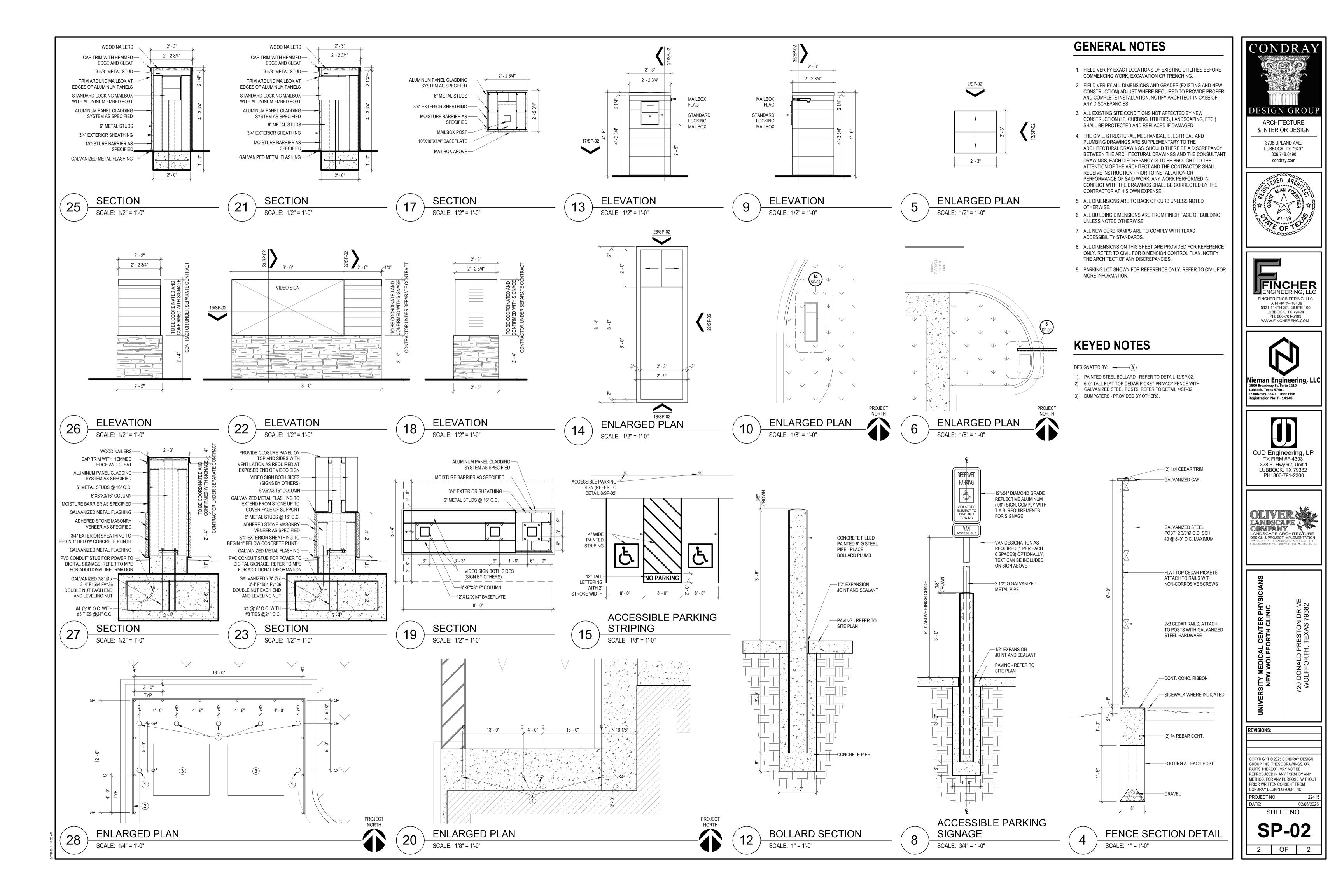
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CONDRAY DESIGN GROUP, INC.

 PROJECT NO.
 22

 DATE:
 02/06/20

 SHEET NO.



GENERAL NOTES:

- 1. CONTRACTOR IS HEREBY NOTIFIED THAT SUBSURFACE UTILITIES EXISTS WITHIN THE CONSTRUCTION SITE. CONTRACTOR SHALL EXERCISE CARE WHEN DISTURBING ANY AREAS, AND SHALL BE RESPONSIBLE FOR REPAIR OF DAMAGE TO UTILITIES CAUSED BY CONTRACTOR'S ACTIVITIES.
- 2. THE GENERAL CONTRACTOR SHALL COORDINATE & SCHEDULE ALL WORK WITH OWNER.
- 3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL LOCAL & STATE BUILDING CODES AND REGULATIONS.
- 4. DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 5. CONTRACTOR SHALL PROVIDE CONSTRUCTION FENCE AS REQUIRED TO ENCLOSE CONSTRUCTION AREA AND STACK LOT; COORDINATE LOCATION WITH
- 6. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF EXISTING UTILITIES. UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE
- 7. REFER THE ARCHITECTURAL DRAWINGS FOR EXACT SITE DEMOLITION LIMITS.
- 8. ANY RELOCATION OF EXISTING UTILITIES REQUIRED AS A RESULT OF THE WORK INVOLVED SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS OF 6. UNDER NO CIRCUMSTANCES, UNLESS APPROVED BY THE ENGINEER AND ARCHITECT IN WRITING, SHALL THE INDEPENDENT TESTING LABORATORY BE
- 9. PATCH AND REPAIR TO MATCH EXISTING AT ALL AREAS DISTURBED BY CONTRACTOR'S ACTIVITIES.
- 10. ALL WATER UTILITIES SHALL CONFORM TO THE LATEST TCEQ 30 TAC CHAPTER 290 RULES AND REGULATIONS.
- 11. ALL WASTEWATER FACILITIES SHALL CONFORM TO THE LATEST TCEQ 30 TAC CHAPTER 217 RULES AND REGULATIONS.
- 12. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, DETAILS AND SPECIFICATIONS, THE GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS, THE MORE RESTRICTIVE SPECIFICATION AND DETAIL SHALL BE FOLLOWED.
- 13. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS.
- 14. EXISTING CONDITIONS SHOWN ON THESE PLANS WERE PROVIDED BY THE TOPOGRAPHIC SURVEY PREPARED BY OJD ENGINEERING, LLC AND ARE BASED ON THE BENCHMARKS SHOWN. THE CONTRACTOR SHALL REFERENCE THE SAME BENCHMARKS.
- 15. THE CONTRACTOR SHALL REVIEW AND VERIFY THE EXISTING TOPOGRAPHIC SURVEY SHOWN ON THE PLANS REPRESENTS EXISTING FIELD CONDITIONS PRIOR TO THE CONSTRUCTION, AND SHALL REPORT ANY DISCREPANCIES TO THE OWNER AND ENGINEER IMMEDIATELY.
- 16. CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING AND STAKING.

CONSTRUCTION, AND SERVICE TO THE PROPOSED DEVELOPMENT.

EXISTING UTILITIES OR STRUCTURES.

- 17. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL, INCLUDING BENCHMARKS PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS. PROPERTY LINES AND CORNERS SHALL BE HELD AS THE HORIZONTAL CONTROL.
- 18. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS, ELEVATIONS, AND FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ARCHITECT, ENGINEER, AND IF APPLICABLE THE CITY AND OWNER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE CITY, ENGINEER, AND OWNER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
- 19. CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
- 20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL TEXAS 811 AND CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK TO HAVE THEM LOCATE THEIR EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
- 21. THE LOCATION, ELEVATIONS, DEPTH, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ARE CONSIDERED APPROXIMATE AND INCOMPLETE. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE PRESENCE, LOCATION, ELEVATION, DEPTH, AND DIMENSION OF EXISTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION SO THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES.
- 22. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATION OF EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS. THIS INCLUDES ADJUSTING EXISTING MANHOLES TO PROPOSED GRADE, RELOCATING EXISTING POLES AND GUY WIRES THAT ARE LOCATED IN PROPOSED DRIVEWAYS, ADJUSTING THE HORIZONTAL OR VERTICAL ALIGNMENT OF EXISTING UNDERGROUND UTILITIES TO ACCOMMODATE PROPOSED GRADE OR CROSSING WITH A PROPOSED UTILITY, AND ANY OTHERS THAT MAY BE ENCOUNTERED THAT ARE UNKNOWN AND NOT SHOWN ON THESE PLANS.
- 23. CONTRACTOR SHALL ARRANGE FOR OR PROVIDE, AT ITS EXPENSE, ALL GAS, TELECOMMUNICATIONS, CABLE, OVERHEAD AND UNDERGROUND POWER LINE, AND UTILITY POLE ADJUSTMENTS NEEDED.
- 24. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF FRANCHISE UTILITIES THAT ARE NECESSARY FOR ON—SITE AND OFF—SITE
- 25. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DRY UTILITIES TO THE DEVELOPMENT/SITE. CONTRACTOR SHALL VERIFY AVAILABILITY, ROUTING. CONDITION, SIZE, LOCATION, DEPTH, MATERIAL, PRESSURE, ETC. OF EXISTING DRY UTILITIES AND CONFIRM COMPLIANCE WITH PLANS WITH THE ARCHITECT
- 26. DRY UTILITIES SHOWN ON THIS PLAN ARE SCHEMATIC ONLY AND DO NOT REPRESENT ACTUAL ROUTING, CONDITION, SIZE, LOCATION, DEPTH, MATERIAL, PRESSURE, ETC. AND SHALL FIELD VERIFIED AND COORDINATED WITH THE APPROPRIATE UTILITY PROVIDER.
- 27. CONTRACTOR SHALL COORDINATE DIRECTLY WITH LOCAL ELECTRIC PROVIDER FOR ELECTRIC DISTRIBUTION SYSTEM AND SERVICES. REFER TO THE PLAN PROVIDED BY THE ARCHITECT, MEP ENGINEER OR THE ELECTRIC PROVIDER FOR ELECTRIC DISTRIBUTION PLAN.
- 28. CONTRACTOR SHALL COORDINATE DIRECTLY WITH LOCAL TELECOMMUNICATION PROVIDER FOR TELECOMMUNICATION SYSTEM AND SERVICES. REFER TO THE PLAN PROVIDED BY THE ARCHITECT. MEP ENGINEER OR THE TELECOMMUNICATION PROVIDER FOR TELECOMMUNICATION PLAN
- 29. CONTRACTOR SHALL COORDINATE WITH THE LOCAL GAS COMPANY FOR THE GAS COMPANY TO EXTEND LINES AND SET METERS AS REQUIRED FOR SERVICE. THE CONTRACTOR IS RESPONSIBLE FOR SERVICE FROM THE METER TO THE BUILDING.
- 30. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTORS' FAILURE TO LOCATE AND PRESERVE ALL UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF
- 31. CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, FEDERAL AND UTILITY OWNER REGULATIONS PERTAINING TO WORK SETBACKS FROM POWER LINES.
- 32. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, APPROVALS, AND BONDS PRIOR TO CONSTRUCTION.
- 33. ALL SHOP DRAWINGS, SUBMITTALS OR OTHER DOCUMENTS THAT REQUIRE ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR NO LESS THAN 10
- BUSINESS DAYS FOR REVIEW AND RESPONSE IS AVAILABLE. 34. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS, JURISDICTIONAL AGENCIES, AND UTILITY SERVICE COMPANIES.
- 35. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL FINAL BUILDING DIMENSIONS. THE ACTUAL BUILDING FOOTPRINT MAY VARY, COORDINATE FINAL BUILDING FOOTPRINT WITH ARCHITECTURAL AND STRUCTURAL PLANS.
- 36. ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT, INCLUDING ADDENDA.
- 37. ALL COPIES OF MATERIALS TEST RESULTS SHALL BE SENT TO THE OWNER, ENGINEER AND ARCHITECT DIRECTLY FROM THE TESTING AGENCY.
- 38. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. ANY DAMAGE RESULTING THERE FROM SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR.
- 39. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, MANHOLES, POLES, GUY WIRES, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, COMMUNICATION BOXES/PEDESTALS, AND OTHER FACILITIES AND SHALL REPAIR ANY DAMAGES AT NO COST TO THE OWNER.
- 40. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCES, WALLS, SIGNS, PAVEMENT, CURBS, UTILITIES, SIDEWALKS, GRASS, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS, ETC. TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER.
- 41. ALL AREAS DISTURBED BY SITE CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION OR BETTER, INCLUDING AS NECESSARY GRADING, LANDSCAPING, CULVERTS, AND PAVEMENT.
- 42. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION, INCLUDING MAINTAINING EXISTING DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES.
- 43. LIGHT POLES, SIGNS AND OTHER OBSTRUCTIONS SHALL NOT BE PLACED IN ACCESSIBLE ROUTES.
- 44. THE CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED VALVES, FIRE HYDRANTS, AND OTHER UTILITY APPURTENANCES TO MATCH ACTUAL FINISHED GRADES AT THE TIME OF PAVING.
- 45. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND ARCHITECT IDENTIFYING ALL DEVIATIONS AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION.
- 46. CONTRACTOR SHALL COORDINATE SCHEDULING WITH THE APPROPRIATE GOVERNMENTAL AGENCY FOR TRAFFIC CONTROL.

DEMOLITION NOTES:

- 1. ALL DEMO TO BE DONE BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- 2. THE CONTRACTOR TO REPAIR OR REPLACE IN KIND, AT THE CONTRACTOR'S EXPENSE, ANY MATERIALS DAMAGED IN THE COURSE OF THE REMOVAL
- 3. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING REPLACEMENT SOURCE FOR HISTORIC MATERIALS DAMAGED IN THE COURSE OF THE REMOVAL PROCESS.
- 4. ANY LANDSCAPING DISTURBED DURING CONSTRUCTION SHALL BE REPLACE TO ITS ORIGINAL PRE CONSTRUCTION CONDITION BY THE CONTRACTOR.

EARTHWORK NOTES

CHANGED DURING THE PROJECT.

- 1. REFER TO SOIL INVESTIGATION PROJECT B2500461 PREPARED BY BRAUN INTERTEC CORPORATION DATED FEBRUARY 5, 2025 FOR FURTHER SUBSURFACE AND SITE PREPARATION INFORMATION.
- 2. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.

4. MATERIALS TESTING SHALL BE PREFORMED BY AN INDEPENDENT TESTING LABORATORY CONTRACTED BY THE OWNER; TESTING SHALL BE PREFORMED AS

- 3. NO REPRESENTATION OF EARTHWORK QUANTITIES OR SITE BALANCE ARE MADE BY THESE PLANS. THE CONTRACTOR SHALL PROVIDE THEIR OWN EARTHWORK CALCULATIONS TO DETERMINE THEIR CONTRACT QUANTITIES AND COST.
- SET FORTH IN THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL SCHEDULING OF MATERIALS TESTING. THE OWNER SHALL BE RESPONSIBLE FOR PAYMENT EXCEPT IN CASES OF FAILURE OF MATERIAL OR WORKMANSHIP. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ALL SUBSEQUENT TESTING OF THE FAILED ELEMENT.
- 5. ALL SAMPLING AND TRANSPORTATION FOR MATERIAL TESTING SHALL BE PERFORMED BY THE TESTING LABORATORY ONLY. THE GENERAL CONTRACTOR OR SUBCONTRACTORS SHALL NOT SAMPLE, PROVIDE OR TRANSPORT ANY MATERIAL TO BE TESTED BY THE TESTING LABORATORY.
- 7. SITE SHOULD BE PREPARED BY REMOVING AND CLEARING ANY GRASSES, WEEDS, LOOSE SOILS AND ORGANIC TOPSOILS.
- 8. ANY SOFT OR SPONGY AREAS OR ANY AREAS OF SUSPECTED EXISTING FILL WHICH WILL SUPPORT PROPOSED FILL MATERIAL, FUTURE STRUCTURES, OR PAVEMENT SHALL BE COMPACTED. UNSTABLE AREAS IDENTIFIED BY COMPACTION SHALL BE UNDERCUT TO A FIRM SUBGRADE. THE RESULTING VOID SHALL BE BACKFILLED WITH PROPERLY COMPACTED NATIVE OR SELECT FILL MATERIAL.
- BOTH THE AREAS TO RECEIVE FILL AND FILL MATERIALS SHALL BE FREE OF ANY VEGETATION OR DEBRIS. PRIOR TO PLACING THE FILL, THE EXPOSED SUBGRADE IN AREAS TO RECEIVE FILL SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES AND RECOMPACTED TO A MINIMUM OF 95 PERCENT STD PROCTOR DENSITY AT (-2 TO +2 PERCENT) OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698. SUBGRADE IN-PLACE DENSITY FREQUENCY SHALL BE
- 10. IT IS RECOMMENDED THE STABILIZATION PROCEDURES EXTEND AT LEAST 1 FOOT BEYOND THE EDGE OF THE PAVEMENT TO REDUCE THE EFFECTS OF SEASONAL SHRINKAGE AND SWELLING UPON THE EXTREME EDGES OF THE PAVEMENT.
- 11. LOCATE ALL UTILITIES AND UNDERGROUND SERVICES PRIOR TO PERFORMING EXCAVATION OF ANY KIND.
- 12. ANY AREA DISTURBED BY CONSTRUCTION SHALL BE RETURNED TO ORIGINAL OR BETTER BY THE
- 13. 6" TOPSOIL TO BE PLACED ON AREAS DISTURBED BY CONSTRUCTION, HYDROMULCH AS DIRECTED BY THE OWNER.
- 14. UNLESS OTHERWISE NOTED. PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN PAVED AREA REFLECT TOP OF PAVEMENT SURFACE. IN LOCATIONS ALONG A CURB LINE, ADD 6 INCHES (OR THE HEIGHT OF THE CURB) TO THE PAVING GRADE FOR TOP OF CURB ELEVATION.
- 15. PROPOSED SPOT ELEVATIONS AND CONTOURS OUTSIDE THE PAVEMENT ARE TO TOP OF FINISHED GRADE.
- 16. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED BY THE CONTRACTOR AT THE OWNER'S DIRECTION AT NO ADDITIONAL EXPENSE.
- 17. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST, CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER AT NO ADDITIONAL COST TO THE OWNER.
- 18. AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING AND INADEQUATE SLOPE FOR DRAINAGE. ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORMWATER RUNOFF. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY AREAS OF POOR DRAINAGE ARE DISCOVERED.
- 19. CONTRACTOR FIELD ADJUSTMENT OF PROPOSED SPOT GRADES IS ALLOWED, IF THE APPROVAL OF THE CIVIL ENGINEER IS OBTAINED.

- 1. EARTHWORK, PAVEMENT & CONCRETE MATERIAL AND WORKMANSHIP SHALL COMPLY WITH THE SPECIFICATIONS PROVIDED.
- 2. WATER FOR CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER AS REQUIRED
- 3. CALICHE BASE COURSE MATERIAL SHALL BE TYPE A,B OR D, GRADE 1 2. CALICHE BASE COURSE IN—PLACE DENSITY FREQUENCY SHALL BE EVERY
- 4. HOT MIX ASPHALT CONCRETE SHALL BE TYPE D PG 64 28 UNLESS OTHERWISE NOTED. HOT MIX ASPHALT CONCRETE IN-PLACE DENSITY FREQUENCY SHALL BE EVERY 700SY. ASPHALT CORES SHALL BE PERFORMED TO DETERMINE IN-PLACE THICKNESS EVERY 1400SY.
- CONCRETE PAVEMENT SHALL HAVE A f'C = 4000 P.S.I. AT 28 DAYS. CONCRETE SHALL HAVE TOTAL AIR CONTENT OF 5 ± 1%. CONCRETE FOR SIDEWALKS, CURB & GUTTER AND DRAINAGE FACILITIES SHALL HAVE 1°C = 3000 P.S.I. AT 28 DAYS AND SHALL HAVE A TOTAL AIR CONTENT OF 5 \pm 1%.

| Min. Sacks Water/ Class Cement per Cement | | Max. Slump Cla | Class | Class Min. Compressive Stren | | Strength | ngth Min. Hexural Strength | | |
|--|---------------------------------|-------------------|-----------|------------------------------|---|------------|----------------------------|--------|--------|
| | cubic yard | Ratio | (inches) | | | 3 Day | 7 Day | 28 Day | 28 Day |
| Α | 5.0 | 0.40 - 0.60 | 5 | | Α | - | 2100 | 3000 | 1 |
| В | 5.5 | 0.40 - 0.60 | 5 | | В | 2500 | 3000 | - | - |
| С | 6.0 | 0.35 – 0.45 | 3 | | С | - | 2500 | 4000 | 600 |
| D | 4.5 | 0.40 - 0.60 | 5 | | D | - | - | 2500 | - |
| Е | As Required fo and strength. | r specific o | cure time | | Е | 3000 psi a | t 24 hours | | |

| and strength. | | E Soud psi at 24 flours | | | |
|---------------------------|--|-------------------------|--------------------------|---|--|
| Fine Aggregate | Cumulative Percent Retained (by weight) | | Coarse Aggregate | Cumulative Percent Retained (by weight | |
| Retained on 3/8" Sieve | 0 | | Retained on 1-3/4" Sieve | 0 | |
| Retained on No. 4 Sieve | 0-5 | | Retained on 1-1/2" Sieve | 0-5 | |
| Retained on No. 8 Sieve | 0-20 | | Retained on 3/4" Sieve | 10-40 | |
| Retained on No. 16 Sieve | 15-50 | | Retained on 1/2" Sieve | 40-75 | |
| Retained on No. 30 Sieve | 35-75 | | Retained on No. 4 Sieve | 95-100 | |
| Retained on No. 50 Sieve | 65-90 | | | | |
| Retained on No. 100 Sieve | 90-100 | | | | |
| Petained on No. 200 Sieve | 97-100 | | | | |

- 7. ALL REINFORCING STEEL SHALL CONFORM TO THE GEOTECHNICAL REPORT AND ASTM A-615 GRADE 60, AND SHALL BE SUPPORTED BY BAR CHAIRS.
- 8. FULL DEPTH SAWCUT ALL EXISTING PAVEMENT WHERE PROPOSED PAVEMENT IS TO TIE INTO EXISTING PAVEMENT. SIDEWALKS AND CONCRETE SLABS SHALL BE 4" THICK CONCRETE, UNLESS NOTED OTHERWISE. FIBROUS REINFORCING WILL NOT BE ALLOWED. PROVIDE 3/4" EXPANSION JOINTS WITH ASPHALT IMPREGNATED FIBROUS FILLER AT 45'-0" O.C. MAXIMUM, AT CHANGES IN DIRECTION AND AT INTERSECTIONS WITH WALKS/SLABS, BUILDINGS, AND CURBS, UNLESS NOTED OTHERWISE.
- 9. CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT WITH A SMOOTH, FLUSH, CONNECTION.
- 10. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS.
- 11. PROVIDE 1/2" DEEP TOOLED CONTROL JOINTS IN CONCRETE WALKS AND SLABS AT MAXIMUM 5'-0" O.C., UNLESS NOTED OTHERWISE.
- 12. JOINTS IN CONCRETE PAVEMENT SHOULD NOT EXCEED 12.5'.
- 13. ALL JOINTS SHALL EXTEND THROUGH THE CURB.
- 14. THE MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS SHALL BE 2 FEET.
- 15. PARKING LOT STRIPING SHALL BE 4" WIDE WITH SPACING SHOWN ON PLAN. DIAGONAL STRIPES SHALL BE 4" WIDE AT 24" O.C.
- 16. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PAINTED LINES, DIRECTIONAL ARROWS, HANDICAPPED SYMBOLS, OR SIMILAR MARKINGS ON PAVED SURFACES, AS SHOWN ON THE DRAWINGS WITH ACRYLIC WATERBORNE PAINT OR LOW VOLATILE ORGANIC COMPOUND (VOC) SOLVENT BASE PAINT, LEAD AND CHROMATE FREE, READY-MIXED, COLD APPLIED TRAFFIC MARKING PAINT, WHITE OR YELLOW COLOR AS DESIGNATED ON THE PLANS FOR STRIPING AND LANE MARKINGS, WHITE AND BLUE AS INTERNATIONAL HANDICAPPED PARKING SYMBOLS. ACCEPTABLE PRODUCTS INCLUDE DEVOE EXTERIOR "SAFETY LINE" OR APPROVED EQUAL.
- 17. TRAFFIC MARKING PAINT SHALL BE UNLESS OTHERWISE INDICATED, APPLY TRAFFIC MARKING PAINT IN NOMINAL 4" WIDE STRIPES AT THE RATE OF 100 TO 110 SF/GAL AND COMPLY WITH ANSI 117.1 AND ADA REQUIREMENTS FOR GRAPHIC SYMBOLS, STALL WIDTHS, AND ACCESS AISLES AT HANDICAPPED PARKING SPACES.
- 18. CONTRACTOR IS RESPONSIBLE FOR INSTALLING NECESSARY CONDUIT FOR LIGHTING, IRRIGATION, ETC. PRIOR TO PLACEMENT OF PAVEMENT. ALL CONSTRUCTION DOCUMENTS (CIVIL, MEP, LANDSCAPE, IRRIGATION, AND ARCHITECT) SHALL BE CONSULTED.
- 19. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA & TAS) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS, ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP SLOPE EXCEED 1 VERTICAL TO 12 HORIZONTAL. TRANSVERSE SLOPE ON ACCESSIBLE ROUTES SHALL NOT EXCEED 2% AND LONGITUDINAL SLOPE ON ACCESSIBLE ROUTES SHALL NOT EXCEED 5%.
- 20. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA/TAS SLOPE REQUIREMENTS ARE PROVIDED.
- 21. ALL ACCESSIBLE RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA AND TAS STANDARDS, LATEST EDITION.
- 22. CONSTRUCTION OF THE PROJECT SHALL NOT BE STARTED UNTIL ALL SUBMITTALS ARE APPROVED BY THE ENGINEER.

UTILITY GENERAL NOTES:

COMPENSATION SHALL BE ALLOWED.

- 1. PRIOR TO ANY CONSTRUCTION DIFFERENT FROM THE UTILITY PLAN, CALL THE CITY OF WOLFFORTH, CALL 806-855-4120.
- 2. CONSTRUCTION TAPE SHALL BE INSTALLED 2' ABOVE WATER/SEWER PIPES.
- 3. MANDATORY: CONTRACTOR SHALL CONTACT DIG-TESS (1-800-DIG-TESS) FOR UTILITY LOCATES NO LATER THE TWO FULL WORKING DAYS PRIOR TO COMMENCING GRADING/PAVING/CONSTRUCTION.
- 4. FOLLOW BEST MANAGEMENT PRACTICES TO COMPLY WITH EPA'S STORM WATER POLLUTION PREVENTION PLAN REQUIREMENTS
- CONTRACTOR IS THE RESPONSIBLE FOR FIELD VERIFYING ALL LOCATIONS AND DEPTHS OF TIE-INS AND LINE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION. THE CITY, THE OWNER, ENGINEER OR ARCHITECT WILL NOT BE HELD RESPONSIBLE FOR ANY MINOR CHANGES NEEDED TO ADJUST THE
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL STORM SEWER INLETS, MANHOLES, CLEANOUTS, VALVE BOXES, METER BOXES, FIRE HYDRANTS, GAS MAINS, ELECTRIC AND TELEPHONE CONDUIT BANKS, ETC. MUST BE ADJUSTED TO THE PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE REPLACING OF PERMANENT PAVING WHERE
- 7. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF ALL UTILITY CROSSINGS PRIOR TO THE INSTALLATION OF ANY PIPE.
- 8. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCE NECESSARY FOR COMPLETE INSTALLATION OF THE WATER AND WASTEWATER IMPROVEMENTS.
- 9. CONTRACTOR SHALL TAKE REQUIRED SANITARY PRECAUTIONS, FOLLOWING ANY CITY, TCEQ, AND AWWA STANDARDS, TO KEEP WATER PIPE AND FITTINGS CLEAN AND CAPPED AT TIMES WHEN INSTALLATION IS NOT IN PROGRESS. 10. CONTRACTOR SHALL SEQUENCE WATER AND WASTEWATER CONSTRUCTION TO AVOID INTERRUPTION OF SERVICE TO SURROUNDING PROPERTIES.
- 11. CONTRACTOR SHALL MAINTAIN WATER SERVICE AND WASTEWATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION (IF NECESSARY, BY USE OF TEMPORARY METHODS APPROVED BY THE CITY AND OWNER). THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT AND NO ADDITIONAL
- 12. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL WATER AND WASTEWATER LINES CROSSING THE PROJECT. THE CONTRACTOR SHALL REPAIR ALL DAMAGED LINES IMMEDIATELY. ALL REPAIRS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS, AND SANITARY SEWER SERVICES ARE
- 13. VALVE ADJUSTMENTS SHALL BE CONSTRUCTED SUCH THAT THE COVERS ARE AT FINISHED SURFACE GRADE OF THE PROPOSED PAVEMENT.
- 14. ALL FIRE HYDRANTS, VALVES, TEES, BENDS, WYES, REDUCERS, FITTINGS, AND ENDS SHALL BE MECHANICALLY RESTRAINED AND OR THRUST BLOCKED.
- 15. CONTRACTOR SHALL INSTALL A FULL SEGMENT OF WATER OR WASTEWATER PIPE CENTERED AT ALL UTILITY CROSSINGS SO THAT THE JOINTS ARE
- 16. ALL CROSSINGS AND LOCATIONS WERE WASTEWATER IS LESS THAN 9-FEET FROM WATER, WASTEWATER CONSTRUCTION AND MATERIALS SHALL COMPLY WITH TCEQ CHAPTER 217.53.
- 17. ALL CROSSING AND LOCATIONS WHERE WATER IS LESS THAN 9-FEET FROM WASTEWATER, WATER CONSTRUCTION AND MATERIALS SHALL COMPLY WITH
- 18. ALL WATER AND WASTEWATER SHALL BE TESTED IN ACCORDANCE WITH AWWA, AND TCEQ STANDARDS AND SPECIFICATIONS. AT A MINIMUM, THIS SHALL CONSIST OF THE FOLLOWING: ALL WATERLINES SHALL BE HYDROSTATICALLY TESTED AND CHLORINATED BEFORE BEING PLACED INTO SERVICE. CONTRACTOR SHALL COORDINATE WITH THE CITY FOR THEIR REQUIRED PROCEDURES AND SHALL ALSO COMPLY WITH TCEQ REGULATIONS. WASTEWATER LINES SHALL BE PRESSURE TESTED AND A MANDREL PULLED, MANHOLES SHALL BE VACUUM TESTED. CONTRACTOR SHALL COORDINATE WITH THE CITY FOR THEIR REQUIRED PROCEDURES AND SHALL ALSO COMPLY WITH TCEQ REGULATIONS. AFTER COMPLETION OF THESE TESTS, A TELEVISION INSPECTION SHALL BE PERFORMED AND PROVIDED TO THE CITY AND OWNER ON A DVD.
- 19. WATERLINES SHALL BE INSTALLED AT NO LESS THAN THE MINIMUM COVER OF 48".

SUBSIDIARY TO THE WORK, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

- 20. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.
- 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY STANDARDS, TEXAS STATE LAW, AND O.S.H.A. STANDARDS FOR ALL EXCAVATIONS.
- 22. AT ALL TIMES THAT WORK IS PROGRESSING, THE CONTRACTOR SHALL HAVE A DESIGNATED COMPETENT PERSON ON—SITE WHO SHALL BE RESPONSIBLE FOR SUPERVISING THE WORK AND WHOSE DUTY IT WILL BE TO PERFORM REQUIRED SAFETY INSPECTIONS AND TO DIRECT ALL REQUIRED CONSTRUCTION SAFETY ACTIVITIES.
- 23. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT VERSION OF THE CITY'S MINIMUM DESIGN STANDARDS AND SPECIFICATIONS. IN THE CASE OF CONFLICT BETWEEN DRAWINGS, SPECIFICATIONS OR THE CITY'S STANDARD REQUIREMENTS AND SPECIFICATIONS, THE MOST STRINGENT SHALL BE FOLLOWED UNLESS REQUESTED BY THE CONTRACTOR AND APPROVED IN WRITING BY THE CITY.
- 24. THE CONTRACTOR IS TO FOLLOW THE BEST MANAGEMENT PRACTICES (BMPS) TO COMPLY WITH EPA'S STORM WATER POLLUTION PREVENTION PLAN REQUIREMENTS. 25. THE CONTRACTOR SHALL COORDINATE THE THE CITY FOR TAPS TO EXISTING WATER MAINS FOR DOMESTIC SERVICE, PRIVATE FIRE LINES, AND HYDRANTS.
- CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS FOR PAYMENT OF CITY FEES FOR TAPS. 26. CONTRACTOR SHALL VERIFY TYPE AND LOCATION OF FIRE DEPARTMENT CONNECTION ACCORDING TO MEP PLANS AND SPECIFICATIONS. CONTACT THE
- CITY FIRE MARSHAL FOR VERIFICATIONS AND INSPECTIONS. 27. THE CITY SHALL INSTALL DOMESTIC WATER METERS UNLESS OTHERWISE NOTED. CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS FOR PAYMENT
- 28. CONTRACTOR SHALL PROVIDE CONDUIT OF APPROPRIATE SIZE BETWEEN LANDSCAPE AREAS FOR IRRIGATION PIPES AND WIRING. COORDINATE WITH ARCHITECT AND LANDSCAPE PLAN.

OF CITY FEES FOR METERS. CONTRACTOR SHALL INSTALL APPROPRIATE BACKFLOW DEVICE AS REQUIRED BY THE CITY FOR IRRIGATION METERS.

EROSION CONTROL NOTES:

ELIMINATION SYSTEM TXR 150000".

- 1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS, LAWS, AND ORDINANCES
- THAT APPLY TO THE CONSTRUCTION SITE LAND DISTURBANCE. 2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE "TCEQ GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE
- 3. EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE.
- 4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INSTALLATION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL EROSION CONTROL DEVICES, BEST MANAGEMENT PRACTICES (BMPS), AND FOR UPDATING THE EROSION CONTROL PLAN DURING CONSTRUCTION AS FIELD CONDITIONS CHANGE.

CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION TRAFFIC USES THE STABILIZED ENTRANCE AT ALL TIMES FOR ALL INGRESS/EGRESS.

10. THE CONTRACTOR SHALL SUBMIT A NOI TO TCEQ AT LEAST SEVEN DAYS PRIOR TO COMMENCING CONSTRUCTION (IF APPLICABLE).

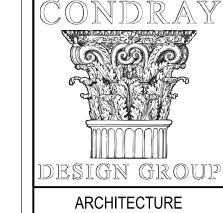
- 5. THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE AREA IT PROTECTS HAS BEEN PERMANENTLY STABILIZED. 6. THE CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS IN ACCORDANCE WITH THE SWPPP.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS FROM THE AFFECTED OFF—SITE ROADWAYS THAT ARE A RESULT OF THE CONSTRUCTION, AS REQUESTED BY OWNER AND CITY.
- AREA IS EITHER COVERED BY PERMANENT IMPERVIOUS STRUCTURES, SUCH AS BUILDINGS, SIDEWALK, PAVEMENT, OR UNIFORM PERENNIAL VEGETATIVE

8. UPON COMPLETION OF FINE GRADING, ALL SURFACES OF DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED. STABILIZATION IS ACHIEVED WHEN THE

9. AT THE CONCLUSION OF THE PROJECT, ALL INLETS, DRAIN PIPE, CHANNELS, DRAINAGEWAYS AND BORROW DITCHES AFFECTED BY THE CONSTRUCTION SHALL BE DREDGED, AND THE SEDIMENT GENERATED BY THE PROJECT SHALL BE REMOVED AND DISPOSED IN ACCORDANCE WITH APPLICABLE REGULATIONS.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE,

INCLUDING POSTING SITE NOTICE, INSPECTIONS, DOCUMENTATION, AND SUBMISSION OF ANY INFORMATION REQUIRED BY THE TCEQ AND EPA (E.G. NOI).



& INTERIOR DESIGN

3708 UPLAND AVE.

LUBBOCK, TX 79407

806.748.6190

condray.com





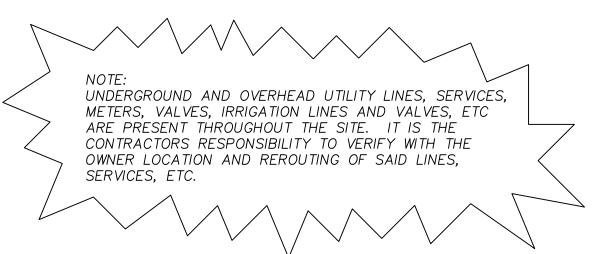
OJD Engineering, LLC TX FIRM #F-4393 328 F. Hwy 62 Unit : WOLFFORTH, TX 79382 PH: 806-791-2300



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REVISIONS:

| OF |



lote:

With regard to underground utilities, information from City of Wolfforth GIS, engineering plans, markings from Texas811 (ticket # 2480922474), and observed evidence has been utilized to developed a view of underground utilities. However, lacking excavation, the exact location of underground utilities and features cannot be accurately, completely or reliably depicted. In some areas, municipalities, 811 and other locate services will ignore locate requests from surveyors. Where additional or more detailed information is required, the client is advised that excavation and/or private utility locate request may be needed.

| | | | TREE |
|----------------|--|-----------------|-------------------------|
| AS B | ASPHALT BACK OF CURB | | FIRE HYDRANT |
| BC C&G | BUILDING CORNER CURB AND GUTTER | \bigcirc | UTILITY POLE |
| CL C/O C | CENTER LINE CLEAN OUT CONCRETE | \bigcirc | MANHOLE |
| CP E | CONTROL POINT EDGE | \otimes | WATER VALVE |
| EX FC | EXISTING FENCE CORNER | (| WATER METER |
| FF FH | FINISHED FLOOR FIRE HYDRANT | - 0- | SIGN |
| FL G | FLOW LINE GUTTER | G∨ | GAS VALVE |
| GB IRR | GRADE BREAK IRRIGATION | -• | GUY WIRE |
| LD LP | LANDING LIGHT POLE | ** | LIGHT POLE |
| MH N S | MANHOLE NATURAL GROUND SANITARY SEWER LINE | IRR | IRRIGATION |
| ST SW | STEP SIDEWALK | G | GAS METER |
| TC TYP | TOP OF CURB TYPICAL | E | ELECTRIC PEDISTAL |
| VG W | VALLEY GUTTER WATER LINE | T | TELECOM PEDISTAL |
| WM WV | WATER METER WATER VALVE | C/0 | SEWER CLEAN OUT |
| | | | PAD MOUNTED TRANSFORMER |

| | PROPERTY LINE |
|---------|---------------------|
| | EASEMENT LINE |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| —x——x—— | FENCE |
| UG-FBR | UNDERGROUND TELECO |
| 1105 | LINDERCROUND ELECTR |

UGFER UNDERGROUND TELECOMMUNICATION LINE
UNDERGROUND ELECTRICAL LINE
ONE OVERHEAD ELECTRICAL LINE
GAS GAS LINE
SEWER LINE
WATER LINE

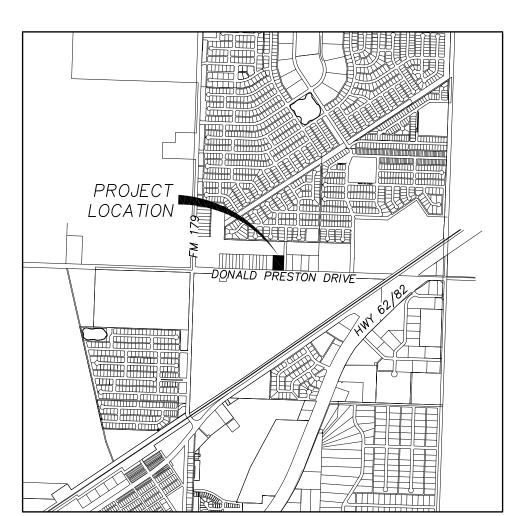
DRAINAGE ARROW

EXISTING CONCRETE

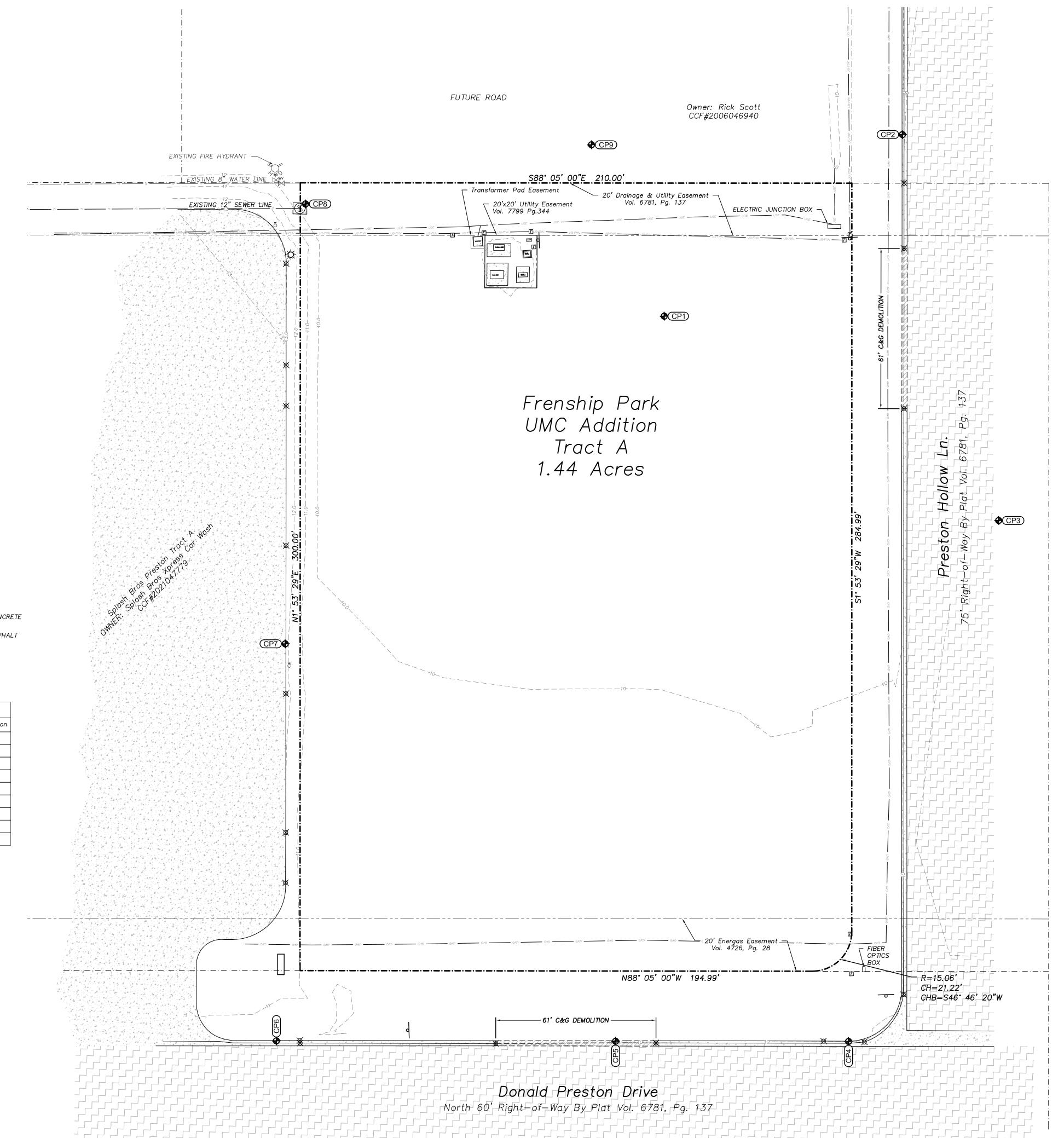
| _____ EXISTING ASPHALT

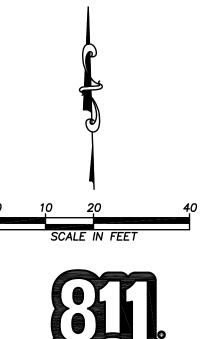
| _____ DEMOLITION

| | Point Table | | | | | | |
|---------|-------------|------------|-----------|-------------|--|--|--|
| Point # | Elevation | Northing | Easting | Description | | | |
| 101 | 3309.51 | 7253947.74 | 901091.09 | CP1 | | | |
| 102 | 3309.48 | 7254013.86 | 901183.96 | CP2 | | | |
| 103 | 3309.91 | 7253865.86 | 901215.77 | CP3 | | | |
| 104 | 3310.11 | 7253669.54 | 901152.20 | CP4 | | | |
| 105 | 3310.36 | 7253672.51 | 901063.57 | CP5 | | | |
| 106 | 3310.61 | 7253676.90 | 900934.54 | CP6 | | | |
| 107 | 3312.52 | 7253827.80 | 900942.85 | CP7 | | | |
| 108 | 3309.78 | 7253994.89 | 900956.02 | CP8 | | | |
| 109 | 3309.31 | 7254013.85 | 901065.55 | CP9 | | | |



VICINITY MAP





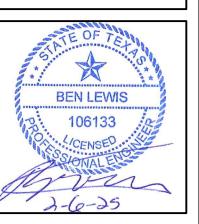


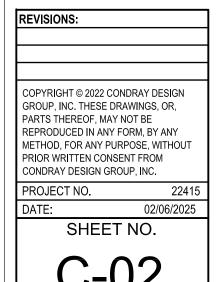


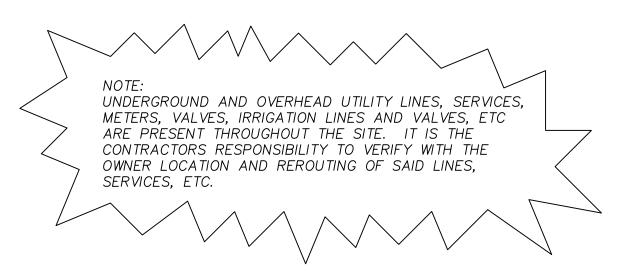












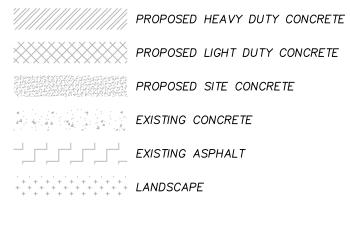
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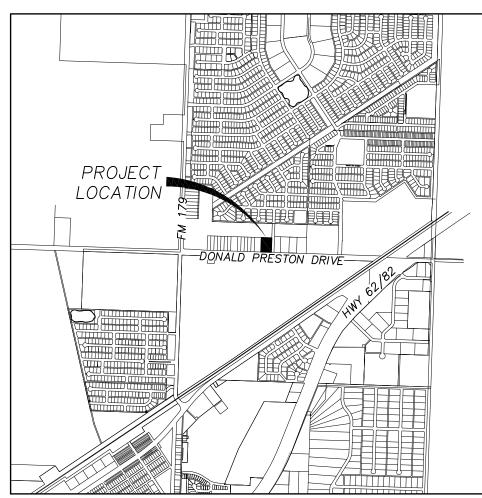
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| —x——x—— | FENCE |
| UG-FBR | UNDERGROUND TELECOMMUNICATION LINE |
| UGE | UNDERGROUND ELECTRICAL LINE |
| OHE | OVERHEAD ELECTRICAL LINE |
| ——— GAS ——— | GAS LINE |
| —— 5 —— | SEWER LINE |
| ———— W ———— | WATER LINE |

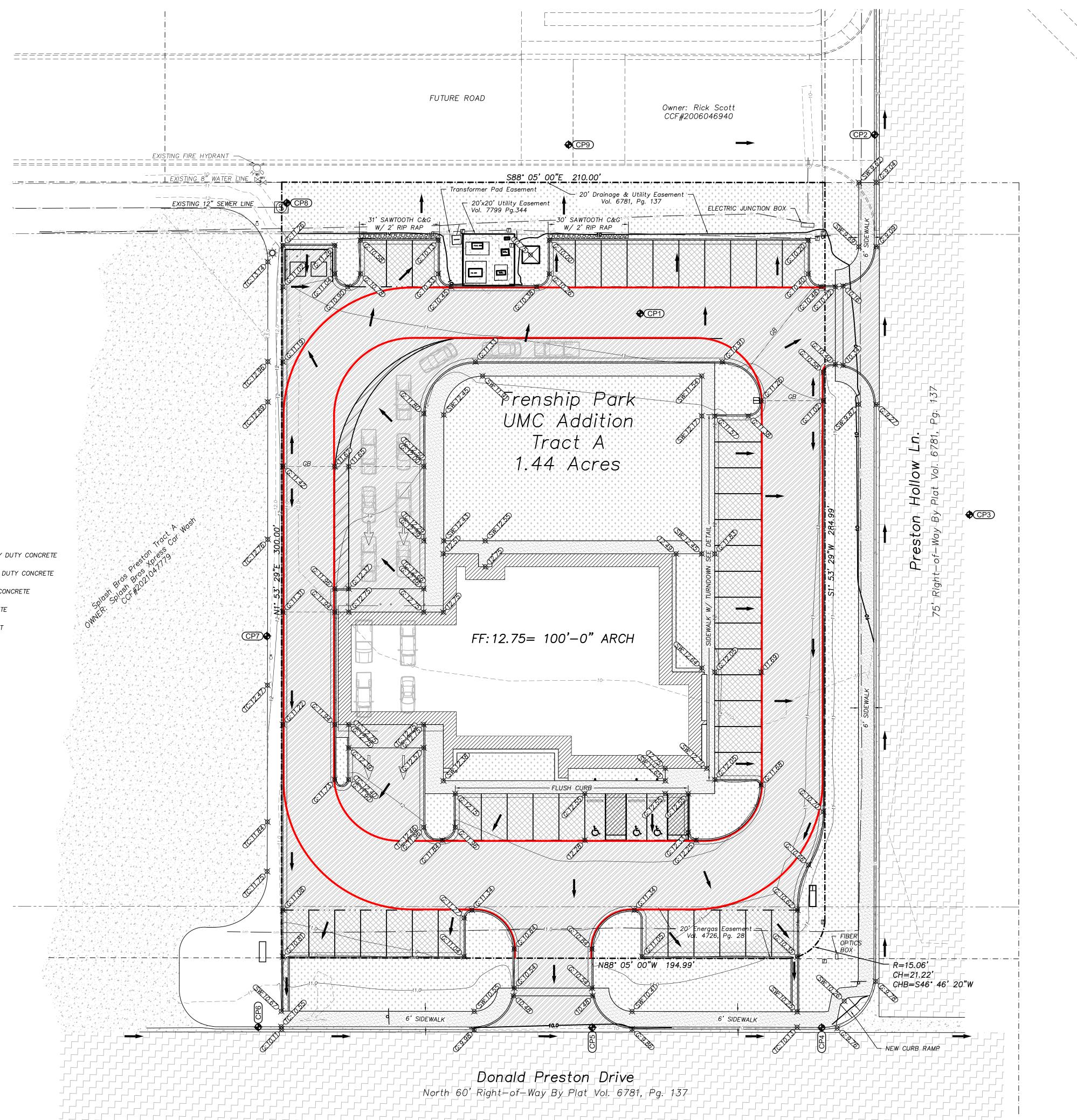
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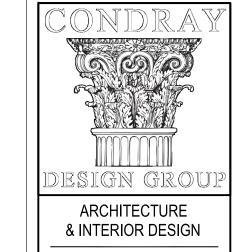


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VICINITY MAP





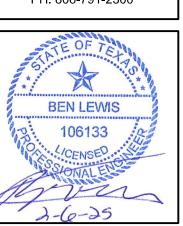


Know what's below.
Call before you dig.



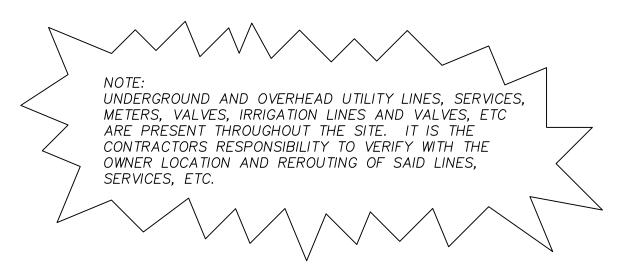






UNIVERSITY MEDICAL CENTER PHYSICIANS NEW WOLFFORTH CLINIC

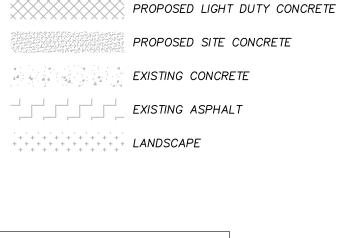




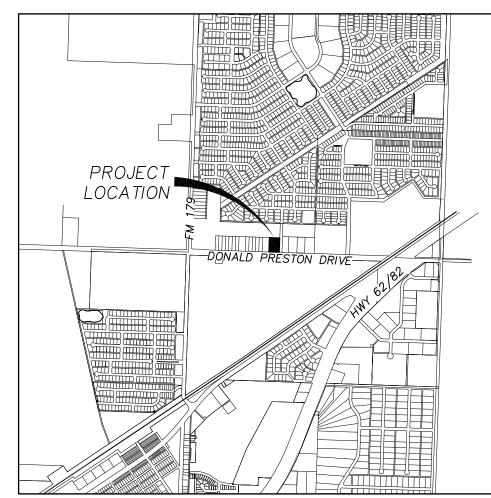
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| | | | TREE |
|----------------|---------------------------------------|-------------|-------------------------|
| AS B | ASPHALT BACK OF CURB | *** | FIRE HYDRANT |
| BC C&G | BUILDING CORNER CURB AND GUTTER | D | UTILITY POLE |
| CL C/O C | CENTER LINE CLEAN OUT CONCRETE | S | MANHOLE |
| CP E | CONTROL POINT EDGE | \otimes | WATER VALVE |
| EX FC | EXISTING FENCE CORNER | (W) | WATER METER |
| FF FH | FINISHED FLOOR FIRE HYDRANT | | SIGN |
| FL G | FLOW LINE GUTTER | GV | GAS VALVE |
| GB IRR | GRADE BREAK IRRIGATION | -• | GUY WIRE |
| LD LP MH | LANDING LIGHT POLE MANHOLE | ** | LIGHT POLE |
| мп N S | NATURAL GROUND SANITARY SEWER LINE | IRR | IRRIGATION |
| ST SW | STEP SIDEWALK | G | GAS METER |
| TC TYP | TOP OF CURB TYPICAL | E | ELECTRIC PEDISTAL |
| VG W | VALLEY GUTTER WATER LINE | T | TELECOM PEDISTAL |
| WM WV | WATER METER WATER VALVE | C/0 | SEWER CLEAN OUT |
| | | \boxtimes | PAD MOUNTED TRANSFORMER |

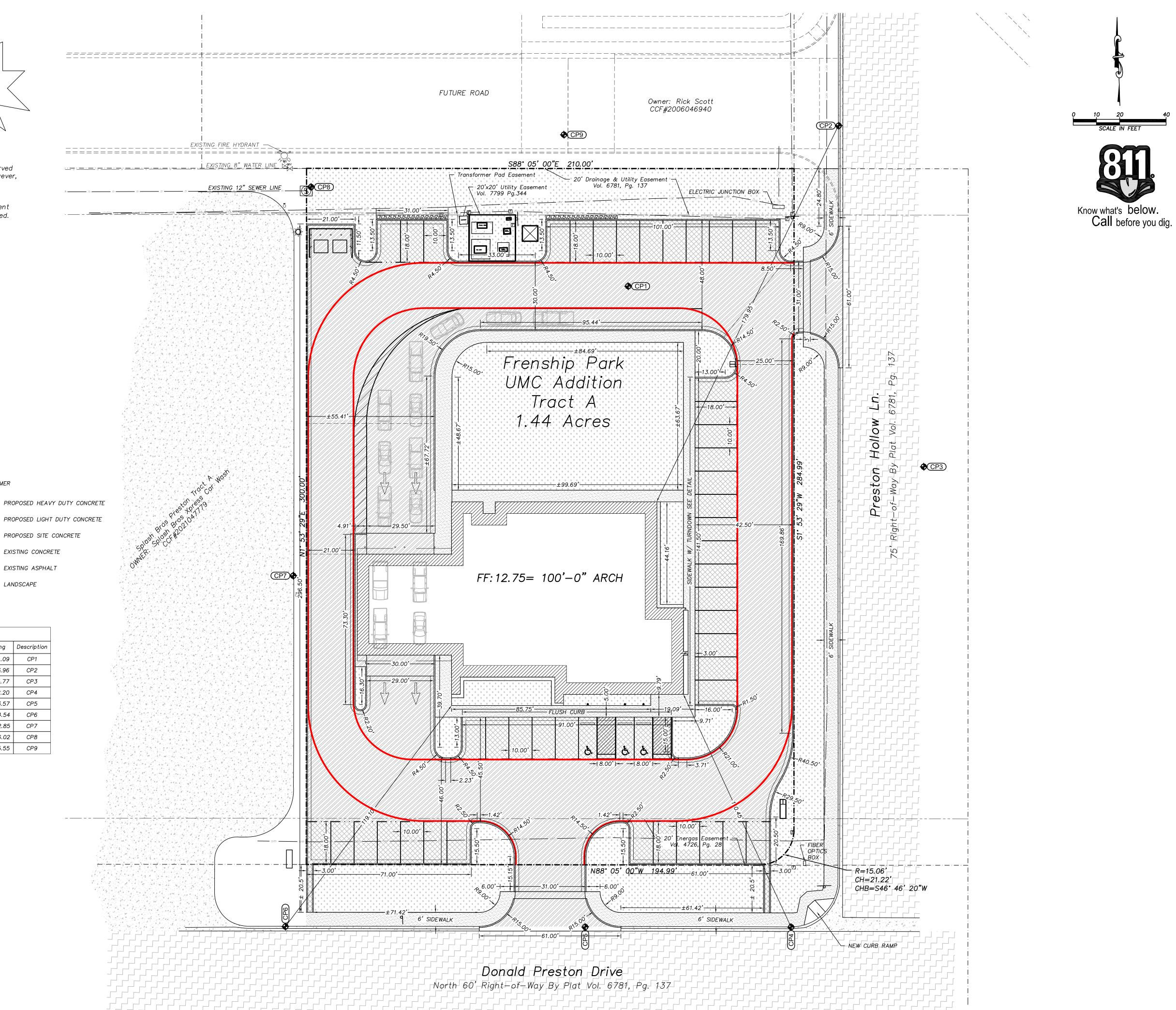
| | FIRE LANE |
|----------------|------------------------------------|
| | PROPERTY LINE |
| | EASEMENT LINE |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| -x x | FENCE |
| ——— UG-FBR ——— | UNDERGROUND TELECOMMUNICATION LINE |
| UGE | UNDERGROUND ELECTRICAL LINE |
| OHE | OVERHEAD ELECTRICAL LINE |
| ——— GAS ——— | GAS LINE |
| —— 5 —— | SEWER LINE |
| W | WATER LINE |
| | DRAINAGE ARROW |

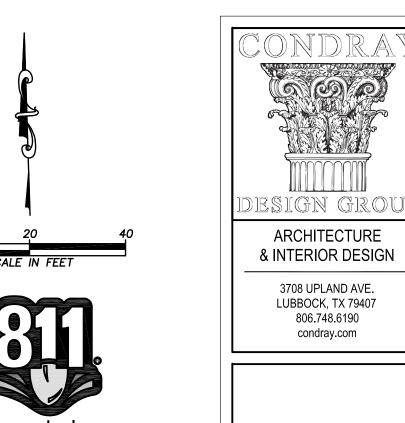


| | Point Table | | | | | | |
|---------|-------------|------------|-----------|-------------|--|--|--|
| Point # | Elevation | Northing | Easting | Description | | | |
| 101 | 3309.51 | 7253947.74 | 901091.09 | CP1 | | | |
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| 103 | 3309.91 | 7253865.86 | 901215.77 | CP3 | | | |
| 104 | 3310.11 | 7253669.54 | 901152.20 | CP4 | | | |
| 105 | 3310.36 | 7253672.51 | 901063.57 | CP5 | | | |
| 106 | 3310.61 | 7253676.90 | 900934.54 | CP6 | | | |
| 107 | 3312.52 | 7253827.80 | 900942.85 | CP7 | | | |
| 108 | 3309.78 | 7253994.89 | 900956.02 | CP8 | | | |
| 109 | 3309.31 | 7254013.85 | 901065.55 | CP9 | | | |



VICINITY MAP

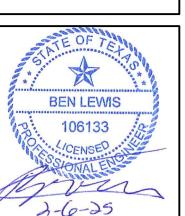


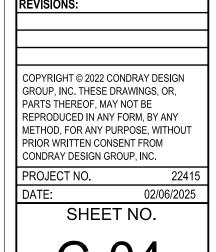


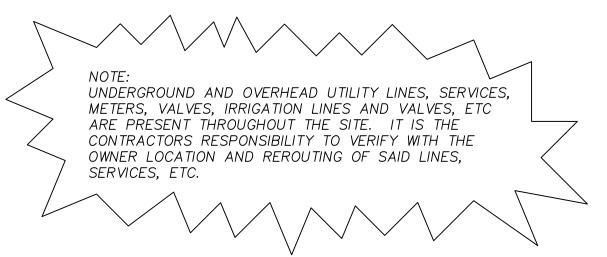












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| xcavation | and/or private utili | ty locate | request may be need |
|-----------|------------------------------------|-----------------------------|----------------------|
| | | | TREE |
| AS B | ASPHALT BACK OF CURB | | FIRE HYDRANT |
| BC C&G | BUILDING CORNER CURB AND GUTTER | $\mathcal{O}_{\mathcal{I}}$ | UTILITY POLE |
| CL | CENTER LINE | <u> </u> | |
| c/o c | CLEAN OUT CONCRETE | (S) | MANHOLE |
| CP E | CONTROL POINT EDGE | \otimes | WATER VALVE |
| EX FC | EXISTING FENCE CORNER | (| WATER METER |
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| FL | FLOW LINE | GV | GAS VALVE |
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| GB IRR | GRADE BREAK IRRIGATION | -0 | GUY WIRE |
| LD | LANDING | | |
| LP | LIGHT POLE | ** | LIGHT POLE |
| MH | MANHOLE | IRR | |
| N | NATURAL GROUND | | IRRIGATION |
| S | SANITARY SEWER LIN | | |
| ST | STEP | G | GAS METER |
| SW TC | SIDEWALK | | |
| TYP | TOP OF CURB TYPICAL | E | ELECTRIC PEDISTAL |
| VG | VALLEY GUTTER | [_ _] | TT: TOO!! DTD:OT!! |
| W | WATER LINE | [/] | TELECOM PEDISTAL |
| WM | WATER METER | \bigcirc | CEWED OLEAN OUT |
| WV | WATER VALVE | c/0 | SEWER CLEAN OUT |
| | | \boxtimes | PAD MOUNTED TRANSFOR |
| | | | |

------ EASEMENT LINE

---- GAS ---- GAS LINE

——— 5 ——— SEWER LINE

----- W ----- WATER LINE

— — — EXISTING CONTOUR

PROPOSED CONTOUR

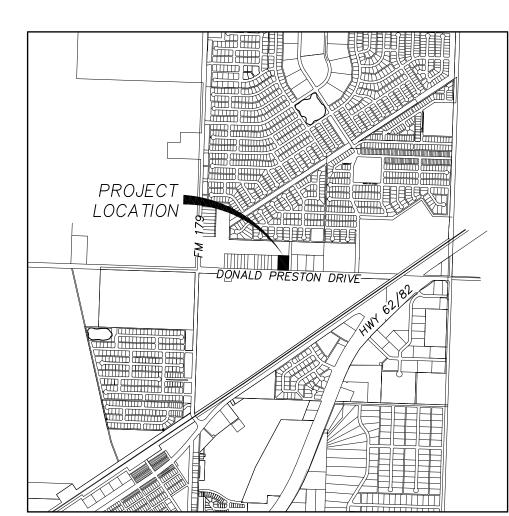
---- UG-FBR ---- UNDERGROUND TELECOMMUNICATION LINE

----- UGE ----- UNDERGROUND ELECTRICAL LINE

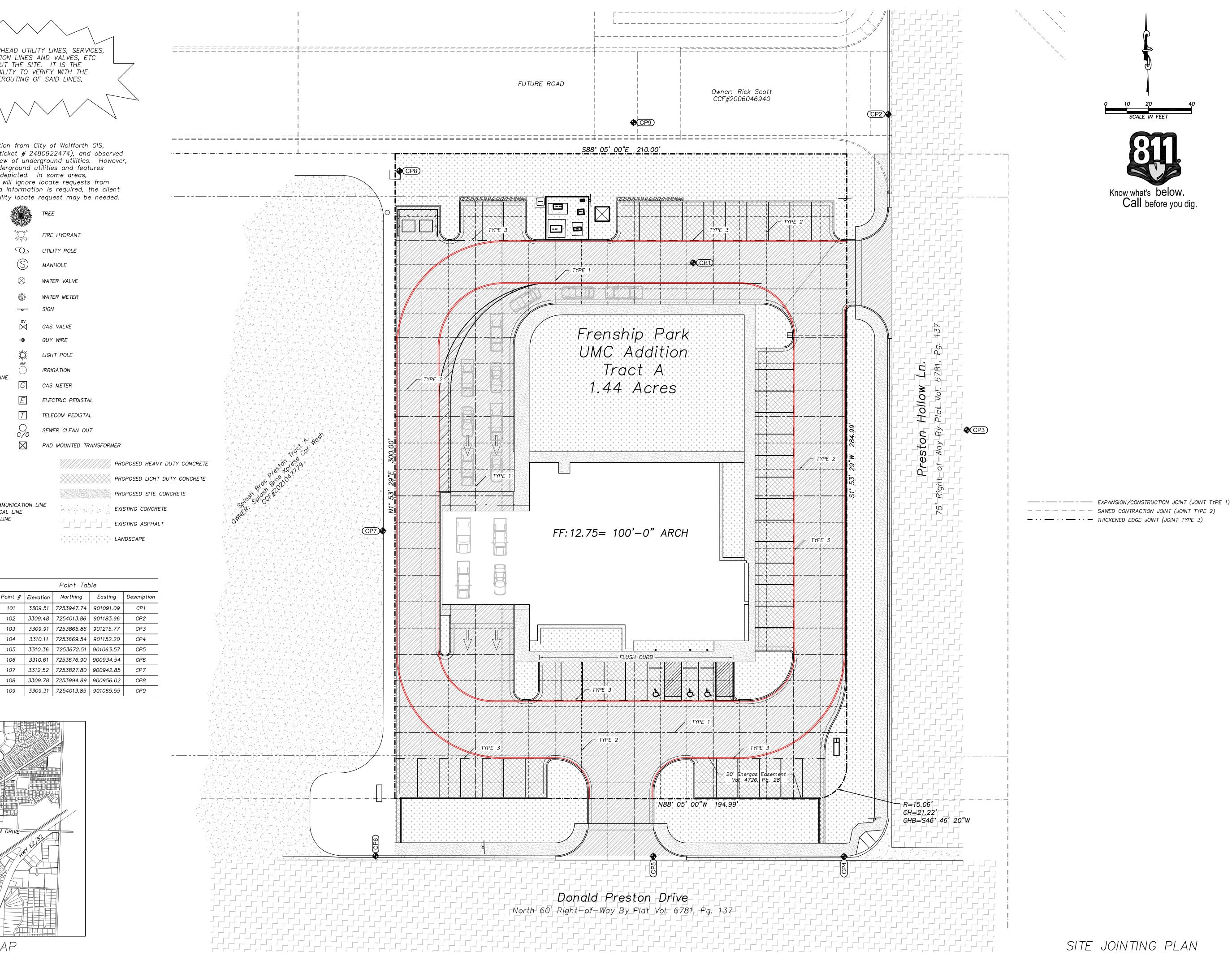
----- OHE ----- OVERHEAD ELECTRICAL LINE

| > | DRAINAGE ARROW | | | | | |
|-------------|----------------|---------|-----------|------------|-----------|---------|
| | | | | | | |
| | | | | | | |
| | | | | Point Tab | ole | |
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107 | 3312.52 | 7253827.80 | 900942.85 | 108 | 3309.78 | 7253994.89 | 900956.02 |







DESIGN GROU

ARCHITECTURE & INTERIOR DESIGN

3708 UPLAND AVE.

LUBBOCK, TX 79407 806.748.6190

condray.com

FINCHER

FINCHER ENGINEERING, LLC TX FIRM #F-16408 5621 114TH ST., SUITE 100 LUBBOCK, TX 79424 PH: 806-701-5109

WWW.FINCHERENG.COM

Nieman Engineering, LLO

OJD Engineering, LLC

TX FIRM #F-4393

328 E. Hwy 62. Unit 1

WOLFFORTH, TX 79382

PH: 806-791-2300

BEN LEWIS

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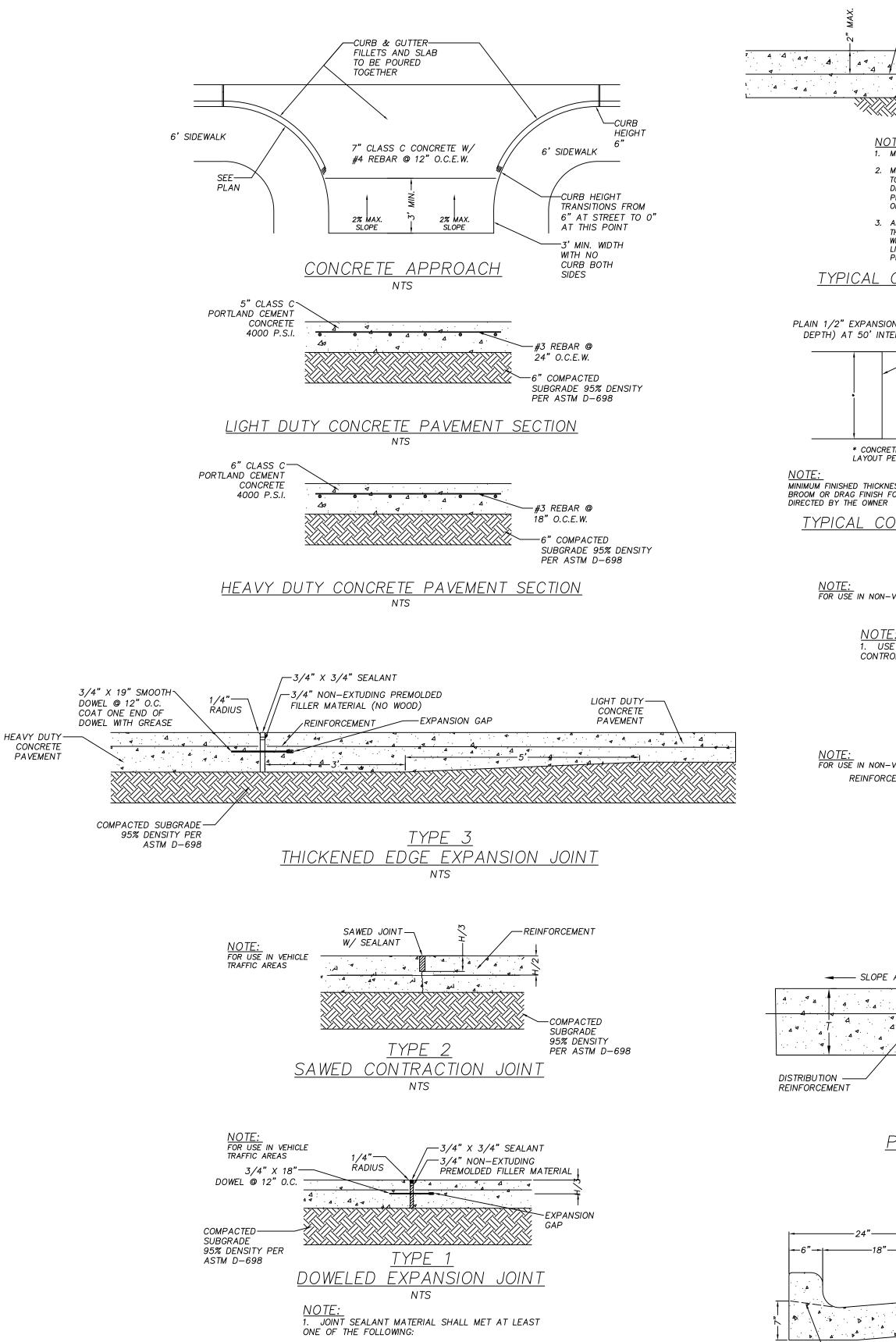
SHEET NO.

C-05

5 OF 8

PROJECT NO.

Lubbock, Texas 79401 T: 806-589-3340 TBPE Firm istration No: F- 14148



a. ASTMD 3405 — JOINT SEALANTS, HOT POURED FOR CONCRETE AND ASPHALT

b. ASTM D 3405 - JOINT SEALANTS, HOT POURED, ELASTOMERIC-TYPE, FOR PORTLAND CEMENT CONCRETE

PAVEMENTS, TO BE USED IN JOINTS IN CONCRETE

JOINT SEALING MATERIALS SHALL BE INSTALLED IN

ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

PAVEMENT

└─DOWN CURB SECTION

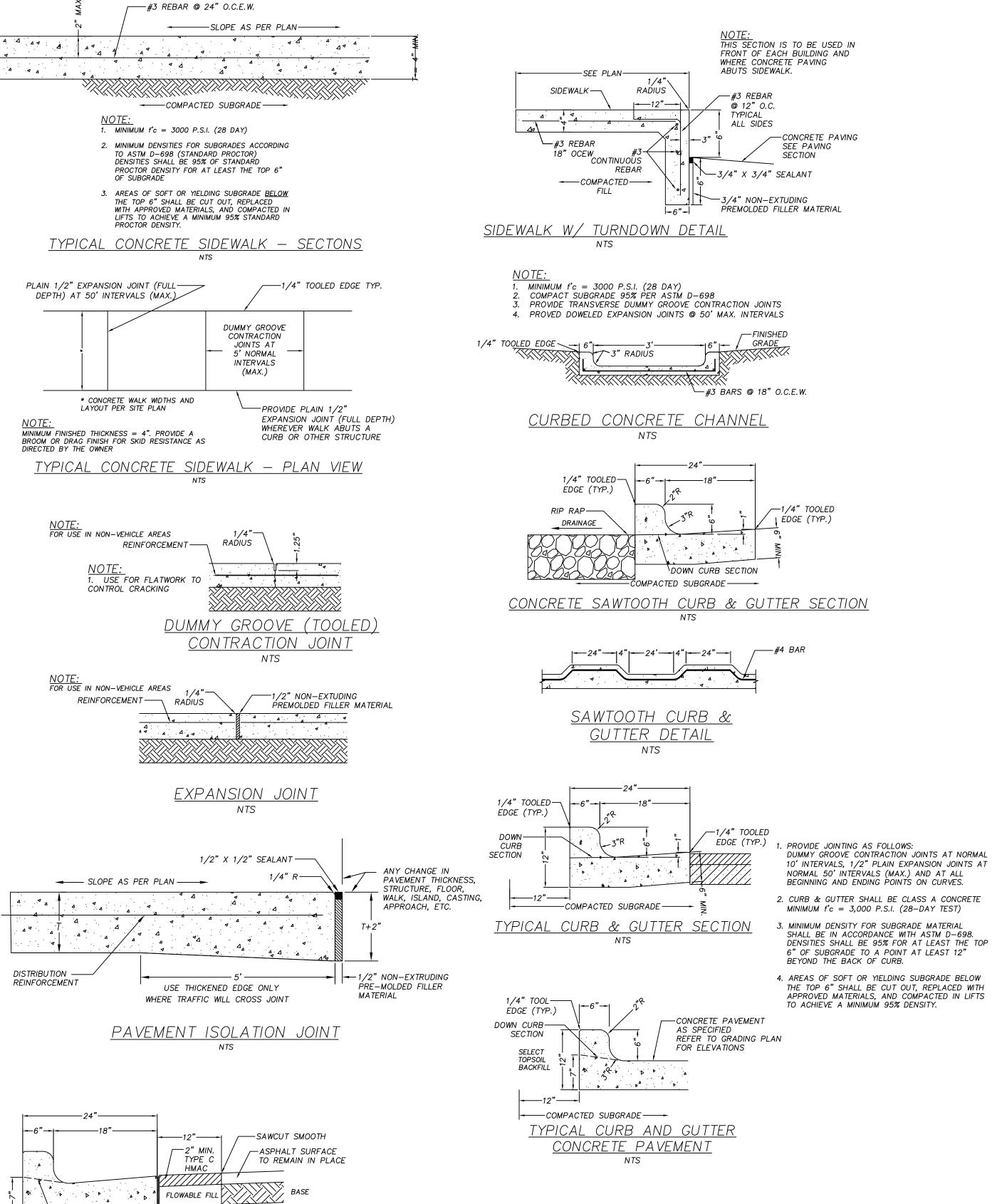
ASPHALT REPAIR ADJACENT TO

CURB AND GUTTER OR DRIVEWAY

NTS

TOE FORM — TO BE REMOVED PRIOR TO

INSTALLATION OF FLOWABLE FILL AND PAVING SURFACE





REVISIONS:

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METHOD, FOR ANY PURPOSE, WITHOUT

SHEET NO.

02/06/2025

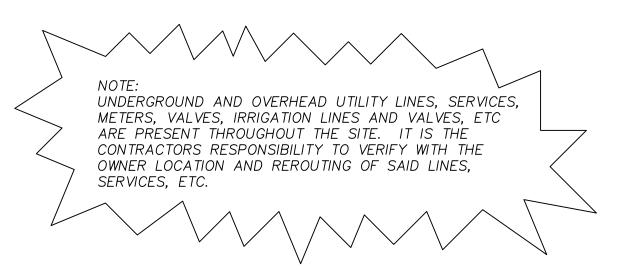
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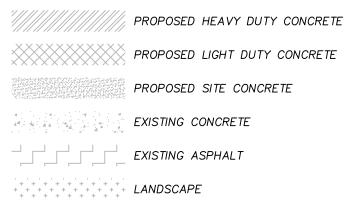


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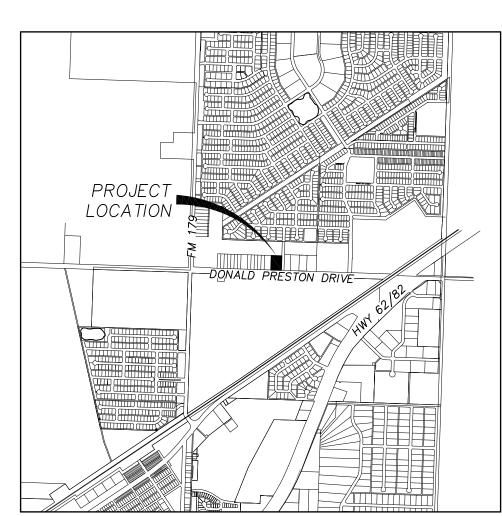
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| IRR | IRRIGATION | -0 | GUY WIRE |
| LD | LANDING | N/L | |
| LP | LIGHT POLE | ☆ | LIGHT POLE |
| МН | MANHOLE | IRR | |
| N | NATURAL GROUND | \bigcirc | IRRIGATION |
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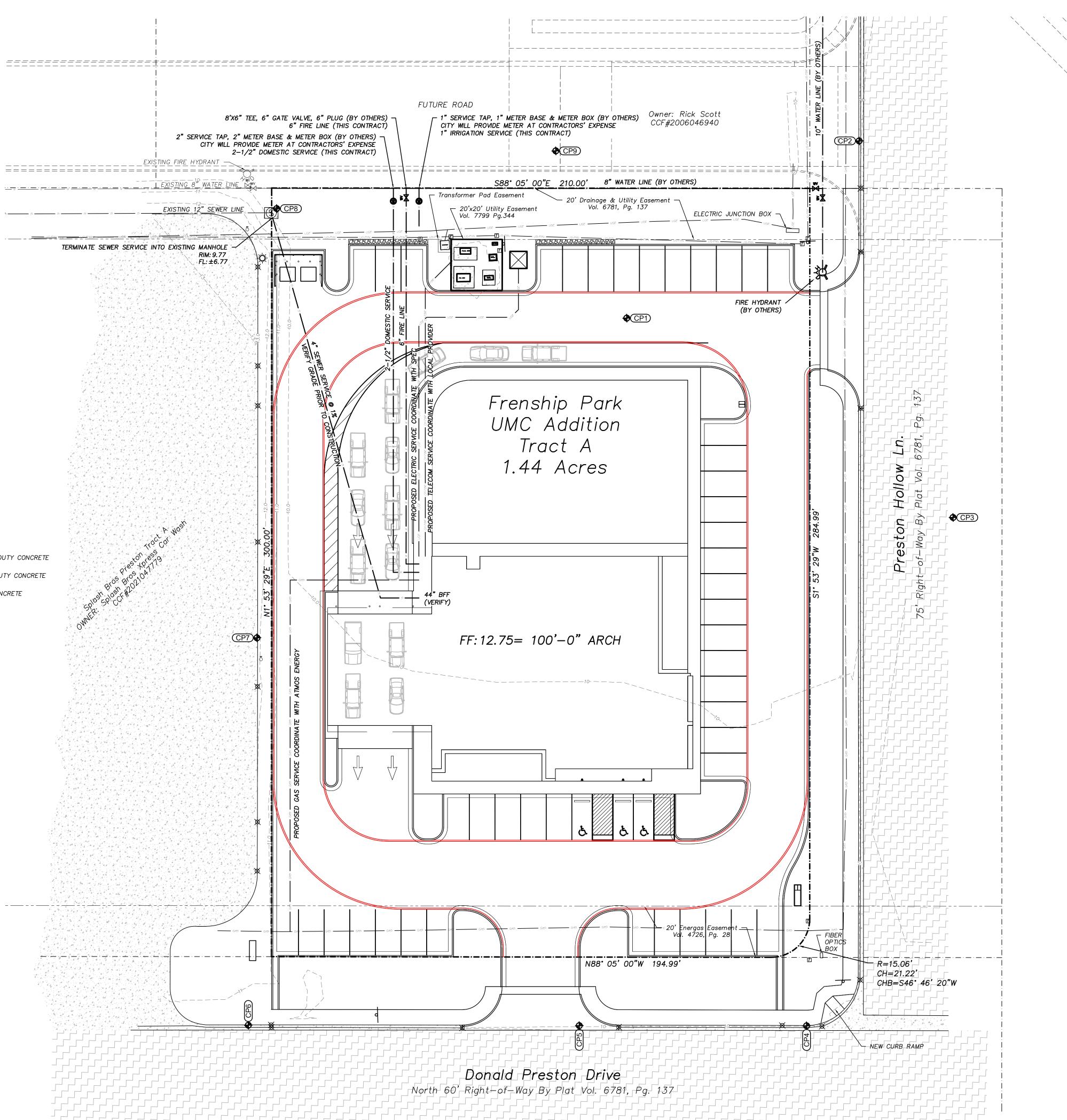
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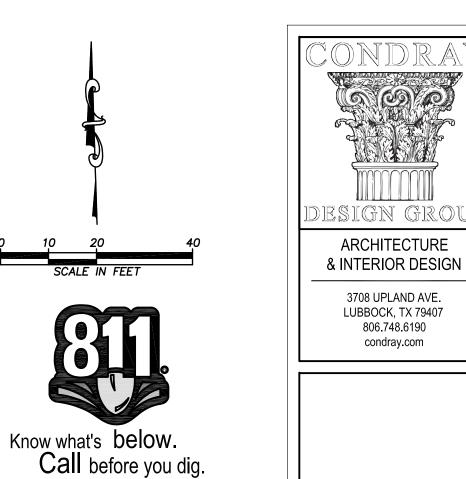


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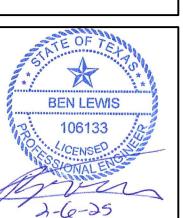






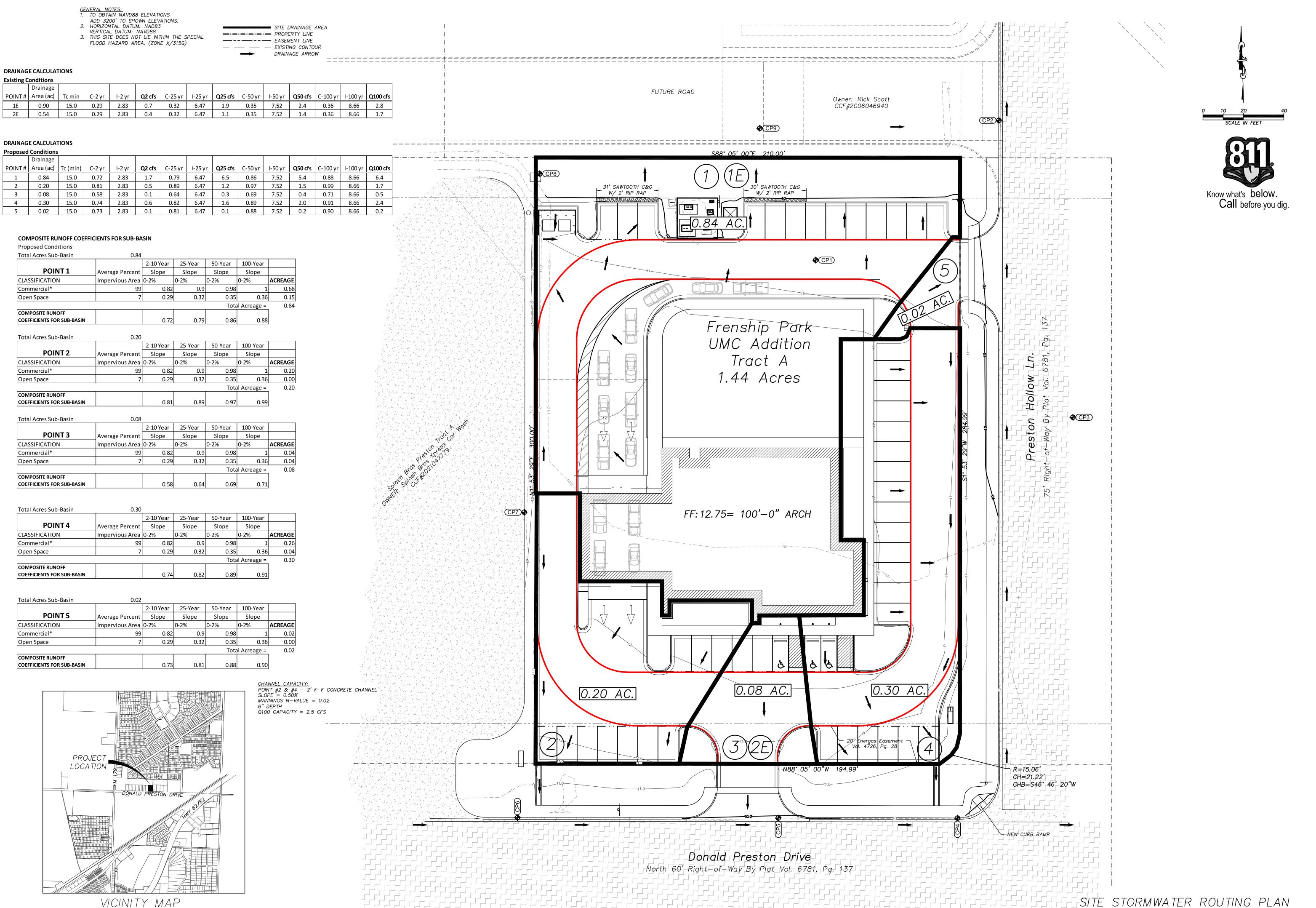






UNIVERSITY MEDICAL CENTER PHYSICIANS
NEW WOLFFORTH CLINIC
720 DONALD PRESTON DRIVE





CONDRAY

DESIGN GROUP

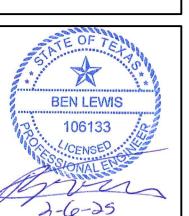
ARCHITECTURE
& INTERIOR DESIGN

3708 UPLAND AVE. LUBBOCK, TX 79407 806.748.6190 condray.com

FINCHER
ENGINEERING, LLC
FINCHER ENGINEERING, LLC
TX FIRM #F-16408
5621 114TH ST., SUITE 100
LUBBOCK, TX 79424
PH: 806-701-5109
WWW.FINCHERENG.COM







NEW WOLFFORTH CLINIC
720 DONALD PRESTON DRIVE
WOLFFORTH, TEXAS 79382

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SHEET NO.

C-08

8 OF 8

PROJECT NO.

GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED ON STRUCTURAL DRAWINGS IN CASE OF CONFLICT BETWEEN GSN DETAILS AND PLANS. THE GREATER REQUIREMENTS GOVERN.

GENERAL

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE, INCLUDING AMENDMENTS, EXCEPT WHERE APPLICABLE CODES OR THE CONTRACT DOCUMENTS ARE MORE RESTRICTIVE.
- THE SPECIFICATIONS AND REQUIREMENTS INDICATED ON THIS SHEET ARE INTENDED AS A BASIC SUMMARY OF THE MATERIAL, CONSTRUCTION AND INSPECTION REQUIREMENTS FOR THE PROJECT. ADDITIONAL, ARE GIVEN IN THE PROJECT SPECIFICATIONS. IN THE EVENT OF CONFLICT BETWEEN THE REQUIREMENTS INDICATED ON THIS SHEET AND THOSE IN THE PROJECT SPECIFICATIONS, THE MORE STRINGENT WILL GOVERN.
- FOR LOCATIONS AND DIMENSIONS OF SLEEVES, CURB, OPENINGS AND DEPRESSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE ARCHITECTURAL, CIVIL, MECHANICAL DRAWINGS. CONTRACTOR SHALL VERIFY AND COORDINATE REQUIREMENT FOR AND LOCATION OF ABOVE ITEMS WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT.
- EMBEDDED ITEMS, SUCH AS PIPE SLEEVES, CONDUITS AND INSERTS SHALL BE IN PLACE BEFORE CONCRETE IS POURED. SEE ARCHITECTURAL, CIVIL, MECHANICAL DRAWINGS FOR ITEMS REQUIRING SLEEVES AND EMBEDMENTS IN CONCRETE WHICH ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS.
- ALL STRUCTURAL RELATED SHOP DRAWINGS SHALL BE SUBMITTED, REVIEWED & APPROVED BY THE ENGINEER OF RECORD PRIOR TO ERECTION/CONSTRUCTION.
- STRUCTURAL DIMENSIONS AND OPENINGS CONTROLLED BY OR RELATED TO MECHANICAL OR ELECTRICAL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. STRUCTURAL DIMENSIONS RELATED TO OR CONTROLLED BY EXISTING STRUCTURES SHALL BE VERIFIED IN FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS INCLUDING LOCATION AND DIMENSIONS OF ALL EXISTING CONSTRUCTION AND UTILITIES. CONTRACTOR SHALL NOTIFY ENGINEER IF THERE ARE CONFLICTS BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONSTRUCTION BEFORE PROCEEDING WITH
- THE STRUCTURES ARE DESIGNED FOR STABILITY IN THE FINAL CONDITION ONLY. PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY DURING CONSTRUCTION.
- THE GENERAL NOTES AND TYPICAL DETAILS ARE GENERAL AND APPLY THE ENTIRE PROJECT EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY.

LOADING CRITERIA

| 1. | DEAD LOAD |
|----|--|
| | A. ROOF |
| 2. | LIVE LOADS |
| | A. ROOF (NOT REDUCED) |
| 3. | LATERAL LOADS |
| | A. WIND LOADS |
| | BASIC WIND SPEED: 115 MPH |
| | • OCCUPANCY CATEGORY:IV |
| | • EXPOSURE: C • DESIGN WIND PRESSURE FOR MWFRS: 20 PSF (NOMINAL) |
| | • DESIGN WIND FOR C&C: |
| | |
| | 34 PSF (NET UPLIFT NOMINAL ZONE 3) |
| | |
| | WIDTH OF END ZONE/EDGE/CORNER 7.6 FT |
| | |
| | B. SEISMIC LOAD |
| | • IMPORTANCE FACTOR: 1.50 |
| | • RISK CATEGORY: IV |
| | • SITE CLASS: D |
| | • SPECTRAL RESPONSE COEFFICIENTS: Sds = 0.083 Sd1 = 0.051 • SEISMIC DESIGN CATEGORY: A |
| | SEISMIC DESIGN CATEGORY: |
| | • RESPONSE MODIFICATION FACTOR: 3 |
| | • ANALYSIS PROCEDURE: EQUIVALENT LATERAL-FORCE |
| | |
| 4. | SNOW LOAD: |
| | • GROUND SNOW LOAD: (PG): 15 PSF |
| | • IMPORTANCE FACTOR: (Is): |
| | • THERMAL FACTOR: (Ct): |
| | * ITIENWALTACTON. (CU |
| | • FLAT-ROOF SNOW LOAD (Pf): 15.1 PSF |
| | |

REINFORCING STEEL

- 1. LATEST ACI CODE AND DETAILING MANUAL APPLY. ALL REINFORCING BARS DEFORMED UNLESS NOTED OTHERWISE.
- ALL REINFORCING SHALL BE ASTM A-615 GRADE 60 EXCEPT AS FOLLOWS:

| В | 3. WELDED ANCHORS | GRADE 40 |
|-------|---|-------------|
| | CHEMICAL ANALYSIS LIMITED PER AWS SPECIFICATIONS FOR WEI WITHOUT PREHEAT. | LD |
| C | C. WELDED ANCHORS #5 AND LARGER | .ASTM A-706 |
| EAR C | CONCRETE COVER TO REINFORCING ARE AS FOLLOWS: | |

...A-185

3. CLE

4. CAST

A. WIRE MESH...

| T-IN-PLACE CONCRETE (NON-PRESTRESSED): | |
|---|----------------------|
| A. CAST AGAINST AND PERMANENTLY EXPOSED TO E | ARTH3" |
| B. EXPOSED TO EARTH OR WEATHER: • #6 AND LARGER | 2" |
| • #5 AND SMALLER | |
| C. SLAB ON GRADE | 2" BELOW TOP OF SLAB |

- 5. SLAB REINFORCING SHALL BE LAPPED A MINIMUM OF 16".
- LAP REINFORCING BARS IN CONTINUOUS FOOTINGS 30 BAR DIAMETERS OR 24" MINIMUM. ALL HORIZONTAL REINFORCING IN CONTINUOUS FOOTINGS AND WALLS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP A MINIMUM OF 30 BAR DIAMETERS OR 24" MINIMUM.
- WHERE BARS ARE SHOWN SPLICED, THEY MAY RUN CONTINUOUS AT CONTRACTOR'S

CAST-IN-PLACE CONCRETE

- CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF ACI 301 AND
- PROVIDE CONCRETE (WITH TYPE IL CEMENT) HAVING THE FOLLOWING GENERAL **CHARACTERISTICS:**

| CLASS | 28-DAY STRENGTH (PSI) | SLUMP RANGE (IN) | AGGREGATE SIZE (IN) | W/C RATIO | USAGE |
|-------|-----------------------------|------------------------|------------------------|--------------|--|
| А | 4,000 | 3-5 | 1" | 0.45 MAX | ALL FOOTINGS & INTERIOR SLAB ON GRADE |
| В | 4,000 (5% +/- 1% AIR) | 3-5 | 1" | 0.50 MAX | EXTERIOR SLAB ON GRADE WHERE SPECIFIED AS STRUCTURAL. OTHERWISE, REFER TO CIVIL. |
| С | 3,000 | 3/8 | 1" | 0.62 MAX | ELECTRICAL ENCASEMENT, PIPE ENCASEMENT, MISC. NON SCHEDULED CONCRETE WORK. |

NOTE: THE READY MIX-CONCRETE SHOULD ARRIVE AT THE TARGET SLUMP AND THE CONTRACTOR SHOULD NOT BE ALLOWED TO ADD WATER TO THE MIXTURE.

- MINIMUM STRENGTH FOR REMOVAL OF FORMS AND SHORING SHALL BE 75% OF SPECIFIED STRENGTH AT 28 DAYS.
- EXCEPT AS OTHERWISE REQUIRED, ALL EXPOSED CONCRETE CORNERS AND EDGES SHALL HAVE 3/4" CHAMFERS.
- NO ADMIXTURES SHALL BE USED WITHOUT APPROVAL. NO AIR ENTRAINMENT SHALL BE ALLOWED IN FLAT SLABS. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. CONCRETE SHALL NOT BE IN CONTACT WITH ALUMINUM.
- FLY ASH (POZZOLAN) IF PERMITTED SHALL NOT EXCEED 15% REPLACEMENT OF TOTAL **CEMENT CONTENT USING A 1:1 REPLACEMENT FACTOR**
- PROVIDE 15 MILS THICK VAPOR RETARDER UNDER ALL SLAB ON GRADE. ALL JOINTS AND SEAMS, BOTH LATERAL AND BUTT, SHALL BE OVERLAPPED 6" AND TAPED. ALL DAMAGED AREAS AND PENETRATIONS SHALL BE SEALED WITH VAPOR RETARDER AND TAPE. VAPOR RETARDER SHALL EXTEND FROM THE BOTTOM OF THE SLAB DOWN ALL FOOTINGS A MINIMUM OF 12".

SOIL AND FOUNDATION

| 4 | COIL DEDONT BY | DRAUN INTERTEC CORRORATION |
|----|-----------------|----------------------------|
| Ί. | SOIL REPORT BY: | BRAUN INTERTEC CORPORATION |
| | PROJECT NO. | B2500461 |
| | DATED: | FEBRUARY 5, 2025 |

- THE DESIGN OF THE FOUNDATION IS BASED UPON THE RECOMMENDATIONS MADE IN THE REFERENCED GEOTECHNICAL REPORT. FOR THE FOUNDATION TO PERFORM AS INTENDED, IT IS IMPERATIVE THAT THE CONTRACTOR PREPARE THE SUBGRADE PER THE REFERENCED GEOTECHNICAL REPORT. THE CONTRACTOR'S BID SHALL INCLUDE ALL WORK RECOMMENDED IN THE REFERENCED GEOTECHNICAL REPORT. IF THE CONTRACTOR HAS ANY QUESTIONS ABOUT THE WORK REQUIRED. PLEASE CONTACT THE ARCHITECT.
- TO FACILITATE SCHEDULING, AT LEAST 48 HOURS ADVANCE NOTICE SHALL BE GIVEN PRIOR TO THE REQUIRED INSPECTIONS.
- THE FOLLOWING NET ALLOWABLE BEARING PRESSURES WERE UTILIZED IN THE DESIGN OF THE FOUNDATIONS.

| SPREAD FOOTINGS | 2,500 PSF |
|--------------------------|-----------|
| PERIMETER STRIP FOOTINGS | 1,900 PSF |

STRUCTURAL STEEL

- FOR ALL STRUCTURAL STEEL FABRICATION AND CONSTRUCTION LATEST AISC HANDBOOKS AND CODES SHALL APPLY. ALL STEEL FABRICATION IS REQUIRED TO BE COMPLETED BY AN APPROVED STEEL FABRICATOR RECOGNIZED BY THE BUILDING
- PREFERRED SPECIFICATIONS PER AISC:

STEEL

WIDE FLANGE MEMBERS ASTM A992 - GRADE 50 C, MC CHANNEL MEMBERS **ASTM A992 - GRADE 50** ASTM A53 - GRADE 50 STEEL PIPE STEEL TUBE ASTM A500 - GRADE C - 50 KSI OTHER STEEL SHAPES **ASTM A572 - GRADE 50** STEEL PLATE **ASTM A36 - 36 KSI**

- ANCHOR BOLTS, ASTM F1554 GRADE 36 UNO; HIGH STRENGTH BOLTS, A-325-X OR A-325-SC PER SCHEDULES. MINIMUM EMBEDMENT OF ALL BOLTS IN GROUT OR CONCRETE SHALL BE 8" INCLUDING BOLT HEAD OR 5" WITH A STD HOOK. WELDED ANCHORS AND SHEAR CONNECTORS SHALL BE ICC APPROVED.
- UNLESS OTHERWISE NOTED MINIMUM CONNECTION SHALL BE: (2) 3/4" DIAMETER BOLTS OR 3/16" FILLET WELD 4" LONG, USING 1/4" CONNECTION MATERIAL AND DETAILED TO MINIMIZE BENDING IN THE CONNECTION.

WELDING

- ALL CONSTRUCTION AND TESTING PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS. ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR. WELDING RODS TO BE LOW HYDROGEN TYPE, E70 FOR STRUCTURAL STEEL AND E60 FOR METAL DECK AND LIGHT GAGE STEEL STUDS.
- ALL BUTT WELDED SPLICES IN MATERIAL THICKER THAN 5/16" SHALL BE INSPECTED BY AN INDEPENDENT TESTING LABORATORY, TO CERTIFY CONNECTION AS MEETING OR EXCEEDING STRENGTH OF MATERIALS SPLICED.
- ALL WELDING OF STRUCTURAL STEEL SHALL CONFORM TO THE "STRUCTURAL WELDING CODES-STEEL" AWS D1.1, CURRENT EDITION.
- ALL WELDING OF LIGHT GAGE STEEL STUDS AND STEEL DECK SHALL CONFORM TO THE "STRUCTURAL WELDING CODES-SHEET STEEL" AWS D1.3, CURRENT EDITION.
- WELDS INDICATED MAY BE MADE IN SHOP OR FIELD WITH APPROVAL.

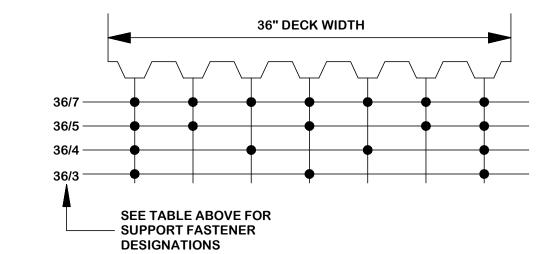
OPEN WEB STEEL JOIST

- DESIGN, FABRICATION AND ERECTION IN ACCORDANCE WITH LATEST EDITION OF STEEL JOIST INSTITUTE BY A MEMBER OF S.J.I. APPROVED FOR THE TYPE OF JOIST BEING USED.
- CAMBER SHALL BE PROVIDED AS PER S.J.I. RECOMMENDATIONS.
- WHERE JOISTS ARE CUSTOM DESIGNED TO MEET MINIMUM LOAD REQUIREMENTS ON DRAWINGS, THE CONTRACTOR SHALL SUBMIT FOR REVIEW, PRIOR TO FABRICATION, DESIGN CALCULATIONS BEARING THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF TEXAS. SHOP DRAWINGS SHALL INDICATE MEMBER LAYOUT AND SIZES.
- BRIDGING TYPE AND LOCATION SHALL BE HORIZONTAL OR DIAGONAL AS REQUIRED BY THE JOIST DESIGNER AND SHALL BE PER S.J.I. SPECIFICATIONS. WHERE BRIDGING INTERFERES WITH THE MECHANICAL OR OTHER INSTALLATIONS, REMOVE BRIDGING AFTER DECK IS IN PLACE AND REPLACE AS DIRECTED BY JOIST DESIGNER.
- JOISTS SHALL BE ERECTED SUCH THAT THEIR JOIST PLANE IS PERPENDICULAR TO THE PLANE OF THE ROOF.
- IN PLAN VIEW, WHERE JOISTS ARE ORIENTED PERPENDICULAR TO ROOF SLOPE, JOIST MANUFACTURER SHALL ADDRESS THE OUT-OF-PLUMBNESS OF THE JOISTS (ADD BRIDGING, INCREASE CHORD SIZES IF NECESSARY, ETC. TO COMPENSATE FOR OUT-OF-PLUMBNESS). IN "PERPENDICULAR-TO-SLOPE" CONDITIONS BEARING PLATES, WELD PLATES, ETC. IN CMU OR CONCRETE SUPPORT WALLS SHALL BE SLOPED TO MATCH ROOF SLOPE (JOIST SHOES WILL NOT BE MANUFACTURED WITH TILT OR TAPER PERPENDICULAR TO SHOE TO ACHIEVE SLOPE).
- WHERE JOISTS ARE ORIENTED PARALLEL TO ROOF SLOPE JOIST MANUFACTURER SHALL PROVIDE SLOPED (TAPERED) JOIST SHOES TO BEAR ON A LEVEL BEARING SURFACE. IN "PARALLEL-TO-SLOPE" CONDITIONS JOISTS THAT BEAR AT A CONCRETE OR CMU WALL SHALL BEAR ON A LEVEL BEARING PLATE.
- PER S.J.I. ALL JOISTS SPANNING 40'-0" OR LONGER SHALL HAVE A ROW OF BOLTED BRIDGING IN PLACE PRIOR TO SLACKENING OF HOISTING LINES.
- DO NOT DRILL OR WELD TO JOIST MEMBERS WITHOUT PRIOR APPROVAL.
- AT MISCELLANEOUS FRAMING CONNECTIONS, SEE DETAILS FOR ADDITIONAL WEB ANGLE REQUIREMENTS.
- JOIST MANUFACTURER SHALL LIMIT THE TOTAL LOAD DEFLECTION TO L/240 AND LIVE LOAD DEFLECTION TO L/360.
- GENERAL CONTRACTOR TO COORDINATE WEIGHTS AND LOCATIONS OF FIRE SPRINKLER MAINS WITH JOIST SUPPLIER PRIOR TO JOIST FABRICATION / SHOPS / CALCS. A MINIMUM OF 5 PSF COLLATERAL LOADS WAS INCLUDED IN THE ROOF DEAD LOAD CALCULATIONS.

1-1/2" TYPE "B" METAL ROOF DECK

- STEEL DECK INSTITUTE SPECIFICATIONS AND RECOMMENDATIONS APPLY. DECK SHALL BE PAINTED OR GALVANIZED.
- DECK UNITS SHALL BE CONTINUOUS OVER THREE SPANS, WHERE POSSIBLE. USE NEXT HEAVIER GAGE FOR SIMPLE OR TWO SPAN CONTINUOUS CONDITIONS. YIELD STRESS SHALL BE 33,000 PSI MINIMUM.
- PROVIDE SPREADER BAR AT TOP OF DECK WHEN SUSPENDING CEILING FROM DECK. HOWEVER, DO NOT SUSPEND PLASTERED CEILING FROM DECK. PROVIDE ALL
- ERECT IN ACCORDANCE WITH THE CURRENT ICC RESEARCH RECOMMENDATIONS TO MEET THE LOAD AND SHEAR REQUIREMENTS STATED BELOW. EXCEPT THAT IN NO CASE SHALL CONNECTIONS TO STEEL MEMBERS BE LESS THAN SHOWN BELOW.
- WELDING ELECTRODES SHALL BE LOW HYDROGEN TYPE E70 OR E60. PUDDLE WELD DECK TO SUPPORTING STRUCTURAL STEEL, USING MINIMUM 5/8" DIAMETER FUSION AREA PER TABLE BELOW.
- OPENING EDGES SHALL RECEIVE SAME WELDING/ATTACHMENT AS REQUIRED FOR TRANSVERSE SUPPORTS
- HILTI DECK FASTENERS OR EQUAL WITH EQUIVALENT STRENGTH TO PUDDLE WELDS MAY BE USED IF SUBMITTED FOR APPROVAL PRIOR TO USE.
- SHOP DRAWINGS SHALL SHOW THE ERECTION PROCEDURE AND DETAILS. THE ICC REPORT, INCLUDING VERTICAL LOAD AND DIAPHRAGM SHEAR CAPACITY SHALL BE FURNISHED, AND SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.

| DECKING TYPE | SUPPORT FASTENERS | | SIDELAP FASTENERS | |
|--------------|---------------------------|---------|-------------------|------------|
| DEORING TIPE | TYPE | PATTERN | TYPE | |
| 1.5B - 20 | 5/8" DIA. PUDDLE WELDS | 36/4 | #10 TEK SCREWS | 4 PER SPAN |



METAL STUD FRAMING

- ALL LIGHT GAUGE STEEL FRAMING SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS. LIGHT GAUGE METAL FRAMING CALL-OUTS SHOWN ON PLANS SHALL MEET OR EXCEED SECTIONS SPECIFIED BY THE METAL STUD MANUFACTURERS ASSOCIATION (REFERENCE ICC REPORT #4943P). OF THE AISI SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBER.
- ALL 16 GAUGE AND HEAVIER STUDS CALLED OUT ON PLANS SHALL HAVE MINIMUM Fv=50 KSI (ASTM A446 GRADE D OR ASTM A570). LIGHTER STUDS SHALL HAVE MINIMUM Fy=33 KSI (ASTM A446 GRADE A). GALVANIZED COATINGS SHALL MEET THE REQUIREMENTS OF **ASTM A525.**
- BRIDGING SHALL BE COLD ROLLED CHANNEL, MINIMUM 1 1/2" DEEP WITH 9/16" FLANGE WIDTH PER TYPICAL DETAIL. SPACE BRIDGING AT 4'-0" MAXIMUM O.C. VERTICALLY.
- DOUBLE UP STUDS AT ALL JAMBS UNLESS MORE STUDS ARE REQUIRED BY THE DRAWINGS, SEE TYPICAL DETAILS. PROVIDE LINTELS AT OPENINGS.

STRUCTURAL OBSERVATIONS

- JOB SITE OBSERVATIONS BY THE PROFESSIONAL ENGINEER OR HIS AUTHORIZED REPRESENTATIVE SHALL CONSIST OF VISUAL OBSERVATION OF MATERIALS, **EQUIPMENTS OR CONSTRUCTION WORK FOR THE PURPOSE OF ASCERTAINING THAT** THE WORK IS IN SUBSTANTIAL CONFORMANCE WITH THE CONTRACT DOCUMENTS AND WITHIN THE DESIGN INTENT. SUCH OBSERVATIONS SHALL NOT BE RELIED UPON BY OTHERS AS ACCEPTANCE OF THE WORK, NOR SHALL IT BE CONSTRUCTED TO RELIEVE THE CONTRACTOR IN ANY WAY FROM HIS OBLIGATIONS AND RESPONSIBILITY UNDER THE CONSTRUCTION CONTRACT. SPECIFICALLY BUT WITHOUT LIMITATIONS. OBSERVATIONS BY THE DESIGN PROFESSIONAL SHALL NOT REQUIRE THE DESIGN PROFESSIONAL TO ANSWER RESPONSIBILITY FOR THE MEANS AND METHODS OF CONSTRUCTION, NOR FOR SAFETY ON THE JOB SITE.
- NOTIFY ENGINEER 48 HOURS IN ADVANCE WHEN A STRUCTURAL OBSERVATION IS REQUIRED. NOTIFY THE ENGINEER FOR THE FOLLOWING ITEMS:
- BEFORE PLACEMENT OF CONCRETE FOR FOUNDATIONS AND SLAB. AFTER FRAMING OF ROOF STRUCTURE BUT BEFORE PLACEMENT OF ROOFING MATERIAL.

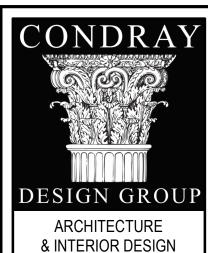
SHOP DRAWINGS & SUBMITTALS

- SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED FOR REVIEW TO THE STRUCTURAL ENGINEER FOR EACH STRUCTURAL BUILDING MATERIAL AS INDICATED IN THE STRUCTURAL GENERAL NOTES AND THE CONTRACT SPECIFICATIONS. SEE THE CONTRACT SPECIFICATION FOR SUBMITTAL PROCEDURE AND ADDITIONAL INFORMATION.
- SHOP DRAWINGS SHALL USE DRAFTING LINE WORK AND LETTERING THAT IS CLEARLY LEGIBLE. SHOP DRAWINGS SHALL NOT CONTAIN REPRODUCTIONS OF THE CONTRACT DRAWINGS PLANS OR DETAILS.
- SHOP DRAWINGS SHALL SHOW CLEAR AND COMPLETE INFORMATION FOR THE FABRICATION (DETAIL SHEETS AND/OR MATERIAL LIST) AND INSTALLATION.
- ALLOW A MINIMUM OF (2) WEEKS FOR REVIEW OF EACH SET OF SHOP DRAWINGS.
- THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS SUBMITTED BY THE SUBCONTRACTOR AND COORDINATE SHOP DRAWINGS WITH ALL OTHER TRADES.
- 6. THE CONTRACTOR SHALL ANSWER ALL QUESTIONS OR CLARIFICATIONS BY THE SUBCONTRACTOR BEFORE SUBMITTING TO THE ENGINEER FOR REVIEW. ANY QUESTIONS THAT THE CONTRACTOR CANNOT ANSWER WITH THE INFORMATION ON THE DRAWINGS SHALL CLEARLY BE MARKED FOR THE ENGINEER FOR REVIEW.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, SEE NOTE 3 & 6 **UNDER GENERAL NOTES.**
- REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL CONFORMANCE TO THE STRUCTURAL DRAWINGS. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR FOR ANY ERRORS IN DIMENSIONS OR MATERIALS INDICATED ON THE SHOP DRAWINGS.

SPECIAL INSPECTIONS

- SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE IBC 2021 (INTERNATIONAL BUILDING CODE 2021) BY A SPECIAL INSPECTOR HIRED BY THE OWNER TO PERFORM THE SPECIAL INSPECTIONS LISTED BELOW. THE SPECIAL INSPECTOR SHALL BE QUALIFIED BY AN APPROVED AGENCY ACCORDING TO THE CITY'S BUILDING OFFICIAL TO PERFORM SPECIAL INSPECTIONS FOR WHICH THEY WILL BE UNDERTAKING. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE ARCHITECT. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN IF LEFT UNCORRECTED TO THE STRUCTURAL ENGINEER, ARCHITECT AND BUILDING DEPARTMENT.
- WHEN INDICATED WITH A "X", THE FOLLOWING SHALL BE INSPECTED.

| ITEM | REQ'D | REMARKS |
|--|---------------------------|--------------------------|
| GRADING, EXCAVATIONS, FILL, FOOTING | х | BY GEOTECHNICAL ENGINEER |
| CONCRETE - BATCH PLANT INSPECTION | X | CONTINUOUS |
| CONCRETE - CONCRETE PLACEMENT | Х | PERIODIC |
| CONCRETE - REBAR PLACEMENT | X INSPECT FINAL PLACEMENT | |
| CONCRETE - ANCHOR BOLTS AND PLATES | X | INSPECT FINAL PLACEMENT |
| CONCRETE - EXPANSION ANCHORS | X | PERIODIC |
| CONCRETE - EPOXY | Х | PERIODIC |
| LIGHT GAGE STUD FRAMING; SHOP AND FIELD WELDING | X | CONTINUOUS |
| STRUCTURAL STEEL, SHOP WELDING - FILLET WELDS PENETRATION WELDS | Х | PERIODIC |
| STRUCTURAL STEEL, FIELD WELDING - PARTIAL OR FULL | Х | CONTINUOUS |



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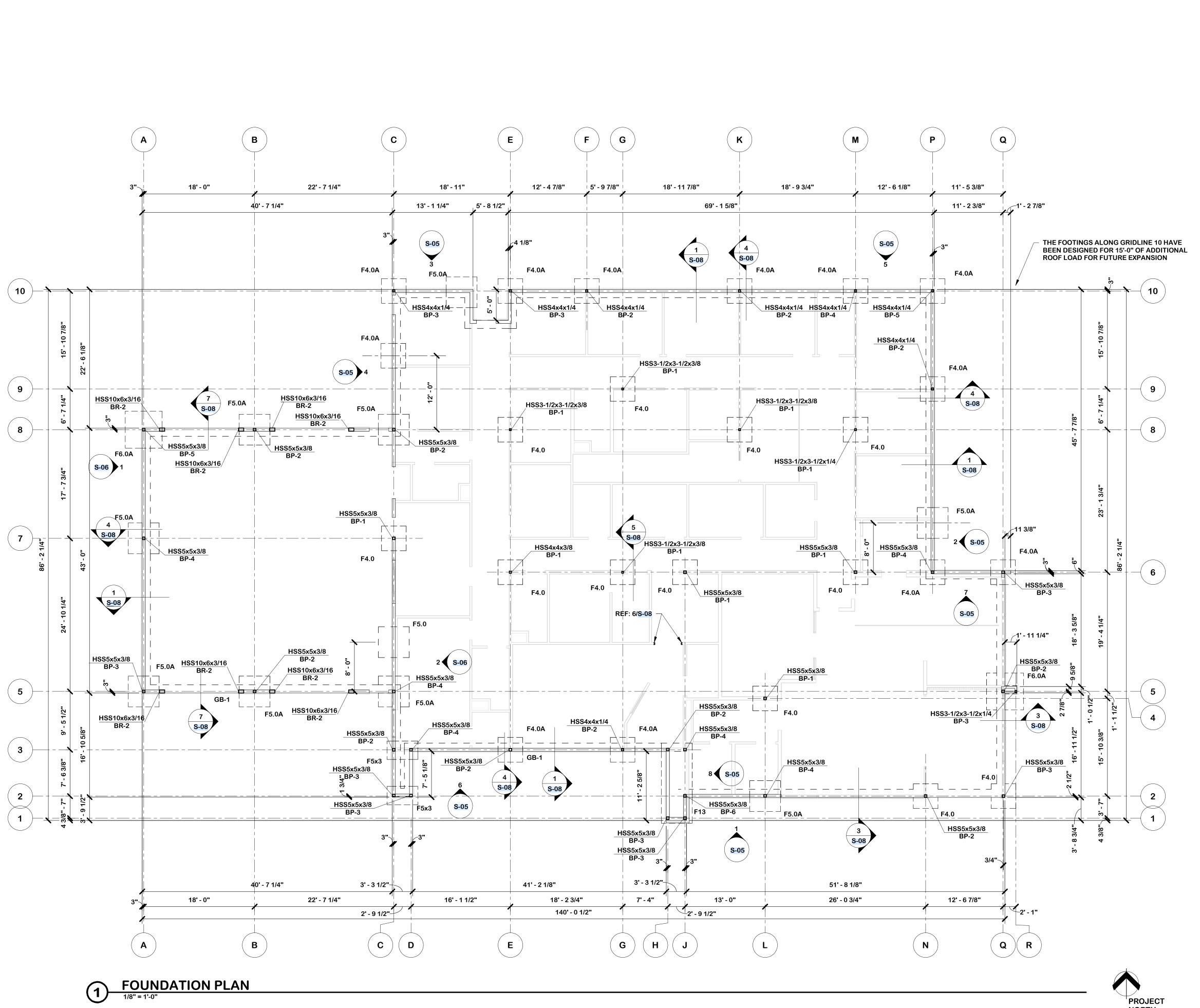
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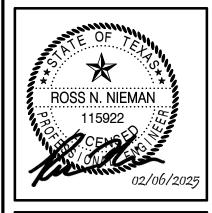
FOUNDATION NOTES

- 1. TOP OF CONCRETE SLAB ELEV = 100'-0", UNLESS NOTED OTHERWISE ON PLAN.
- 2. CONCRETE SLAB SHALL BE 5" THICK REINFORCED WITH #4 BARS AT 16" O.C. EACH WAY OVER 15 MIL VAPOR RETARDER.
- CONTRACTOR SHALL VERIFY ANY DIMENSIONS SHOWN WITH ARCHITECTURAL
- 4. FOR FOOTING EXCAVATION AND SOIL PREPARATION REQUIREMENTS SEE S-01.
- 5. LOCATE FLOOR SINKS, FLOOR DRAINS AND DEPRESSED SLABS PER ARCHITECTURAL AND PLUMBING DRAWINGS. LOCATE RECESSED ELECTRICAL PER ELECTRICAL DRAWINGS
- 6. FOR OPENING SIZES IN EXTERIOR WALLS SEE ARCH'L DRAWINGS.
- FOR SIDEWALK LOCATIONS, SEE ARCHITECTURAL AND CIVIL DRAWINGS.
- 8. CONTRACTOR SHALL PROVIDE CONTROL JOINTS (C.J.) IN THE SLAB PER DETAIL
 - INDICATES 6"x18 GAUGE 600S162-43 @ 16" O.C. METAL STUD WALL.
- 10. FOR TYPICAL PIPE PASSING BELOW FOOTING SEE DETAIL 2/S-07.
- 11. F4.5,... AS SHOWN ON PLANS INDICATES PAD & SPOT FOOTING. SEE FOOTING SCHEDULE THIS SHEET.
- 2. ALL RE-ENTRANT CORNERS TO HAVE #3x3'-0" AT 45° TO MAIN REINFORCING. SEE DETAIL 8/S-07.
- 13. SEE SHEET S-05 AND S-06 FOR BRACED FRAME ELEVATIONS.

| GRADE BEAM (GB) SCHEDULE | | | |
|---------------------------------|-------|--------|---|
| MARK | WIDTH | DEPTH | REINFORCING |
| GB-1 | 1'-4" | 1'-10" | (2) #5 TOP & BOTTOM W/ #3 STIRRUPS AT 24" O.C. |

| FOOTING (F) SCHEDULE | | | | | |
|----------------------|-----------------|--------|--|--|--|
| MARK | SIZE | DEPTH | REINFORCING | | |
| F4.0 | 4'-0" x 4'-0" | 1'-10" | (6) #5 BARS EACH WAY TOP AND BOTTOM | | |
| F4.0A | 4'-0" x 4'-0" A | 1'-4" | (5) #5 BARS EACH WAY TOP AND BOTTOM | | |
| F5.0 | 5'-0" x 5'-0" | 1'-10" | (6) #5 BARS EACH WAY TOP AND BOTTOM | | |
| F5.0A | 5'-0" x 5'-0" A | 1'-4" | (6) #5 BARS EACH WAY TOP AND BOTTOM | | |
| F5x3 | 5'-0" x 3'-0" | 1'-4" | #5 BARS AT 6" O.C. EACH WAY TOP AND BOTTOM | | |
| F6.0A | 6'-0" x 6'-0" A | 1'-4" | (6) #5 BARS EACH WAY TOP AND BOTTOM | | |
| F13 | 13'-0"x5'-0" | 1'-4" | #5 BARS AT 6" O.C. EACH WAY TOP AND BOTTOM | | |





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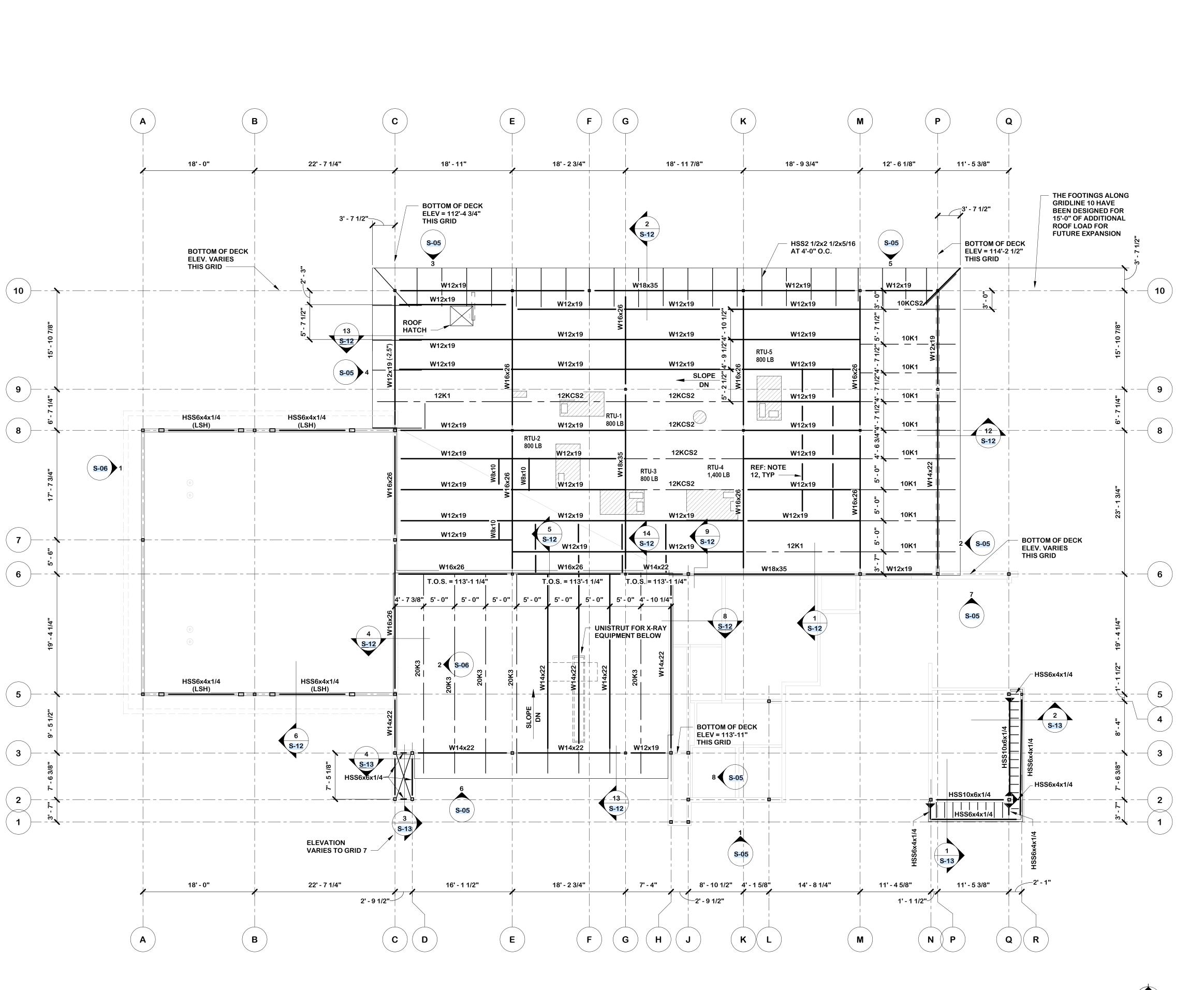
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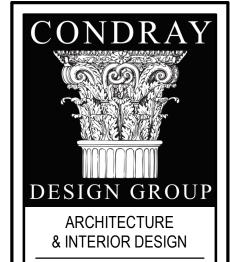
ROOF FRAMING PLAN

FRAMING NOTES

- 1. VERIFY ANY DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS.
- 2. STRUCTURAL STEEL FRAMING FABRICATION AND ERECTION SHALL CONFORM TO OSHA REQUIREMENTS, PROVIDE ERECTION BOLTS, HOLES FOR GUYING CABLES, ETC. AS REQUIRED.
- FRAME AROUND OPENING AND MECHANICAL UNITS PER DETAILS ON SHEET S-09. MECHANICAL UNITS ARE SHOWN SCHEMATICALLY (DUCT PENETRATIONS, UNIT SIZE, ORIENTATION, ... ETC.). SPECIFIC UNITS SHALL BE PURCHASED, BASED ON MECHANICAL SPECIFICATION, SUBSEQUENT TO SUBMITTAL CONSTRUCTION DOCUMENTS. VERIFICATION THAT SPECIFIC MECHANICAL UNIT SIZE, WEIGHT AND LOCATION CONFORMS TO THE SCHEMATIC INFORMATION SHOWN IS THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATION OF MECHANICAL UNIT SIZE, WEIGHT AND LOCATION WITH ALL TRADE IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INDICATING MECHANICAL UNIT SIZE, WEIGHT, LOCATION AND DUCT PENETRATION PRIOR TO SUBMITTAL OF STEEL JOISTS.
- 4. ALL ROOF OPENINGS MAY NOT BE SHOWN ON THE FRAMING PLAN. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. FOR FRAMING AT OPENINGS SEE DETAILS ON SHEET S-10.
- 5. WITH USE OF SPREADER BAR, ACOUSTICAL DROP-IN CEILING MAY BE SUSPENDED FROM METAL ROOF DECK. OTHER CEILING, SOFFIT, UTILITIES, EQUIPMENTS,... ETC. SHALL BE SUSPENDED FROM ROOF MEMBERS AND NOT FROM METAL DECK.
- 6. T.O.S. INDICATES TOP OF STEEL BEAM ELEVATION, FOR OVERALL ROOF SLOPE AND DRAINAGE SCHEME, SEE ARCHITECTURAL ROOF PLAN. INTERPOLATE BETWEEN ELEVATIONS GIVEN TO ACHIEVE SLOPE PER ARCHITECTURAL ROOF PLAN.
- 7. STEEL JOIST SHALL BE CONNECTED TO THEIR SUPPORTS WITH ERECTION BOLTS (WELDS ARE NOT ALLOWED) IF EITHER OF THE FOLLOWING OCCUR:

 A. THE JOIST BEAR AT A STEEL COLUMN.

 B. THE JOIST SPAN IS 40 FEET OR MORE.
- INDICATES 6"x18 GAUGE 600S162-43 @ 16" O.C. METAL STUD WALL.
- INDICATES MOMENT CONNECTION, REF: DETAIL 3/S-09
- 10. JOIST BEARING ENDS TO BE 2 1/2" TYPICAL. (U.N.O.)
- 11. SEE SHEET <u>S-05</u> AND <u>S-06</u> FOR BRACED FRAME ELEVATIONS.
- 12. W8x10 SCREEN WALL SUPPORT.

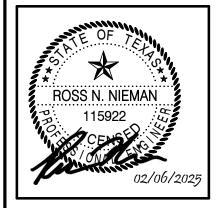


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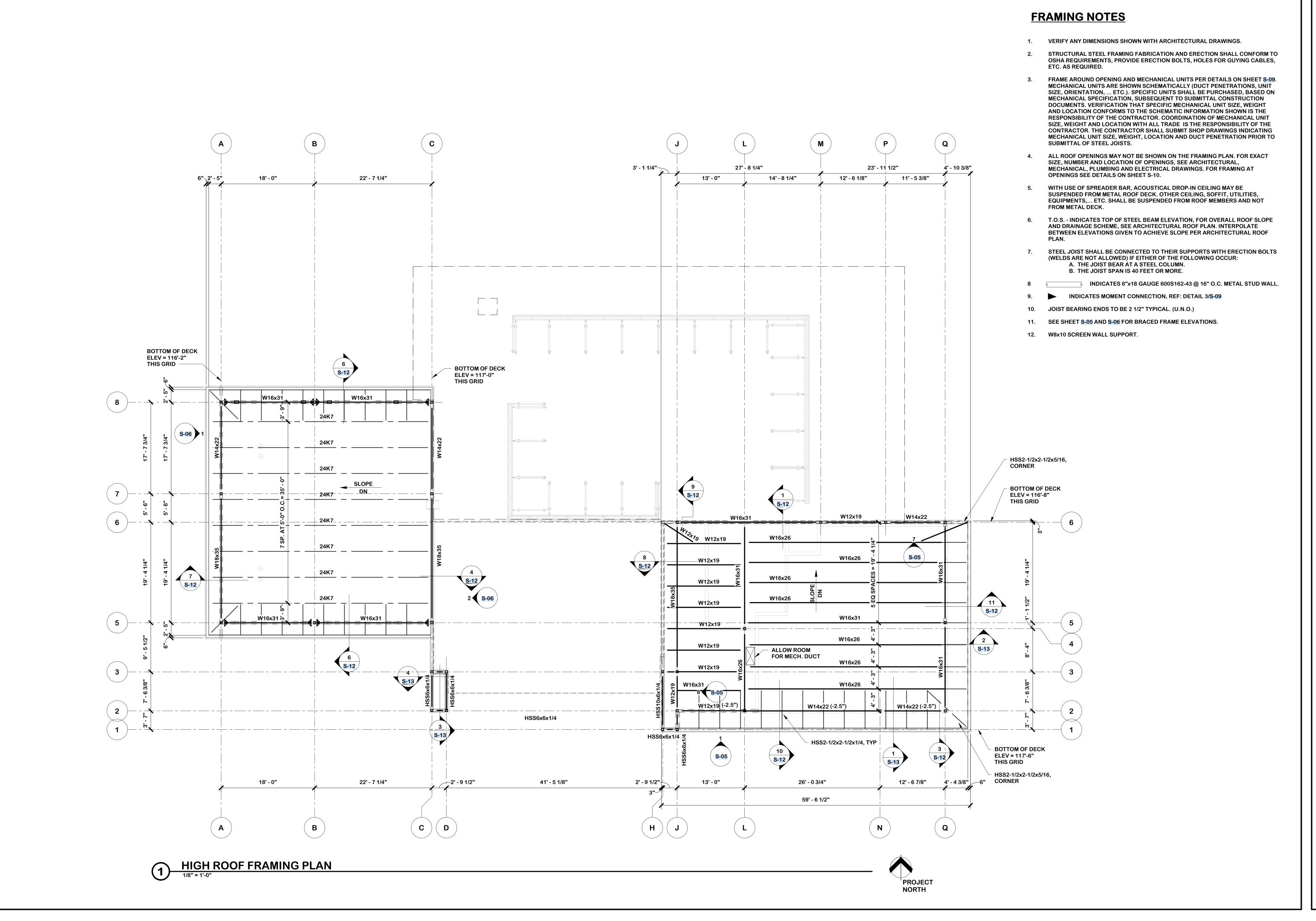
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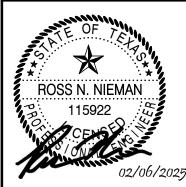
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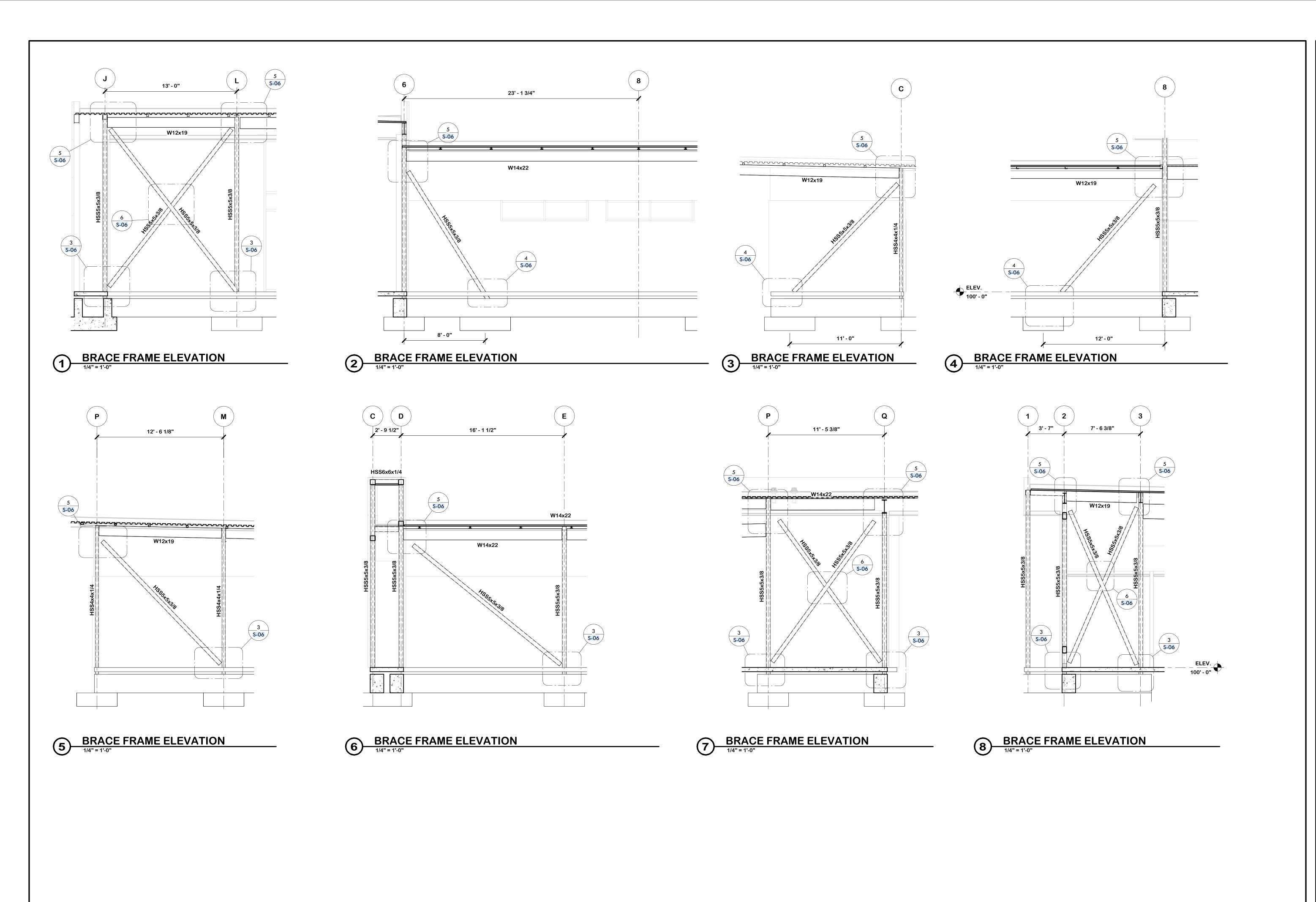


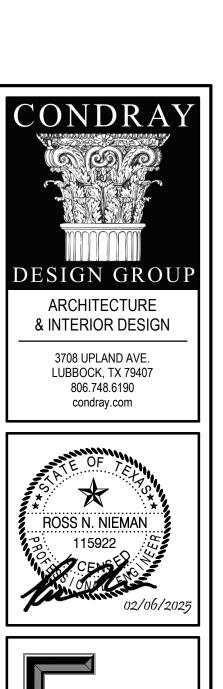
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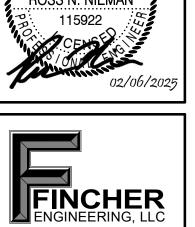
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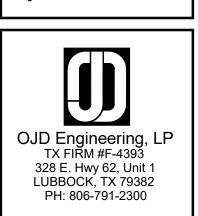
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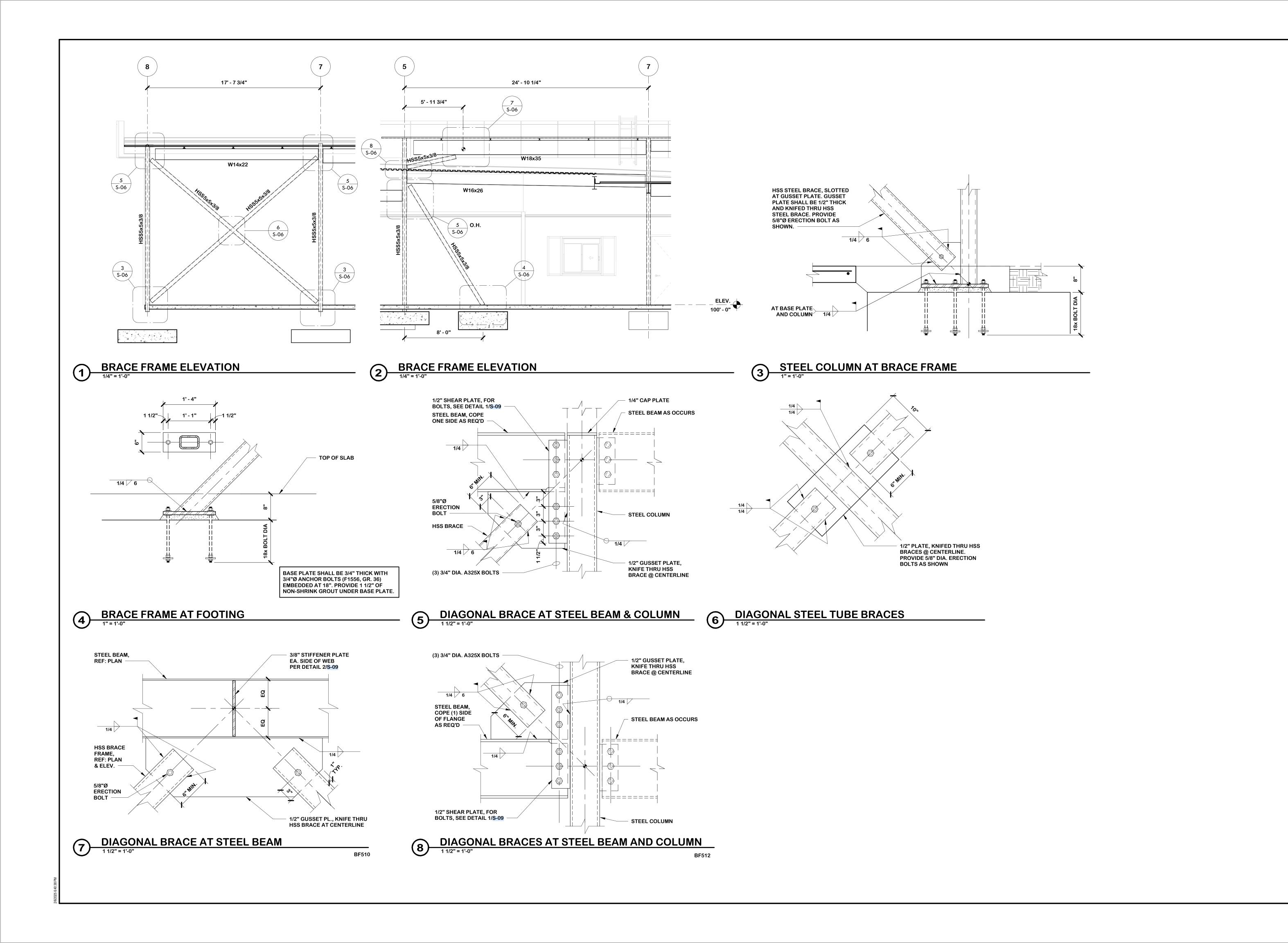
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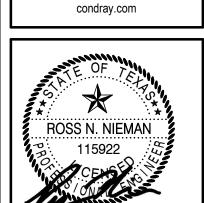
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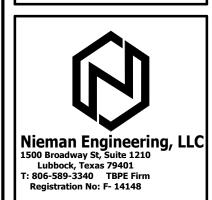
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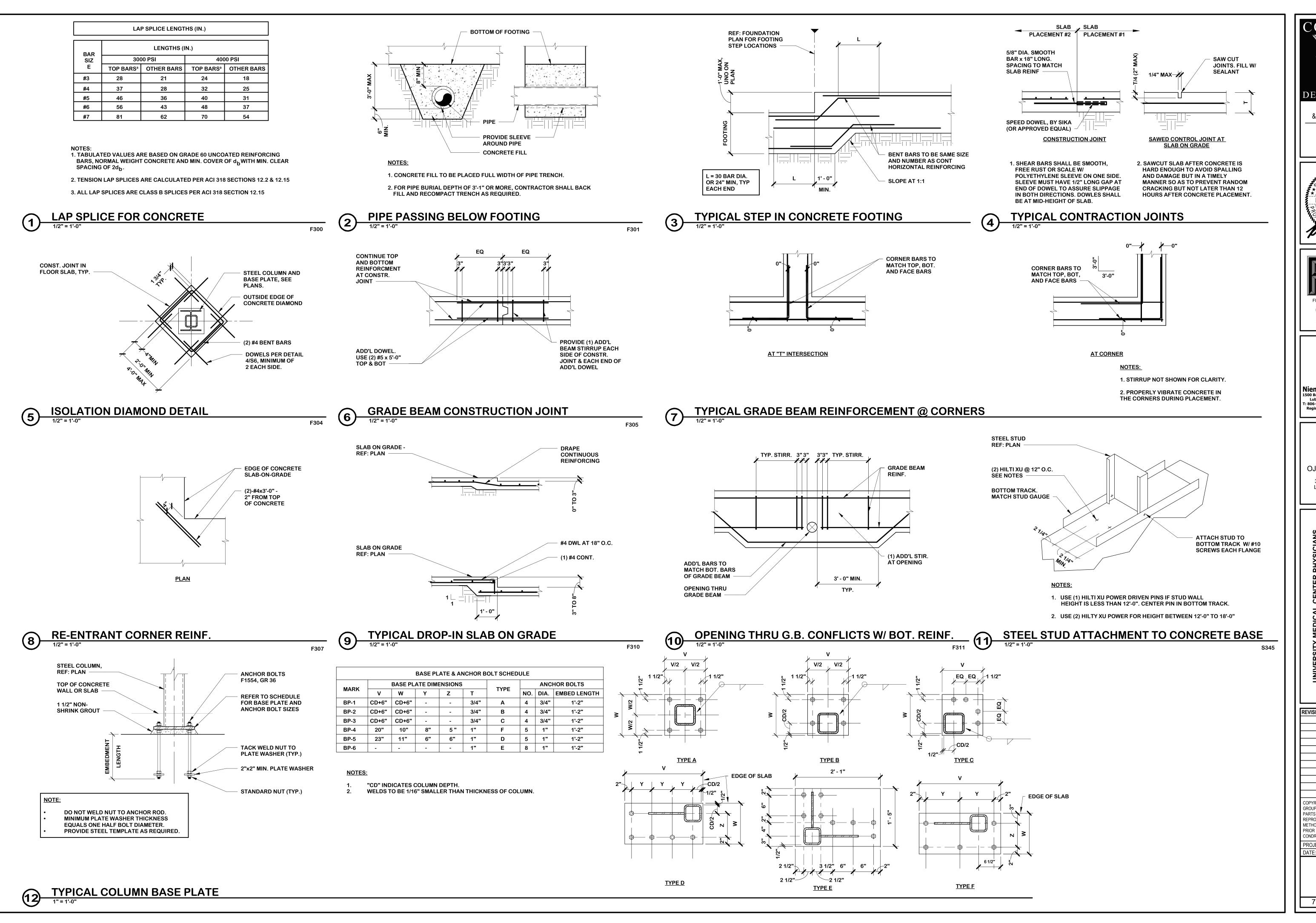
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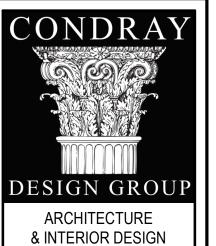
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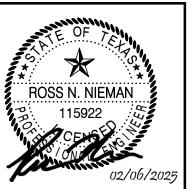


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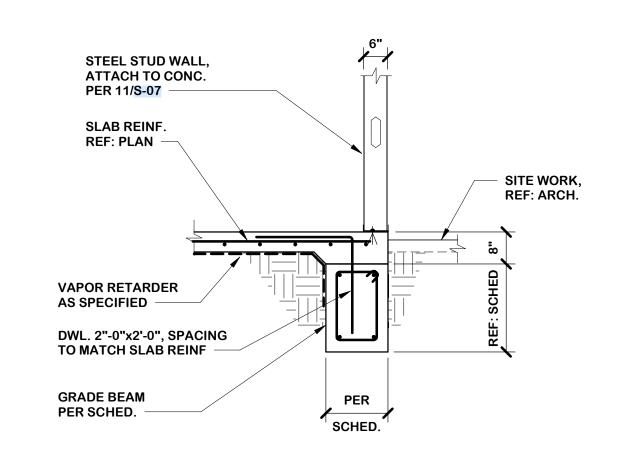
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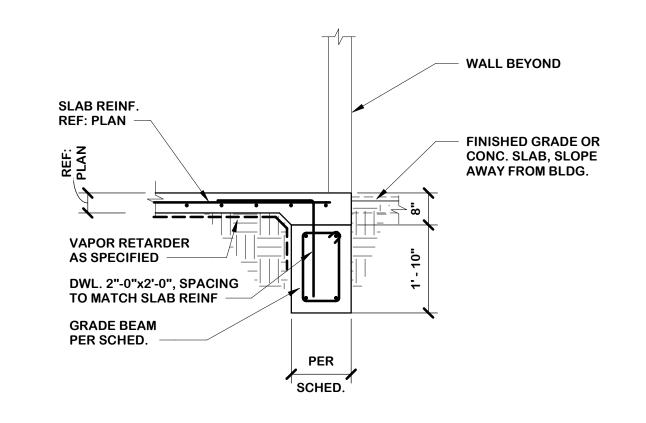
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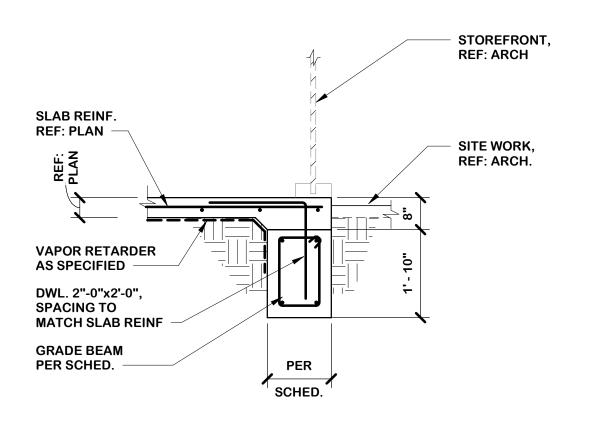
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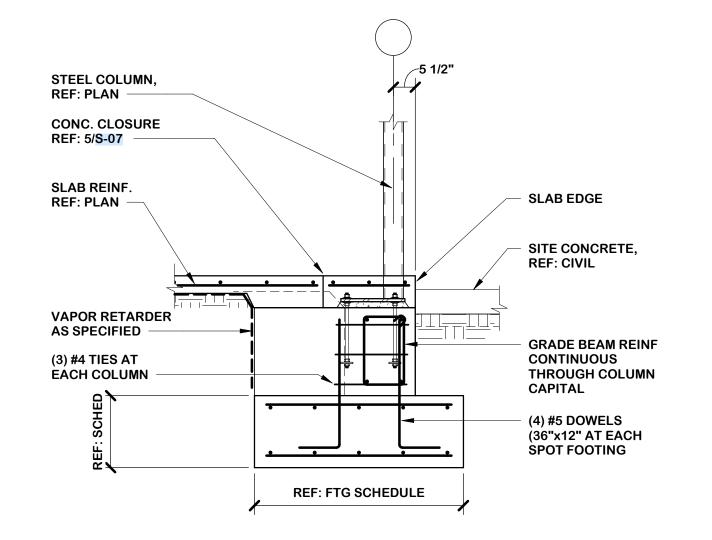
SHEET NO.

S-0/









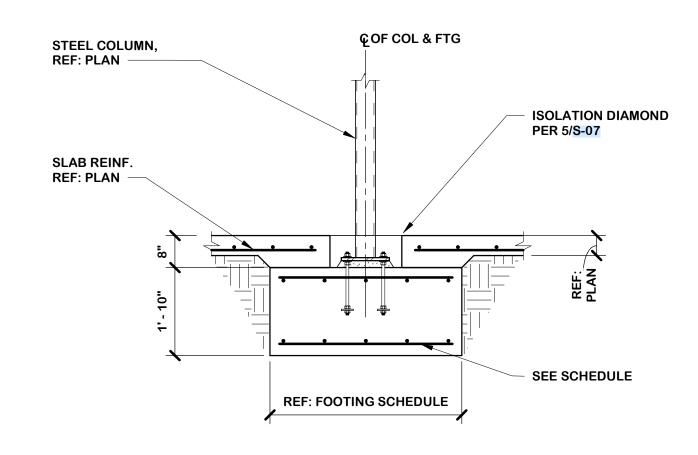


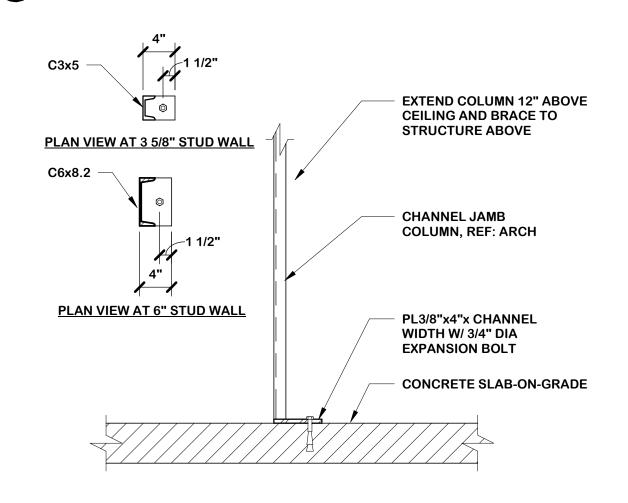


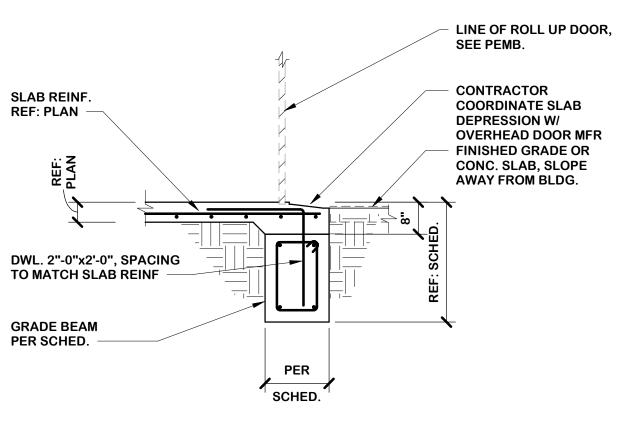
FOUNDATION AT STOREFRONT
1/2" = 1'-0"

STEEL COLUMN AT BUILDING EDGE

1/2" = 1'-0"





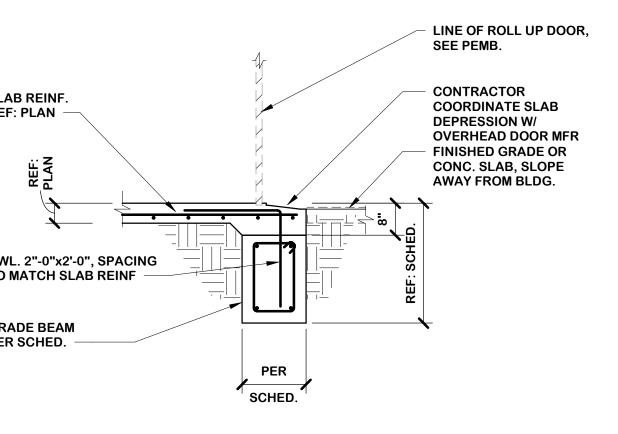


5 STEEL COLUMN AT INTERIOR FOOTING

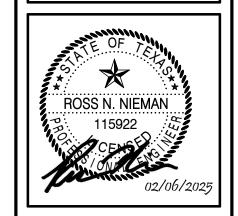
1/2" = 1'-0"



7 FOUNDATION AT OVERHEAD DOOR







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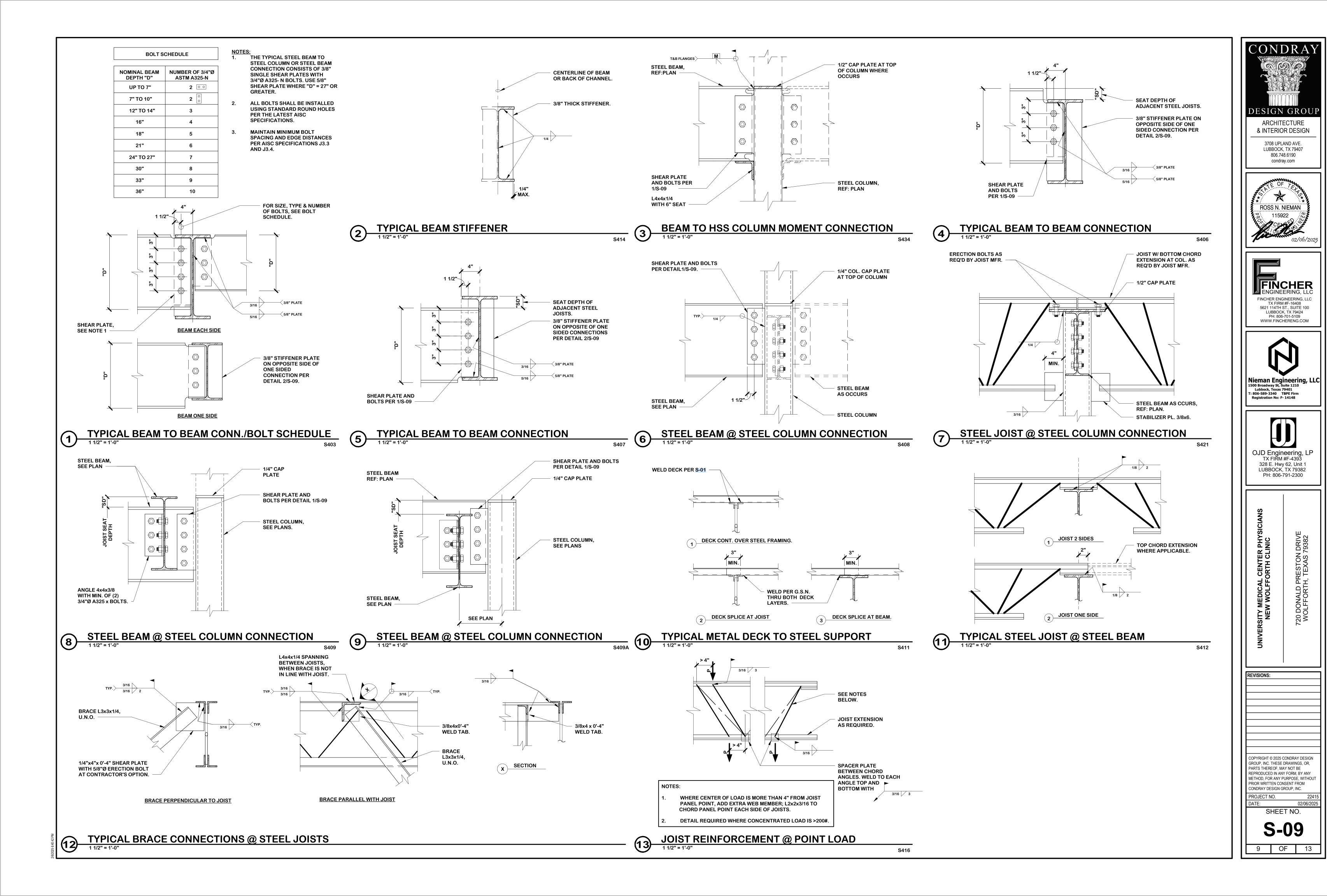


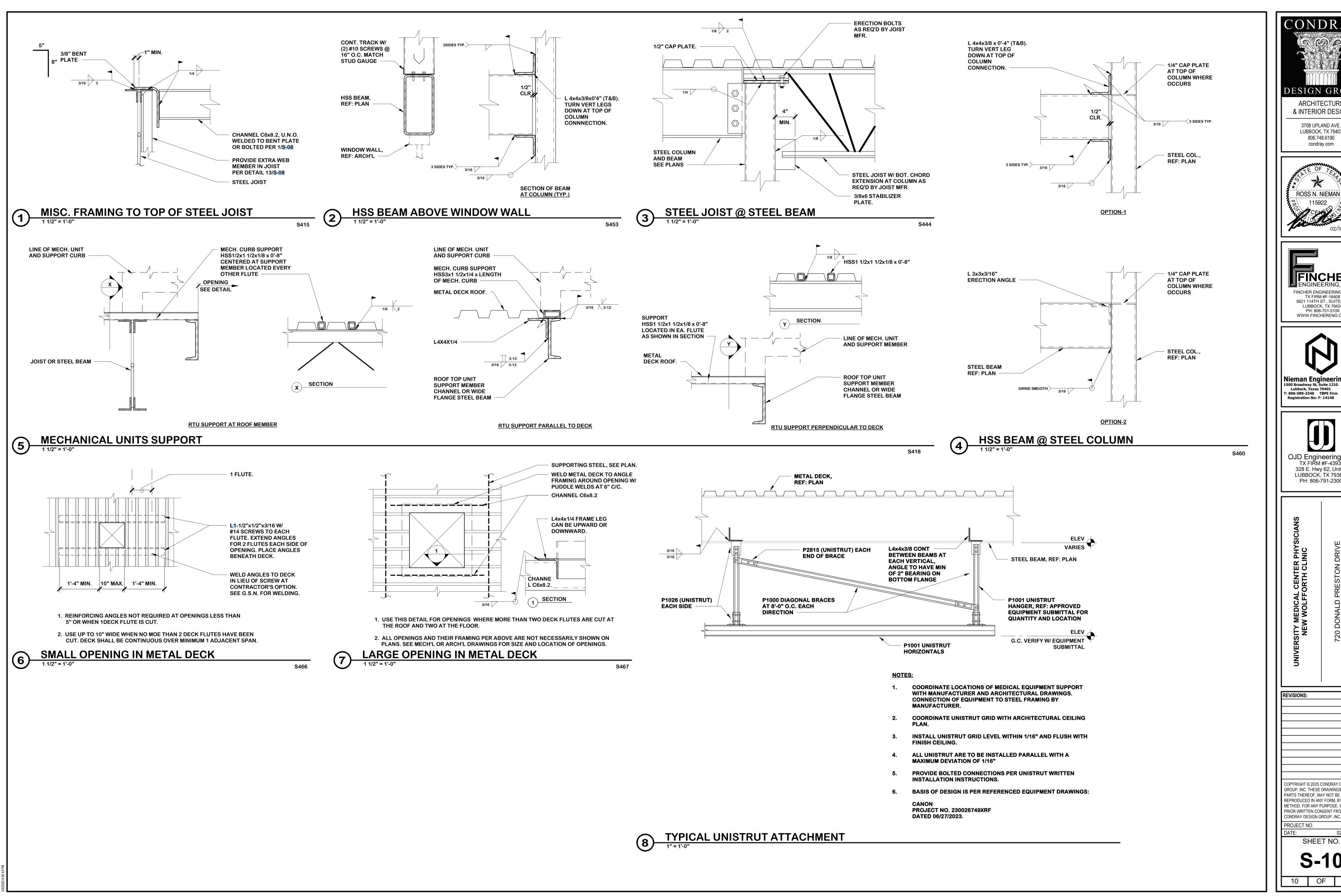


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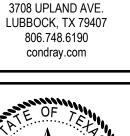
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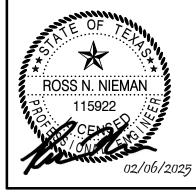
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DESIGN GROUI ARCHITECTURE & INTERIOR DESIGN







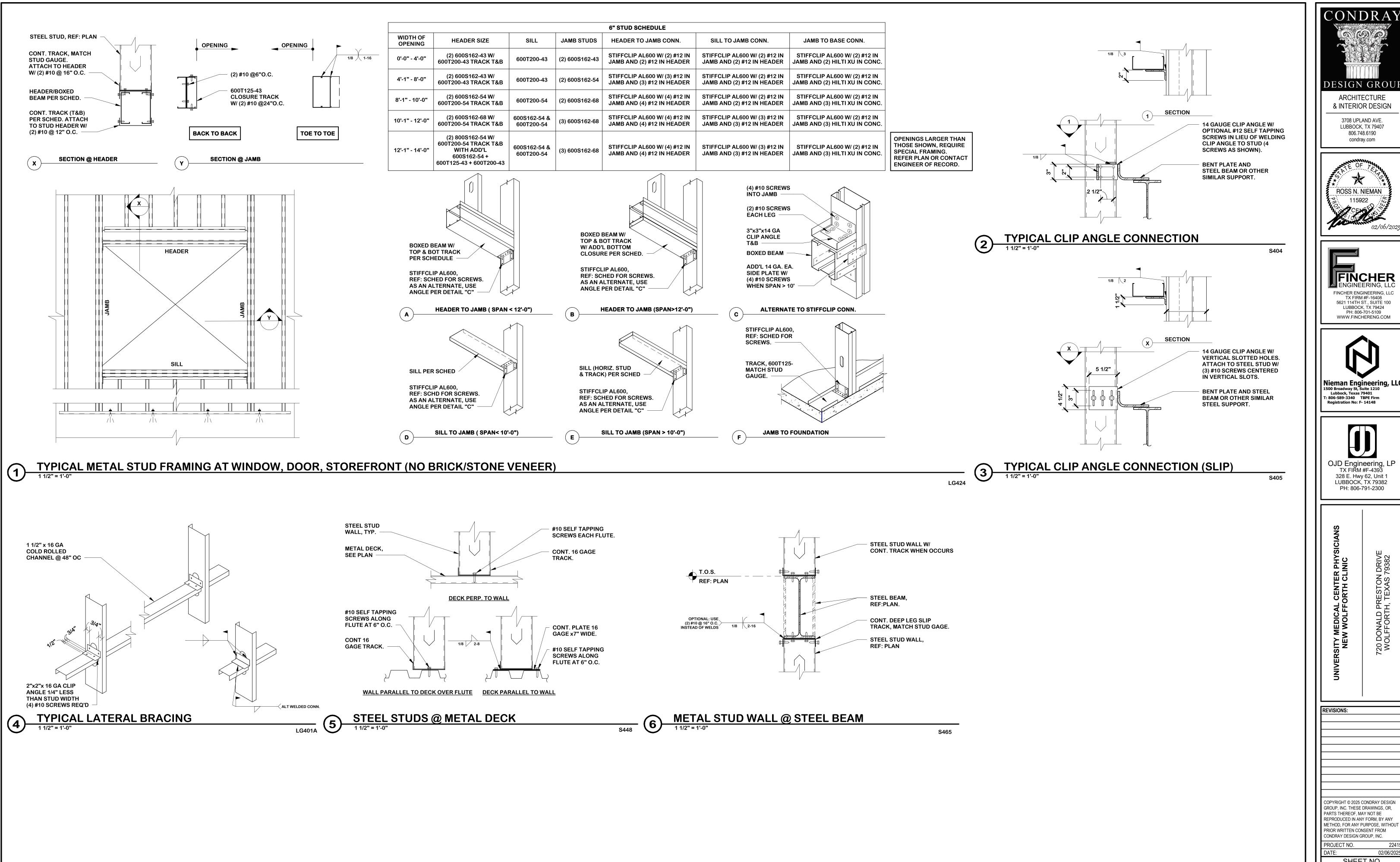


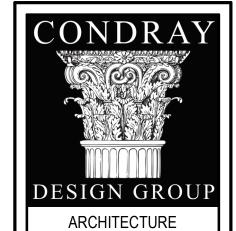


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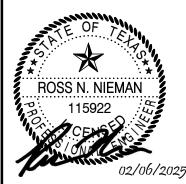
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02/06/202





& INTERIOR DESIGN 3708 UPLAND AVE. LUBBOCK, TX 79407 806.748.6190 condray.com









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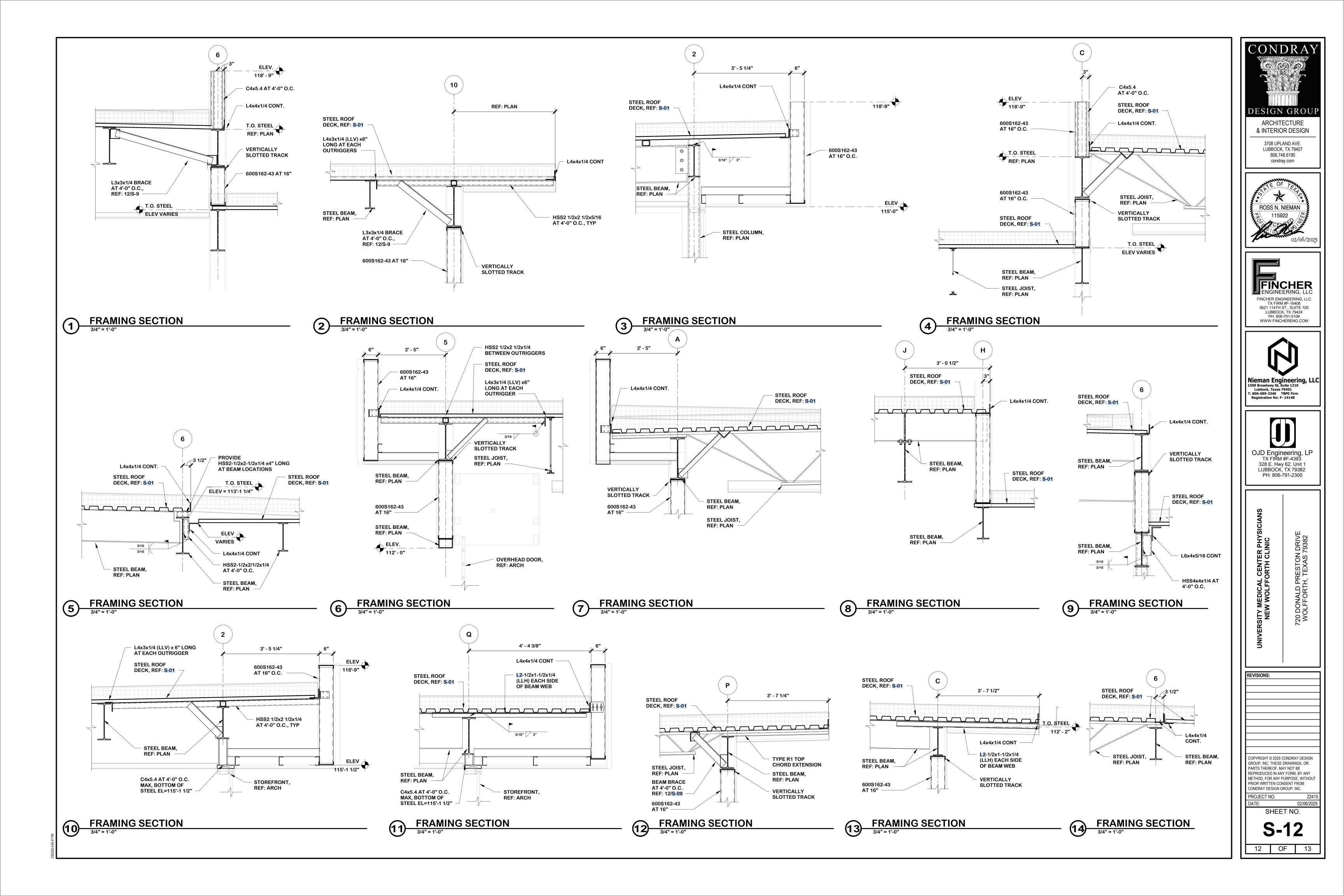
'20 DONALD PRESTON DRIVE WOLFFORTH, TEXAS 79382

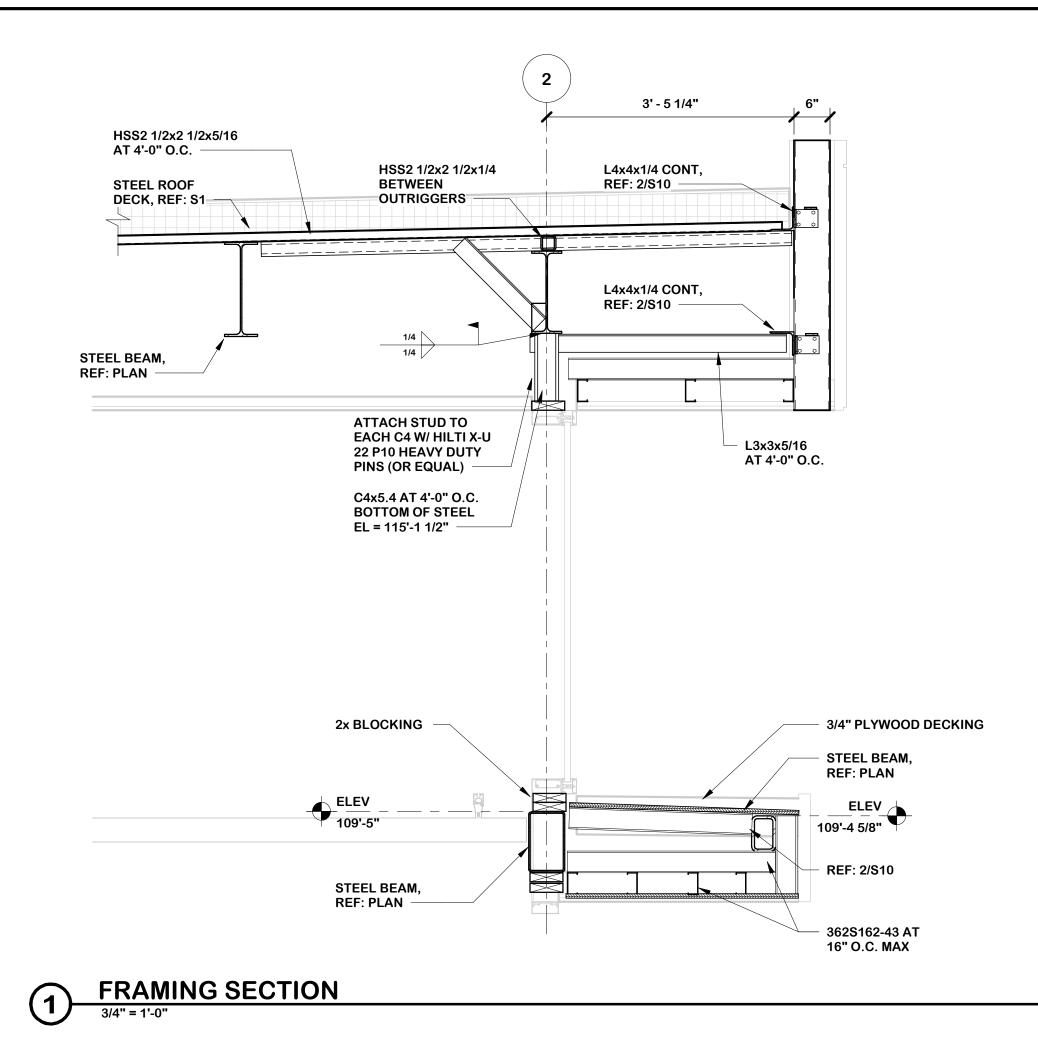
REVISIONS:

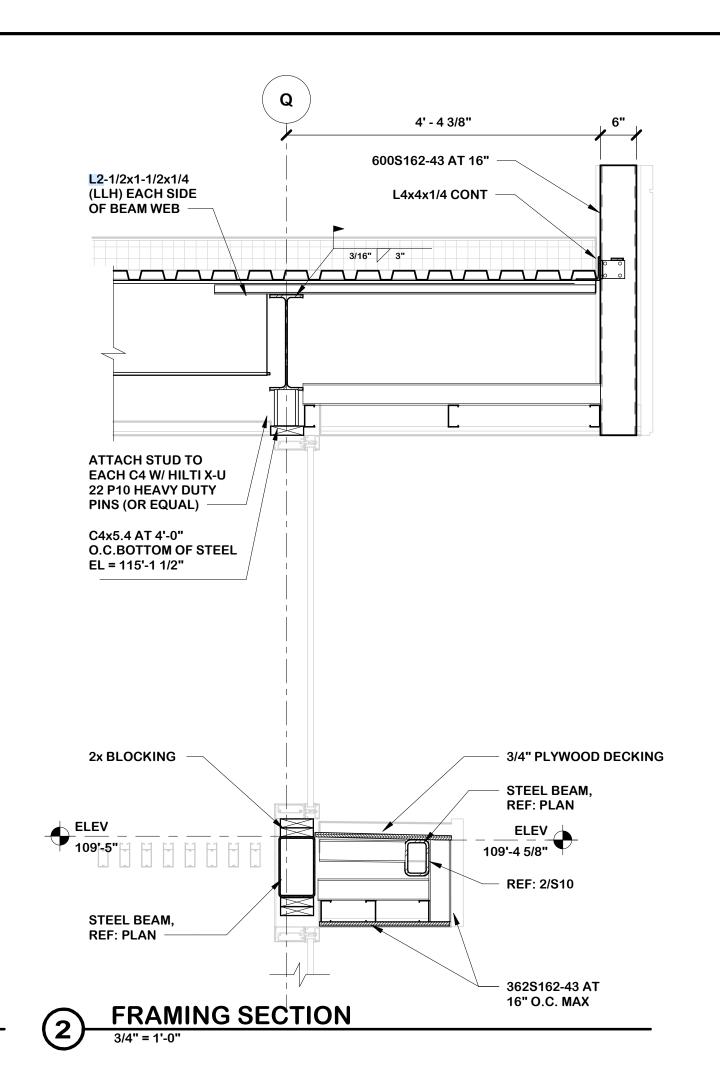
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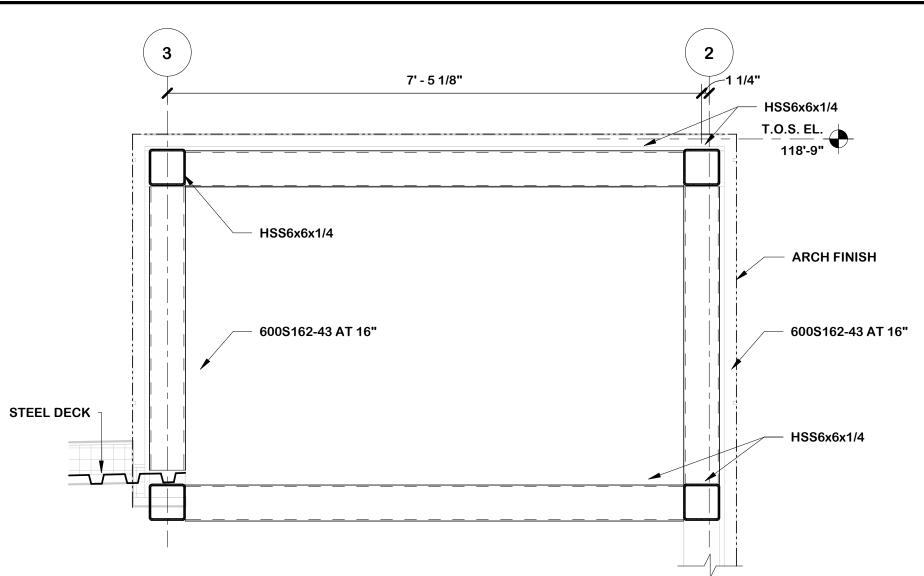
CONDRAY DESIGN GROUP, INC. PROJECT NO. SHEET NO.

02/06/202



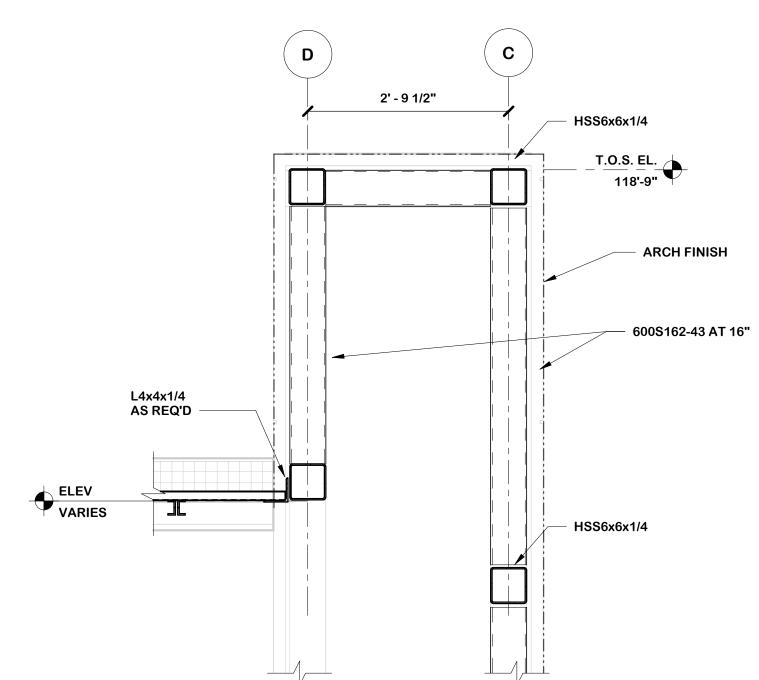




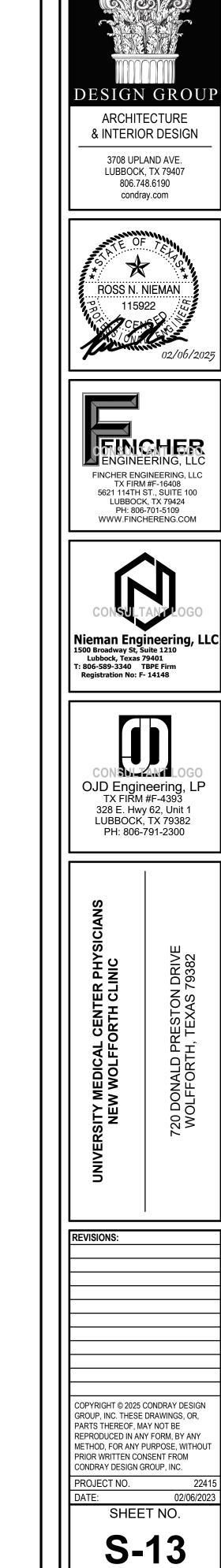


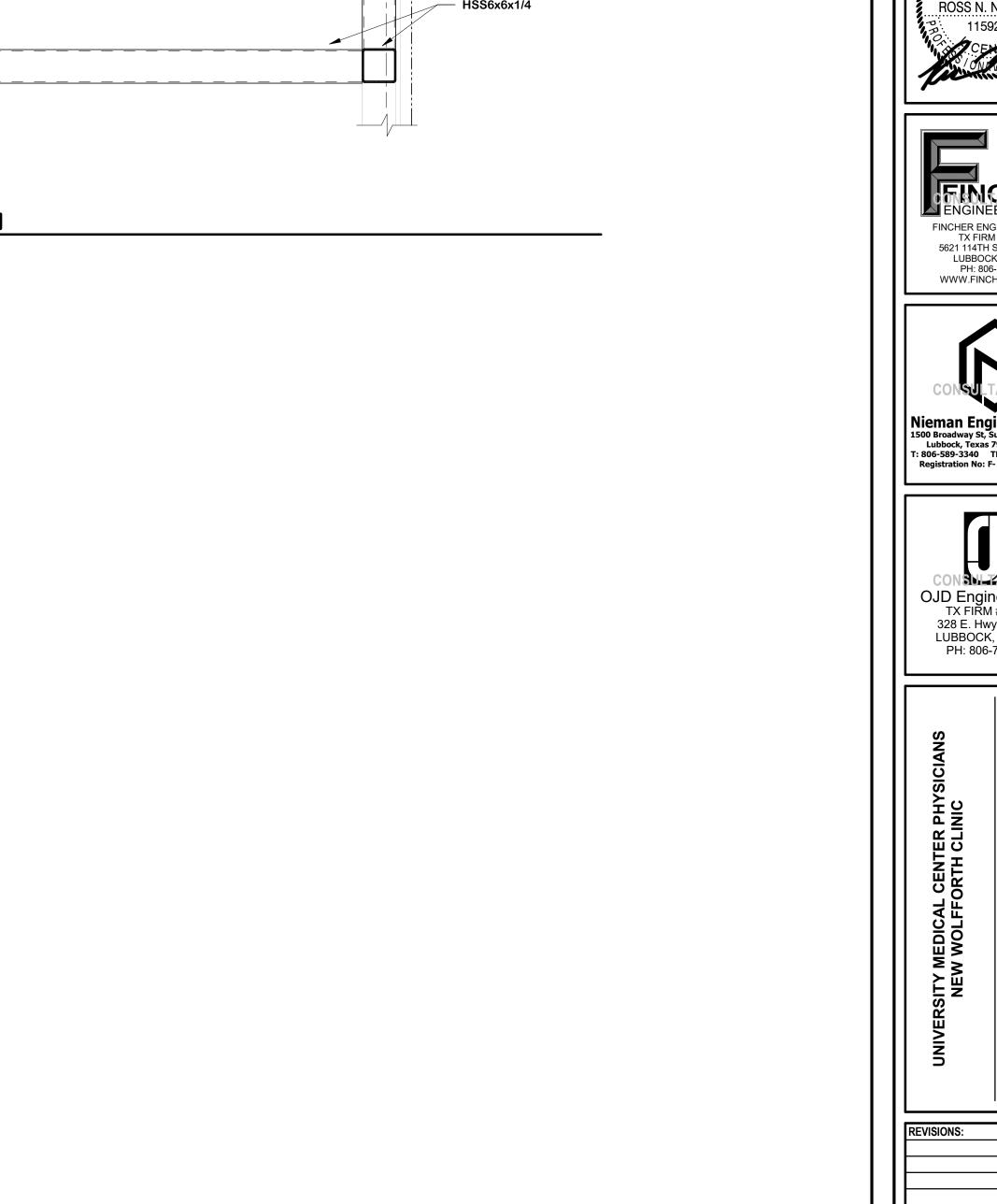
FRAMING SECTION

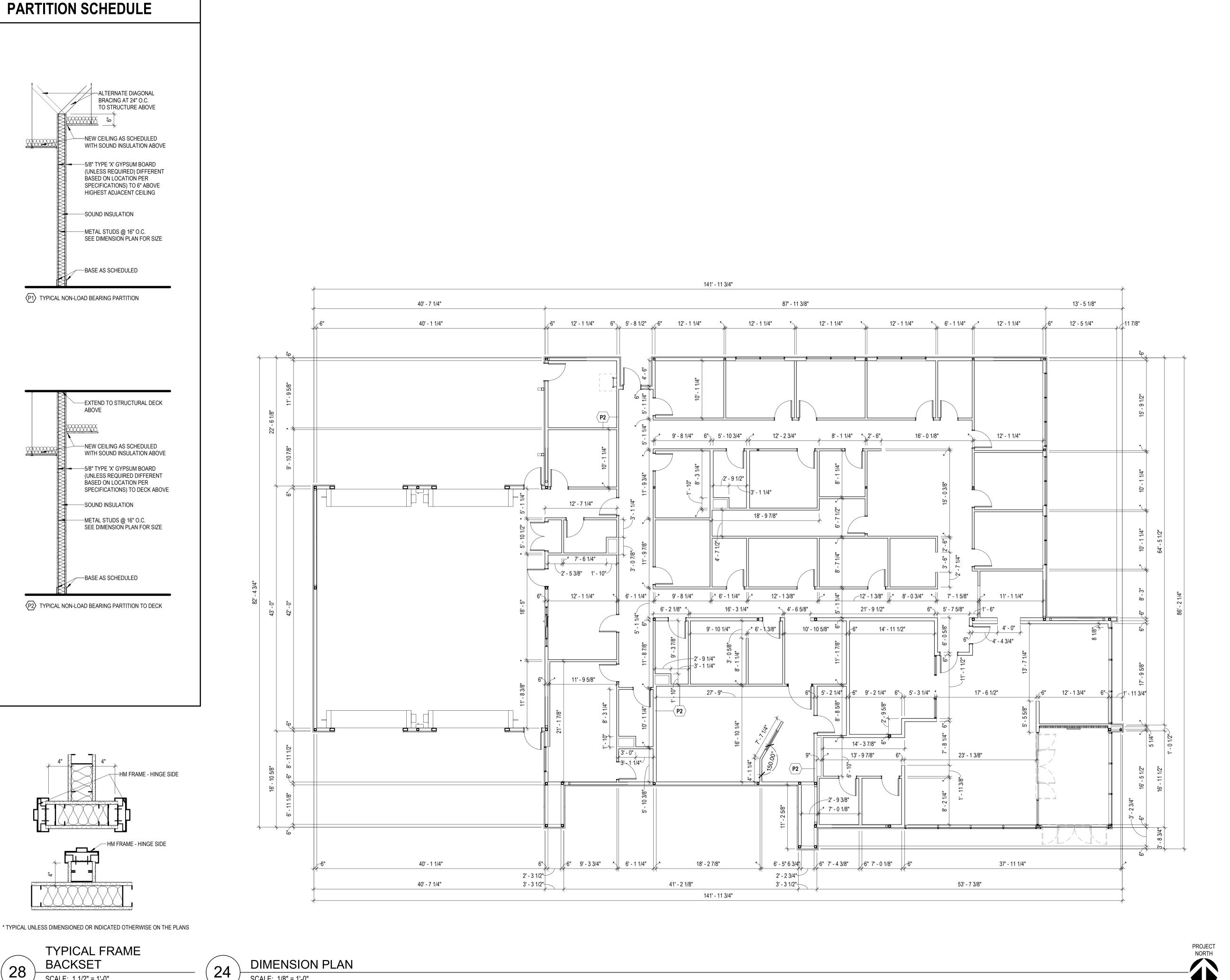
3/4" = 1'-0"











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

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

GENERAL NOTES

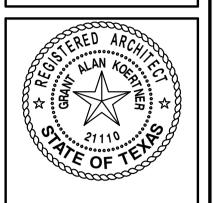
- 1. ALL DIMENSIONS ARE ACTUAL DIMENSIONS TO FACE OF METAL STUDS, OR FACE OF EXISTING WALL FINISH UNLESS NOTED OTHERWISE.
- 2. FIELD VERIFY ALL DIMENSIONS, NEW OR EXISTING, PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- 3. CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK WITH EQUIPMENT MANUFACTURER'S DIMENSIONAL REQUIREMENTS. THIS INCLUDES CONTRACTOR AND OWNER PROVIDED EQUIPMENT.
- 4. * = 3 5/8" MTL. STUDS @ 16" O.C.
- 5. THE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTANT DRAWINGS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION OR PERFORMANCE OF SAID WORK. ANY WORK PERFORMED IN CONFLICT WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 6. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE ACCESSIBILITY CODE REQUIREMENTS. THE CONTRACTOR SHALL BE AWARE OF ALL DIMENSIONALLY CRITICAL AREAS AND COMPLY WITH APPLICABLE STANDARDS. IF THERE ARE ANY DISCREPANCIES, THEY ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
- 7. AT ALL NEW FLOOR DRAIN LOCATIONS, THE SLAB IS TO BE RECESSED AND SLOPED FOR POSITIVE DRAINAGE. UNLESS NOTED OTHERWISE, SLOPE IS TO BE 1/8":1'-0" WITH A 1/4"-3/8" OVERALL RECESS. EXISTING SLABS ARE TO BE CHIPPED OUT TO ACCOMMODATE.
- 8. ALL WALLS TO BE PARTITION TYPE 'P1' UNLESS NOTED OTHERWISE.



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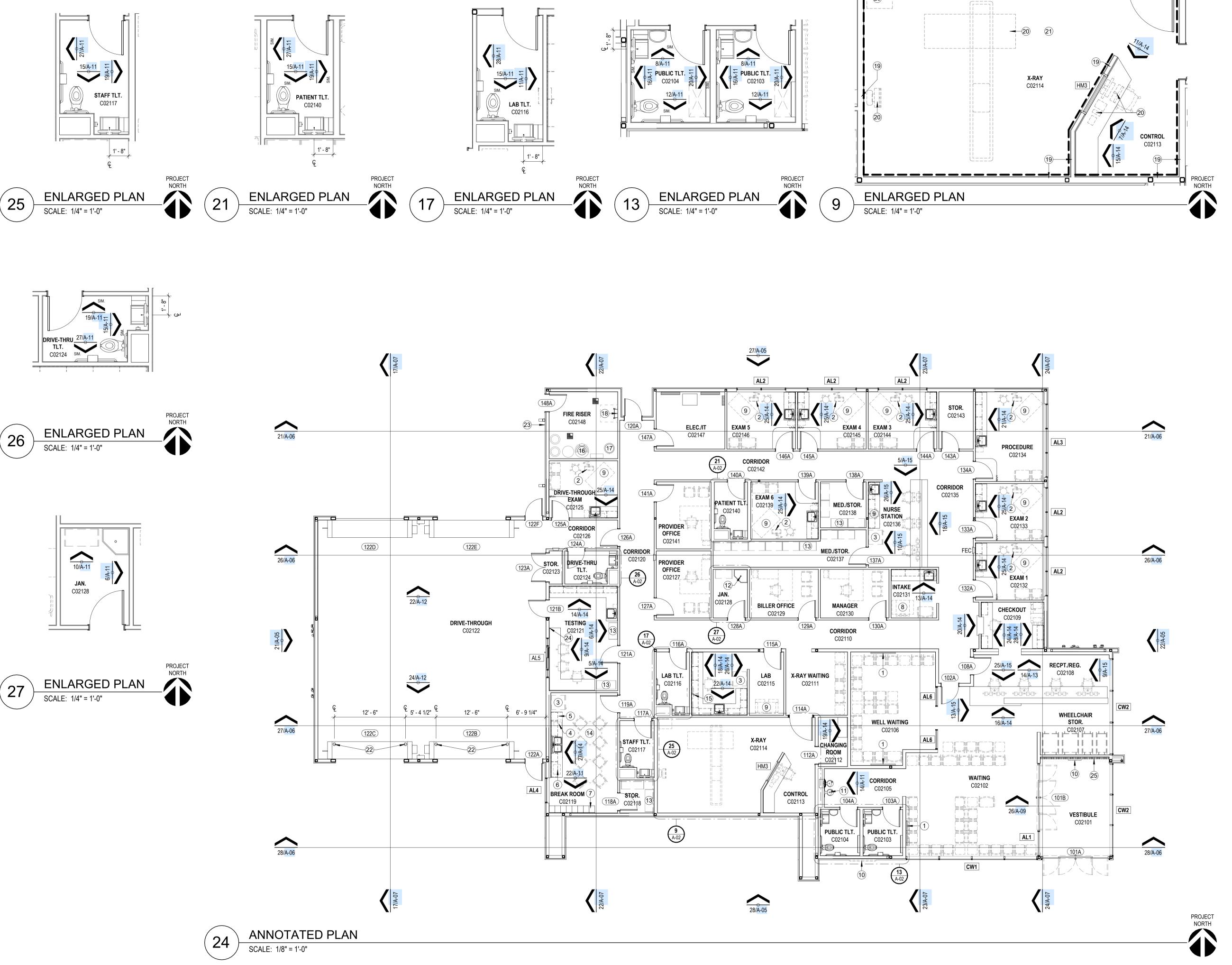
328 E. Hwy 62, Unit 1 LUBBOCK, TX 79382 PH: 806-791-2300



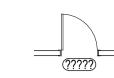
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PROJECT NO. SHEET NO.



LEGEND



NEW DOOR - REFER TO DOOR SCHEDULE

WINDOW DESIGNATION - REFER TO FRAME

NEW FIRE EXTINGUISHER AND CABINET AS SPECIFIED

SCHEDULE

GENERAL NOTES

- 1. THE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE ABOVE MENTIONED DRAWINGS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. ANY WORK PERFORMED IN CONFLICT WITH THE DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 2. REFER TO INTERIORS SHEETS FOR ROOM FINISH SCHEDULE. 3. ALL NEW WALLS TO RECEIVE FULL BATT INSULATION FROM FLOOR TO FULL HEIGHT OF THE WALL, INCLUDING ABOVE CEILING.
- 4. ALL GYPSUM BOARD IN TOILET ROOMS IS TO BE MOISTURE RESISTANT WHERE PAINTED AND TILE BACKER BOARD, BEHIND
- 5. FURNITURE SHOWN IS FOR REFERENCE ONLY.
- 6. AT ALL NEW FLOOR DRAIN LOCATIONS, THE SLAB IS TO BE RECESSED AND SLOPED FOR POSITIVE DRAINAGE. UNLESS NOTED OTHERWISE, SLOPE IS TO BE 1/8":1'-0" WITH A 1/2" OVERALL
- 7. CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK WITH EQUIPMENT MANUFACTURER'S DIMENSIONAL REQUIREMENTS. THIS INCLUDES CONTRACTOR AND OWNER PROVIDED EQUIPMENT
- 8. CONTRACTOR SHALL PROVIDE ONE ROOM IDENTIFICATION SIGN FOR EACH INTERIOR DOOR ON THE PROJECT. SIGN DESIGN SHALL BE AS SPECIFIED AND SCHEDULED.

KEYED NOTES

DESIGNATED BY: - #

1). WALL-MOUNTED FLAT SCREEN T.V. OR MONITOR - OWNER FURNISHED, CONTRACTOR INSTALLED, INSTALL MIN. 24"X24" AREA OF 3/4" PLYWOOD BLOCKING IN WALL CENTERED AT 8'-6" A.F.F.

2). INSTALL 36" HIGH BY 16" WIDE SECTION OF 3/4" IN-WALL BLOCKING STARTING AT 36" A.F.F. FOR WALL MOUNTED BRACKET FOR COMPUTER AND MONITOR TO BE PROVIDED AND INSTALLED BY

OTHERS. CENTER ON WALL. 3). REFRIGERATOR - OWNER FURNISHED, CONTRACTOR INSTALLED.

4). COUNTER TOP COFFEE MAKER - OWNER FURNISHED, CONTRACTOR INSTALLED.

5). COUNTER TOP ICE MAKER - OWNER FURNISHED, CONTRACTOR INSTALLED.

6). COUNTER TOP MICROWAVE - OWNER FURNISHED, CONTRACTOR INSTALLED.

7). 15" DEEP X 12" WIDE METAL LOCKERS AS SPECIFIED - CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.

8). WEIGH STATION - OWNER FURNISHED, OWNER INSTALLED.

9). EQUIPMENT - OWNER FURNISHED, OWNER INSTALLED.

10). BUILDING SIGNAGE BY OTHERS. 11). ACCESSIBLE DRINKING FOUNTAINS WITH BOTTLE FILLER AS

SPECIFIED. REFER TO PLUMBING FOR MORE INFORMATION. 12). MOP SINK, REFER TO INTERIOR ELEVATIONS 6/A-11 AND 10/A-11.

13). SHELVING - OWNER FURNISHED, OWNER INSTALLED.

14). FURNITURE SHOWN FOR REFERENCE ONLY.

15). SPECIMEN PASS-THROUGH, REFER TO ELEVATION 11/A-11. 16). WATER HEATER, REFER TO MPE FOR MORE INFORMATION. 17). WATER SOFTENER SYSTEM, REFER TO MPE FOR MORE

INFORMATION. 18). ROOF ACCESS LADDER AND HATCH - REFER TO DETAIL 26/A-04. 19). PROVIDE 18" X 18" AREA OF 2X8 WOOD BLOCKING CENTERED AT 87" A.F.F. TO CENTER LINE. CONFIRM EXACT LOCATION WITH VENDOR

DRAWINGS AND ARCHITECT. 20). X-RAY EQUIPMENT BY OTHERS.

21). ALL WALLS IN THIS ROOM TO BE INSTALLED WITH LEAD-LINED

GYPSUM BOARD. WEST WALL TO BE 1/8" THICK. ALL OTHER WALLS ARE TO BE 1/16" THICK. DOORS ARE TO BE 1/32" THICK. WRAP THE BACKS OF ALL IN-WALL BOXES AND DEVICES FOR COMPLETE AND CONTINUOUS SHIELDING.

22). PAINTED STEEL BOLLARD - REFER TO DETAIL 12/SP-02.

23). ALUMINUM KNOX BOX MODEL 3263 KEYED TO WOLFFORTH FD SPECS. CONFIRM LOCATION WITH FIRE MARSHAL.

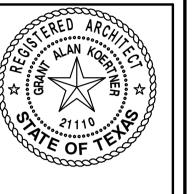
24). INSTALL SECONDARY REMOTE CONTROLS FOR OVERHEAD DOOR AT THIS LOCATION.

25). LINK & LOCK ALUMINUM BATTEN SYSTEM. 4" x 1-5/8" BATTENS SPACED TO MATCH DAUNTLESS CEILING LAYOUT. INSTALL FROM 6" A.F.F. TO BOTTOM OF CEILING SYSTEM. INSTALL 1/2" PLYWOOD BEHIND GYPSUM BOARD ON THIS ENTIRE WALL FOR INSTALLATION OF BATTENS.

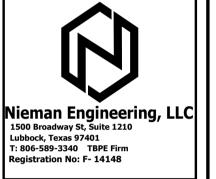


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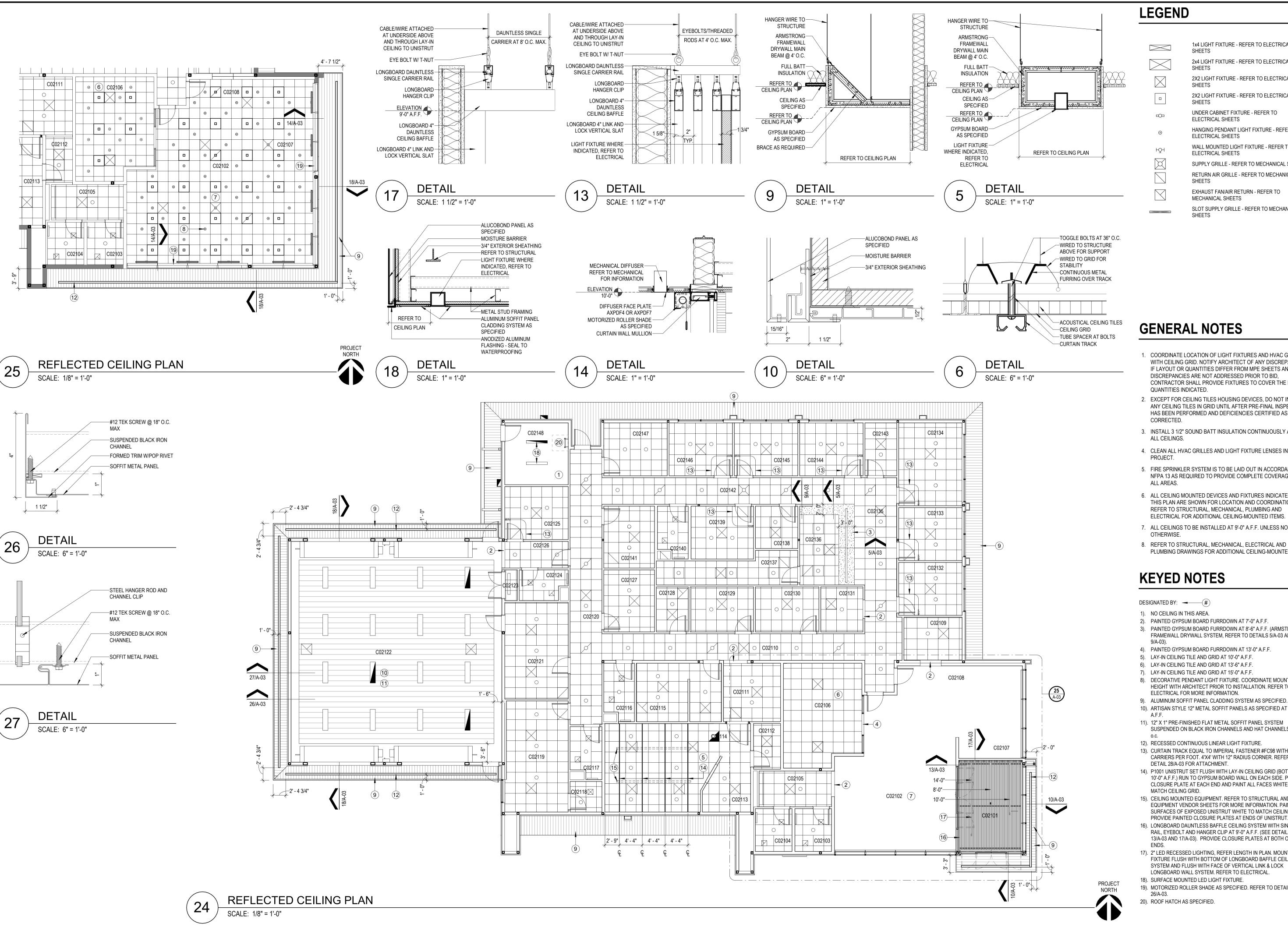
LANDSCAPE DE COMPANY DESIGN & PROJECT IMPLEMENTATIO

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SHEET NO.



LEGEND

1x4 LIGHT FIXTURE - REFER TO ELECTRICAL SHEETS 2x4 LIGHT FIXTURE - REFER TO ELECTRICAL 2X2 LIGHT FIXTURE - REFER TO ELECTRICAL 2X2 LIGHT FIXTURE - REFER TO ELECTRICAL SHEETS UNDER CABINET FIXTURE - REFER TO ELECTRICAL SHEETS HANGING PENDANT LIGHT FIXTURE - REFER TO ELECTRICAL SHEETS

WALL MOUNTED LIGHT FIXTURE - REFER TO ELECTRICAL SHEETS SUPPLY GRILLE - REFER TO MECHANICAL SHEETS

RETURN AIR GRILLE - REFER TO MECHANICAL

SHEETS EXHAUST FAN/AIR RETURN - REFER TO

MECHANICAL SHEETS

SLOT SUPPLY GRILLE - REFER TO MECHANICAL SHEETS

GENERAL NOTES

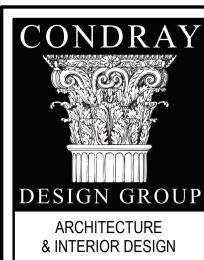
- 1. COORDINATE LOCATION OF LIGHT FIXTURES AND HVAC GRILLES WITH CEILING GRID. NOTIFY ARCHITECT OF ANY DISCREPANCIES. IF LAYOUT OR QUANTITIES DIFFER FROM MPE SHEETS AND DISCREPANCIES ARE NOT ADDRESSED PRIOR TO BID, CONTRACTOR SHALL PROVIDE FIXTURES TO COVER THE LARGER QUANTITIES INDICATED.
- 2. EXCEPT FOR CEILING TILES HOUSING DEVICES, DO NOT INSTALL ANY CEILING TILES IN GRID UNTIL AFTER PRE-FINAL INSPECTION HAS BEEN PERFORMED AND DEFICIENCIES CERTIFIED AS
- 3. INSTALL 3 1/2" SOUND BATT INSULATION CONTINUOUSLY ABOVE ALL CEILINGS.
- 4. CLEAN ALL HVAC GRILLES AND LIGHT FIXTURE LENSES IN THIS
- 5. FIRE SPRINKLER SYSTEM IS TO BE LAID OUT IN ACCORDANCE WITH NFPA 13 AS REQUIRED TO PROVIDE COMPLETE COVERAGE FOR
- 6. ALL CEILING MOUNTED DEVICES AND FIXTURES INDICATED ON THIS PLAN ARE SHOWN FOR LOCATION AND COORDINATION ONLY. REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL FOR ADDITIONAL CEILING-MOUNTED ITEMS.
- 7. ALL CEILINGS TO BE INSTALLED AT 9'-0" A.F.F. UNLESS NOTED OTHERWISE.
- 8. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL CEILING-MOUNTED ITEMS.

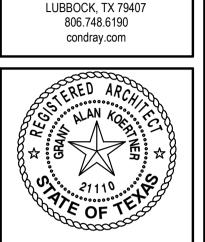
KEYED NOTES

DESIGNATED BY: — #

1). NO CEILING IN THIS AREA.

- 2). PAINTED GYPSUM BOARD FURRDOWN AT 7'-0" A.F.F. 3). PAINTED GYPSUM BOARD FURRDOWN AT 8'-6" A.F.F. (ARMSTRONG FRAMEWALL DRYWALL SYSTEM, REFER TO DETAILS 5/A-03 AND
- 4). PAINTED GYPSUM BOARD FURRDOWN AT 13'-0" A.F.F.
- 5). LAY-IN CEILING TILE AND GRID AT 10'-0" A.F.F. 6). LAY-IN CEILING TILE AND GRID AT 13'-6" A.F.F.
- 7). LAY-IN CEILING TILE AND GRID AT 15'-0" A.F.F.
- 8). DECORATIVE PENDANT LIGHT FIXTURE. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION. REFER TO ELECTRICAL FOR MORE INFORMATION.
- 10). ARTISAN STYLE 12" METAL SOFFIT PANELS AS SPECIFIED AT 14'-0"
- A.F.F.
- 11). 12" X 1" PRE-FINISHED FLAT METAL SOFFIT PANEL SYSTEM SUSPENDED ON BLACK IRON CHANNELS AND HAT CHANNELS AT 24'
- 12). RECESSED CONTINUOUS LINEAR LIGHT FIXTURE. 13). CURTAIN TRACK EQUAL TO IMPERIAL FASTENER #FC98 WITH 2.2 CARRIERS PER FOOT. 4'X4' WITH 12" RADIUS CORNER. REFER TO
- **DETAIL 28/A-03 FOR ATTACHMENT** 14). P1001 UNISTRUT SET FLUSH WITH LAY-IN CEILING GRID (BOTTOM AT 10'-0" A.F.F.) RUN TO GYPSUM BOARD WALL ON EACH SIDE. PROVIDE CLOSURE PLATE AT EACH END AND PAINT ALL FACES WHITE TO MATCH CEILING GRID.
- 15). CEILING MOUNTED EQUIPMENT. REFER TO STRUCTURAL AND EQUIPMENT VENDOR SHEETS FOR MORE INFORMATION. PAINT ALL SURFACES OF EXPOSED UNISTRUT WHITE TO MATCH CEILING GRID. PROVIDE PAINTED CLOSURE PLATES AT ENDS OF UNISTRUT.
- 16). LONGBOARD DAUNTLESS BAFFLE CEILING SYSTEM WITH SINGLE RAIL, EYEBOLT AND HANGER CLIP AT 9'-0" A.F.F. (SEE DETAILS 13/A-03 AND 17/A-03). PROVIDE CLOSURE PLATES AT BOTH OPEN
- 17). 2" LED RECESSED LIGHTING, REFER LENGTH IN PLAN. MOUNT LIGHT FIXTURE FLUSH WITH BOTTOM OF LONGBOARD BAFFLE CEILING SYSTEM AND FLUSH WITH FACE OF VERTICAL LINK & LOCK LONGBOARD WALL SYSTEM. REFER TO ELECTRICAL.
- 18). SURFACE MOUNTED LED LIGHT FIXTURE. 19). MOTORIZED ROLLER SHADE AS SPECIFIED. REFER TO DETAIL
- 20). ROOF HATCH AS SPECIFIED.





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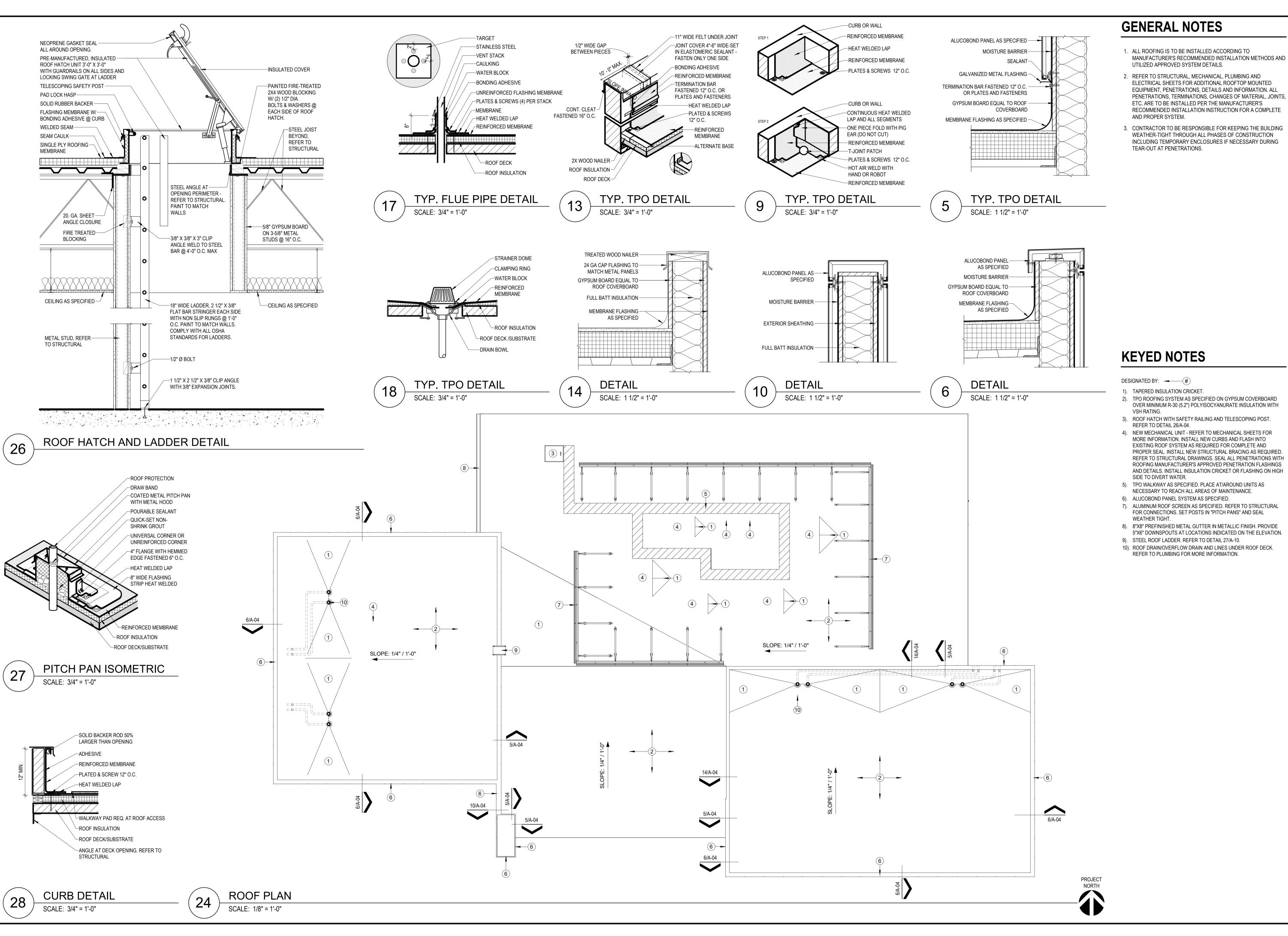
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CONDRAY

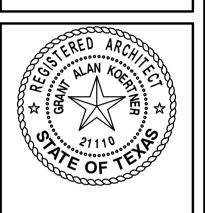
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Nieman Engineering, LLC 1500 Broadway St, Suite 1210 Lubbock, Texas 97401 T: 806-589-3340 TBPE Firm Registration No: F- 14148



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LANDSCAPE ARCHITECTURE
DESIGN & PROJECT IMPLEMENTATION
TIM OLIVER • TX LANDSCAPE ARCHITECT #1314
806.788,1883•1704 NORWICH AVE. «LUBBOCK, TX

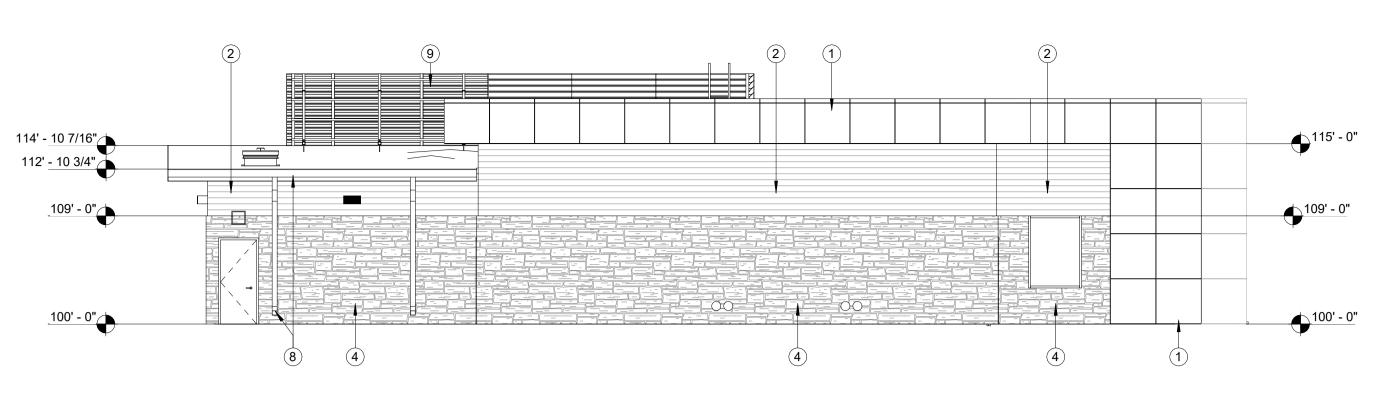
SITY MEDICAL CENTER PHYSICIANS
NEW WOLFFORTH CLINIC

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PROJECT NO. 22415

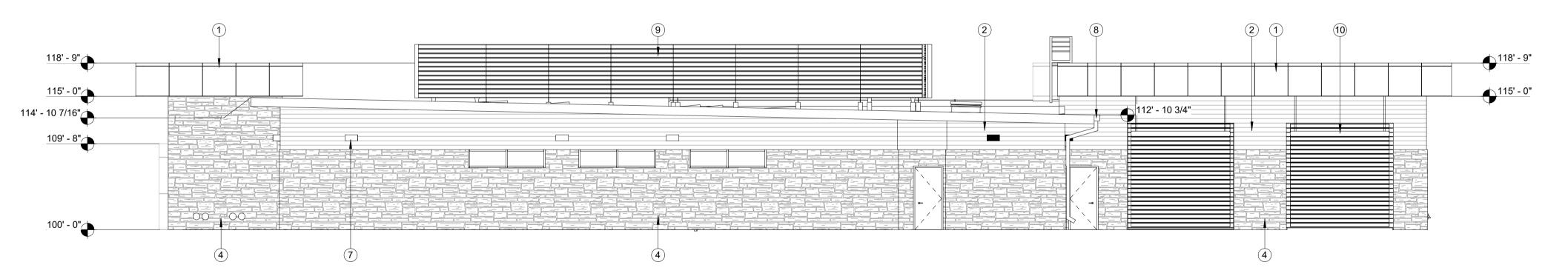
02/06/2 SHEET NO.



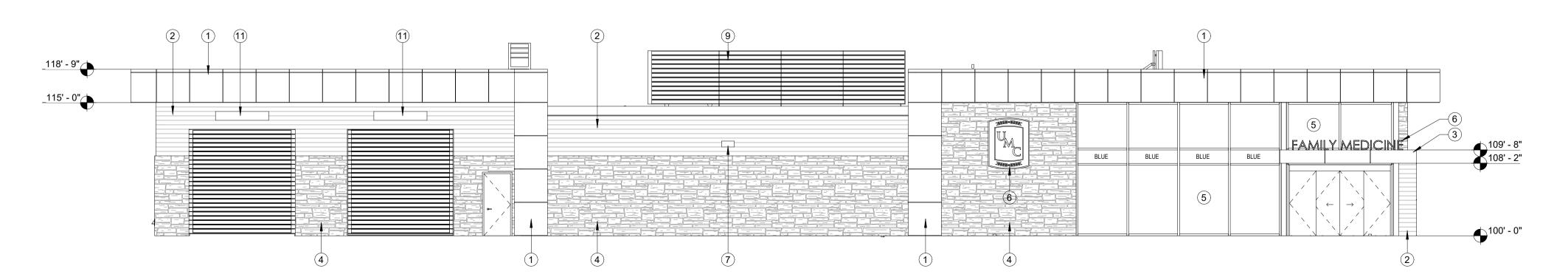
WEST ELEVATION SCALE: 1/8" = 1'-0"

> 118' - 9" 115' - 0" 114' - 10 7/16" 109' - 0" 108' - 2" BLUE BLUE 100' - 0" 100' - 0"

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



NORTH ELEVATION (27



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

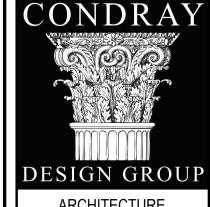
KEYED NOTES

DESIGNATED BY: -

- 1). ALUMINUM COMPOSITE DRY-SEAL PANEL SYSTEM AS SPECIFIED (ANODIZED ALUMINUM FINISH).
- 2). ALUMINUM PANEL SIDING AS SPECIFIED.
- 3). ALUMINUM COMPOSITE DRY-SEAL PANEL SYSTEM AS SPECIFIED (METALLIC FINISH, COLOR: ALUCOBOND OCEAN).
- 4). ADHERED STONE VENEER AS SPECIFIED. 5). CURTAIN WALL SYSTEM AS SPECIFIED.
- SIGN CONTRACTOR, REFER TO MPE.
- 7). LIGHT FIXTURE AS SCHEDULED, REFER TO MPE. SET BOTTOM OF FIXTURE AT 10'-0".

6). SIGNAGE BY OTHERS, COORDINATE POWER REQUIREMENTS WITH

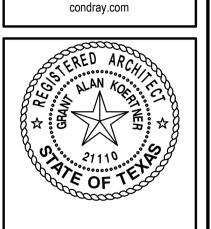
- 8). PREFINISHED GUTTER AND DOWNSPOUT. COLOR IS TO BE
- PAC-CLAD "AWARD BLUE" OR APPROVED EQUAL. 9). ROOF SCREEN SYSTEM AS SPECIFIED.
- 10). 4 1/2" X 120" ROYAL BLUE CLEARANCE BAR WITH WHITE TAPE.
- POSTGUARD.COM 11). "EXIT ONLY" SIGNS BY OTHERS.



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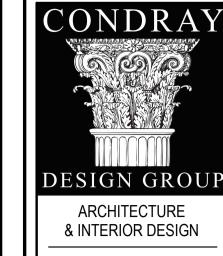
PROJECT NO. SHEET NO.

5 OF

(28)

GENERAL NOTES

1. BUILDING SECTIONS ARE FOR GENERAL REFERENCE. REFER TO SECTIONS/DETAILS AND NOTES AS WELL AS PLANS FOR MORE



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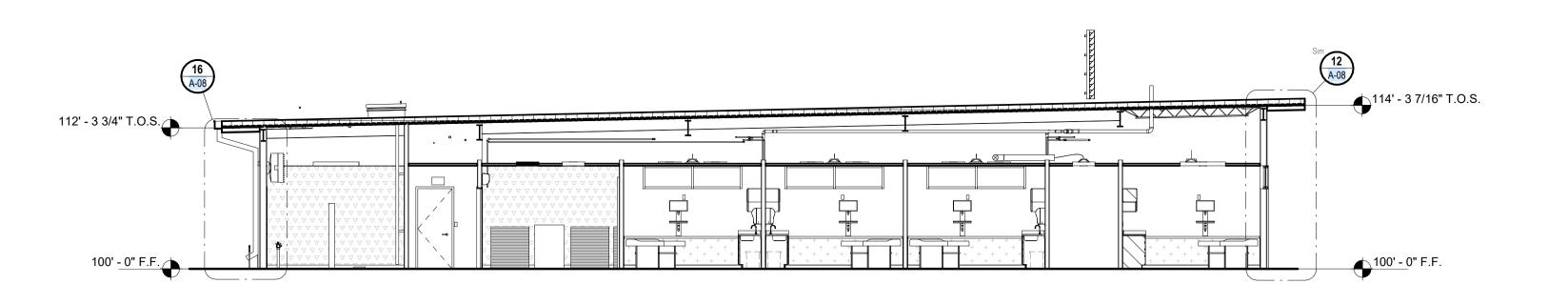


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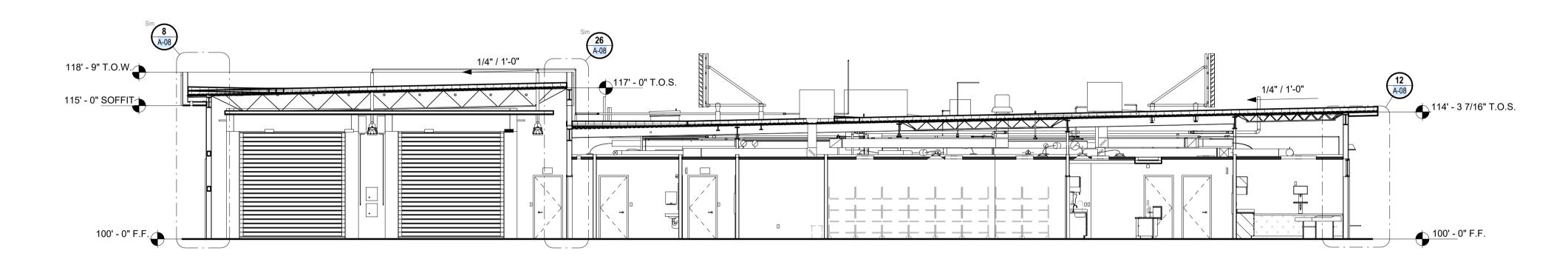
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SHEET NO.

6 OF

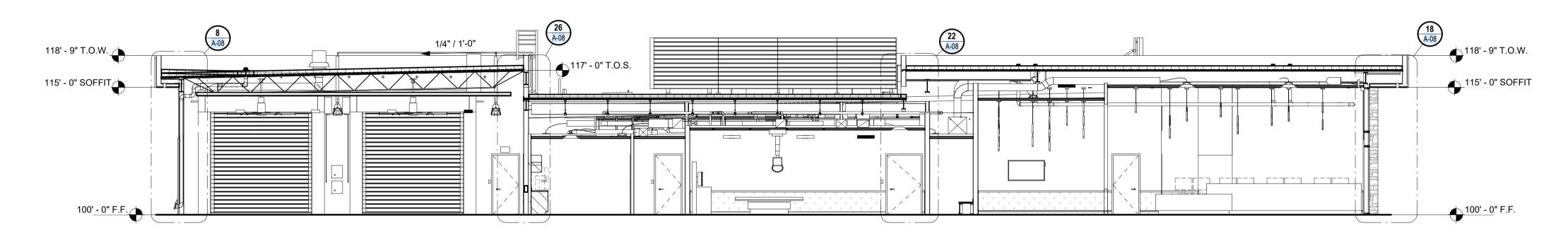




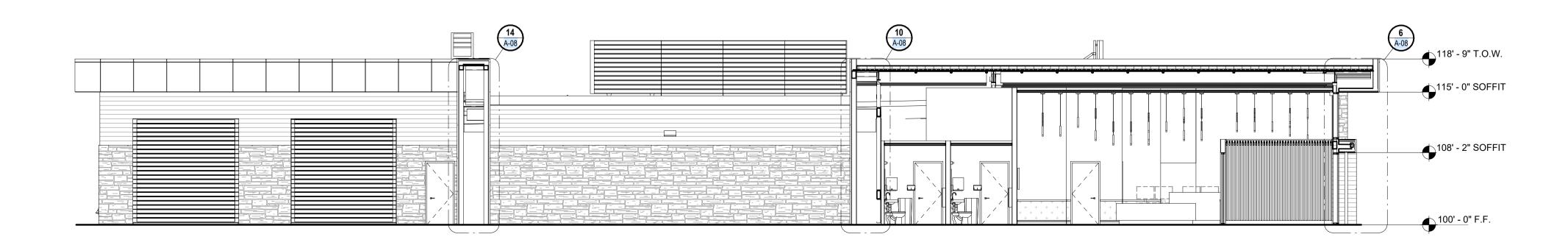


BUILDING SECTION (26

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

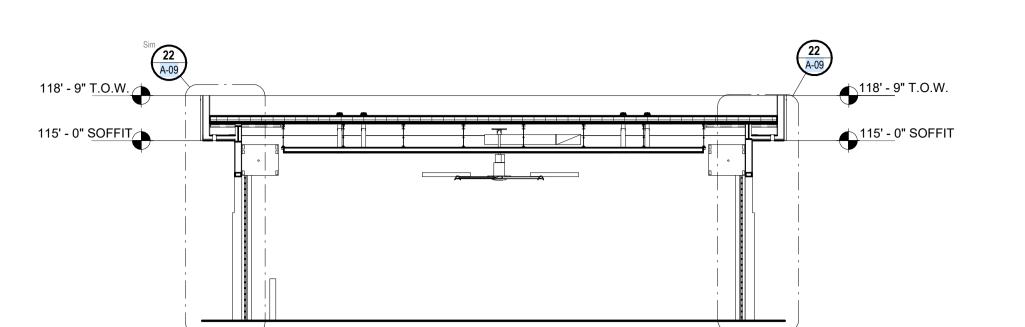


BUILDING SECTION (27 SCALE: 1/8" = 1'-0"

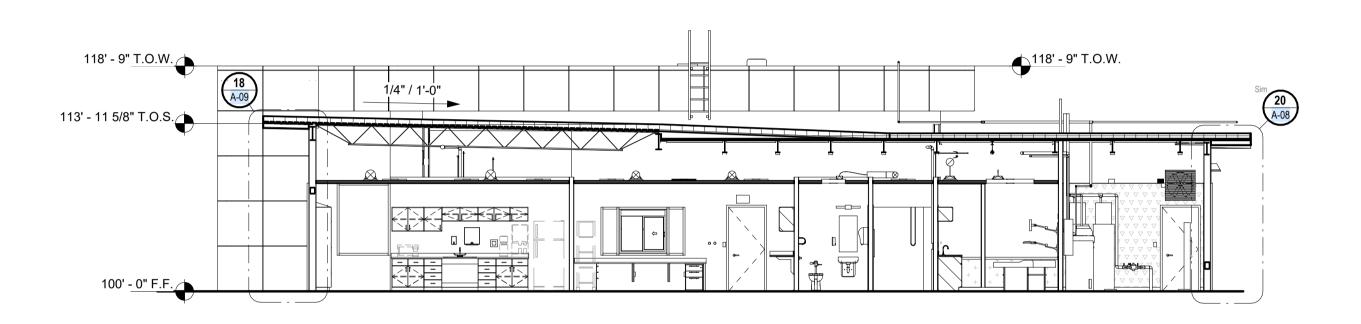


BUILDING SECTION SCALE: 1/8" = 1'-0"

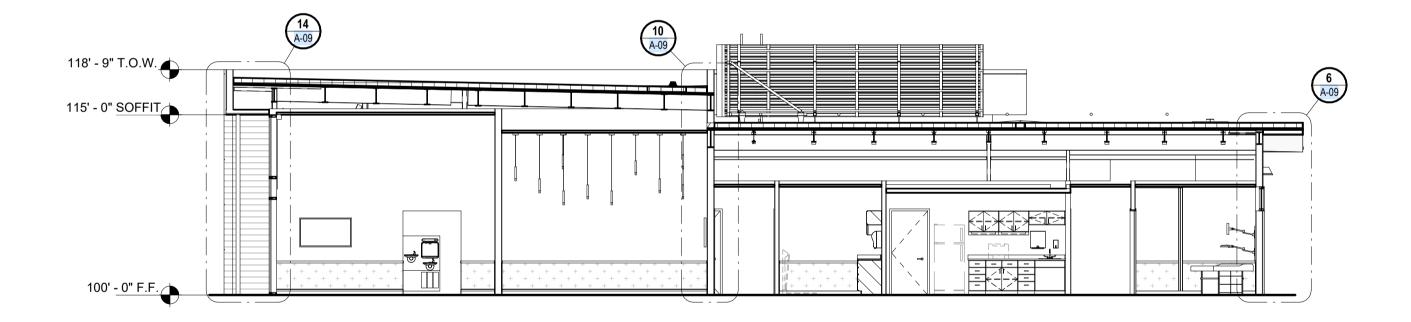
(28



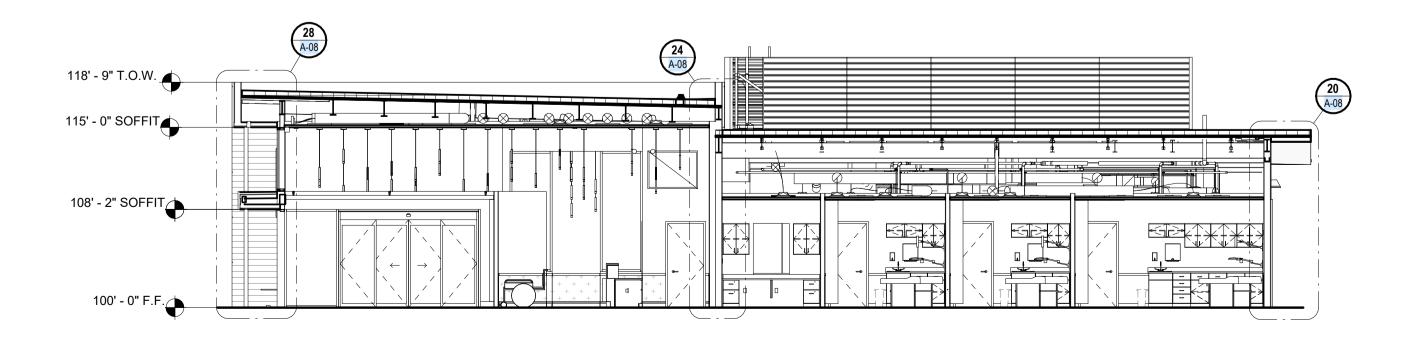
BUILDING SECTION SCALE: 1/8" = 1'-0"



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



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

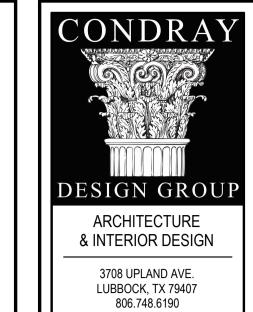


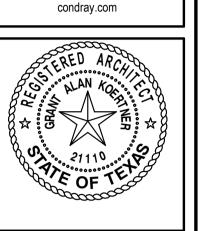
BUILDING SECTION

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

GENERAL NOTES

 BUILDING SECTIONS ARE FOR GENERAL REFERENCE. REFER TO SECTIONS/DETAILS AND NOTES AS WELL AS PLANS FOR MORE INFORMATION.













VERSITY MEDICAL CENTER PHYSICIANS

NEW WOLFFORTH CLINIC

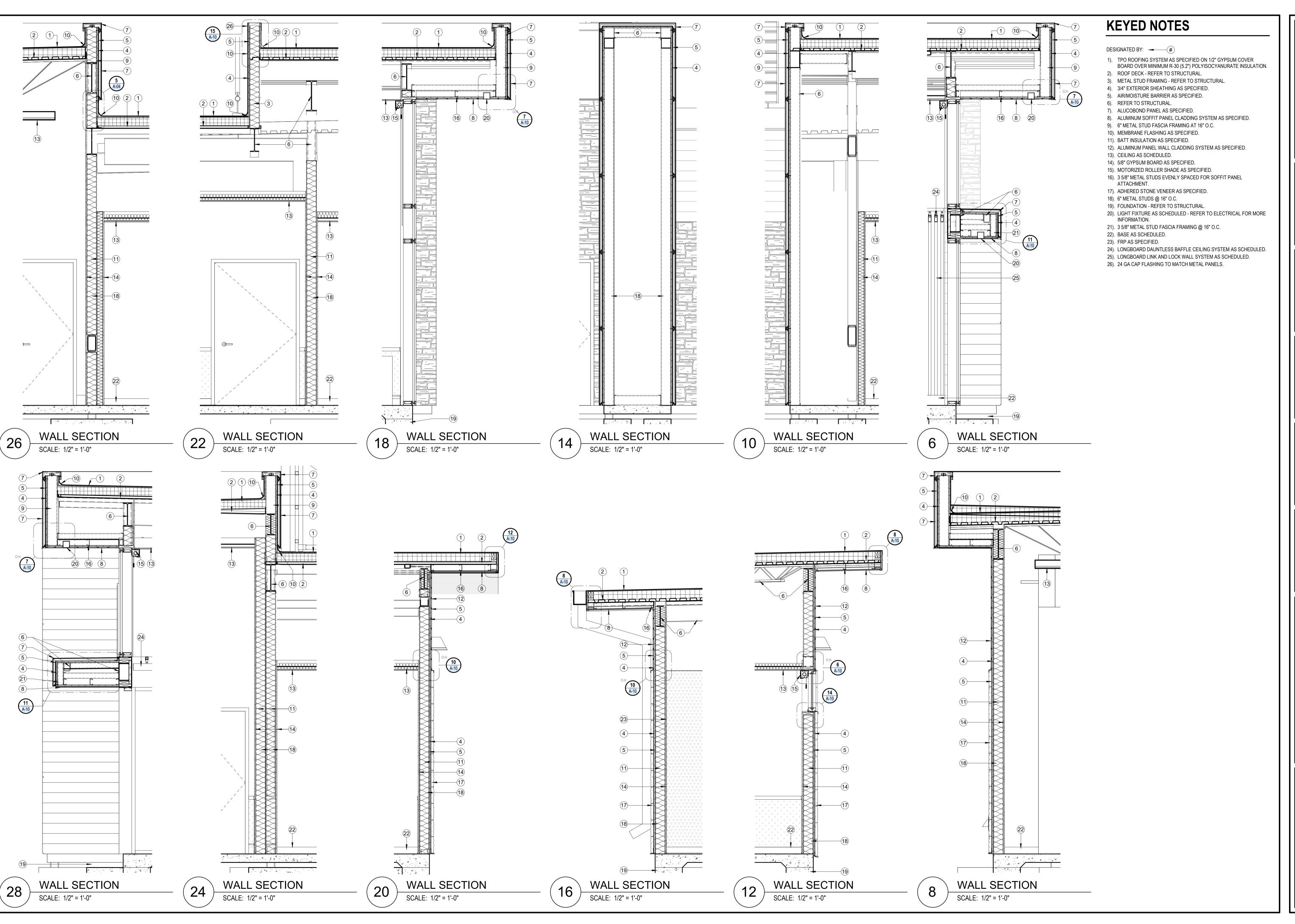
720 DONAL DIPRESTON DRIVE



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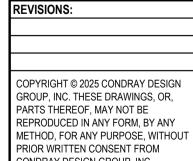
DIVER

ANDSCAPE

OMPANY

NDSCAPE ARCHITECTURE
BIGN & PROJECT IMPLEMENTATION

NEW WOLFFORTH CLINIC
720 DONALD PRESTON DRIVE
WOLFFORTH, TEXAS 79382



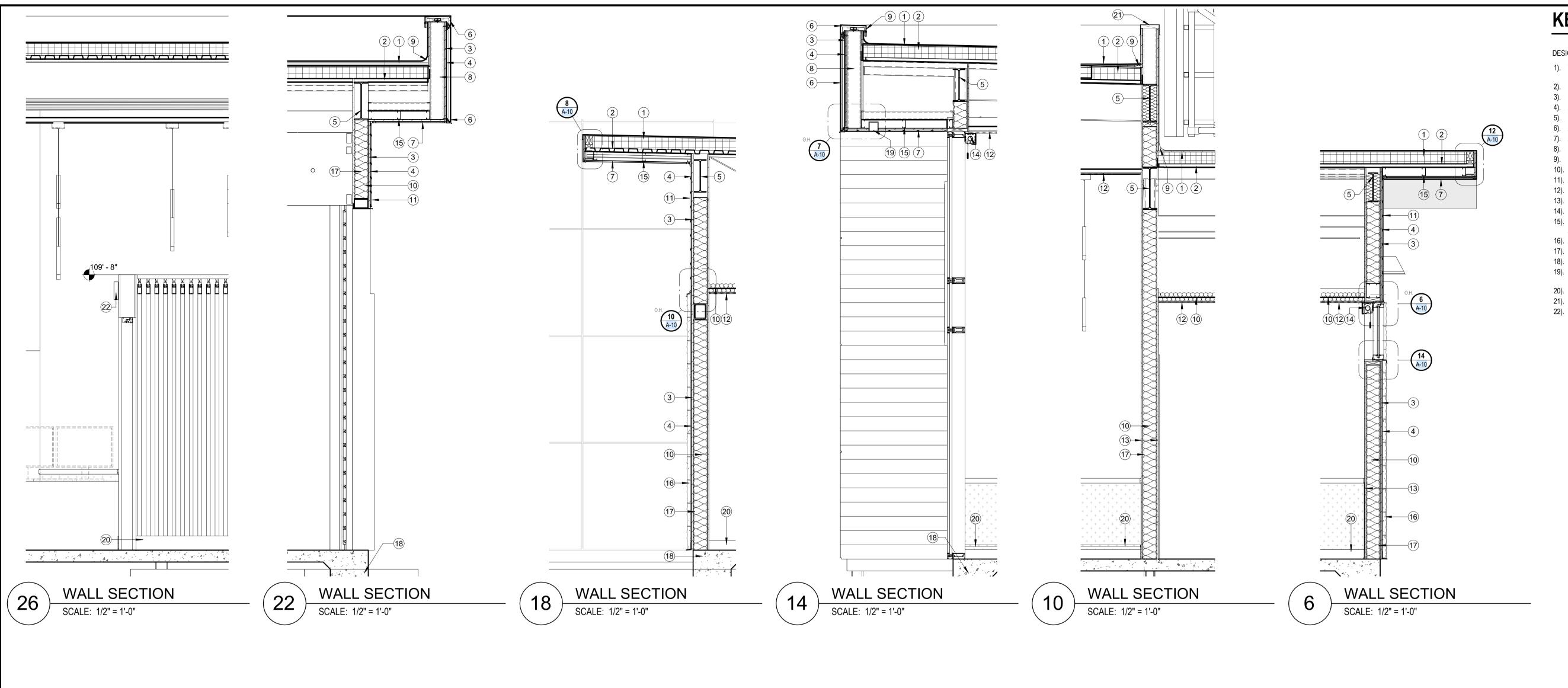
METHOD, FOR ANY PURPOSE, WITHOUT PRIOR WRITTEN CONSENT FROM CONDRAY DESIGN GROUP, INC.

PROJECT NO. 22415

DATE: 02/06/2025

SHEET NO.

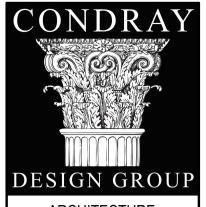
A-088 OF 20



KEYED NOTES

DESIGNATED BY: - #)

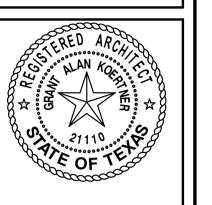
- 1). TPO ROOFING SYSTEM AS SPECIFIED ON 1/2" GYPSUM COVER BOARD OVER MINIMUM R-30 (5.2") POLYISOCYANURATE INSULATION.
- BOARD OVER MINIMUM R-30 (5.2") POLYISOCYANURATE INSULAT 2). ROOF DECK - REFER TO STRUCTURAL.
- 3). 3/4" EXTERIOR SHEATHING AS SPECIFIED.
- 4). AIR/MOISTURE BARRIER AS SPECIFIED.
- 5). REFER TO STRUCTURAL.
- 6). ALUCOBOND PANEL AS SPECIFIED.7). ALUMINUM SOFFIT PANEL CLADDING SYSTEM AS SPECIFIED.
- 8). 6" METAL STUD FASCIA FRAMING AT 16" O.C.
- 9). MEMBRANE FLASHING AS SPECIFIED.10). BATT INSULATION AS SPECIFIED.
- 11). ALUMINUM PANEL WALL CLADDING SYSTEM AS SPECIFIED.12). CEILING AS SCHEDULED.
- 12). CEILING AS SCHEDULED.
- 13). 5/8" GYPSUM BOARD AS SPECIFIED.14). MOTORIZED ROLLER SHADE AS SPECIFIED.
- 15). 3 5/8" METAL STUDS EVENLY SPACED FOR SOFFIT PANEL ATTACHMENT.
- 16). ADHERED STONE VENEER AS SPECIFIED.
- 17). 6" METAL STUDS @ 16" O.C.
- 18). FOUNDATION REFER TO STRUCTURAL.19). LIGHT FIXTURE AS SCHEDULED REFER TO ELECTRICAL FOR MORE INFORMATION.
- INFORMATION.
 20). BASE AS SCHEDULED.
- 21). 24 GA CAP FLASHING TO MATCH METAL PANELS.
- 22). WALL-MOUNTED EXIT LIGHT.



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Nieman Engineering, LLC
1500 Broadway St, Suite 1210
Lubbock, Texas 97401
T: 806-589-3340 TBPE Firm
Registration No: F- 14148



OJD Engineering, LP TX FIRM #F-4393 328 E. Hwy 62, Unit 1 LUBBOCK, TX 79382 PH: 806-791-2300



MEDICAL CENTER PHYSICIANS / WOLFFORTH CLINIC

UNIVERS

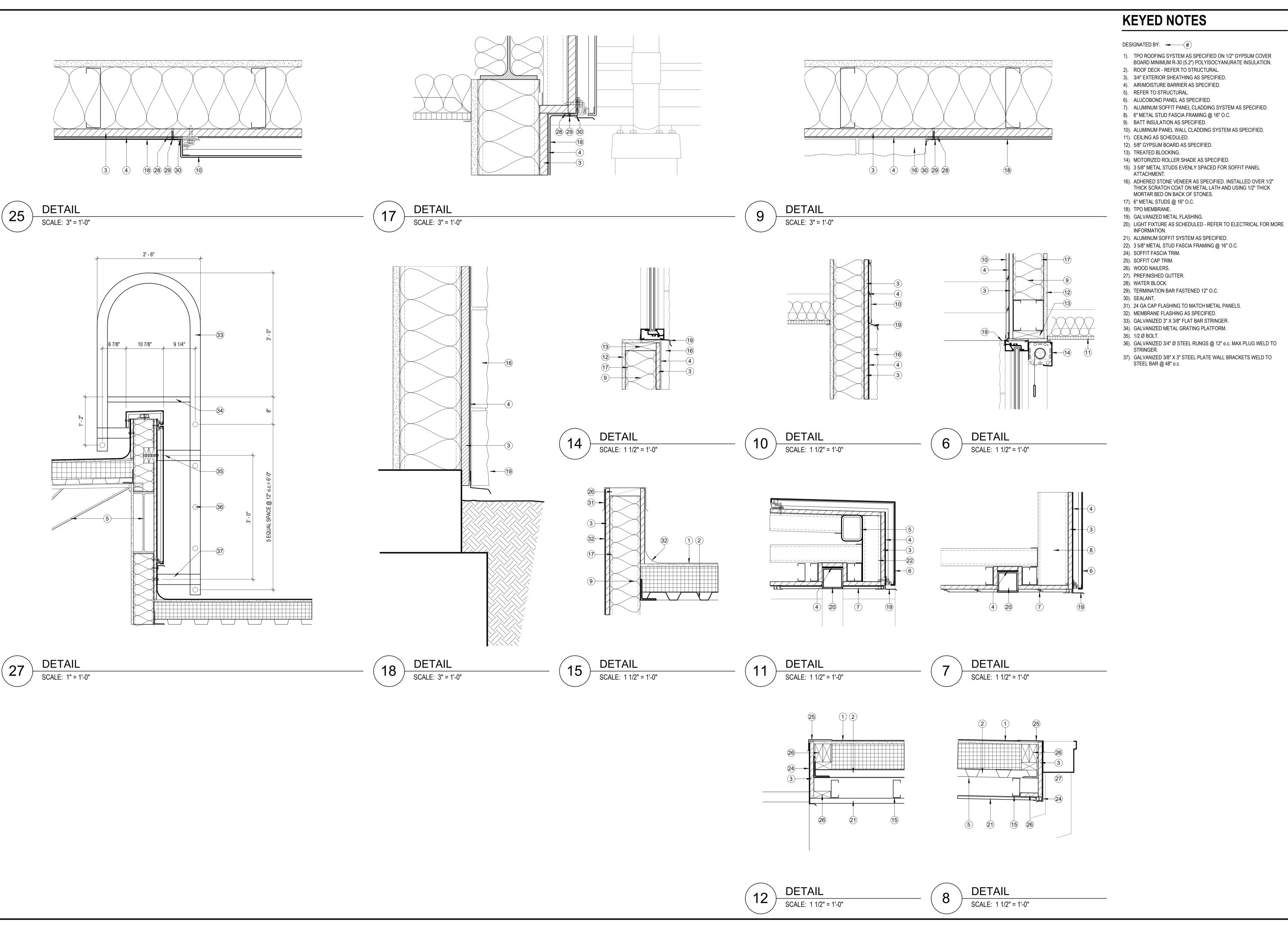
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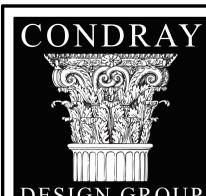
CONDRAY DESIGN GROUP, INC.

PROJECT NO. 22DATE: 02/06/20
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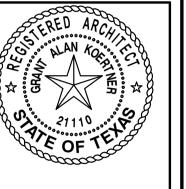


- 36). GALVANIZED 3/4" Ø STEEL RUNGS @ 12" o.c. MAX PLUG WELD TO
- 37). GALVANIZED 3/8" X 3" STEEL PLATE WALL BRACKETS WELD TO



DESIGN GROUI ARCHITECTURE & INTERIOR DESIGN











LUBBOCK, TX 79382 PH: 806-791-2300

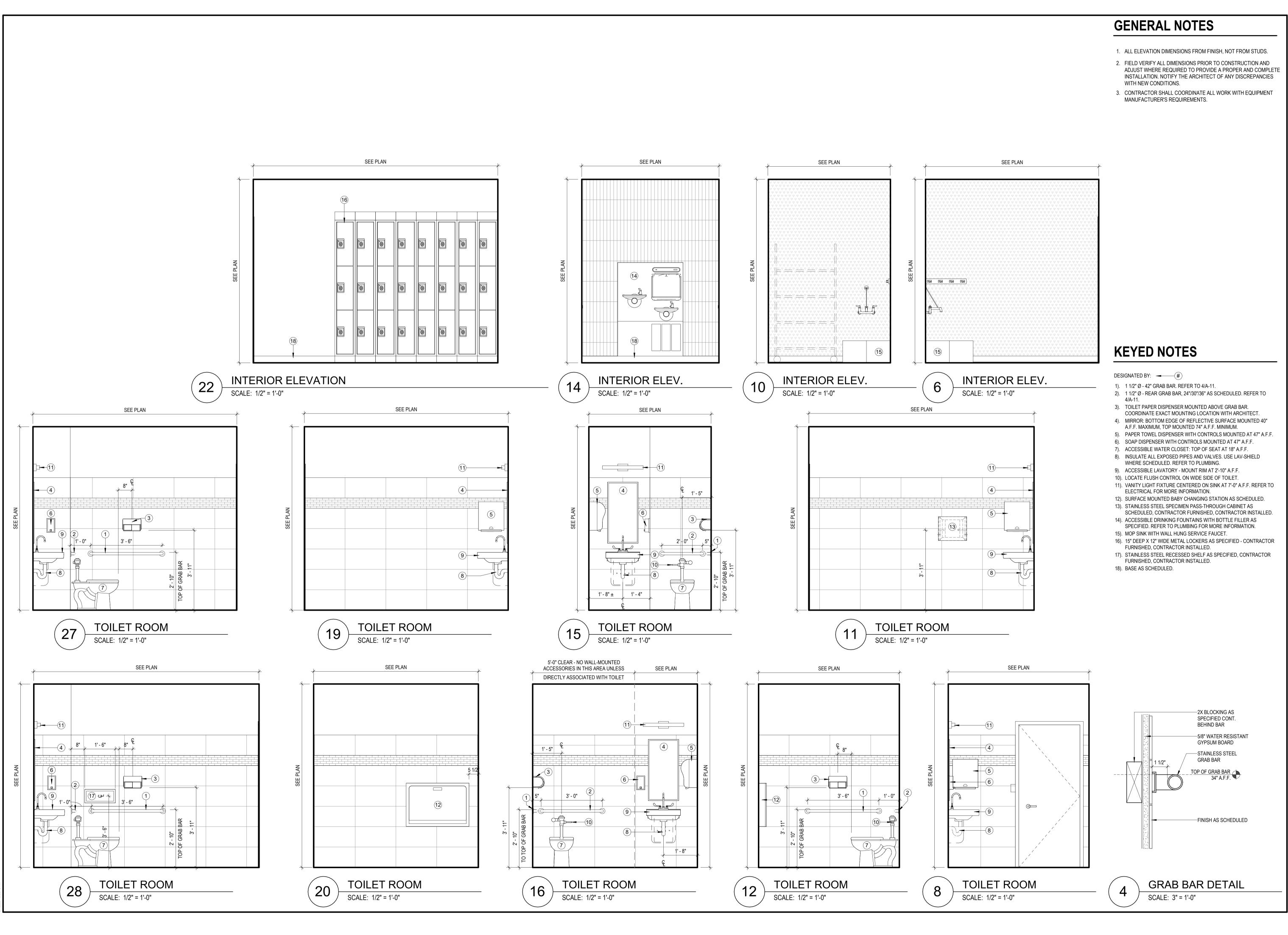


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SHEET NO.

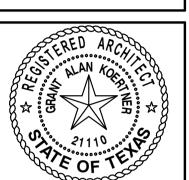




DESIGN GROU

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Nieman Engineering, LLC
1500 Broadway St, Suite 1210 Lubbock, Texas 97401 T: 806-589-3340 TBPE Firm Registration No: F- 14148

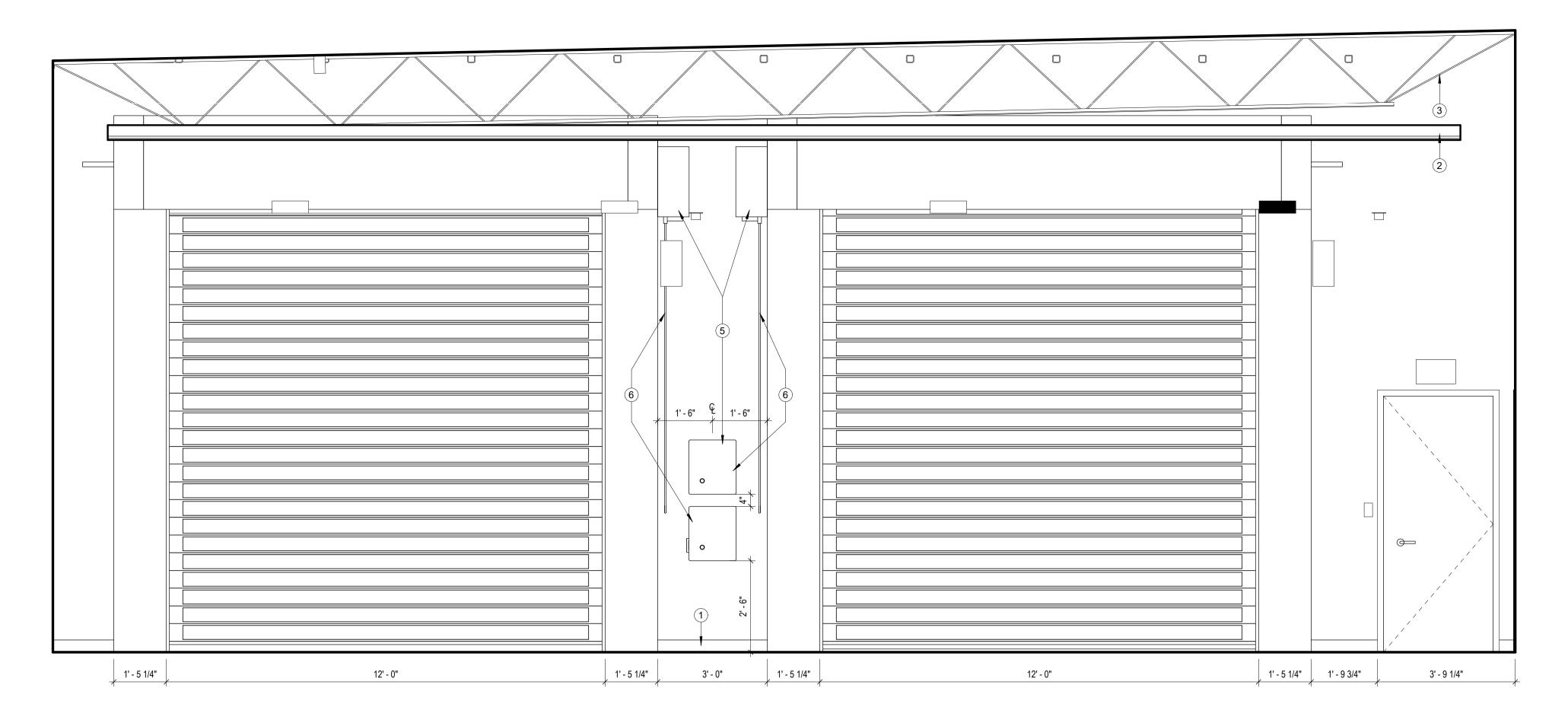


COMPANY
LANDSCAPE COMPANY
LANDSCAPE ARCHITECTURE
DESIGN & PROJECT IMPLEMENTATION
TIM OLIVER • 1X LANDSCAPE ARCHITECT #1314

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11 OF

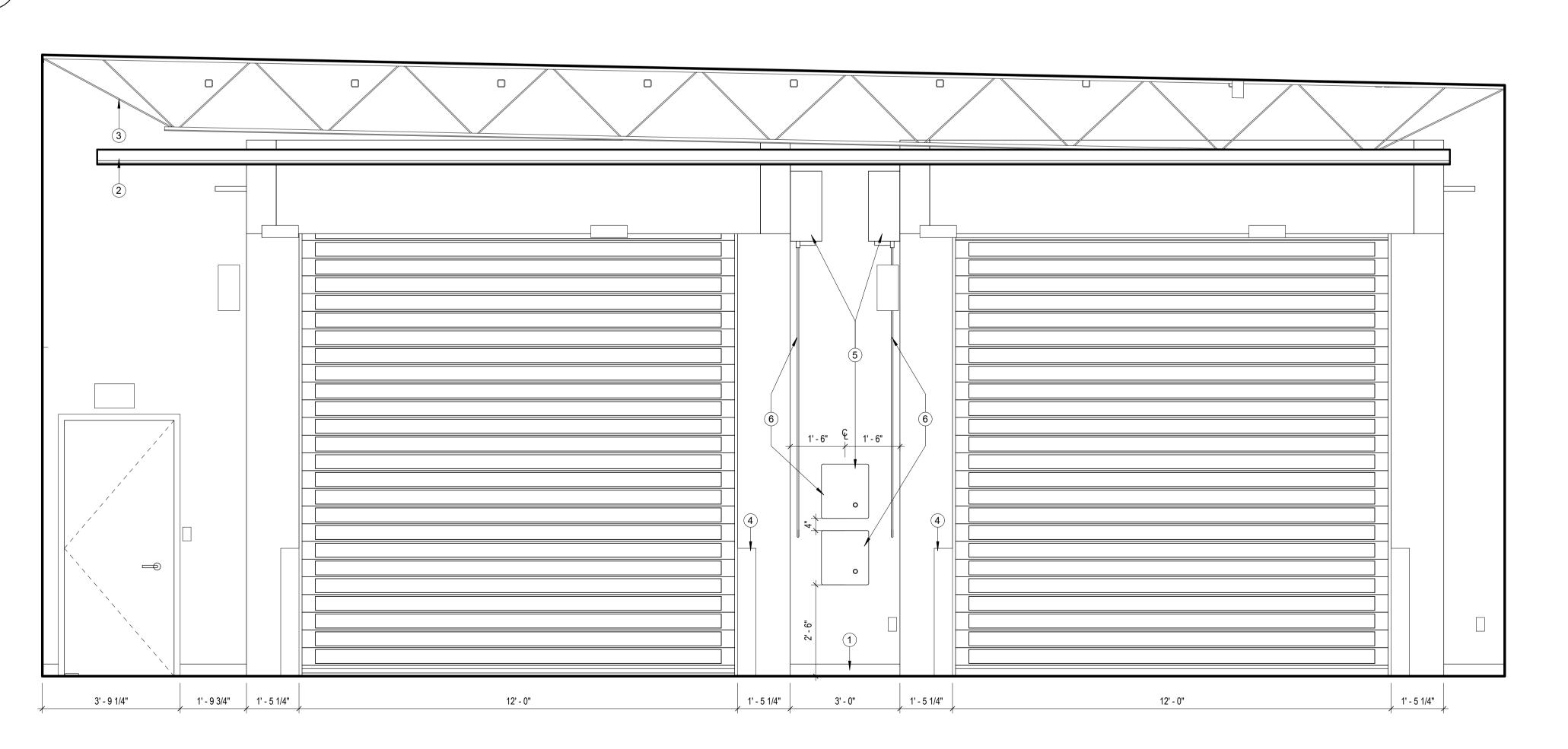
SHEET NO.



(22)

INTERIOR ELEVATION

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



GENERAL NOTES

KEYED NOTES

DESIGNATED BY: #

1). BASE AS SCHEDULED.

2). CEILING AS SCHEDULED.

3). REFER TO STRUCTURAL.

4). PAINTED STEEL BOLLARD - REFER TO DETAIL 12/SP-02.5). MOTOR AND CONTROLS SIDE OF OVERHEAD DOOR.

6). INSTALL SURFACE MOUNTED STEEL RACEWAY SYSTEM EQUAL TO LEGRAND WIREMOLD 2400 SERIES WITH APPROPRIATE IN-LINE DATA

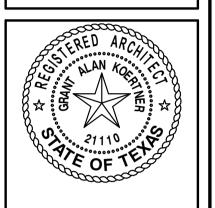
PLATES FOR INSTALLATION OF ALL CONTROL WIRES. COORDINATE EXACT REQUIREMENTS AND LOCATIONS WITH OVERHEAD DOOR

CONTRACTOR. ALL DATA CABLING SHALL BE CONCEALED AS MUCH AS POSSIBLE.

- 1. ALL ELEVATION DIMENSIONS FROM FINISH, NOT FROM STUDS.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH NEW CONDITIONS.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.



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ERSITY MEDICAL CENTER PHYSICIANS
NEW WOLFFORTH CLINIC
720 DONALD PRESTON DRIVE
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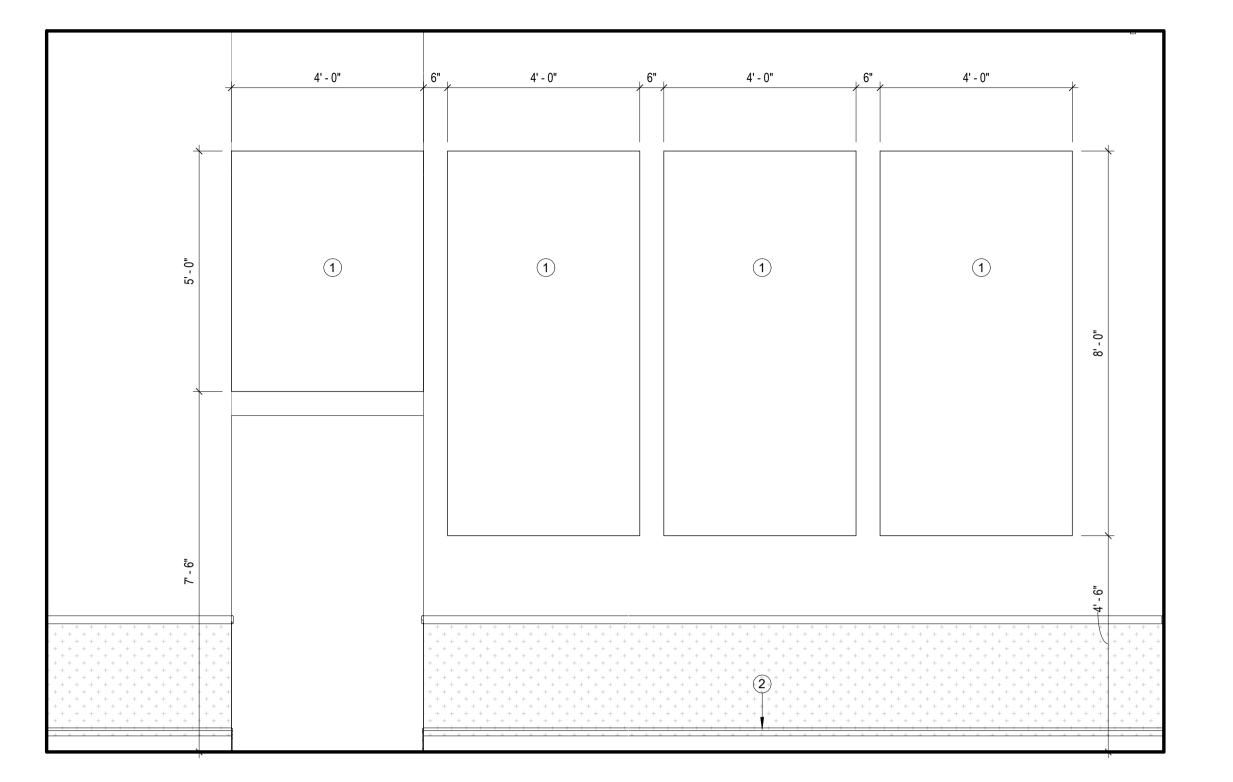
PROJECT NO. 22415

: 02/06/20 SHEET NO.

12 OF 2

1 INTERIOR ELEVATION

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



INTERIOR ELEVATION SCALE: 1/2" = 1'-0"

GENERAL NOTES

KEYED NOTES

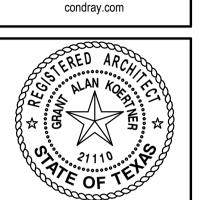
1). ARTWORK - OWNER FURNISHED AND INSTALLED.

DESIGNATED BY: ------#

2). BASE AS SCHEDULED.

- 1. ALL ELEVATION DIMENSIONS FROM FINISH, NOT FROM STUDS.
- FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH NEW CONDITIONS.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.





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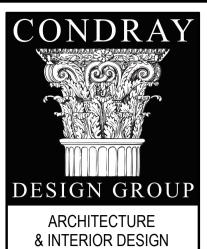




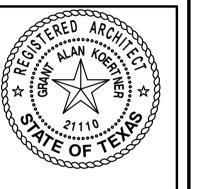
KEYED NOTES

DESIGNATED BY: (#)

- 1). PAPER TOWEL DISPENSER OWNER FURNISHED, CONTRACTOR
- 2). SOAP DISPENSER OWNER FURNISHED, CONTRACTOR INSTALLED.
- 3). BACKSPLASH AS SCHEDULED.
- 4). COUNTER TOP PRINTER. REFER TO EQUIPMENT PLANS.
- 5). REFRIGERATOR OWNER FURNISHED, CONTRACTOR INSTALLED. 6). UNDER CABINET LIGHT FIXTURE. REFER TO MPE.
- 7). RECEPTACLE/DATA PORTED MOUNTED 18" A.F.F. REFER TO ELECTRICAL FOR MORE INFORMATION.
- 8). RECEPTACLE/DATA PORT MOUNTED ABOVE COUNTERTOP. REFER TO ELECTRICAL FOR MORE INFORMATION.
- 9). EQUIPMENT OWNER FURNISHED, OWNER INSTALLED. 10). DRAWER LOCKS - KEY DIFFERENT FOR EACH BANK OF DRAWERS.
- 11). REMOVABLE PANEL, FINISH AS SCHEDULED.
- 12). RECEPTACLE/DATA PORTED MOUNTED 18" A.F.F. REFER TO ELECTRICAL FOR MORE INFORMATION.
- 13). GYPSUM BOARD FURRDOWN.
- 14). EQUIPMENT OWNER FURNISHED, OWNER INSTALLED. 15). DRAWER LOCKS - KEY DIFFERENT FOR EACH BANK OF DRAWERS.
- 16). REMOVABLE PANEL, FINISH AS SCHEDULED.
- 18). QUARTZ TO WRAP END OF COUNTER AT CURTAIN WALL (SEE DETAIL 20/A-14, NO TOE-KICK).
- 19). INSTALL REMOTE PUSH BUTTON FOR ELECTRIC DOOR STRIKE. COORDINATE EXACT LOCATIONS WITH OWNER.
- 20). SSM2 SOLID SURFACE AS SCHEDULED.
- 21). QSM1 QUARTZ SURFACE AS SCHEDULED.



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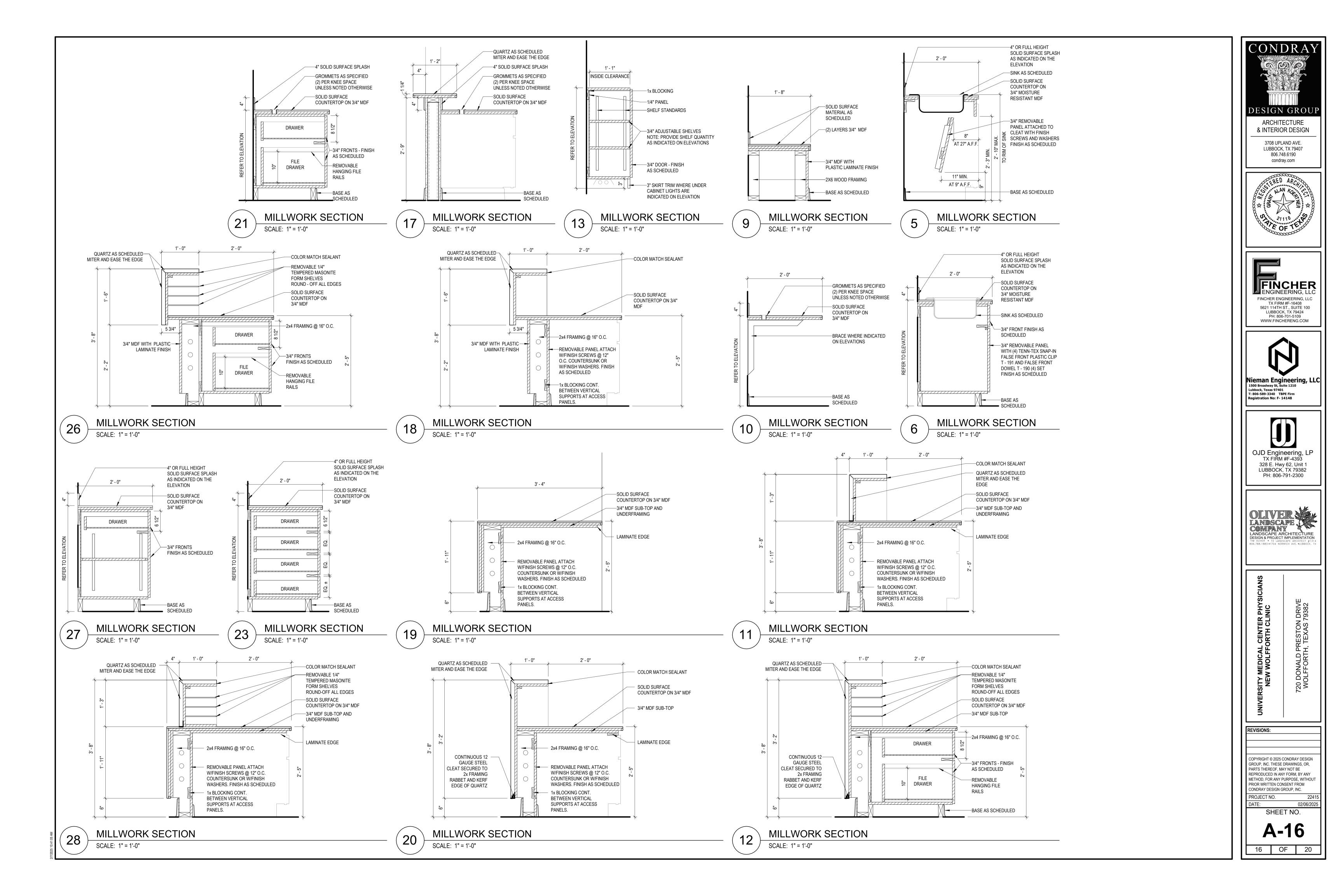
OJD Engineering, LP TX FIRM #F-4393 328 E. Hwy 62, Unit 1 LUBBOCK, TX 79382 PH: 806-791-2300

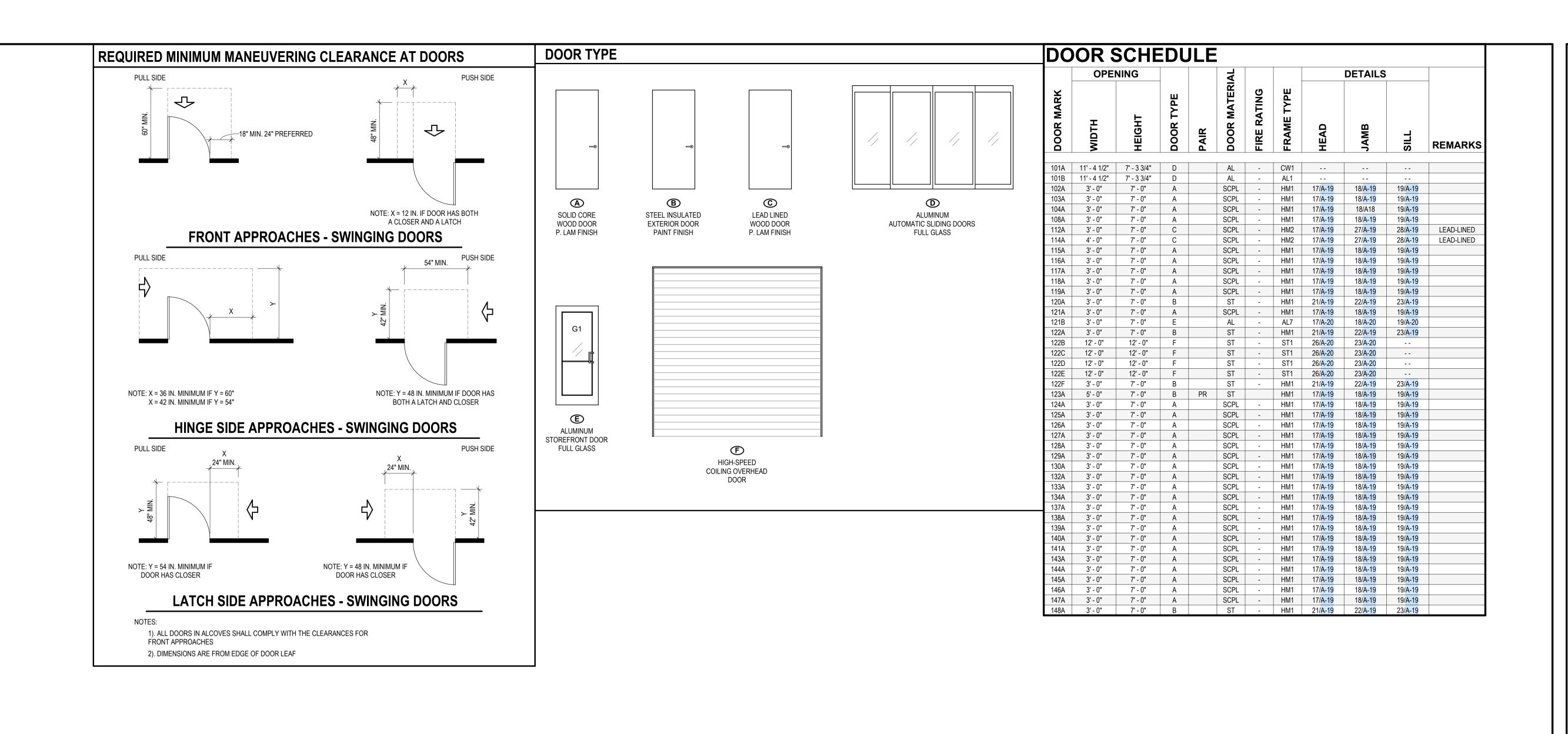


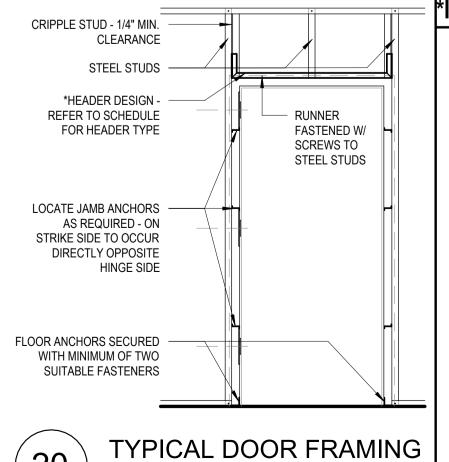
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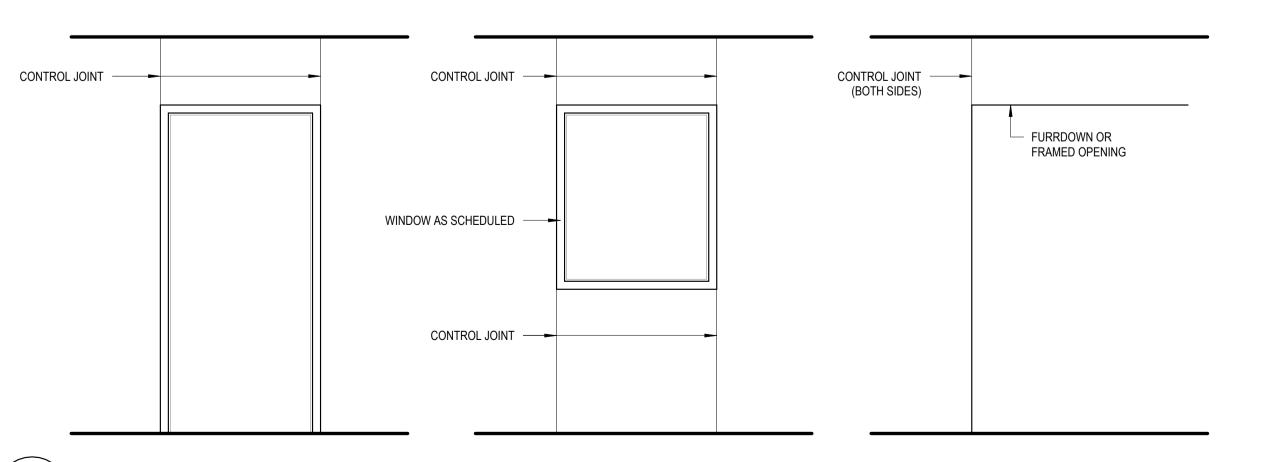
INTERIOR FRAMING HEADER SCHEDULE

- AT OPENINGS 3'-6" WIDE OR LESS STUD RUNNER IS SUFFICIENT FOR **HEADER**

- AT OPENINGS > 3'-6" WIDE AND < 8'-0" USE A 6" BOX BEAM HEADER

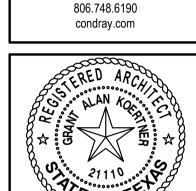
- AT OPENINGS > 8'-0" WIDE AND < 10'-0" USE A 8" BOX BEAM HEADER

- AT OPENINGS > 10'-0" CONSULT WITH ARCHITECT



TYPICAL CONTROL JOINTS DETAILS 12

DESIGN GROU **ARCHITECTURE** & INTERIOR DESIGN



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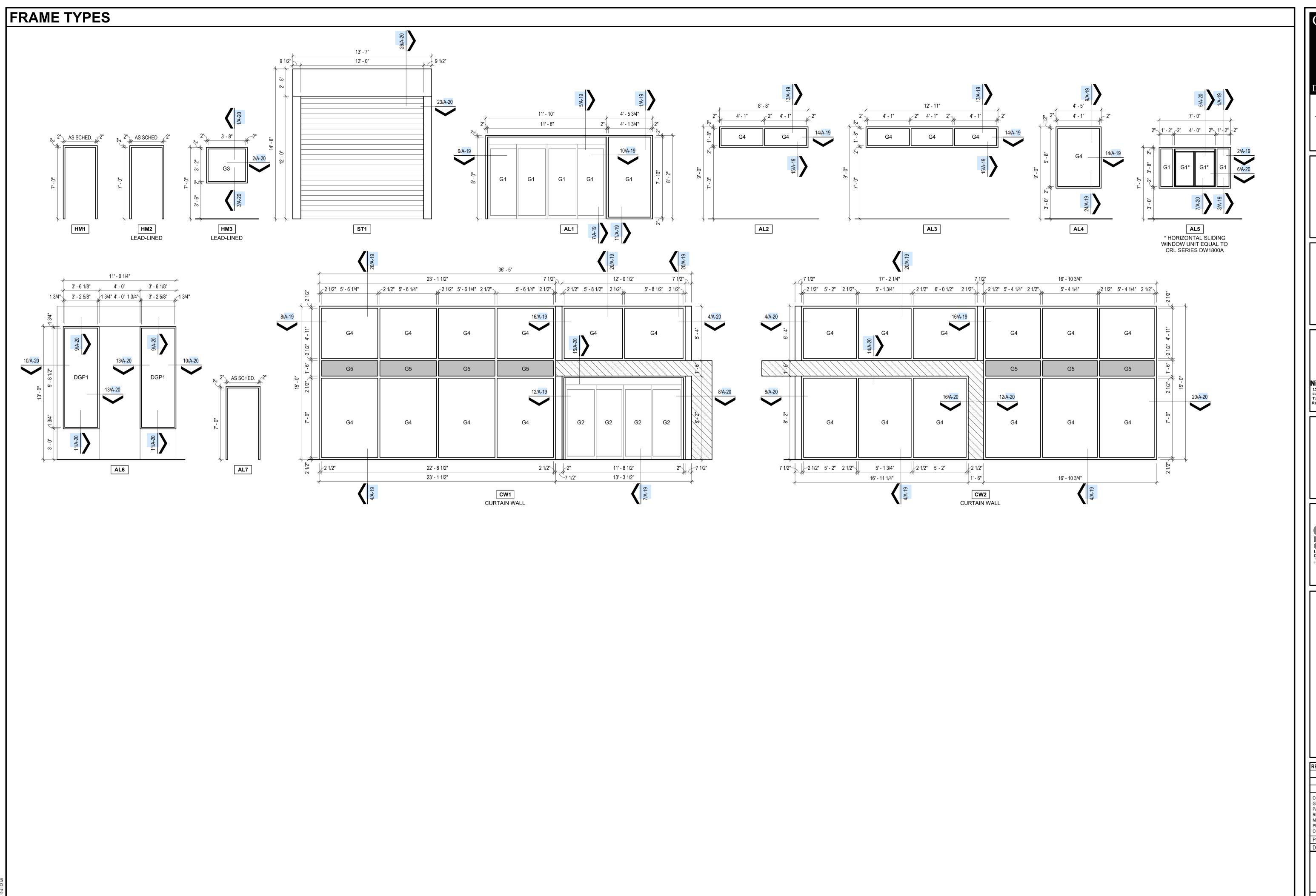




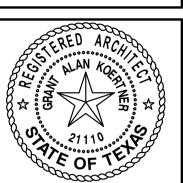




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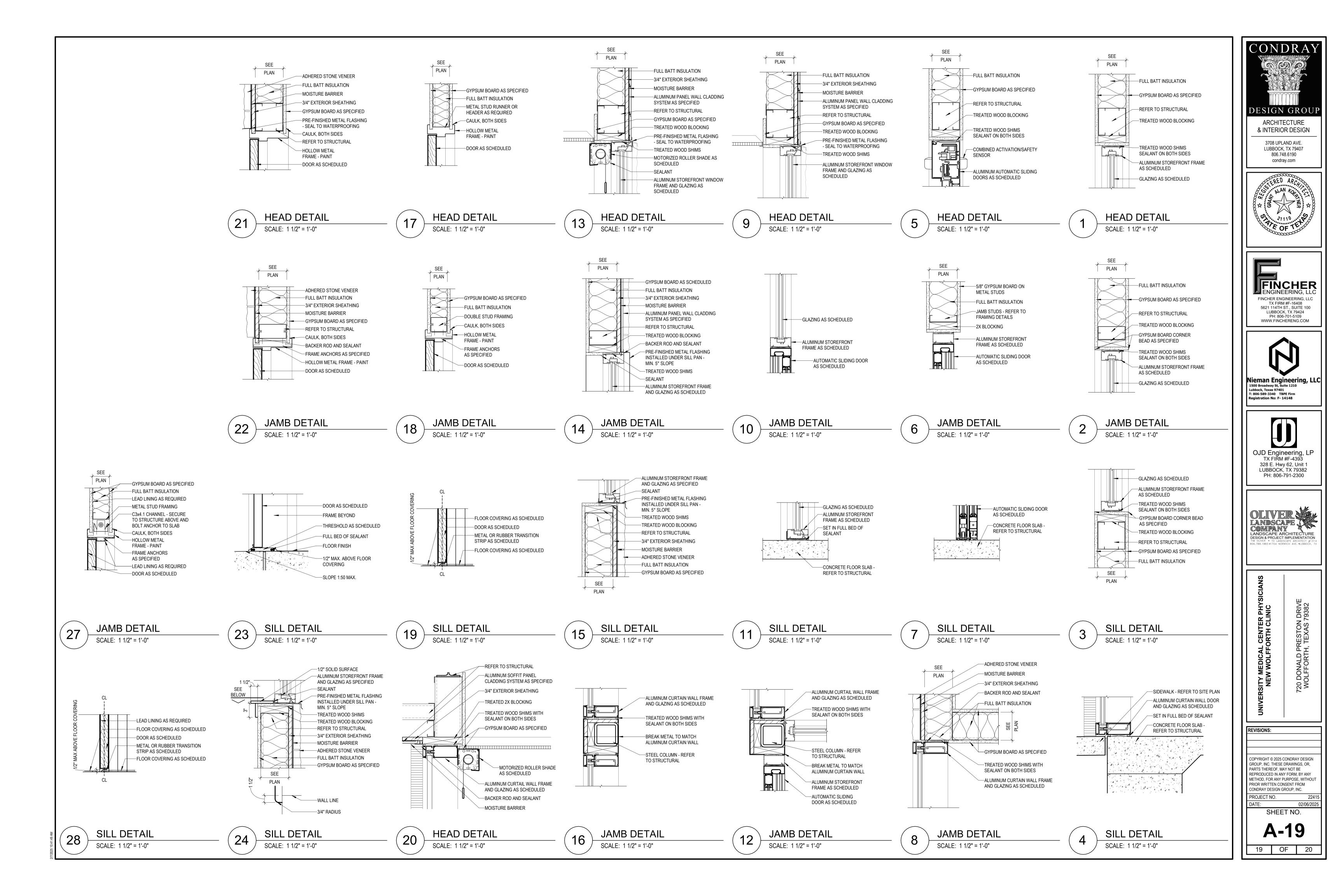
NEW WOLFFORTH CLINIC
720 DONALD PRESTON DRIVE
WOI FFORTH TEXAS 79382

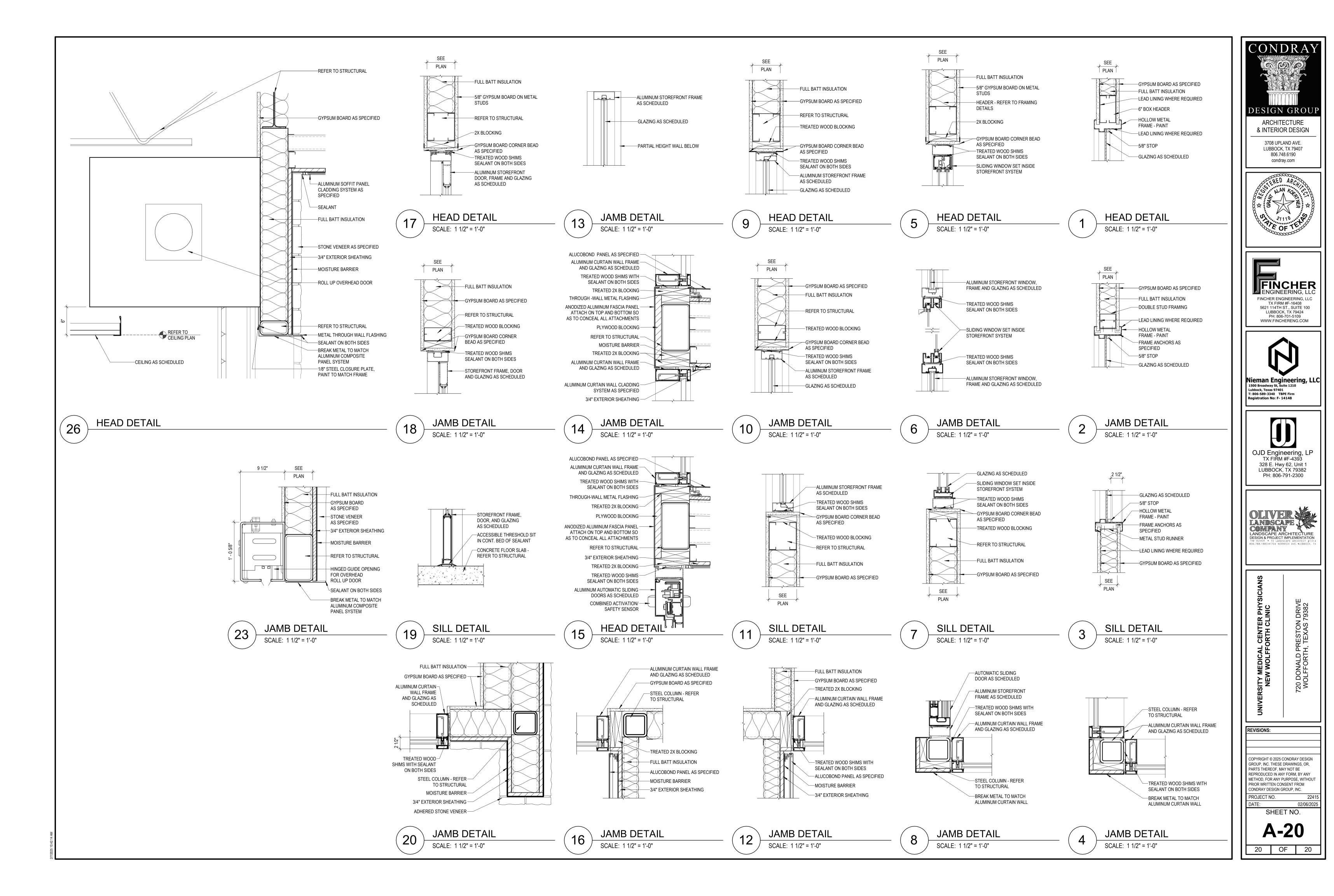
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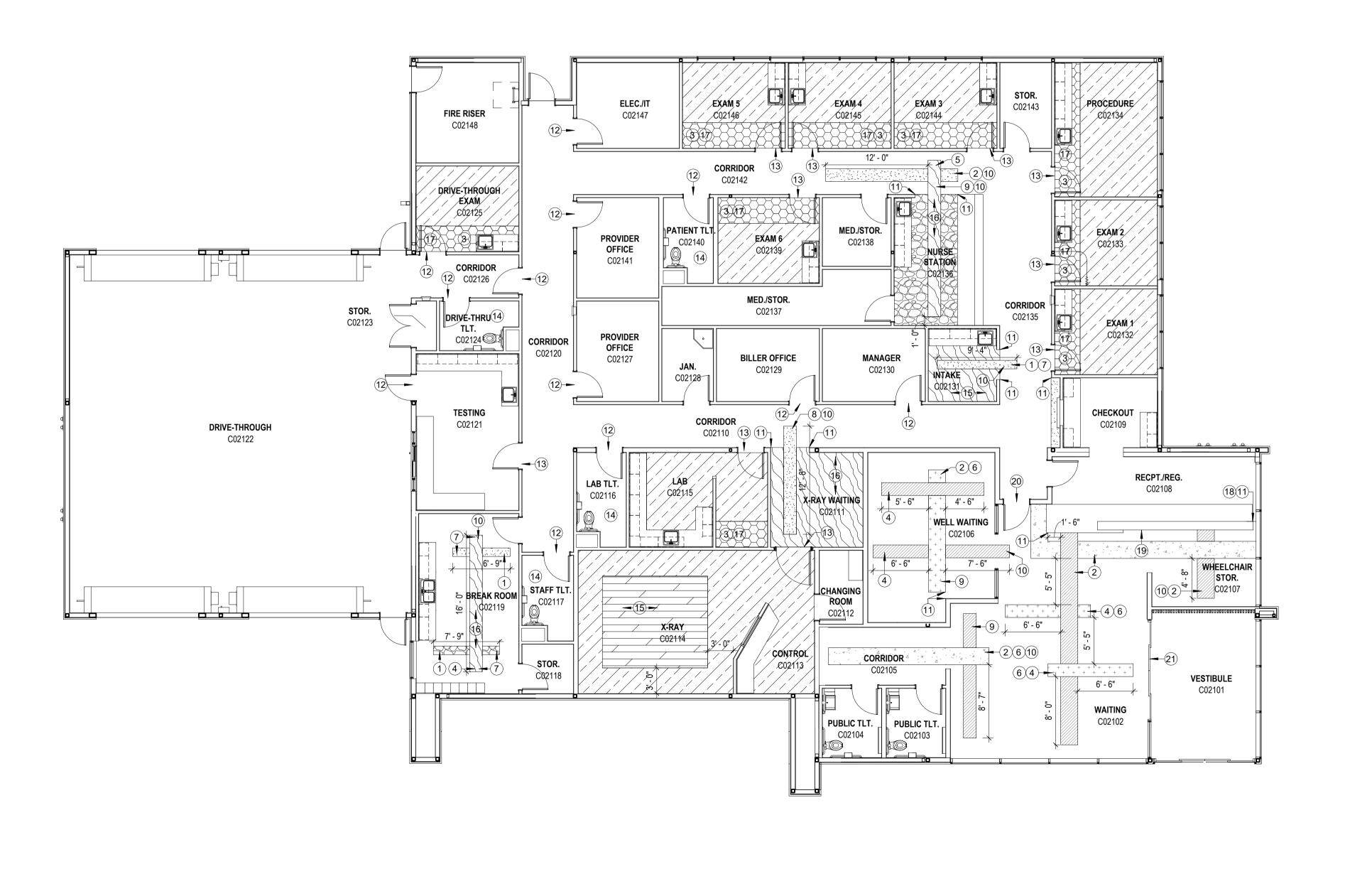
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PROJECT NO. 22415

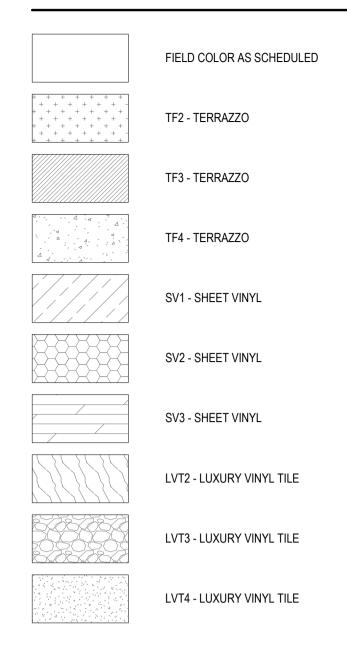
SHEET NO.







LEGEND



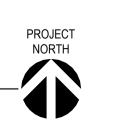
GENERAL NOTES

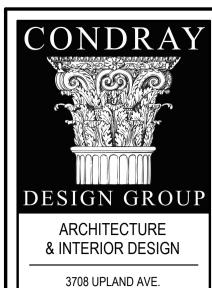
- 1. REFER TO PROJECT MANUAL FOR MATERIAL AND ROOM FINISH SCHEDULES.
- 2. REFER TO THE PROJECT MANUAL AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION. SHOULD THERE BE A DISCREPANCY BETWEEN THE DOCUMENTS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO THE INSTALLATION OR PERFORMANCE OF SAID WORK. WORK PERFORMED IN CONFLICT WITH THE DRAWINGS OR SCHEDULE SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- 3. ALL WORK IS TO BE PERFORMED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS.
- 4. WALL TILE TO BE INSTALLED ON TOP OF FLOOR TILE.
- 5. A PRE-INSTALLATION MEETING WITH THE ARCHITECT IS REQUIRED PRIOR TO THE INSTALLATION OF TILE AND VINYL FLOORING PRODUCTS.
- 6. ALL FLOOR PATTERN DIMENSIONS ARE TYPICAL.
- 7. ALL TILED SURFACES TO BE CENTERED IN SPACE OR ADJUSTED TO AVOID SMALL CUT TILES.
- 8. INSTALL FLOORING MATERIAL TO WALL UNDER OPEN MILLWORK.
- 9. FIELD VERIFY ALL DIMENSIONS NEW OR EXISTING PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.

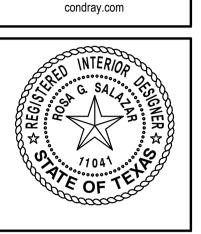
KEYED NOTES

DESIGNATED BY: - #

- 1). PATTERN WIDTH TO BE 1'-0" IN THIS LOCATION.
- 2). PATTERN WIDTH TO BE 2'-0" IN THIS LOCATION.
- 3). PATTERN WIDTH TO BE 3'-0" IN THIS LOCATION. 4). PATTERN WIDTH TO BE 1'-6" IN THIS LOCATION.
- 5). PATTERN TO EXTEND 1'-0" IN THIS LOCATION.
- 6). PATTERN TO EXTEND 1'-6" IN THIS LOCATION.
- 7). PATTERN TO EXTEND 2'-0" IN THIS LOCATION.
- 8). PATTERN TO EXTEND 2'-6" IN THIS LOCATION.
- 9). PATTERN TO EXTEND 4'-0" IN THIS LOCATION. 10). PATTERN TO BE CENTERED IN SPACE/DOORWAY IN THIS
- LOCATION. 11). PATTERN TO ALIGN WITH CORNER OF WALL/MILLWORK.
- 12). INSTALL SCHEDULED TRANSITION STRIP IN THIS AREA.
- 13). SV AND LVT TO BE WELDED AT SEAM IN THIS LOCATION. 14). INSTALL TILE IN A DIAGONAL PATTERN AND CENTER IN SPACE.
- 15). MATERIAL TO BE INSTALLED WITH PATTERN RUNNING EAST/WEST. 16). MATERIAL TO BE INSTALLED WITH PATTERN RUNNING
- NORTH/SOUTH. 17). MATERIAL TO BE INSTALLED WITH MINIMAL SEAMS IN THIS LOCATION.
- 18). CREATE A SEAMLESS TRANSITION BETWEEN MATERIALS IN THIS LOCATION.
- 19). TERRAZZO FLOORING TO BE INSTALLED TO BASE OF MILLWORK.
- COORDINATE LOCATION WITH MILLWORK VENDOR.
- 20). ALIGN HEIGHT OF LVT TO HEIGHT OF TERRAZZO IN THIS
- LOCATION. 21). ALIGN HEIGHT OF WALK-OFF TILE WITH HEIGHT OF TERRAZZO IN THIS LOCATION.







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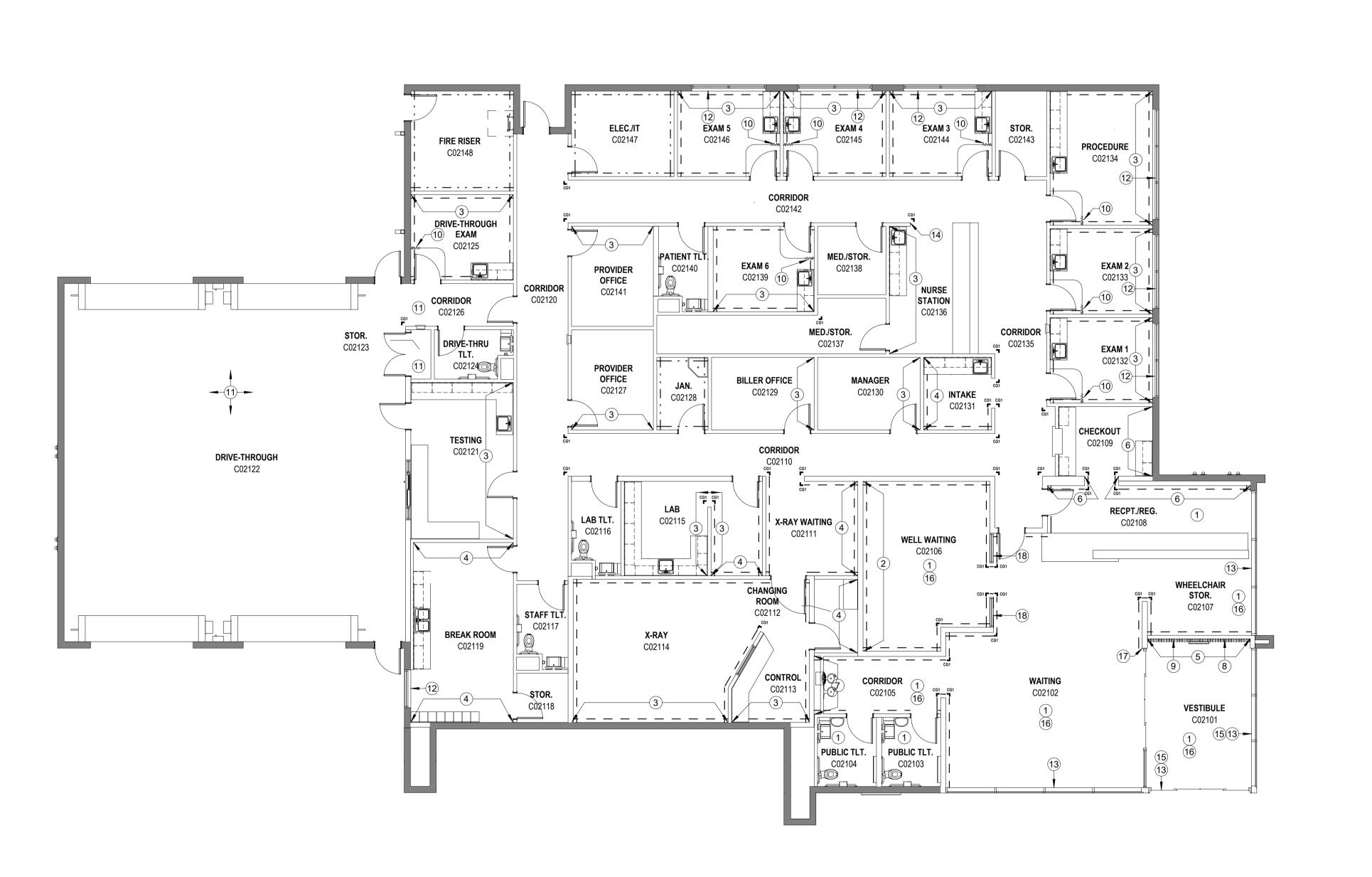




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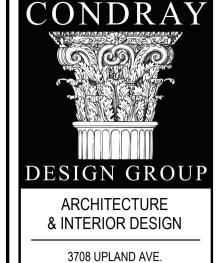


LEGEND

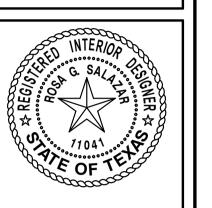
- - - WP1 - WALL PROTECTION WITH TRIM CAP TC1

— - - — FRP1 - FIBER REINFORCED PANEL

CG1 - CORNER GUARD



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FINCHER

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LUBBOCK, TX 79424

PH: 806-701-5109 WWW.FINCHERENG.COM

Nieman Engineering, LLC 1500 Broadway St, Suite 1210

OJD Engineering, LP TX FIRM #F-4393

328 E. Hwy 62, Unit 1

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GENERAL NOTES

- 1. REFER TO PROJECT MANUAL FOR MATERIAL AND ROOM FINISH SCHEDULES.
- 2. REFER TO THE PROJECT MANUAL AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION. SHOULD THERE BE A DISCREPANCY BETWEEN THE DOCUMENTS, SUCH DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONTRACTOR SHALL RECEIVE INSTRUCTION PRIOR TO INSTALLATION OR PERFORMANCE OF SAID WORK. WORK PERFORMED IN CONFLICT WITH THE DRAWINGS OR SCHEDULE SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- 3. ALL WORK IS TO BE PERFORMED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS.
- 4. WALL TILE TO BE INSTALLED ON TOP OF FLOOR TILE.
- 5. A PRE-INSTALLATION MEETING WITH THE ARCHITECT IS REQUIRED PRIOR TO THE INSTALLATION OF TILE AND VINYL FLOORING PRODUCTS.
- 6. ALL FLOOR PATTERN DIMENSIONS ARE TYPICAL.
- 7. ALL TILED SURFACES TO BE CENTERED IN SPACE OR ADJUSTED TO AVOID SMALL CUT TILES.
- 8. INSTALL FLOORING MATERIAL TO WALL UNDER OPEN MILLWORK.
- 9. FIELD VERIFY ALL DIMENSIONS NEW OR EXISTING PRIOR TO CONSTRUCTION AND ADJUST WHERE REQUIRED TO PROVIDE A PROPER AND COMPLETE INSTALLATION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS.
- 10. INSTALL CORNER GUARDS ON ALL OUTSIDE CORNERS, UNLESS NOTED OTHERWISE, FROM TOP OF BASE IN FULL LENGTHS OR TO UNDERSIDE OF TRIM CAP WHERE PRESENT.
- 11. FRP TO BE INSTALLED PRIOR TO EQUIPMENT.

KEYED NOTES

DESIGNATED BY: - #

- 1). WALLS TO BE PAINTED P1 IN THIS LOCATION.
- 2). WALL TO BE PAINTED P2 IN THIS LOCATION AS ACCENT.
- 3). WALL TO BE PAINTED P3 IN THIS LOCATION.
- 4). WALL TO BE PAINTED P4 IN THIS LOCATION. 5). WALL TO BE PAINTED P5 IN THIS LOCATION.
- 6). WALL TO BE PAINTED P6 IN THIS LOCATION.
- CEILING IN THIS LOCATION. 8). DWM1 TO BE INSTALLED AS A WALL FINISH IN THIS LOCATION.

7). DECO TILE DT2 TO BE INSTALLED VERTICALLY FROM FLOOR TO

- 9). NO WALL BASE IN THIS LOCATION.
- 10). PRIVACY CURTAIN TO BE INSTALLED IN THIS LOCATION AS SCHEDULED.
- 11). WALLS TO HAVE EPOXY PAINT IN THIS AREA AS SCHEDULED. 12). INSTALL RS1 ROLLER SHADE.
- 13). INSTALL RS2 ROLLER SHADE FACE-MOUNTED ON WALL IN THIS
- 14). P5 ON FURRDOWN TO STOP AT CONTROL JOINT IN THIS LOCATION.
- 15). INSTALL ROLLER SHADES ON UPPER WINDOWS ONLY IN THIS
- LOCATION. 16). WB2 TO BE USED IN THIS AREA.
- 17). J-TRIM TO BE INSTALLED VERTICALLY IN THIS LOCATION TO
- PROVIDE A CLEAN TERMINATION OF THE WALL PROTECTION. 18). DGP1 TO BE INSTALLED IN THIS LOCATION AS SCHEDULED.



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SHEET NO.

OF

WALL FINISH PLAN SCALE: 1/8" = 1'-0"

MECHANICAL GENERAL NOTES 1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THESE PLANS AND SPECIFICATIONS IN ADDITION TO THE RELATED PLUMBING, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, AND CIVIL ENGINEERING DRAWINGS TO BECOME FAMILIAR WITH THE ENTIRE SCOPE OF THE PROJECT. IN ADDITION, THE CONTRACTOR MUST COORDINATE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO FULLY UNDERSTAND ALL REQUIREMENTS WHICH MAY NOT BE SPECIFIED HEREIN AND WHICH THE OWNER MAY CONSIDER PART OF THIS CONTRACT. DURING THE COURSE OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO WORK CLOSELY WITH ALL ACCOMPANYING CONTRACTORS AND TRADESMEN IN ORDER TO ENSURE A SMOOTH RUNNING AND CAREFULLY COORDINATED 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, NATIONAL, CITY, STATE, AND ANY LOCAL ORDINANCES WHICH MAY BE IN EFFECT. ALL MATERIALS, INSTALLATION PROCEDURES, AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE CODE ENFORCEMENT AUTHORITIES HAVING JURISDICTION, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PAY FOR ALL NECESSARY PERMITS AND APPROVALS FOR 3. THE CONTRACTOR SHALL PROVIDED ALL NECESSARY COMPONENTS FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM FOR THE BUILDING OWNER. MATERIALS, EQUIPMENT OR LABOR NOT INDICATED, BUT WHICH CAN BE REASONABLY INFERRED TO BE NECESSARY FOR A COMPLETE INSTALLATION SHALL BE PROVIDED. THE DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO INDICATE EVERY ITEM OF MATERIAL, EQUIPMENT OR LABOR REQUIRED TO PRODUCE A SAFE, COMPLETE AND PROPERLY OPERATING 4. THE DRAWING SHEETS SHALL BE PRINTED USING THE CORRECT PAPER SIZE IN ORDER FOR ANY SCALED ITEMS TO BE ACCURATE. HOWEVER, THE CONTRACTOR SHALL NOT RELY ON THE SCALED DRAWINGS FOR EXACT MEASUREMENTS. THE LOCATIONS, ARRANGEMENT AND EXTENT OF EQUIPMENT, PIPING, DUCTWORK, AND ITEMS RELATED TO THE INSTALLATION OF THE MECHANICAL WORK SHOWN ARE APPROXIMATE. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. 5. ANY DISCREPANCIES OR INADEQUACIES WITHIN THESE BID DOCUMENTS OR BETWEEN THESE BID DOCUMENTS AND THE RELATED PLUMBING FIRE PROTECTION ELECTRICAL STRUCTURAL ARCHITECTURAL INTERIOR AND CIVIL ENGINEERING DRAWINGS OR BETWEEN THESE BID DOCUMENTS AND FIELD CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. SHOULD THE CONTRACTOR REQUIRE FURTHER CLARIFICATION. AN RFI SHALL BE SUBMITTED FOR CLARIFICATION. WHERE CONFLICTS DO EXIST THE PROJECT ENGINEER OF RECORD, THROUGH THE ARCHITECT, SHALL HAVE SOLE DISCRETION AND RIGHT TO PROVIDE INTERPRETATION OF INTENT OF THE CONTRACT DOCUMENTS AS REQUIRED. THIS INTERPRETATION SHALL SERVE TO DIRECT THE CONTRACTOR IN ACCORDANCE WITH THE IMPLIED INTENT OF THE CONSTRUCTION DOCUMENTS WITHOUT ADDITIONAL COST TO THE 6. THE CONTRACTOR SHALL PROVIDE THE BUILDING OWNER WITH A COMPLETE SET OF "AS BUILT" DRAWINGS SHOWING ALL FIELD MODIFICATIONS THAT DEVIATE FROM THE CONSTRUCTION SET OF PLANS AT THE COMPLETION OF THE PROJECT. 7. ORDER OF PRECEDENCE SHALL BE OBSERVED IN LAYING OUT THE PIPE, DUCTWORK, MATERIAL, AND CONDUIT IN ORDER TO FIT THE MATERIAL INTO THE SPACE ABOVE THE CEILING AND IN THE CHASES AND WALLS. THE FOLLOWING ORDER SHALL GOVERN: 1. ITEMS AFFECTING THE VISUAL APPEARANCE OF THE INSIDE OF THE BUILDING SUCH AS LIGHTING FIXTURES, DIFFUSERS, GRILLES, OUTLETS, PANELBOARDS, ETC. COORDINATE ALL ITEMS TO AVOID CONFLICTS AT THE SITE. 2. LINES REQUIRING GRADE TO FUNCTION SUCH AS SEWERS, ROOF DRAINS AND CONDENSATE DRAINS. 3 LARGE DUCTS AND PIPES WITH CRITICAL CLEARANCES 4. FIRE SPRINKLER LINES, CONDUIT, WATER LINES, AND OTHER LINES WHOSE ROUTING IS NOT CRITICAL AND WHOSE FUNCTION WOULD NOT BE IMPAIRED BY BENDS AND OFFSETS. 8. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ALL MECHANICAL UNITS WITH NEW AIR FILTERS THROUGHOUT THE CONSTRUCTION DURATION TO PROTECT THE EQUIPMENT FROM DEBRIS. PROVIDE A NEW SET OF FILTERS UPON TESTING AND BALANCING, AND ANOTHER NEW SET OF FILTERS FOR OWNER'S FIRST FILTER CHANGE AFTER OCCUPANCY. 9. DURING CONSTRUCTION, ALL OPEN ENDED DUCTS AND PIPES SHALL BE COVERED TO PREVENT DEBRIS FROM GETTING INSIDE. THE CONTRACTOR SHALL ALSO PROVIDE TEMPORARY HEATING INSIDE THE BUILDING IF REQUIRED TO AVOID FREEZING OF WATER PIPING 10. HANDLE AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S AND SUPPLIER'S RECOMMENDATIONS AND IN A MANNER TO PREVENT DAMAGE TO MATERIALS DURING STORAGE AND HANDLING. REPLACE DAMAGED MATERIALS AS NEEDED AT NO ADDITIONAL COST TO THE OWNER. EQUIPMENT AND MATERIALS SHALL NOT BE INSTALLED UNTIL SUCH TIME AS THE ENVIRONMENTAL CONDITIONS OF THE JOB SITE ARE SUITABLE TO PROTECT THE EQUIPMENT OR MATERIALS. EQUIPMENT OR MATERIALS DAMAGED. OR WHICH ARE SUBJECTED TO THESE ELEMENTS. ARE UNACCEPTABLE AND SHALL BE REMOVED FROM THE PREMISES AND I1. ROUTE DUCTS AND PIPES PARALLEL AND PERPENDICULAR TO THE BUILDING STRUCTURE UNLESS OTHERWISE SHOWN ON PLANS. INSTALL ALL DUCTS AND PIPING AS HIGH AS POSSIBLE WITHIN THE AVAILABLE SPACE. MECHANICAL EQUIPMENT, DUCTS, AND PIPES SHALL BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURE. INSTALL DUCTS AND PIPES TO ALLOW FOR THE REMOVAL OF ALL CEILING TILES. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATION OF ALL CEILING MOUNTED AIR

DISTRIBUTION DEVICES AND LIGHT FIXTURES. COORDINATE AS REQUIRED TO AVOID CONFLICTS.

CEILING AT ALL THERMOSTAT/SENSOR LOCATIONS

MINIMIZE UNNECESSARY PRESSURE DROP WITHIN THE SYSTEM

WITH PRIMER COVER PLATE FOR FIELD PAINTING TO MATCH CEILING.

DEFINED TO INCLUDE ALL DISCIPLINES AND DIVISIONS OF THE CONTRACT.

WOULD CAUSE A NUISANCE.

12. LOCATE ALL THERMOSTATS, HUMIDISTATS, CONTROLLERS, AND SENSORS AT 48" A.F.F. UNLESS NOTED OTHERWISE. MOUNT AT MINIMUM OF SIX INCHES FROM WALL CORNERS. COORDINATE THE MOUNTING LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.

PROVIDE LABEL AT EACH THERMOSTAT INDICATED THE UNIT MARK. MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL ALL

13. MAINTAIN MINIMUM 10'-0" SEPARATION BETWEEN OUTSIDE AIR INTAKES AND ALL EXHAUST FANS, FLUES, AND PLUMBING VENTS.

14. PROVIDE P-TRAP AND CONDENSATE DRAIN LINE AT ALL UNITS, REFER TO DETAILS AND SPECIFICATIONS. CONDENSATE DRAINS SHALL BE ROUTED TO THE NEAREST APPROVED MOP SINK, FLOOR SINK, FLOOR DRAIN, OR OTHER APPROVED RECEPTOR WITH AN INDIRECT CONNECTION AS SHOWN ON PLANS. CONDENSATE SHALL NOT BE ALLOWED TO DRAIN ONTO ANY WALKWAY AREA THAT

15. REFRIGERANT PIPING IS SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. CONTRACTOR SHALL COORDINATE EXACT ROUTING OF

16. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING OF DUCTWORK AT JOBSITE WITH ALL FIELD CONDITIONS PRIOR TO DUCT

FABRICATION, ROUTE DUCTS AS REQUIRED, PROVIDE OFFSETS AS REQUIRED, AND CHANGE DUCT SIZES IF REQUIRED WHILE MAINTAINING EQUAL FREE AREA IN DUCT. CONTRACTOR SHALL UTILIZE THE STRAIGHTEST DUCT ROUTING PATH POSSIBLE TO

PIPING AT JOBSITE. PROVIDE ALL REQUIRED OFFSETS AND ELBOWS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. THE

17. WHEREVER THE MANUAL BALANCING DAMPERS ARE RENDERED INACCESSIBLE BEHIND NON REMOVABLE CEILINGS OR FURRINGS.

OR OTHER CONSTRUCTION THAT IS NOT EASILY REMOVABLE TO PERMIT ACCESS TO THE DAMPERS. THE DAMPERS SHALL BE EQUAL

18. ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS. NO ALLOWANCE HAS BEEN MADE FOR INTERNAL

19. ALL DUCT AND PIPE PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND ROOFS SHALL BE FULLY SEALED APPROPRIATELY.

20. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURE'S INSTRUCTIONS WITH PROPER SUPPORTS OR

MOUNTING DEVICES. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES AROUND EQUIPMENT AT A MINIMUM.

TALL CLEAR WALKWAY TO EACH UNIT, COORDINATE THESE REQUIREMENTS WITH ALL TRADES IN THE FIELD, ALL MECHANICAL

21. ANY COST INCURRED AS A RESULT OF VALUE ENGINEERING OR DEVIATIONS FROM THE BASIS OF DESIGN INDICATED IN THE

CONTRACT DOCUMENTS (E.G. ELECTRICAL MODIFICATIONS TO ACCOMMODATE ALTERNATE EQUIPMENT SELECTIONS, DESIGN

INCREASE IN CONTRACT COST WILL BE GRANTED UNLESS APPROVED IN WRITING BY THE OWNER. CONTRACT DOCUMENTS ARE

23. PIPING SHALL NOT BE ROUTED THROUGH ELECTRICAL OR I.T. ROOMS, OR DIRECTLY ABOVE ELECTRICAL PANELS OR ELECTRICAL

24. ANY PORTIONS OF DUCTWORK VISIBLE THROUGH AIR DISTRIBUTION DEVICES IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.

25. ALL RETURN AND EXHAUST GRILLES THAT ARE LOUVERED BLADE TYPE SHALL BE INSTALLED WITH THE BLADES ORIENTED IN THE

26. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS TO ALLOW ADEQUATE ROOM FOR MAINTENANCE OF MECHANICAL

ANGLE THAT ALLOWS FOR THE LEAST AMOUNT OF VISIBILITY THROUGH THE GRILLE BY THE BUILDING OCCUPANTS.

PROVIDE VIBRATION ISOLATION FOR ALL MOVING PIECES OF FOUIPMENT, DO NOT ROUTE PIPING, DUCTWORK, CONTROL WIRE, ETC.

EQUIPMENT SHALL BE LABELED WITH A PERMANENT 2" TALL LABEL WITH 1" TALL TEXT. BLACK LABEL WITH WHITE TEXT, OR WHITE

THROUGH THE SERVICE CLEARANCE AREAS, UNITS LOCATED IN ATTICS, MEZZANINES, OR DECKED AREAS SHALL HAVE A 3' WIDE BY 5'

RELATED EXPENSES FOR REQUIRED DRAWING MODIFICATIONS, ETC.) SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NO

PENETRATIONS OF WALLS, CEILINGS, AND FLOORS THAT ARE OPENLY VISIBLE TO BUILDING OCCUPANTS.

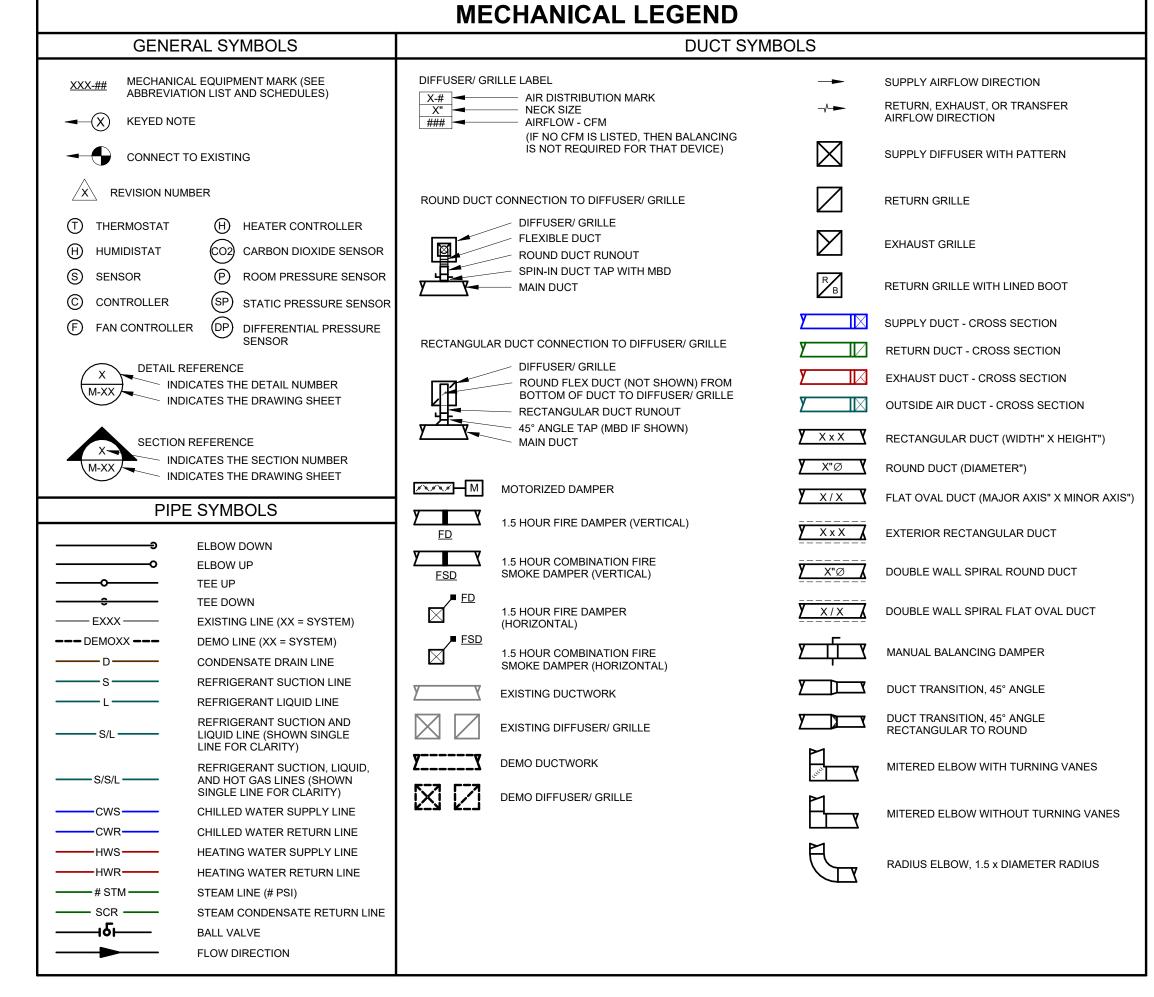
22. EXPOSED DUCTWORK SHALL HAVE PAINT GRIP FINISH, AND PAINTED AS DIRECTED BY ARCHITECT.

EQUIPMENT AND FIRE DAMPERS. PROVIDE LABEL ON ACCESS DOOR INDICATED THE EQUIPMENT

INSTALL SLEEVES FOR PIPING PENETRATIONS FOR RATED WALLS AND FLOORS. INSTALL CHROME PLATED ESCUTCHEONS FOR PIPING

TO YOUNG REGULATOR NO. 1200 RIGHT ANGLE WORM GEAR REGULATOR, FLEX SHAFT, AND 301-FS CONCEALED DAMPER REGULATOR

THERMOSTATS AND INSTALL ALL THERMOSTAT WIRING. ELECTRICIAN TO PROVIDE BACK BOX WITH CONDUIT UP TO ACCESSIBLE



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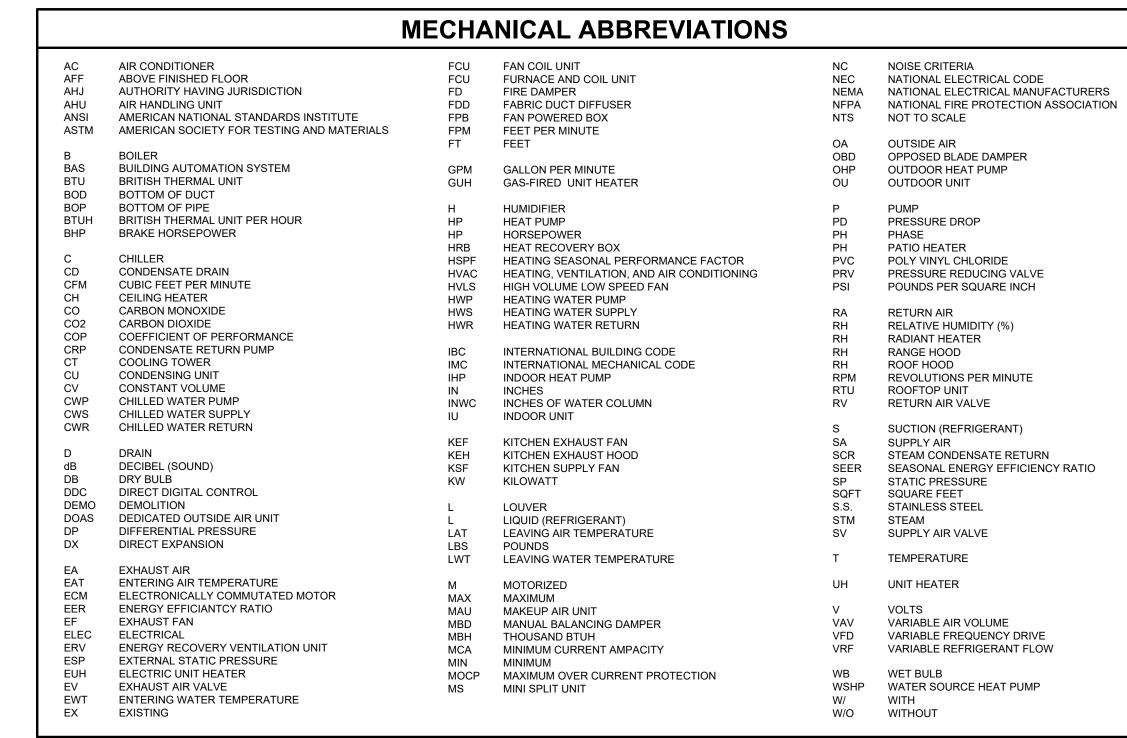
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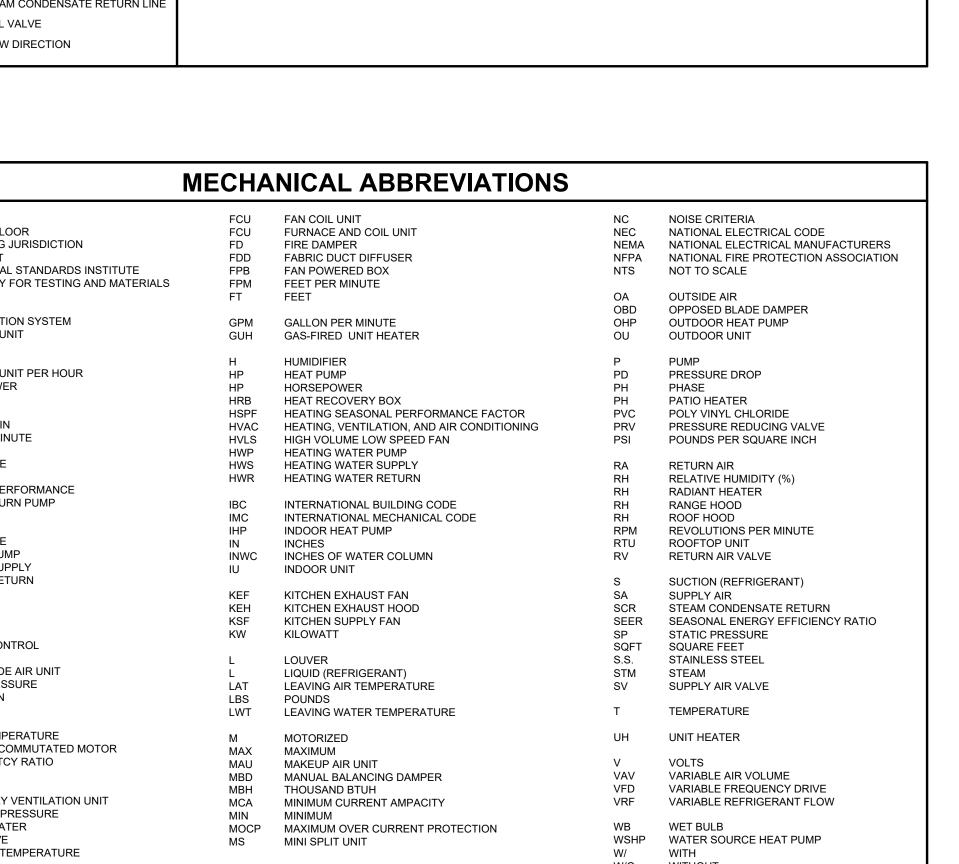
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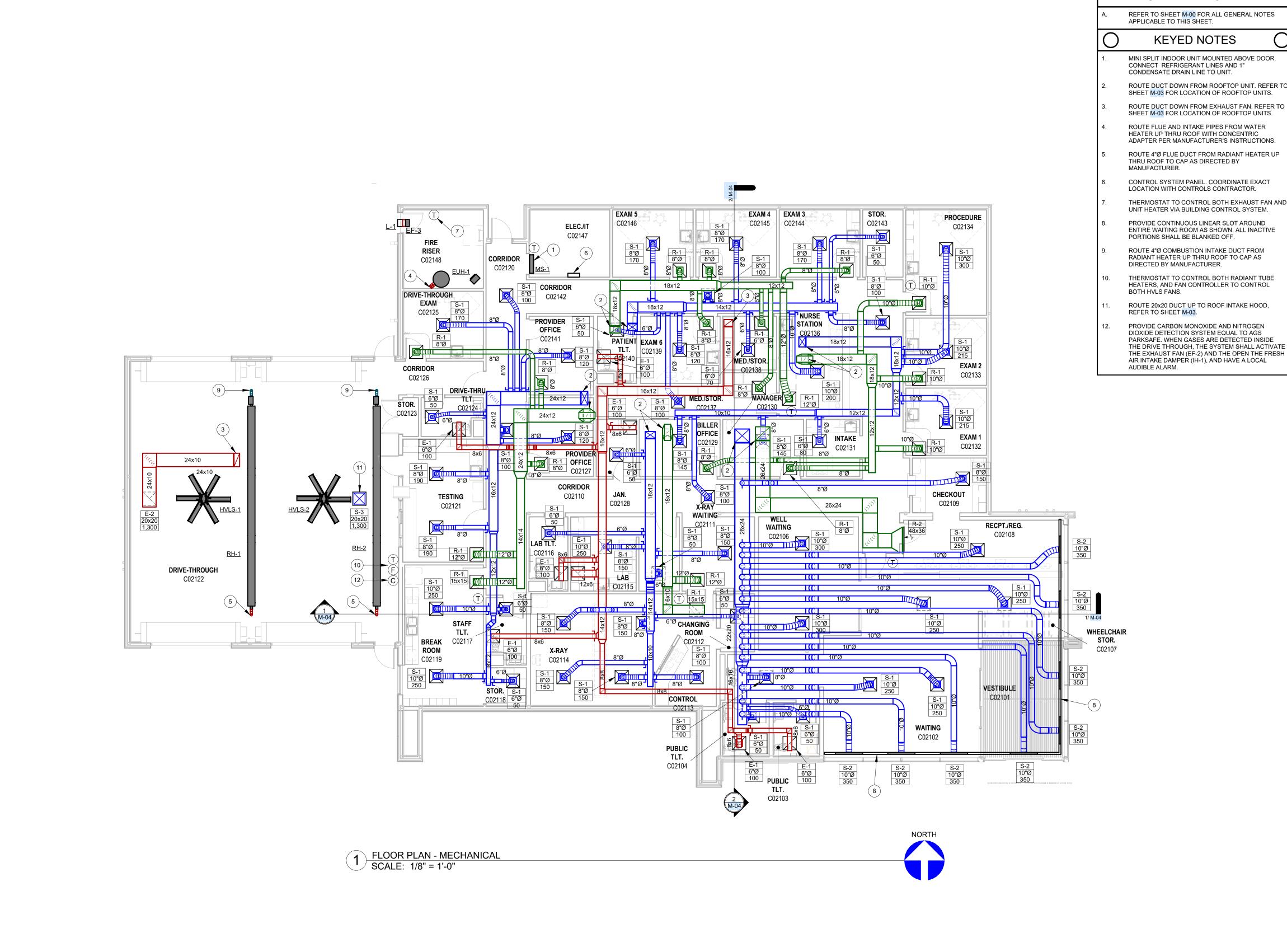
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GENERAL NOTES

REFER TO SHEET M-00 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.

KEYED NOTES

MINI SPLIT INDOOR UNIT MOUNTED ABOVE DOOR. CONNECT REFRIGERANT LINES AND 1"

CONDENSATE DRAIN LINE TO UNIT.

SHEET M-03 FOR LOCATION OF ROOFTOP UNITS.

ROUTE FLUE AND INTAKE PIPES FROM WATER HEATER UP THRU ROOF WITH CONCENTRIC ADAPTER PER MANUFACTURER'S INSTRUCTIONS.

ROUTE 4"Ø FLUE DUCT FROM RADIANT HEATER UP THRU ROOF TO CAP AS DIRECTED BY MANUFACTURER.

CONTROL SYSTEM PANEL. COORDINATE EXACT LOCATION WITH CONTROLS CONTRACTOR.

THERMOSTAT TO CONTROL BOTH EXHAUST FAN AND

UNIT HEATER VIA BUILDING CONTROL SYSTEM.

ROUTE 4"Ø COMBUSTION INTAKE DUCT FROM

THERMOSTAT TO CONTROL BOTH RADIANT TUBE HEATERS, AND FAN CONTROLLER TO CONTROL

ROUTE 20x20 DUCT UP TO ROOF INTAKE HOOD,

PROVIDE CARBON MONOXIDE AND NITROGEN DIOXIDE DETECTION SYSTEM EQUAL TO AGS

PARKSAFE. WHEN GASES ARE DETECTED INSIDE THE DRIVE THROUGH, THE SYSTEM SHALL ACTIVATE THE EXHAUST FAN (EF-2) AND THE OPEN THE FRESH AIR INTAKE DAMPER (IH-1), AND HAVE A LOCAL

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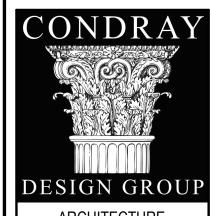
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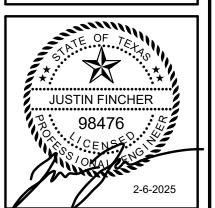




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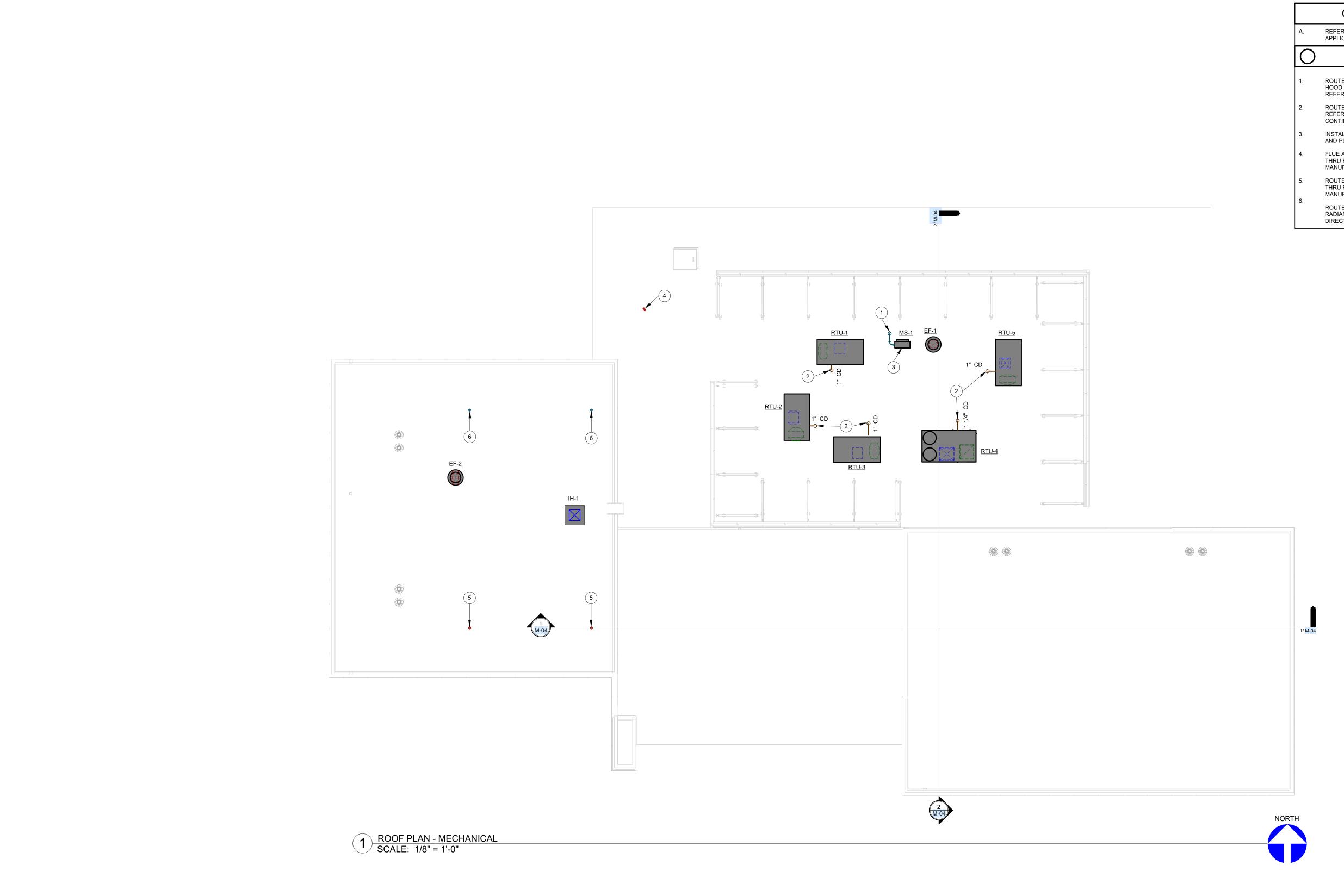
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PROJECT NO. 22415

PROJECT NO.

DATE: 2

SHEET NO.



GENERAL NOTES

REFER TO SHEET M-00 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.

KEYED NOTES

ROUTE REFRIGERANT LINES DOWN THRU ROOF IN HOOD ENCLOSURE SYSTEM, REFER TO DETAIL. REFER TO SHEET M-02 FOR CONTINUATION.

- ROUTE CONDENSATE DRAIN LINE DOWN THRU ROOF, REFER TO DETAIL. REFER TO SHEET M-02 FOR CONTINUATION.
- INSTALL CONDENSING UNIT ON MOUNTING CURB AND PLATFORM, REFER TO DETAIL.
- FLUE AND INTAKE PIPES FROM WATER HEATER UP THRU ROOF IN CONCENTRIC ADAPTER PER MANUFACTURER'S REQUIREMENTS.
- ROUTE 4"Ø FLUE DUCT FROM RADIANT HEATER UP THRU ROOF TO CAP AS DIRECTED BY MANUFACTURER.
- ROUTE 4"Ø COMBUSTION INTAKE DUCT FROM RADIANT HEATER UP THRU ROOF TO CAP AS DIRECTED BY MANUFACTURER.

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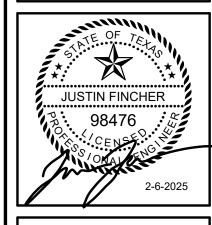
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PROJECT NO.

SHEET NO.

1 MECHANICAL SECTION #1 SCALE: 1/8" = 1'-0" ROOF 118' - 1" 20x22 CORRIDOR C02105 X-RAY WAITING PUBLIC TLT. C02104 CHANGING ROOM EXAM 4 CORRIDOR MED./STOR. MED./STOR. MANAGER CORRIDOR C02130 C02110 C02137 C02111 C02112 FIRST FLOOR 2 MECHANICAL SECTION #2 SCALE: 1/8" = 1'-0"

S-1 10"Ø 250 S-1 10"Ø 250 S-2 10"Ø 350 WHEELCHAIR **STOR**. C02107 BREAK ROOM C02119 DRIVE-THROUGH WELL WAITING STAFF TLT. C02117 WAITING C02122 C02102 **X-RAY** C02114 C02106 laaaa. FIRST FLOOR DESIGN GROUP ARCHITECTURE & INTERIOR DESIGN 3708 UPLAND AVE. LUBBOCK, TX 79407 806.748.6190 condray.com











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PROJECT NO.

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| | | BASIS | OF DESIGN | | | | FAN DA | ГА | | | | | COOLIN | G DATA (DX | - R454B) | | | | | HEAT | ING DATA | (NATURAL GA | AS) | | ELEC | CTRICAL D | DATA | | | |
| MARK | SERVES | MANUFACTURER | MODEL | NOMINAL TONS | CFM | OA CFM | OA CONTROL | ESP | НР | DRIVE | AMBIENT (°F) | EAT (DB/WB) | LAT (DB/WB) | MBH (TOTAL) | MBH (SENS.) | STAGES | SEER2/EER | AMBIENT (°F) | EAT (DB) | LAT (DB) | INPUT (MBH) | OUTPUT (MBH) | EFFICIENCY | STAGES | VOLTS/P H | MCA | МОСР | FILTER DATA | CONFIGURATION | WEIGHT (LBS) |
| RTU-1 | EXAM ROOMS | LENNOX | LGT036H5E | 3 | 1,300 | 200 | CV | 0.7" | 0.5 | ECM | 105 | 76/62 | 51.9/51.9 | 34.7 | 25.3 | 2 | 17.5/ | 10 | 58.0 | 98.9 | 65.0 | 52.0 | 81% | 2 | 480/3 | 10 | 15 | 2" MERV 8 | VERTICAL | 630 |
| RTU-2 | EXAM ROOMS | LENNOX | LGT048H5E | 4 | 1,700 | 250 | CV | 0.7" | 1.0 | ECM | 105 | 76/62 | 52.4/51.9 | 46.1 | 32.5 | 2 | 17.3/ | 10 | 58.0 | 107.8 | 108.0 | 87.0 | 81% | 2 | 480/3 | 13 | 15 | 2" MERV 9 | VERTICAL | 629 |
| RTU-3 | X-RAY | LENNOX | LGT036H5E | 3 | 1,200 | 200 | CV | 0.7" | 0.5 | ECM | 105 | 76/62 | 51.9/51.9 | 34.7 | 25.3 | 2 | 17.5/ | 10 | 58.0 | 98.9 | 65.0 | 52.0 | 81% | 2 | 480/3 | 10 | 15 | 2" MERV 8 | VERTICAL | 630 |
| RTU-4 | WAITING | LENNOX | LGT150H5E | 12.5 | 5,000 | 750 | CV | 0.7" | 3.75 | ECM | 105 | 76/62 | 53.7/52.5 | 131.0 | 95.6 | 3 | /10.8 | 10 | 58.0 | 93.9 | 240.0 | 194.0 | 81% | 2 | 480/3 | 28 | 35 | 2" MERV 8 | VERTICAL | 1152 |
| RTU-5 | OFFICES | LENNOX | LGT036H5E | 3 | 1,200 | 200 | CV | 0.7" | 0.5 | ECM | 105 | 76/62 | 51.9/51.9 | 34.7 | 25.3 | 2 | 17.5/ | 10 | 58.0 | 98.9 | 65.0 | 52.0 | 81% | 2 | 480/3 | 10 | 15 | 2" MERV 8 | VERTICAL | 630 |

- THE SCHEDULED MODELS, EFFICIENCIES, AND CAPACITIES REPRESENT THE MINIMUM REQUIRED PERFORMACE THAT MUST BE MET. ALTERNATIVES MUST MEET OR EXCEED THE SCHEDULED PERFORMACE DATA. ANY CHANGES TO THE ELECTRICAL POWER REQUIREMENTS DUE TO A. EQUIPMENT SUBSTITUTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE PROVIDED WITH NO ADDITIONAL COST TO THE OWNER. AWICCEPTABLE MANUFACTURERS ARE LENNOX, TRANE, CARRIER, AAON, OR APPROVED EQUAL.
- B. ALL SELECTIONS BASED ON JOBSITE ELEVATION.
- C. UNIT WEIGHTS DO NOT INCLUDE ROOF CURB.
- D. PROVIDE ALL UNITS WITH 3 COMPLETE SETS OF FILTERS: 1 DURING CONSTRUCTION, 1 AT FINAL COMPLETION, AND 1 TO OWNER FOR FIRST FILTER CHANGE AFTER OCCUPANCY.
- E. ALL UNITS 2000 CFM AND ABOVE PROVIDED WITH DUCT SMOKE DETECTORS, REFER TO ELECTRICAL.
- F. PROVIDE ALL UNITS WITH THE FOLLLOWING ACCESSORIES:
- LOW VOLTAGE TERMINAL STRIP FOR FULL CONTROL THRU BAS. THERMOSTAT TO BE PROVIDED BY BAS CONTRACTOR. INTEGRAL CONTROL SYSTEM SUPPLIED WITH UNIT SHALL BE FOR MONITORING ALARMS ONLY. COORDINATE WITH CCSI PRIOR TO BID.
- REFRIGERANT DETECTION SYSTEM AND MITIGATION RESPONSE MEETING REQUIREMENTS OF UL 60335-2-40.
- MICROPROCESSOR CONTROLS WITH OVERLOAD PROTECTOIN, VOLTAGE/PHASE DETECTION AND AIRFLOW TEMPERATURE SENSORS IN OA, RA, AND SA.
- LOW AMBIENT KIT DOWN TO 0 DEGREES F.
- HINGED ACCESS PANELS.
- DUAL ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF AND FAULT DETECTION AND DIAGNOSTICS.
- FACTORY INSTALLED DISCONNECT.
- HAIL GUARD.
- UNPOWERED CONVENIENCE OUTLET.
- 14" TALL ROOF CURB (VERIFY COMPATIBILITY WITH ROOF SLOPE AND TYPE)

| | | | | EX | HAU | ST FA | N SCHE | DULE | | | | |
|------|----------------|--------------|-------------|-------|------|-------|------------|------------|----------|-------|-----------------|--------|
| MARK | TYPE | BASIS O | F DESIGN | CFM | ESP | RPM | MOTOR SIZE | MOTOR | CONTROL | SONES | ELECTRICAL DATA | WEIGHT |
| WARK | ITPE | MANUFACTURER | MODEL | CFIVI | ESP | KPIVI | WOTOR SIZE | DRIVE/TYPE | CONTROL | SUNES | VOLTS/PH | (LBS) |
| EF-1 | ROOF DOWNBLAST | GREENHECK | G-120-VG | 910 | 0.7" | 1,270 | 1/2 HP | ECM | THRU BAS | 9.6 | 120/1 | 73 |
| EF-2 | ROOF DOWNBLAST | GREENHECK | G-120-VG | 1,300 | 0.7" | 1,460 | 1/2 HP | ECM | THRU BAS | 12.2 | 120/1 | 73 |
| EF-3 | WALL MOUNTED | GREENHECK | SE1-8-440-G | 200 | 0.2" | 1,350 | 1/50 HP | ECM | SEE PLAN | 3.4 | 120/1 | 16 |

- ANY CHANGES TO THE ELECTRICAL POWER REQUIREMENTS DUE TO EQUIPMENT SUBSTITUTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE A. PROVIDED WITH NO ADDITIONAL COST TO THE OWNER. ACCEPTABLE MANUFACTURERS ARE GREENHECK, COOK, PENN BARRY, OR APPROVED EQUAL.
- B. ALL SELECTIONS BASED ON JOBSITE ELEVATION. C. PROVIDE ALL FANS WITH THE FOLLOWING ACCESSORIES:
- D. ALL FANS TO BE CONNECTED AND CONTROLLED BY BUILDING CONTROL SYSTEM. REFER TO SPECIFICATIONS.
- DISCONNECT SWITCH.
- FAN MOUNTED SPEED CONTROLLER. TEST AND BALANCE CONTRACTOR SHALL ADJUST FAN PERFORMANCE THROUGH THE SPEED CONTROLLER.
- INSULATED HOUSING ON ALL CEILING MOUNTED FANS.
- BACKDRAFT DAMPER.
- 14" TALL ROOF CURB (VERIFY COMPATIBILITY WITH ROOF SLOPE AND TYPE)

| | | | | | MIN | II SP | LIT UN | NIT S | CHED | ULE | | | | | | | |
|------|------------------|--------------|----------------------|-----------------------|-----------------|-------|----------|-------|-------------------|--------|-------------------|-------|-----------------|----------|------|---------------------------|------------------------------|
| | | | BASIS OF DE | SIGN | | | FAN DATA | | COOLIN | G DATA | HEATING | DATA | ELEC | TRICAL D | ATA | | |
| MARK | INDOOR UNIT TYPE | MANUFACTURER | INDOOR UNIT MODEL | OUTDOOR UNIT MODEL | NOMINAL TONS | CFM | O.A. CFM | ESP | CAPACITY (MBH) | SEER2 | CAPACITY (MBH) | HSPF2 | VOLTS/ PHASE | MCA | МОСР | REFRIGERANT LINE SIZES | OUTDOOR UNIT WEIGHT (LBS) |
| MS-1 | WALL MOUNTED | LG | LSN243HLV3 | LSU243HVL3 | 2.0 | 919 | 0 | 0 | 22.0 | 22.0 | 26.0 | 9.5 | 208/1 | 19.0 | 30 | 3/8"L, 5/8" S | 135 |

- ANY CHANGES TO THE ELECTRICAL POWER REQUIREMENTS DUE TO EQUIPMENT SUBSTITUTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE PROVIDED WITH NO ADDITIONAL COST A. TO THE OWNER. VERIFY REFRIGERANT LINE SIZES WITH MANUFACTURER. ACCEPTABLE MANUFACTURERS ARE LG, CARRIER, MITSUBISHI, TRANE, DAIKIN, OR APPROVED EQUAL.
- B. ALL SELECTIONS BASED ON STANDARD AHRI CONDITIONS.
- C. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.
- D. PROVIDE ALL UNITS WITH THE FOLLOWING ACCESSORIES:
- LOW VOLTAGE TERMINAL STRIP FOR FULL CONTROL THRU BAS. THERMOSTAT TO BE PROVIDED BY BAS CONTRACTOR.
- LOW AMBIENT KIT.
- CONDENSATE PUMP FOR ALL WALL MOUNTED INDOOR UNITS, EQUAL TO ASPEN MINI WHITE SILENT +.
- HAIL GUARD FOR CONDENSING UNIT.
- PROVIDE WITH EXTENDED WARRANTY: 10 YEARS FOR COMPRESSOR AND ALL PARTS.
- PROVIDE WITH 4" TALL ROOF MOUNTING RAILS, EQUAL TO BIGFOOT SYSTEMS MINI SPLIT KIT.

| GAS RADIANT TUBE HEATER SCHEDULE | | | | | | | | | | | | |
|----------------------------------|--------------|--------|---------|--------|-------------|------------|--------|--------------|--|--|--|--|
| MARK | BASIS OF I | DESIGN | INPUT | LENGTH | TYPE | THERMAL | STAGES | ELEC. DATA | | | | |
| WARK | MANUFACTURER | MODEL | (MBTUH) | LENGIA | ITPE | EFFICIENCY | STAGES | VOLTS/ PHASE | | | | |
| RH-1 | SUNSTAR | SPS 75 | 75 | 20' | SINGLE TUBE | 80% | 2 | 120/1 | | | | |
| RH-2 | SUNSTAR | SPS 75 | 75 | 20' | SINGLE TUBE | 80% | 2 | 120/1 | | | | |
| | | | | | | | | | | | | |

- A. PROVIDE WALL MOUNTED THERMOSTAT, REFER TO CONTROL SPECIFICATIONS.
- B. ANGLE OF DEFLECTOR BLADES SHALL BE 45°.
- C. SUSPEND FROM BUILDING STRUCTURE PER MANUFACTUER'S INSTRUCTIONS.
- D. PROVIDE WITH FLUE PIPE AND ROOF FLUE CAP PER MANUFACTURER'S INSTRUCTIONS.

A. PROVIDE WALL CONTROLLER/THERMOSTAT THROUGH BUILDING CONTROL SYSTEM.

| | ELECTRIC UNIT HEATER SCHEDULE | | | | | | | | | | | | | |
|------|-------------------------------|----------|-----|-------|--------|-------|--------|--------------|--|--|--|--|--|--|
| MARK | BASIS OF D | DESIGN | KW | CFM | FAN HP | THROW | STAGES | ELEC. DATA | | | | | | |
| | MANUFACTURER | MODEL | rvv | CFIVI | FANTP | INKOW | STAGES | VOLTS/ PHASE | | | | | | |
| UH-1 | BERKO | HUHAA548 | 5 | 350 | 1/100 | 12' | 1 | 480/3 | | | | | | |

| | AIR DISTRIBUTION SCHEDULE | | | | | | | | | | | | | | |
|--------|---------------------------|--------------|--------|-----------|----------|----------|--------|----------|--------|--------|----------|------------|---|--|--|
| MARK | TYPE | BASIS OF DE | SIGN | FACE SIZE | LOCATION | FRAME | FINISH | MATERIAL | MAX NC | MAX PD | DAMPER | PATTERN | DESCRIPTION | | |
| IVIARA | ITPE | MANUFACTURER | MODEL | FACE SIZE | LOCATION | (NOTE C) | гіміэп | MATERIAL | WAX NC | WAXPD | DAIVIPER | PATTERN | DESCRIPTION | | |
| S-1 | SUPPLY | TITUS | OMNI | 24x24 | CEILING | ТВ | WHITE | STEEL | 20 | 0.08" | NONE | 4-WAY | SQUARE PLAQUE DIFFUSER | | |
| S-2 | SUPPLY | TITUS | FL15 | 1.5" SLOT | CEILING | ТВ | WHITE | ALUMINUM | 25 | 0.1" | NONE | JET THROW | LINEAR SLOT, (1) 1.5" SLOT, 48" LONG, W/ PLENUM | | |
| S-3 | SUPPLY | TITUS | PAR-AA | 24x24 | CEILING | PF | WHITE | ALUMINUM | 20 | 0.08" | NONE | 4-WAY | SQUARE PERFORATED GRILLE | | |
| R-1 | RETURN | TITUS | PAR | 24x24 | CEILING | ТВ | WHITE | STEEL | 25 | 0.09" | NONE | PERFORATED | SQUARE PERFORATED GRILLE | | |
| R-2 | RETURN | TITUS | 350RL | ON PLANS | CEILING | SM | WHITE | STEEL | 20 | 0.06" | NONE | | LOUVERED BLADE GRILLE | | |
| E-1 | EXHAUST | TITUS | PAR | 24x24 | CEILING | ТВ | WHITE | STEEL | 25 | 0.09" | NONE | PERFORATED | SQUARE PERFORATED GRILLE | | |
| E-2 | EXHAUST | TITUS | PAR-AA | 24x24 | CEILING | PF | WHITE | ALUMINUM | 25 | 0.09" | NONE | PERFORATED | SQUARE PERFORATED GRILLE | | |

- A. BORDER TYPES AND MOUNTING REQUIREMENTS SHALL BE COORDINATED WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- B. PROVIDE TRANSITIONS (INCLUDING SQUARE TO ROUND) WHERE REQUIRED TO TRANSITION FROM DUCT SIZE SHOWN TO AIR DEVICE NECK SIZE.
- C. MOUNTING AND FRAMING NOTES:
- TB = LAY-IN DEVICE FOR INSTALLATION IN LAY-IN CEILINGS
- PF = LAY-IN DEVICE WITH MOUNTING FRAME FOR HARD CEILINGS EQUAL TO TITUS RAPID MOUNT FRAME
- DM = AIR DEVICE MOUNTED DIRECTLY TO DUCT OR DUCT TAP AS SHOWN ON DRAWING.
- SM = SURFACE MOUNT FOR MOUNTING DIRECTLY TO CEILING OR SIDEWALL.
- SP = CURVED FACE DIFFUSER/GRILLE FOR MOUNTING DIRECTLY TO SPIRAL DUCTWORK.

| | | ROOF | NTAK | E HO | OD SCH | EDUL | E | |
|------|--------------|-----------|--------|-------|-------------|----------|-------|------------|
| MARK | BASIS OF | DESIGN | SERVES | CFM | DIMENSIONS | THROAT | P.D. | SERVICE |
| | MANUFACTURER | MODEL | SERVES | CFIVI | DIVIENSIONS | VELOCITY | P.D. | SERVICE |
| IH-1 | GREENHECK | FGI-20x20 | INTAKE | 1,300 | 20"x20" | 468 FPM | 0.05" | INTAKE AIR |

- A. PROVIDE INSECT SCREEN WITH ALL HOODS
- B. PROVIDE HOOD WITH 14" ROOF MOUNTING CURB.
- C. PROVIDE WITH MOTORIZED DAMPER, REFER TO PLANS FOR CONTROL SEQUENCE.
- D. HOODS SHALL BE FACTORY PRIMED, AND THEN FIELD PAINTED WITH COLOR SELECTED BY ARCHITECT.

| | | HVLS | FAN | SCHED | ULE | | |
|--------|--------------|--------|--------|-------------|-------|----------|--------------|
| MARK | BASIS OF I | DESIGN | MOTOR | AFFECTED | RPM | DIAMETER | ELEC. DATA |
| MARK | MANUFACTURER | MODEL | WOTOR | AREA (SQFT) | KPIVI | DIANETER | VOLTS/ PHASE |
| HVLS-1 | HUNTER | ECO 8 | 1.0 HP | 1,600 | 156 | 8'-0" | 480/3 |
| HVLS-2 | HUNTER | ECO 8 | 1.0 HP | 1,600 | 156 | 8'-0" | 480/3 |
| | | | | | | | |

- A. PROVIDE WITH MOUNTING HARDWARE AS REQUIRED.
- B. PROVIDE WITH WIRED WALL-MOUNTED TOUCH SCREEN CONTROLLER.
- C. COLOR SHALL BE SELECTED BY ARCHITECT FROM ALL FACTORY COLOR OPTIONS.

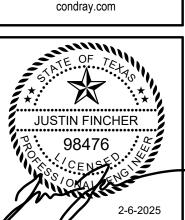
| | | | L | OUVER | SCHE | DULE | | | | |
|------|---------|------------|-----|-------------------------|-----------|----------------------------|------|-------|----------|--------|
| MARK | SERVICE | BASIS OF I | CFM | DIMENSIONS (W" x H") | FREE AREA | FREE AREA VELOCTY (FPM) | TYPE | FRAME | MATERIAL | DAMPER |

L-1 EXHAUST RUSKIN ELF6350DMP 200 12 x 12 29% 688 DRAINABLE CHANNEL ALUMINUM NONE

- A. THE FREE AREA VELOCITY SHALL NOT EXCEED 500 FPM FOR INTAKE LOUVERS, OR 750 FPM FOR EXHAUST LOUVERS.
- B. PROVIDE INSECT SCREEN ON ALL INTAKE LOUVERS, AND BIRDSCREEN ON ALL EXHAUST LOUVERS.
- C. LOUVER SHALL BE FACTORY FINISHED WITH KYNAR. COLOR SHALL BE SELECTED FROM FACTORY STANDARD COLORS BY ARCHITECT.

DESIGN GROU

ARCHITECTURE & INTERIOR DESIGN 3708 UPLAND AVE. LUBBOCK, TX 79407



806.748.6190



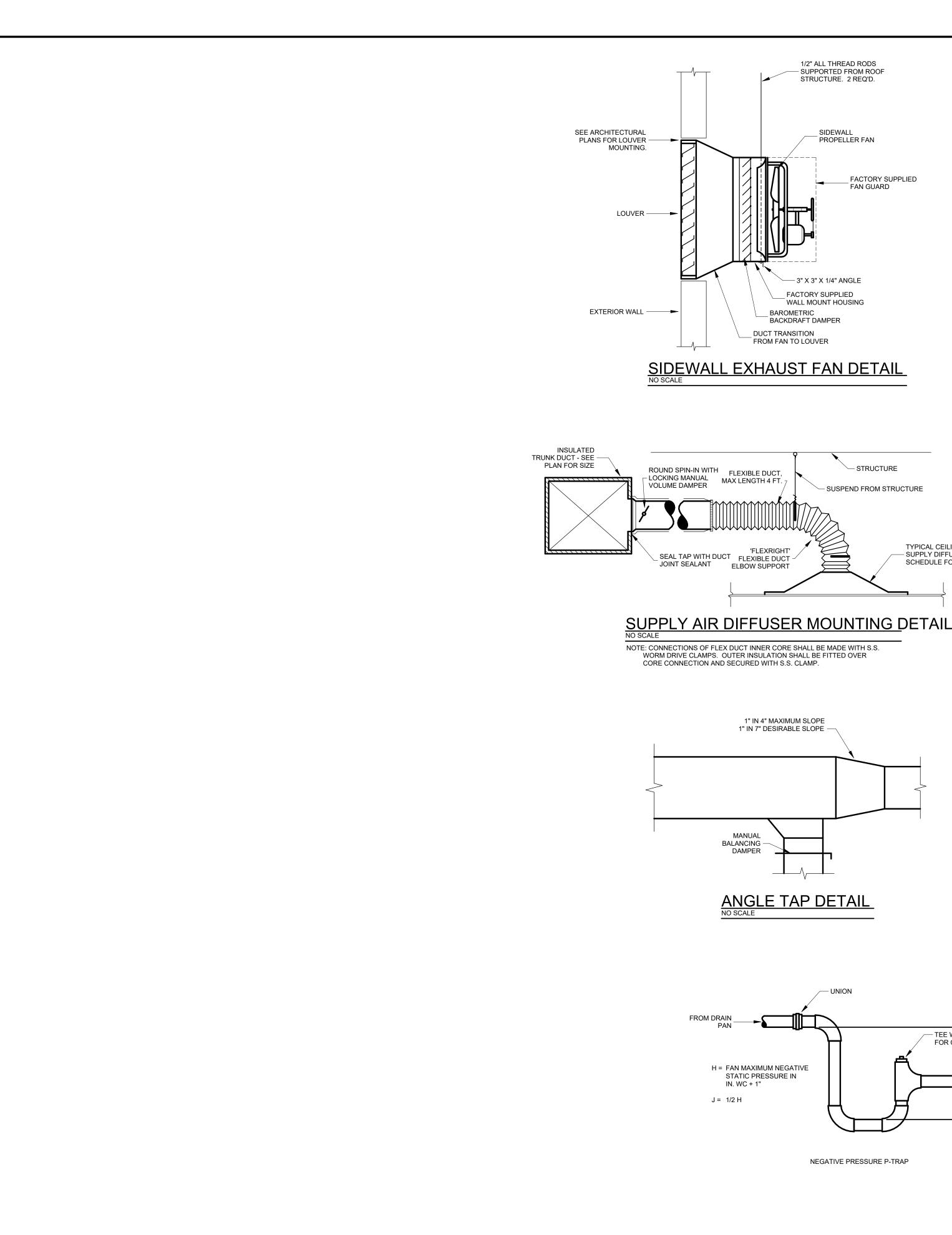


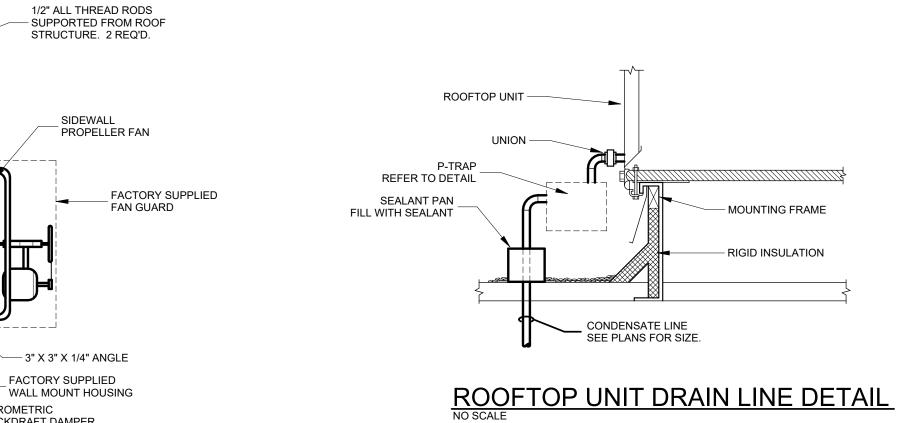


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SIDEWALL EXHAUST FAN DETAIL

'FLEXRIGHT'

1" IN 4" MAXIMUM SLOPE

1" IN 7" DESIRABLE SLOPE

ANGLE TAP DETAIL
NO SCALE

MANUAL

BALANCING -

ELBOW SUPPORT

FROM FAN TO LOUVER

DUCT TRANSITION

BAROMETRIC

BACKDRAFT DAMPER

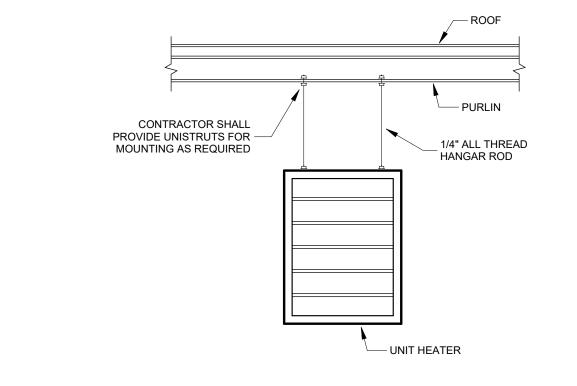
FACTORY SUPPLIED

── STRUCTURE

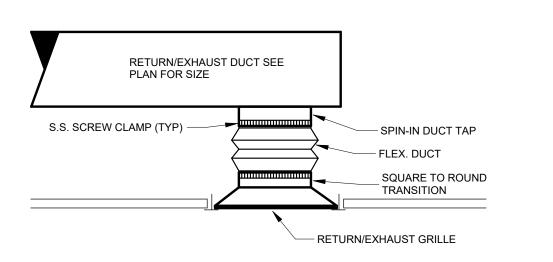
- SUSPEND FROM STRUCTURE

TYPICAL CEILING MOUNTED

- SUPPLY DIFFUSER - SEE SCHEDULE FOR TYPE



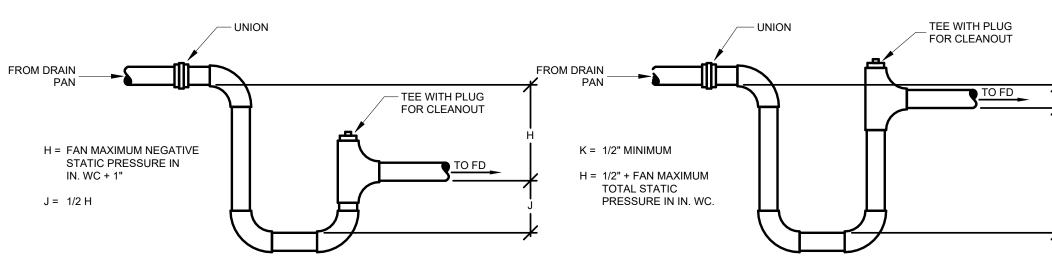
ELECTRIC UNIT HEATER MOUNTING DETAIL NO SCALE



TYPICAL RETURN/EXHAUST GRILLE **CONNECTION DETAIL**

NOTE: CONNECTIONS OF FLEX DUCT INNER CORE SHALL BE MADE WITH S.S. WORM DRIVE CLAMPS. OUTER INSULATION SHALL BE FITTED OVER CORE CONNECTION AND SECURED WITH S.S. CLAMP.

POSITIVE PRESSURE P-TRAP

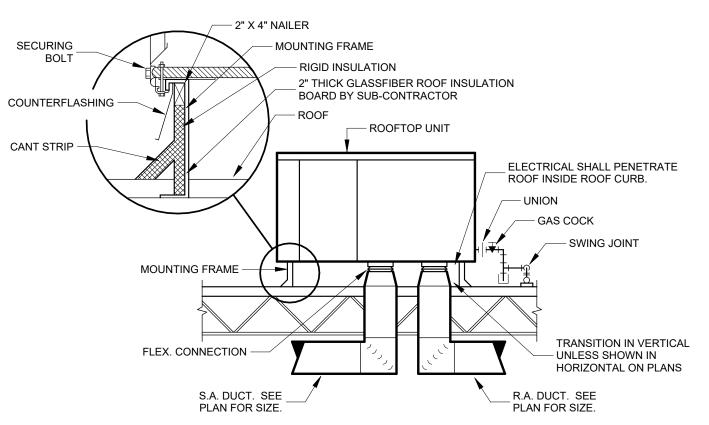


NEGATIVE PRESSURE P-TRAP HVAC EQUIP. TOTAL CFM DRAIN SIZE 0 - 800 801 - 2,000 1-1/4" 2,001 - 12,000 1-1/2" 12,001 - 20,000

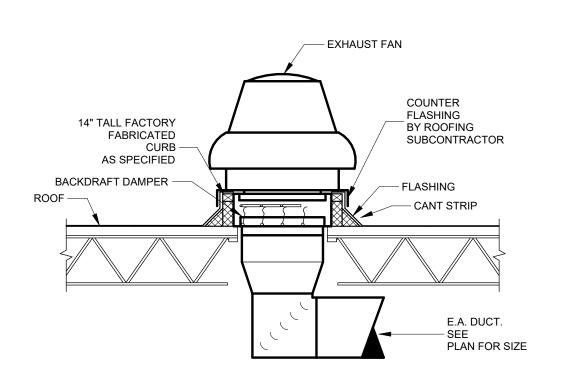
CONDENSATE DRAIN DETAIL NO SCALE

20,001 - 68,000

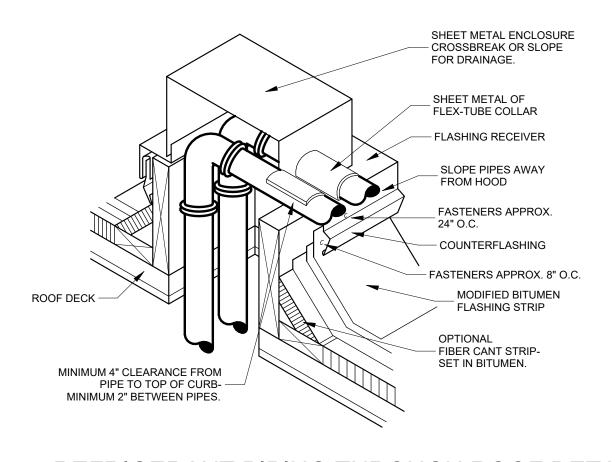
NOTE: CONDENSATE DRAIN SHALL NOT BE SMALLER THAN UNIT CONNECTION.



ROOFTOP UNIT MOUNTING DETAIL

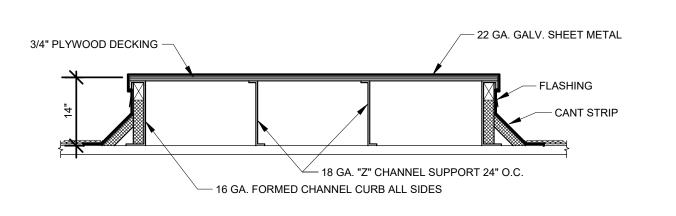


EXHAUST FAN MOUNTING DETAIL NO SCALE

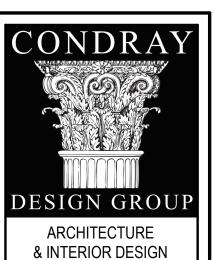


REFRIGERANT PIPING THROUGH ROOF DETAIL

THIS HOOD DETAIL DEPICTS JOB-SITE FABRICATED CONSTRUCTION. MANY MANUFACTURERS OFFER PREFABRICATED BOOTS AND OTHER MATERIALS FOR THIS PURPOSE. ONE TYPICAL CONFIGURATION IS SHOWN IN THE INSET. SPECIFICS ON THESE PROPRIETARY DESIGNS VARY GREATLY, AND INDIVIDUAL MANUFACTURERS SPECIFICATIONS SHOULD BE CONSULTED FOR THEIR USE.



CONDENSING UNIT MOUNTING PLATFORM





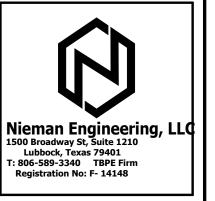
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PLUMBING GENERAL NOTES

- 1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THESE PLANS AND SPECIFICATIONS IN ADDITION TO THE RELATED MECHANICAL, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, AND CIVIL ENGINEERING DRAWINGS TO BECOME FAMILIAR WITH THE ENTIRE SCOPE OF THE PROJECT. IN ADDITION, THE CONTRACTOR MUST COORDINATE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO FULLY UNDERSTAND ALL REQUIREMENTS WHICH MAY NOT BE SPECIFIED HEREIN AND WHICH THE OWNER MAY CONSIDER PART OF THIS CONTRACT. DURING THE COURSE OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO WORK CLOSELY WITH ALL ACCOMPANYING CONTRACTORS AND TRADESMEN IN ORDER TO ENSURE A SMOOTH RUNNING AND CAREFULLY COORDINATED INSTALLATION.
- 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, NATIONAL, CITY, STATE, AND ANY LOCAL ORDINANCES WHICH MAY BE IN EFFECT. ALL MATERIALS, INSTALLATION PROCEDURES, AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE CODE ENFORCEMENT AUTHORITIES HAVING JURISDICTION, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PAY FOR ALL NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
- 3. THE CONTRACTOR SHALL PROVIDED ALL NECESSARY COMPONENTS FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM FOR THE BUILDING OWNER. MATERIALS, EQUIPMENT OR LABOR NOT INDICATED, BUT WHICH CAN BE REASONABLY INFERRED TO BE NECESSARY FOR A COMPLETE INSTALLATION SHALL BE PROVIDED. THE DRAWINGS AND SPECIFICATIONS DO NOT UNDERTAKE TO INDICATE EVERY ITEM OF MATERIAL, EQUIPMENT OR LABOR REQUIRED TO PRODUCE A SAFE, COMPLETE AND PROPERLY OPERATING SYSTEM.
- 4. THE DRAWING SHEETS SHALL BE PRINTED USING THE CORRECT PAPER SIZE IN ORDER FOR ANY SCALED ITEMS TO BE ACCURATE. HOWEVER, THE CONTRACTOR SHALL NOT RELY ON THE SCALED DRAWINGS FOR EXACT MEASUREMENTS. THE LOCATIONS, ARRANGEMENT AND EXTENT OF EQUIPMENT, PIPING, DUCTWORK, AND ITEMS RELATED TO THE INSTALLATION OF THE PLUMBING WORK SHOWN ARE APPROXIMATE. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE.
- 5. ANY DISCREPANCIES OR INADEQUACIES WITHIN THESE BID DOCUMENTS OR BETWEEN THESE BID DOCUMENTS AND THE RELATED MECHANICAL, FIRE PROTECTION, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, INTERIOR, AND CIVIL ENGINEERING DRAWINGS, OR BETWEEN THESE BID DOCUMENTS AND FIELD CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. SHOULD THE CONTRACTOR REQUIRE FURTHER CLARIFICATION, AN RFI SHALL BE SUBMITTED FOR CLARIFICATION. WHERE CONFLICTS DO EXIST, THE PROJECT ENGINEER OF RECORD, THROUGH THE ARCHITECT, SHALL HAVE SOLE DISCRETION AND RIGHT TO PROVIDE INTERPRETATION OF INTENT OF THE CONTRACT DOCUMENTS AS REQUIRED. THIS INTERPRETATION SHALL SERVE TO DIRECT THE CONTRACTOR IN ACCORDANCE WITH THE IMPLIED INTENT OF THE CONSTRUCTION DOCUMENTS WITHOUT ADDITIONAL COST TO THE PROJECT.
- 6. THE CONTRACTOR SHALL PROVIDE THE BUILDING OWNER WITH A COMPLETE SET OF "AS BUILT" DRAWINGS SHOWING ALL FIELD MODIFICATIONS THAT DEVIATE FROM THE CONSTRUCTION SET OF PLANS AT THE COMPLETION OF THE PROJECT
- 7. CONTRACTOR SHALL COORDINATE EXACT UTILITY REQUIREMENTS WITH LOCAL UTILITY COMPANIES PRIOR TO BID AND INCLUDE ALL FEES REQUIRED FOR NEW UTILITY SERVICES TO BUILDING. ALL NEW SERVICES AND TAPS SHALL BE INSTALLED ACCORDING TO STANDARDS AND REQUIREMENTS OF THE LOCAL CITY. VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES AND PIPING AT THE JOBSITE. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL UTILITIES PRIOR TO BID. SITE UTILITIES SHOWN ON DRAWING ARE SHOWN BASED ON INFORMATION PROVIDED TO ENGINEER AT THE TIME OF THE PROJECT.
- 8. ORDER OF PRECEDENCE SHALL BE OBSERVED IN LAYING OUT THE PIPE, DUCTWORK, MATERIAL, AND CONDUIT IN ORDER TO FIT THE MATERIAL INTO THE SPACE ABOVE THE CEILING AND IN THE CHASES AND WALLS. THE FOLLOWING ORDER SHALL GOVERN:

 1. ITEMS AFFECTING THE VISUAL APPEARANCE OF THE INSIDE OF THE BUILDING SUCH AS LIGHTING FIXTURES, DIFFUSERS, GRILLES, OUTLETS, PANELBOARDS, ETC. COORDINATE ALL ITEMS TO AVOID CONFLICTS AT THE SITE.

 2. LINES REQUIRING GRADE TO FUNCTION SUCH AS SEWERS, ROOF DRAINS AND CONDENSATE DRAINS.

 3. LARGE DUCTS AND PIPES WITH CRITICAL CLEARANCES.
- 4. FIRE SPRINKLER LINES, CONDUIT, WATER LINES, AND OTHER LINES WHOSE ROUTING IS NOT CRITICAL AND WHOSE FUNCTION WOULD NOT BE IMPAIRED BY BENDS AND OFFSETS.
- 9. MOUNTING HEIGHT OF ALL PLUMBING FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.

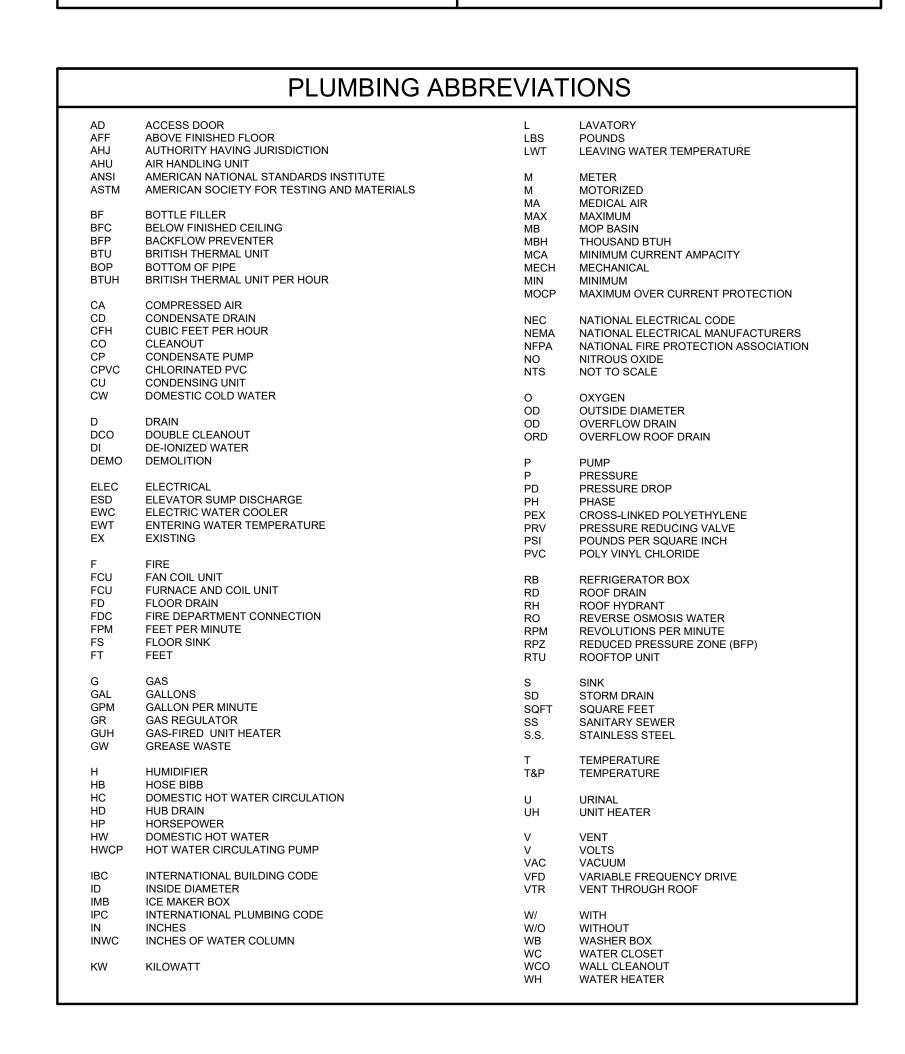
10. ALL PIPING TO BE CONCEALED IN CEILINGS, CHASES, AND FURRED SPACES UNLESS NOTED OTHERWISE.

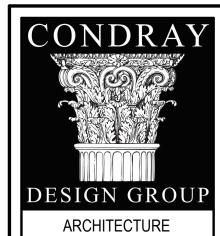
CLEARANCE. MIXING VALVE SHALL BE EQUAL TO BRADLEY S59.

- 11. REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE FOR RUNOUT LINE SIZES TO INDIVIDUAL FIXTURES WHERE LINE SIZES ARE NOT INDICATED ON FLOOR PLAN.
- 12. PROVIDE POINT-OF-USE MIXING VALVE BELOW ALL LAVATORIES AND HAND SINKS AND SET TO PROVIDE MAXIMUM OF 100°F WATER TO HOT WATER SIDE OF ALL FAUCETS. VERIFY MOUNTING LOCATION OF MIXING VALVE WITH OWNER AND WITH ADA
- 13. DURING CONSTRUCTION, ALL FLOOR DRAINS AND OPEN ENDED PIPES SHALL BE COVERED TO PREVENT DEBRIS FROM GETTING INSIDE. THE CONTRACTOR SHALL ALSO PROVIDE TEMPORARY HEATING INSIDE THE BUILDING IF REQUIRED TO AVOID
- 14. HANDLE AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S AND SUPPLIER'S RECOMMENDATIONS AND IN A MANNER TO PREVENT DAMAGE TO MATERIALS DURING STORAGE AND HANDLING. REPLACE DAMAGED MATERIALS AS NEEDED AT NO ADDITIONAL COST TO THE OWNER. EQUIPMENT AND MATERIALS SHALL NOT BE INSTALLED UNTIL SUCH TIME AS THE ENVIRONMENTAL CONDITIONS OF THE JOB SITE ARE SUITABLE TO PROTECT THE EQUIPMENT OR MATERIALS. PVC PIPING SHALL NOT BE STORED IN THE DIRECT SUNLIGHT, PROVIDE TARPS OR SIMILAR MATERIAL AS NEEDED TO PROTECT PVC PIPING. EQUIPMENT OR MATERIALS DAMAGED, OR WHICH ARE SUBJECTED TO THESE ELEMENTS, ARE UNACCEPTABLE AND SHALL BE REMOVED FROM THE PREMISES AND REPLACED.
- 15. ROUTE PIPES PARALLEL AND PERPENDICULAR TO THE BUILDING STRUCTURE UNLESS OTHERWISE SHOWN ON PLANS. INSTALL ALL PIPING AS HIGH AS POSSIBLE WITHIN THE AVAILABLE SPACE. PLUMBING EQUIPMENT AND PIPES SHALL BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURE. INSTALL PIPES TO ALLOW FOR THE REMOVAL OF ALL CEILING TILES, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE AS REQUIRED TO AVOID CONFLICTS.
- 16. MAINTAIN MINIMUM 15'-0" SEPARATION BETWEEN OUTSIDE AIR INTAKES AND ALL EXHAUST FANS, FLUES, AND PLUMBING
- 17. PROVIDE P-TRAP AND CONDENSATE DRAIN LINE AT ALL UNITS, REFER TO DETAILS AND SPECIFICATIONS. CONDENSATE DRAINS SHALL BE ROUTED TO THE NEAREST APPROVED MOP SINK, FLOOR SINK, FLOOR DRAIN, OR OTHER APPROVED RECEPTOR WITH AN INDIRECT CONNECTION AS SHOWN ON PLANS. CONDENSATE SHALL NOT BE ALLOWED TO DRAIN ONTO ANY WALKWAY AREA THAT WOULD CAUSE A NUISANCE.
- 18. PIPING IS SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. CONTRACTOR SHALL COORDINATE EXACT ROUTING OF PIPING AT JOBSITE. PROVIDE ALL REQUIRED OFFSETS AND ELBOWS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. CONTRACTOR SHALL UTILIZE THE STRAIGHTEST PIPE ROUTING PATH POSSIBLE TO MINIMIZE UNNECESSARY PRESSURE DROP WITHIN THE SYSTEM.
- 19. ALL PIPE PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND ROOFS SHALL BE FULLY SEALED APPROPRIATELY.
 INSTALL SLEEVES FOR PIPING PENETRATIONS FOR RATED WALLS AND FLOORS. INSTALL CHROME PLATED ESCUTCHEONS FOR PIPING PENETRATIONS OF WALLS, CEILINGS, AND FLOORS THAT ARE OPENLY VISIBLE TO BUILDING OCCUPANTS.
- 20. ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURE'S INSTRUCTIONS WITH PROPER SUPPORTS OR MOUNTING DEVICES. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES AROUND EQUIPMENT AT A MINIMUM. DO NOT ROUTE PIPING THROUGH THE SERVICE CLEARANCE AREAS. COORDINATE THESE REQUIREMENTS WITH ALL TRADES IN THE FIELD. ALL PIPING SHALL BE LABELED.
- 21. ANY COST INCURRED AS A RESULT OF VALUE ENGINEERING OR DEVIATIONS FROM THE BASIS OF DESIGN INDICATED IN THE CONTRACT DOCUMENTS (E.G. ELECTRICAL MODIFICATIONS TO ACCOMMODATE ALTERNATE EQUIPMENT SELECTIONS, DESIGN RELATED EXPENSES FOR REQUIRED DRAWING MODIFICATIONS, ETC.) SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NO INCREASE IN CONTRACT COST WILL BE GRANTED UNLESS APPROVED IN WRITING BY THE OWNER. CONTRACT DOCUMENTS ARE DEFINED TO INCLUDE ALL DISCIPLINES AND DIVISIONS OF THE CONTRACT.
- 22. ALL INTERIOR EXPOSED PIPING AND EXTERIOR GAS PIPING SHALL BE PRIMED AND PAINTED AS DIRECTED BY ARCHITECT.
- 23. ALL GAS LINES INSTALLED ABOVE INACCESSIBLE CEILINGS OR IN CHASES/WALLS SHALL BE FULLY WELDED. JOINTS, VALVES, AND THREADED FITTINGS ARE NOT ACCEPTABLE IN THESE AREAS. PROVIDE PVC SLEEVE OF ALL THESE GAS LINES WITH 2" VENT FROM SLEEVE UP THRU ROOF TO 180 DEGREE ELBOW WITH INSECT SCREEN
- 24. PIPING SHALL NOT BE ROUTED THROUGH ELECTRICAL OR I.T. ROOMS, OR DIRECTLY ABOVE ELECTRICAL PANELS OR ELECTRICAL EQUIPMENT.
- 25. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS TO ALLOW ACCESS TO VALVES. PROVIDE LABEL ON ACCESS DOOR INDICATED THE EQUIPMENT.
- 26. ALL PIECES OF EQUIPMENT WITH INDIRECT WASTE LINES SHALL BE PROVIDE AS TYPE L COPPER PIPING AND EXTEND TO SPILL TO FLOOR SINK WITH 1" AIR GAP.
- 27. PROVIDE RPZ BACKFLOW PREVENTER AT WATER LINE CONNECTIONS TO ALL PIECES OF EQUIPMENT AS REQUIRED BY LOCAL JURISDICTION. ALL WATER LINE CONNECTIONS TO ICE MACHINES, SODA MACHINES, COFFEE MACHINES, AND NON-CARBONATED BEVERAGE DISPENSERS SHALL BE PROVIDED WITH SEPARATE RPZ IN WATER LINE AT EACH PIECE OF EQUIPMENT.

PLUMBING LEGEND GENERAL SYMBOLS PLUMBING FIXTURE OR EQUIPMENT MARK CONNECT TO EXISTING DETAIL REFERENCE INDICATES THE DETAIL NUMBER (SEE ABBREVIATION LIST AND SCHEDULES) P-XXX INDICATES THE DRAWING SHEET → (X) KEYED NOTE X REVISION NUMBER PIPE SYMBOLS PIPING SYSTEMS REDUCED PRESSURE ZONE BFP <u>RPZ</u> EXXX EXISTING LINE (XX = SYSTEM) VENT THROUGH ROOF --- DEMOXX --- DEMO LINE (XX = SYSTEM) <u>VTR</u> O DOMESTIC COLD WATER LINE WALL CLEANOUT <u>wco</u> — ____ . . ____ DOMESTIC HOT WATER LINE CLEANOUT DOMESTIC HOT WATER RECIRCULATION LINE ___ . . . ___ DOUBLE CLEANOUT <u>DCO</u> **O-O** DOMESTIC COLD WATER LINE BALL VALVE DOMESTIC HOT WATER LINE ELBOW TURNED DOWN —— HC —— DOMESTIC HOT WATER RECIRCULATION LINE **ELBOW TURNED UP** SANITARY SEWER FLOW IN DIRECTION OF ARROW _____ WALL HYDRANT / HOSE BIBB _____ G _____ FD FLOOR DRAIN FIRE PROTECTION LINE FLOOR SINK GREASE WASTE LINE CONDENSATE DRAIN LINE VENTURI DEVICE COMPRESSED AIR LINE MEDICAL AIR LINE CHECK VALVE OXYGEN LINE NITROUS OXIDE LINE GAS VALVE ______VAC _____ VACUUM LINE ------WAGD------WASTE ANESTHESIA DISCHARGE LINE BALANCING VALVE ELEVATOR SUMP DISCHARGE LINE REVERSE OSMOSIS WATER LINE DE-IONIZED WATER LINE ROOF DRAIN LINE GAS REGULATOR FROM 2 lbs. TO OUNCE ____SD____ STORM DRAIN LINE GR() PRESSURE UNLESS NOTED OTHERWISE ____OD____ OVERFLOW DRAIN LINE (GAS LOAD IN MBTUH)

ORD OVERFLOW ROOF DRAIN LINE





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NEW WOLFFORTH CLINIC

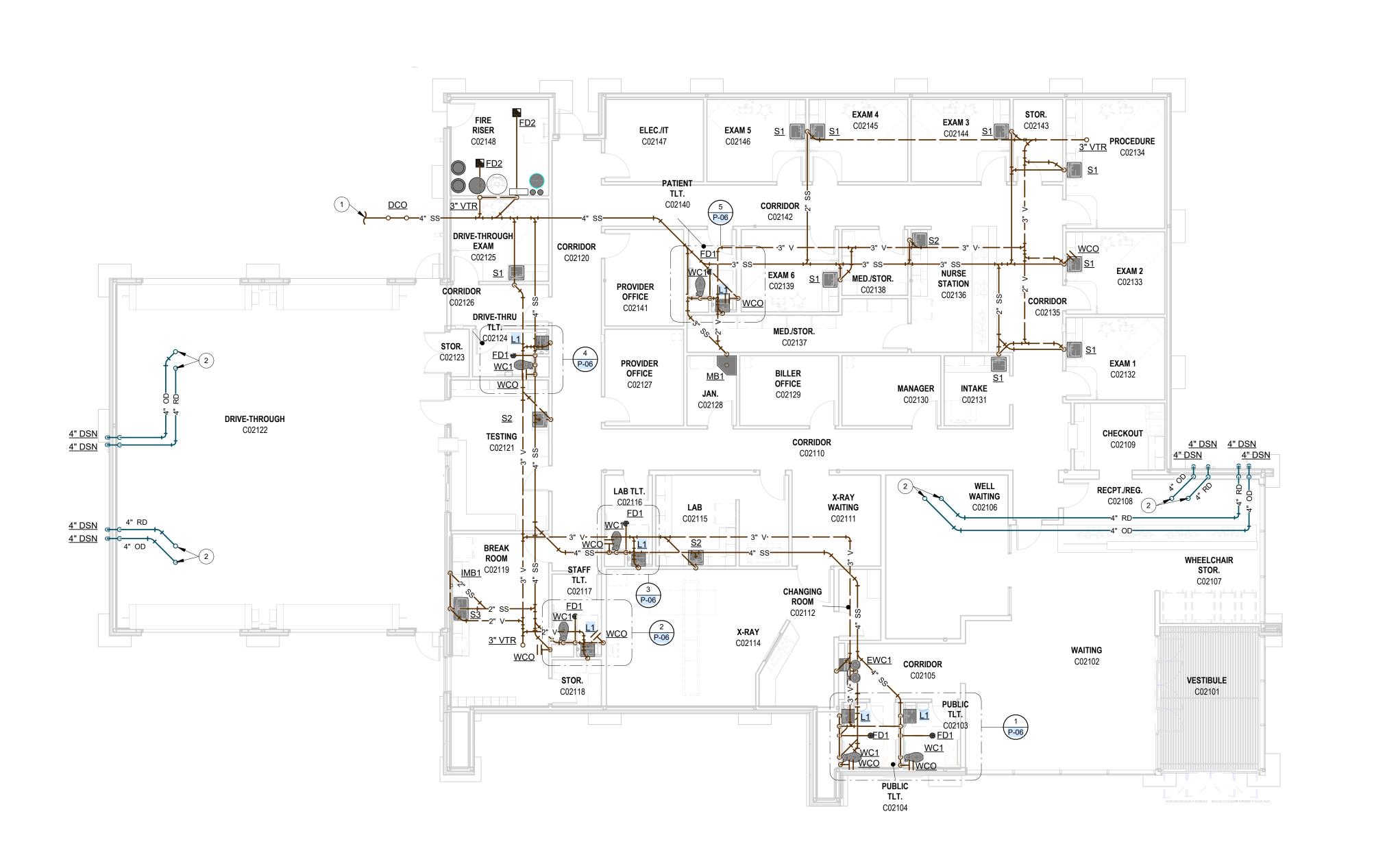
D PRESTON DRIVE & PRESTON HOLLOW LAN
WOLFFORTH, TEXAS 79382

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PROJECT NO.
DATE: 2
SHEET NO.

P-00



GENERAL NOTES

A. REFER TO SHEET P-00 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.

KEYED NOTES

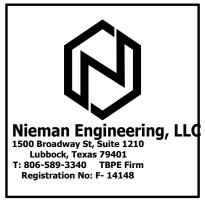
1. REFER TO CIVIL DRAWINGS FOR CONTINUATION OF 4" SEWER LINE ON SITE. CONTRACTOR SHALL COORDINATE ALL SEWER LINE DEPTHS WITH CIVIL UTILITIES PRIOR TO INSTALLING ANY PIPING.

2. TURN 4" RD/OD UP TO ROOF, REFER TO SHEET P214 FOR











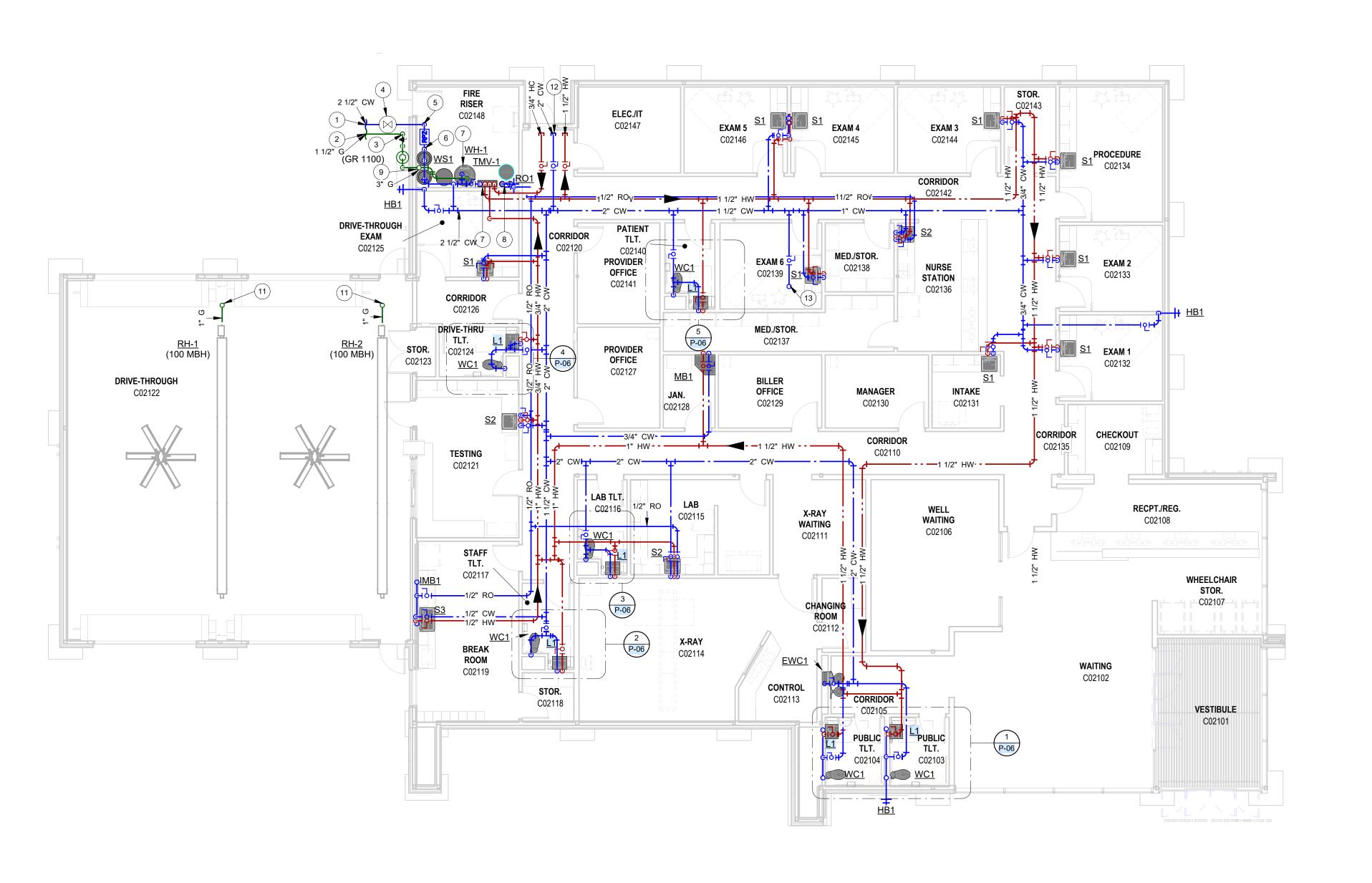
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PROJECT NO. SHEET NO.

OF

1 FLOOR PLAN - PLUMBING - SEWER AND VENT SCALE: 1/8" = 1'-0"



GENERAL NOTES

A. REFER TO SHEET P-00 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.

KEYED NOTES

1. REFER TO CIVIL DRAWINGS FOR CONTINUATION OF 2-1/2" WATER LINE ON SITE. 2. REFER TO CIVIL DRAWINGS FOR CONTINUATION OF 1-1/2" GAS LINE ON SITE. COORDINATE WITH LOCAL GAS COMPANY FOR A GAS LOAD OF 680 CFH AT 2 PSI

3. TURN 1-1/2" 2 PSI GAS LINE UP AGAINST EXTERIOR OF BUILDING TO REGULATOR WITH VALVE AND DIRT LEG, REFER TO DETAIL. CONTINUE 3" GAS LINE INTO BUILDING AND UP INSIDE MECHNICAL ROOM TO ROOF.

4. VALVE BOX, REFER TO DETAIL.

DELIVERY PRESSURE FROM METER.

5. TURN 2-1/2" DCW LINE UP FROM BELOW SLAB TO RPZ BACK FLOW PREVENTER, REFER

6. TURN 2-1/2" DCW LINE DOWN TO SERVE WATER SOFTENER WITH FULL SIZE NORMALLY CLOSED BYPASS VALVE, REFER TO DETAIL.

7. TURN 1-1/2" DCW, 1-1/2" DHW, TWO DHC, AND 1" GAS LINES DOWN TO SERVE WATER HEATER AND WALL MOUNTED DIGITAL MIXING VALVE STATION, REFER TO WATER HEATER DETAIL AND PIPING DIAGRAM ON SHEET P-04.

8. TURN 1/2" CW LINE DOWN TO SERVE RO SYSTEM. PROVIDE BALL VALVES IN INLET AND OUTLET AND FULL BYPASS WITH NORMALLY CLOSED BYPASS VALVE, REFER TO DETAIL. EXTEND RO WATER LINES TO ALL DRINKING EQUIPMENT AS SHOWN.

P. TURN 3" GAS LINE UP THRU ROOF, CONTINUATION ON SHEET P-03.

10. TURN 3/4" CW LINE UP THRU ROOF, CONTINUATION ON SHEET P-03

11. TURN 1" G DOWN FROM ROOF TO SERVE MECHANICAL EQUIPMENT, REFER TO DETAIL

12. VALVE AND CAP 2" DCW, 1-1/2" DHW AND 3/4" DHC LINES FOR FUTURE ADDITION.

13. TURN 3/4" CW LINE UP THRU ROOF, CONTINUATION ON SHEET P-03



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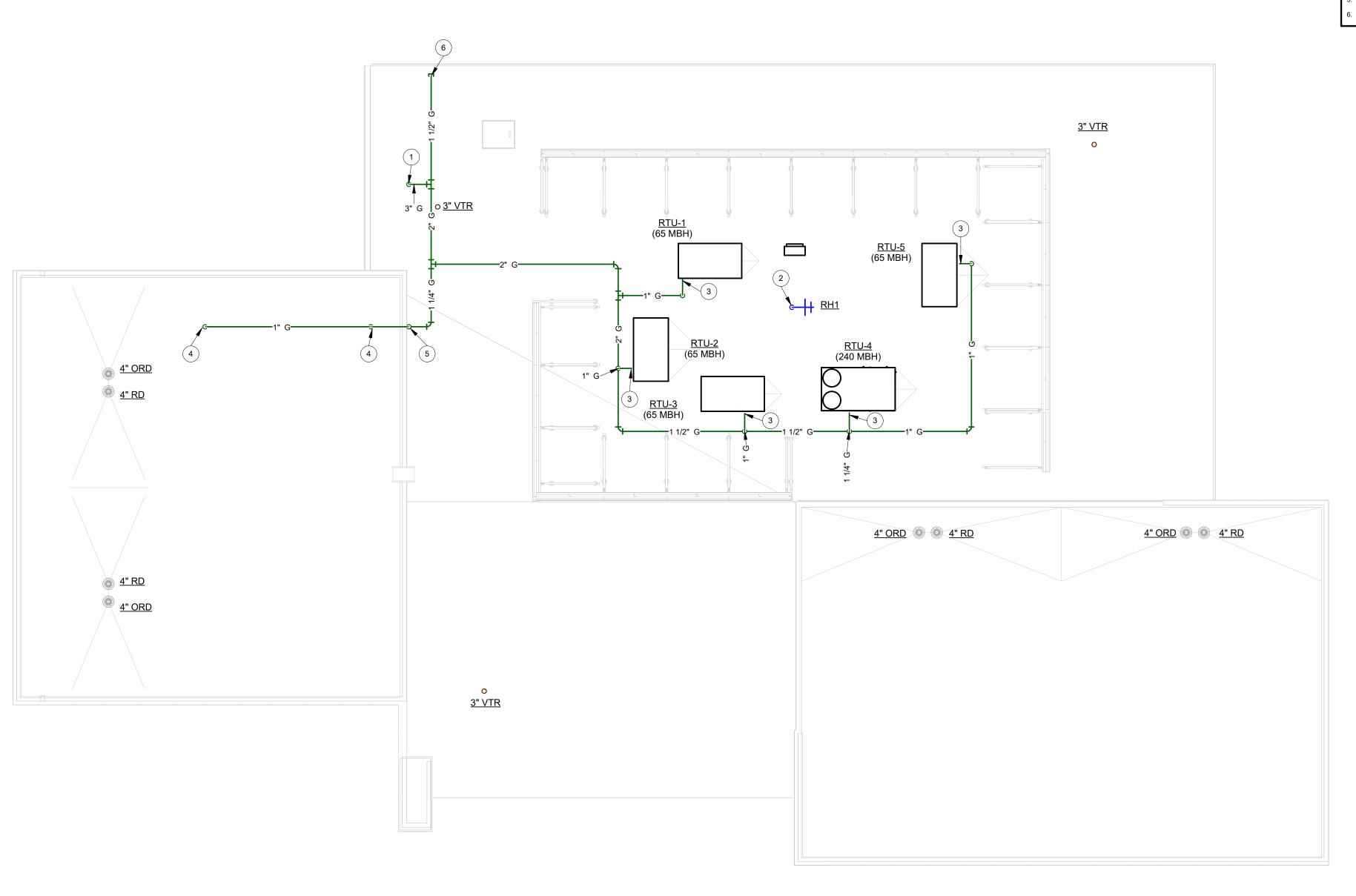
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CONDRAY DESIGN GROUP, INC. PROJECT NO.

SHEET NO.

OF

PLUMBING PLAN - DOMESTIC WATER & GAS - FIRST FLOOR SCALE: 1/8" = 1'-0"





REFER TO SHEET P-00 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.

KEYED NOTES

TURN 3" GAS DOWN THRU ROOF, CONTINUATION ON SHEET P-02.

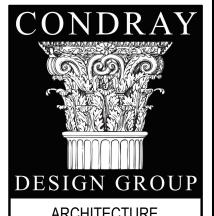
TURN 3/4" CW LINE DOWN THRU ROOF, CONTINUATION ON SHEET P-02

TURN GAS LINE DOWN TO SERVE MECHANICAL EQUIPMENT, REFER TO MECHANICAL PLANS. REFER TO DETAIL ON SHEET P-04

TURN 1" GAS LINE DOWN TO LEVEL BELOW, CONTINUATION ON SHEET P-02

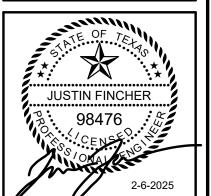
TURN 1-1/4" GAS UP TO HIGH ROOF.

VALVE AND CAP 1-1/2" GAS LINE FOR FUTURE ADDITION.



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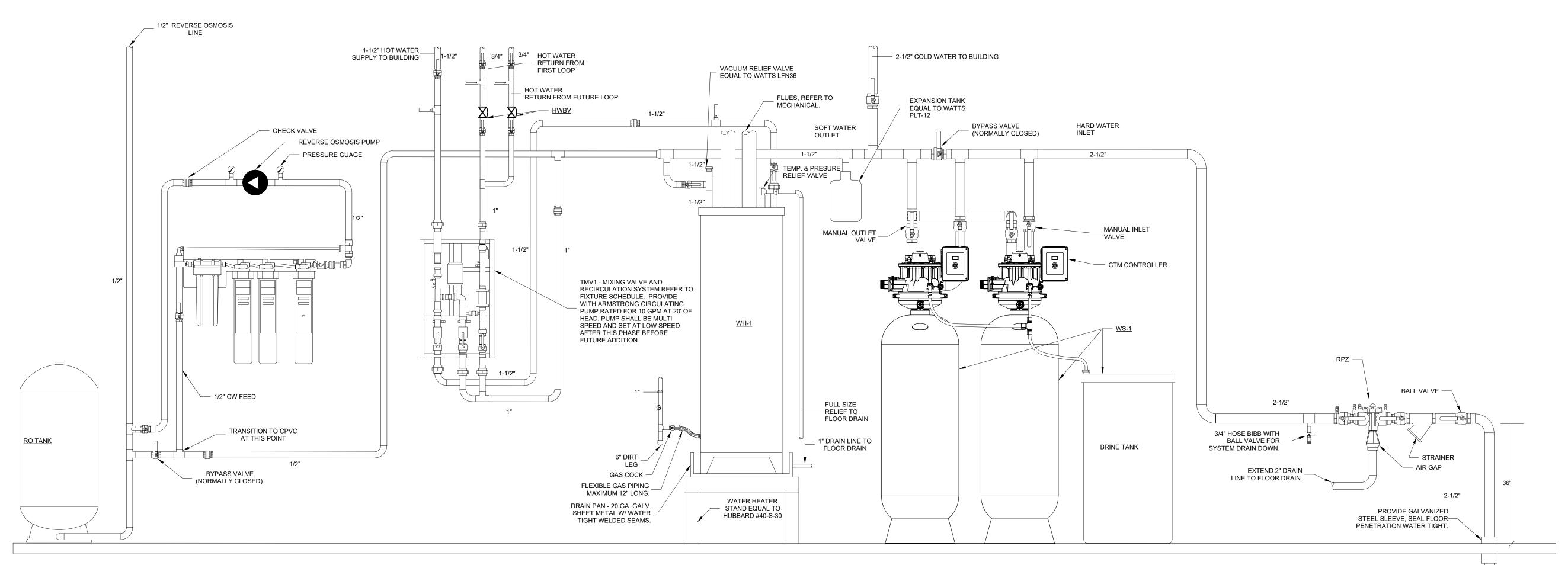
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PROJECT NO.

SHEET NO.

4 OF

1 ROOF PLAN - PLUMBING SCALE: 1/8" = 1'-0"



WATER ENTRY AND FILTRATION SYSTEM DETAIL

| | | | | | | DIMI | ENSIONS (INCHE | ES) | | | | | | | | | | | |
|------|-------------------------------------|-------|--------|-------|--------------|----------------|----------------------------|---------------|-------------------|-----------------------|-------------------------|--|------------------------------------|--|------|---|--------------------------------|------|------|
| MARK | MODEL | WIDTH | HEIGHT | DEPTH | TANK DIA. | TANK HEIGHT | INLET/OUTLET PIPE SIZES | DRAIN SIZE | FLOOR TO INLET | BRINE TANK DIA. | BRINE TANK HEIGHT | MAX. CAPACITY KGR @ SALT DOSAGE | RESIN VOLUME ft ³ | CONTINUOUS FLOW gpm @ 15 psi drop | FLOW | | MIN. DRAIN PIPE SIZE IN. | | |
| WS-1 | CULLIGAN CTM-210-HWB-NHWB-MT DUPLEX | 82 | 88.5 | 21.5 | 21 | 67 | 2.5 | 1.5 | 77 | 24 | 50 | 210 @ 105 | 7 | 65 | 85 | 8 | 1.0 | 2950 | 1270 |

(2) UNIONS SHOULD BE LOCATED ON INLET AND OUTLET CONNECTIONS OF CONTROL VALVE TO FACILITATE SERVICING.
(3) THE USE OF DISSIMILAR METALS IN A PIPING SYSTEM IS NOT RECOMMENDED. WHERE DISSIMILAR METALS MUST BE CONNECTED IN A WATER SYSTEM. THE USE OF NONCONDUCTIVE (DIELECTRIC) FITTINGS MAY REDUCE GALVANIC CORROSION.

(4) ALLOW 6-12 INCHES BEHIND THE UNIT FOR PLUMBING AND DRAIN LINES AND 12" ABOVE OVERALL HEIGHT FOR SERVICE ACCESS AND FILLING THE SALT CONTAINER.

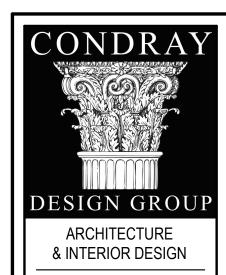
(5) SYSTEM USES FRP TANKS WHICH MUST NOT BE SUBJECTED TO VACUUM. SIPHON BREAK ON DRAIN LINE. INSTALL VACUUM BREAKER ON INLET PIPING IF THE SERVICE LINE IS SUBJECT TO A VACUUM.

(6) TO PERMIT THE OBSERVATION OF THE DRAIN FLOW DO NOT MAKE A DIRECT CONNECTION TO THE DRAIN. PROVIDE AN AIR GAP OF AT LEAST FOUR TIMES THE DIAMETER OF THE DRAIN PIPE OR

CONFORM TO LOCAL SANITATION CODES. (7) BRINE TANK DIMENSIONS SHOWN ARE FOR THE BRINE TANK MOST COMMONLY SELECTED FOR USE WITH THIS SIZE SYSTEM.

| WATER HEATER SCHEDULE | | | | | | | | | | | |
|--|---------|-----|---------|----------|-----|------------------|---------------------|--|--|--|--|
| MARK TANK CAP. FUEL INPUT RECOVERY GPH THERMAL EFFICIENCY ELECTRICAL DATA EXAMPLE | | | | | | | | | | | |
| WH-1 | 75 GAL. | GAS | 100 MBH | 129 GAL. | 96% | 120 V, 1Ø, 60 HZ | A.O. SMITH BTXL-100 | | | | |
| | | | | | | | | | | | |
| NOTE: 1. RECOVERY BASED ON 90 DEGREE TEMPERATURE RISE. 2. PROVIDE WITH THRU ROOF CONCENTRIC VENT KIT. | | | | | | | | | | | |

| MARK | CAPACITY (GPD) | RECOVERY (%) | EXAMPLE | | | |
|------|----------------|--------------|---------------------|--|--|--|
| RO-1 | 200 | 30 | CULLIGAN LCRO-200AC | | | |



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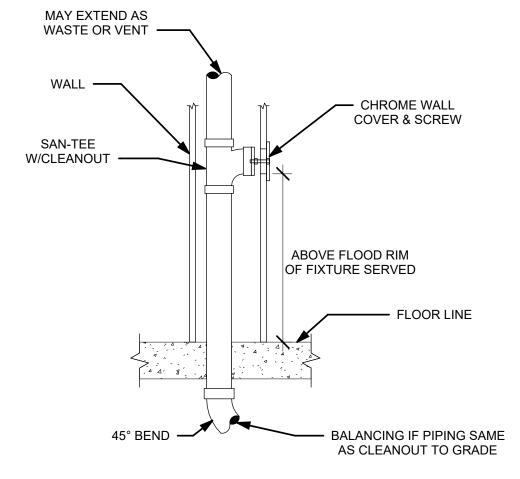




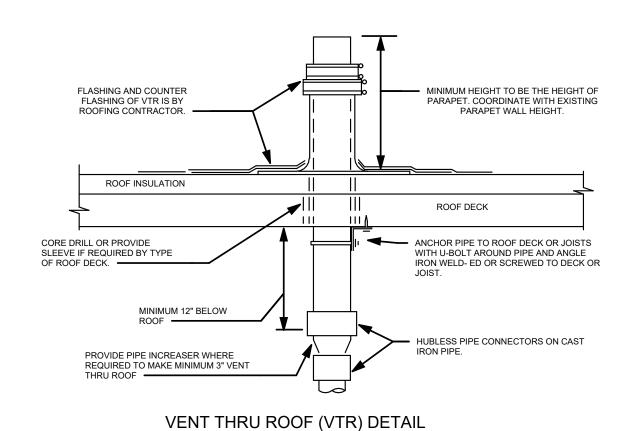
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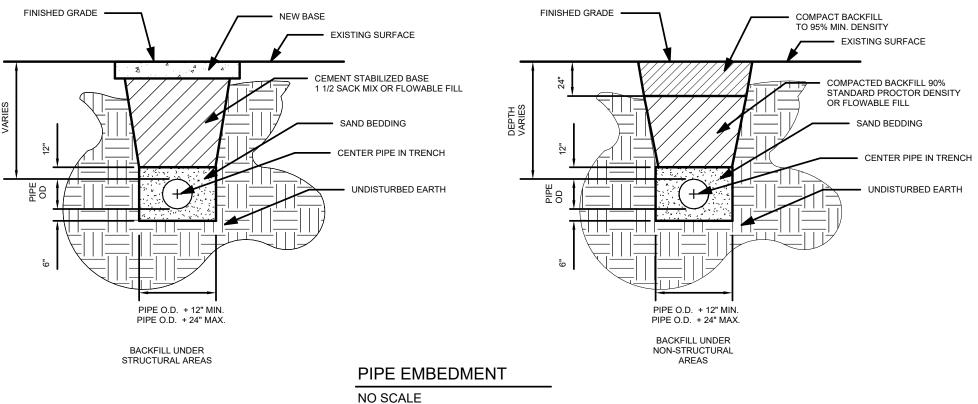
PROJECT NO. SHEET NO.



WALL CLEANOUT DETAIL NO SCALE



NO SCALE



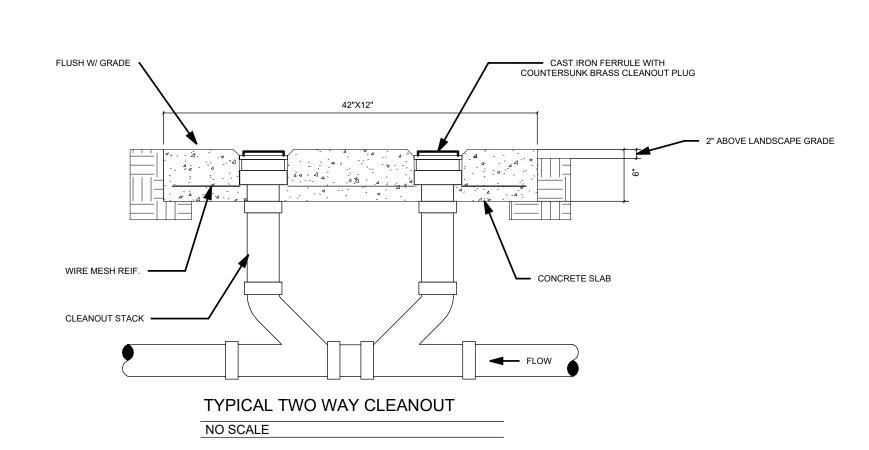
NICKEL BRONZE SCORIATED

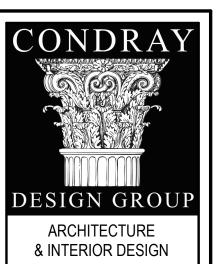
INTERIOR CLEANOUT DETAIL

NO SCALE

PIPE EMBEDMENT NOTES

- THE EXISTING PAVING SURFACE SHALL BE SAW CUT IN A STRAIGHT LINE, A MINIMUM OF 12" WIDER THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMMETRICAL ABOUT THE CENTER-LINE OF THE
- ANY CONCRETE PAVING SHALL BE SAW CUT 6" WIDER THAN UNDISTURBED SIDES OF EXCAVATION.
- IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH COLD MIX OR FLEXIBLE BASE MATERIAL.





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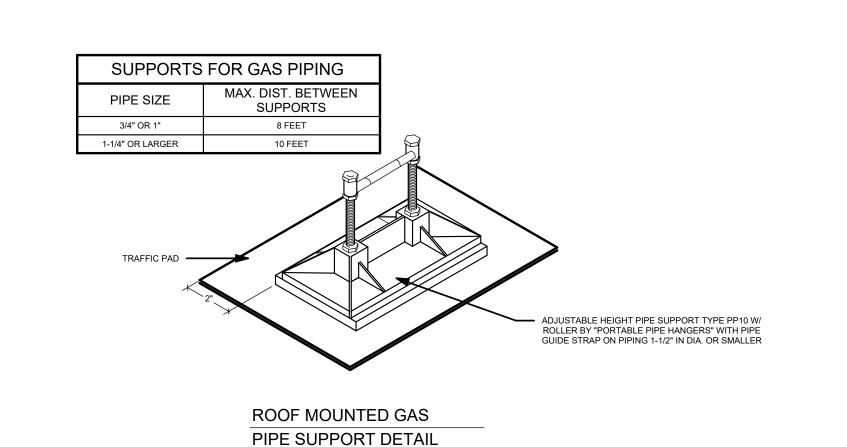
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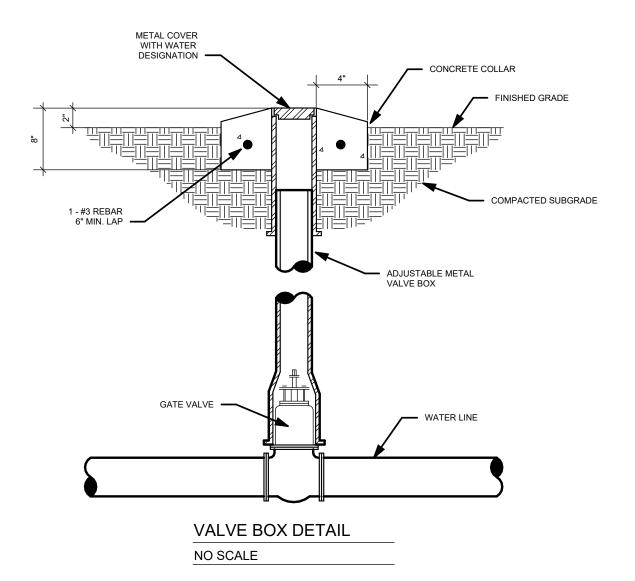
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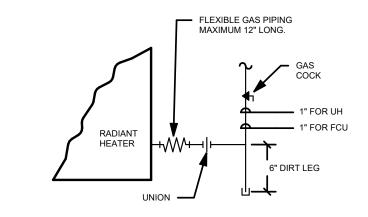
ROAD BASE AND SURFACE MATERIALS SHALL BE REPLACED IN KIND OF EQUAL THICKNESS WITH MINIMUM BASE THICKNESS OF 8° .

INSTALL DETECTOR TAPE AND TRACE WIRE PER SPECIFICATION.



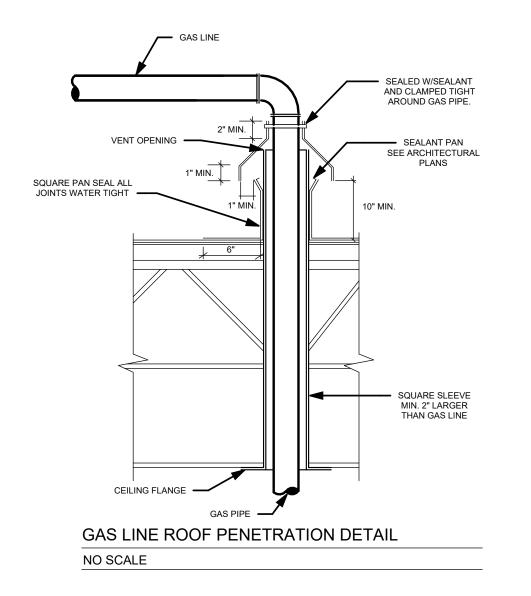
NO SCALE





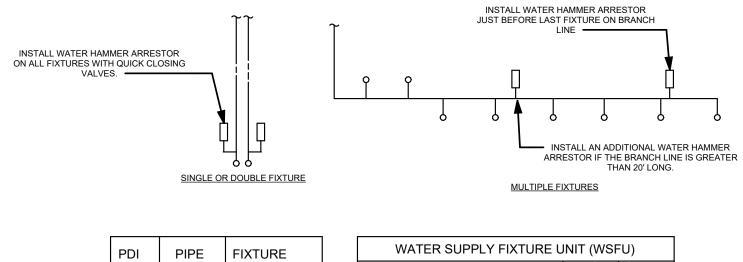
RADIANT HEATER GAS LINE CONNECTION DETAIL

NO SCALE



CLEVIS HANGER FOR PIPE OVER FOUR INCH.

PIPE 1" AND LARGER. VERIFY INSULATION THICKNESS WHEN SIZING HANGERS. DO NOT SUSPEND OTHER ITEMS



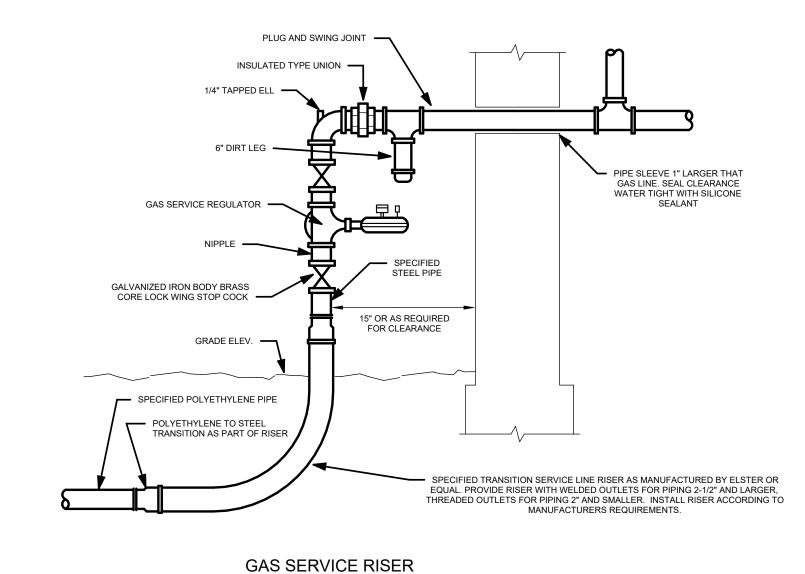
| PDI SIZE | PIPE SIZE | FIXTURE UNIT LOAD | | | | | |
|-------------|--------------|----------------------|--|--|--|--|--|
| Α | 1/2" | 1-11 | | | | | |
| В | 3/4" | 12-32 | | | | | |
| O | 1" | 33-60 | | | | | |
| D | 1-1/4" | 61-113 | | | | | |
| Ш | 1-1/2" | 114-154 | | | | | |
| F | 2" | 154-330 | | | | | |

NO SCALE

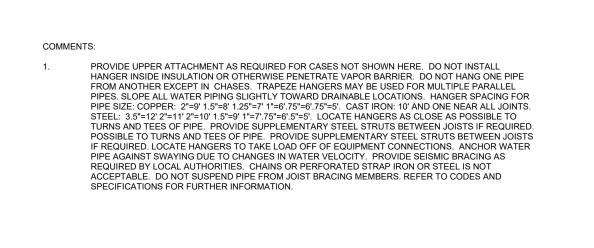
| WATER SUPPLY FIXTURE UNIT (WSFU) | | | | | | | | | |
|----------------------------------|------|-----|--|--|--|--|--|--|--|
| FIXTURE | COLD | НОТ | | | | | | | |
| VALVE WATER CLOSET | 5 | | | | | | | | |
| URINAL | 4 | | | | | | | | |
| LAVATORY/SINK | 1.5 | 1.5 | | | | | | | |
| JANITOR'S SINK | 3 | 3 | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

COMMENTS:

1. WATER HAMMER ARRESTORS SHALL HAVE PISTON AND 0-RING CONSTRUCTION WITH PDI #WH-201,
ASSE # 1010 AND ANSI # A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION,
BUT NEVER UPSIDE DOWN. SIZE THE UNITS AS SHOWN PER THE TABLES SHOWN ABOVE.



NO SCALE



ALL-THREAD ROD.
LENGTH AS REQ'D FOR
PIPE SLOPE.

 PROVIDE COPPER OR NON-METALLIC COATING WHERE HANGERS CONTACT BARE

COPPER PIPE.

TOP BEAM C-CLAMP IF STEEL BAR JOIST.

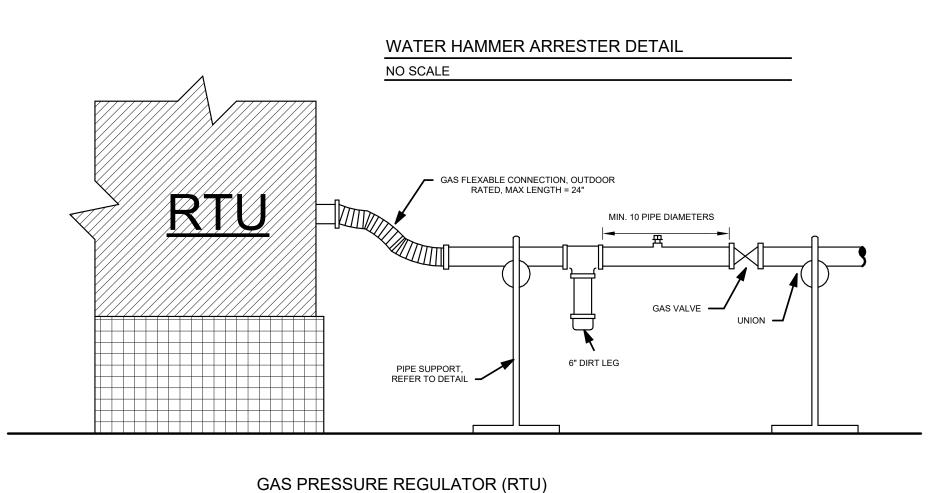
DO NOT HANG PIPE LARGER THAN 4" FROM BOTTOM OF JOISTS, AND HANG ONLY AT PANEL POINT.

ADJUSTABLE BAND HANGER FOR PIPING FOUR INCH OR

LESS. —

PIPE HANGER DETAIL

NO SCALE



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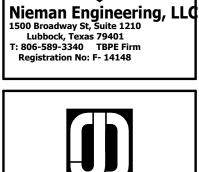
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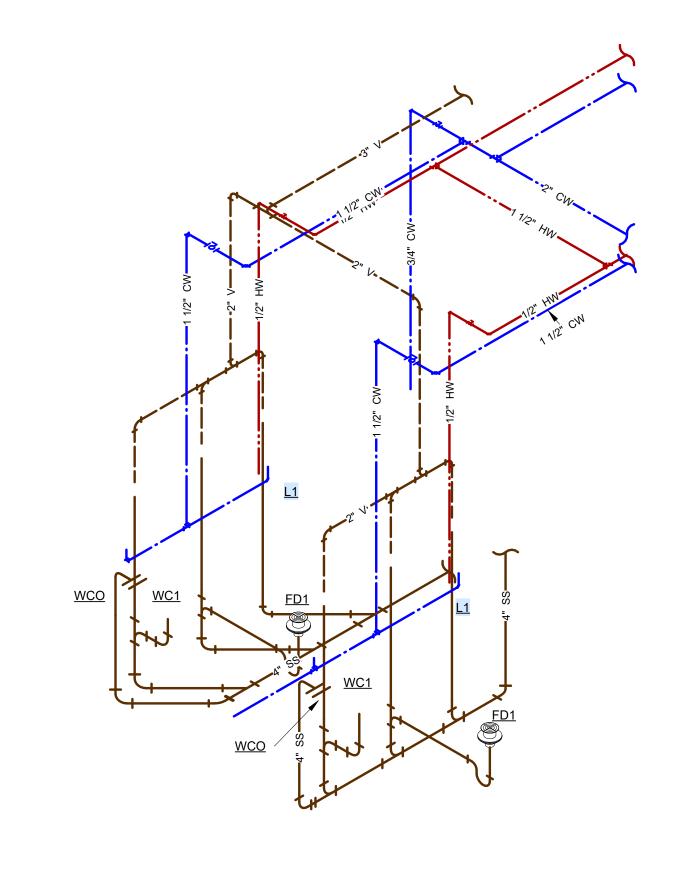
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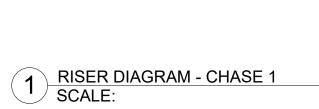
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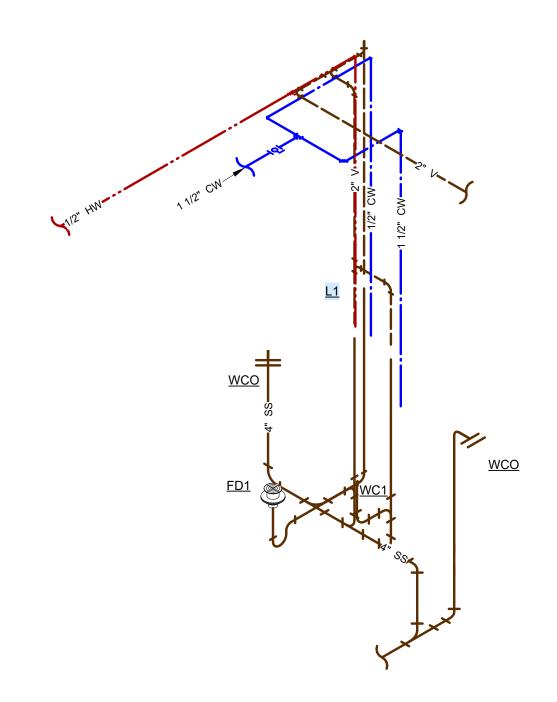
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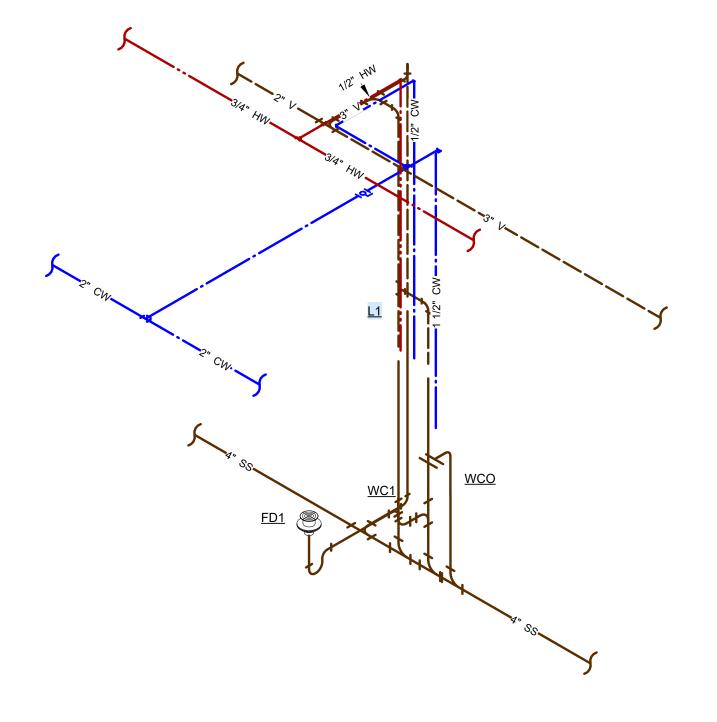
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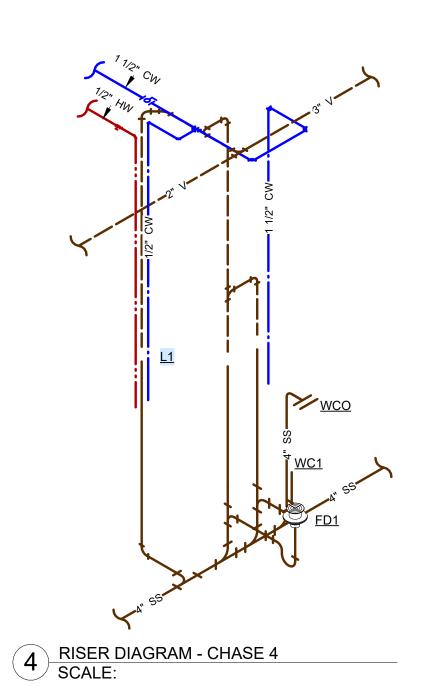


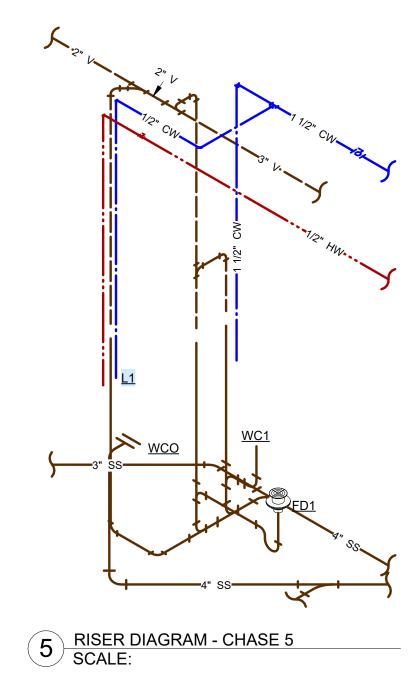


2 RISER DIAGRAM - CHASE 2 SCALE:



RISER DIAGRAM - CHASE 3
SCALE:







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PROJECT NO.

SHEET NO.

| | | PLUMBING FIXTURE SCHEDULE | FIX | DE 6.5 | NIN := ^ : | TIO |
|-----------|--|--|------------|------------|------------|-----|
| MARK | REFERENCE IMAGE | FIXTURE SPECIFICATION | 1 | RE CO | | |
| | | (FIXTURES ARE EXAMPLES ONLY, EQUAL FIXTURES FROM ALTERNATE MANUFACTURERS IS ACCEPTABLE. REFER TO SPECIFICATION FOR ACCEPTABLE MANUFACTURERS) | cw | HW | SS | V |
| | | WATER CLOSETS | | | | |
| WC4 | | Fixture/Flushvalve: Sloan Model WETS 2020.1001-1.28, 1.28GPF, floor mounted elongated bowl, siphon jet and Sloan Royal 1.28 Quiet Exposed Permex Rubber Diaphragm Type Flushvalve with ADA Non-Hold-Open Handle, Free Spinning Stop Cap, No External Volume Adjustment with bolt covers. TAS compliant | 4.4/01 | | 4" | 0" |
| WC1 | ST | Seat: Bemis 1955CT white solid plastic open front. | 1-1/2" | | 4 | 2" |
| | | LAVATORIES | | | | |
| | | Fixture: American Standard 9024.001EC, Decorum wall-hung lavatory, 20x14, vitreous china, rear overflow, and single-hole faucet drilling. TAS compliant. | | | | |
| | | Supply: T&S Brass BP-2704-BN, 4" Centerset Single Lever Faucet with ½" IPS Male Inlet Shanks, Temperature Limit Stop, and Ceramic Cartridge, Brushed Nickel Finish. TAS compliant. | | | | |
| | citie | Tailpiece: McGuire 155WC Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow and 17 gauge 1-1/4" inch | | | | |
| | | seamless brass offset tailpiece. P-trap: McGuire 8872C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome | _ | | | |
| L1 | | Plated Forged Brass Set Screw Flange. | 1/2" | 1/2" | 2" | 2" |
| | | os, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key dle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. | | | | |
| | | Protective Insulation: Truebro Lav Shield rigid enclosure to enclose all components (traps, mixing valve, etc.). Enclosure to be 0.093" nominal wall thickness, stain resistant PVC, china white color, and secured to wall with stainless steel screws. ADA Compliant. | | | | |
| | | Carrier: Mifab #MC-41 floor mounted Lavatory Carrier with concealed arms, leveling and securing screws, rectangular structural uprights and welded feet | _ | | | |
| | I . | SINKS | | | | |
| | | Fixture: Elkay LRAD-1918, 19" x 18" x 6" deep, single compartment, off-center drain, 18 gage type 302 self rimming stainless steel with 2 holes. TAS | | | | |
| | | compliant. Supply: T&S Brass B-2742, single lever side mounted remote on/off contral base faucet, ceramic cartridge, swivel gooseneck, 16" flexible stainless | _ | | | |
| | | steel supply hoses and 2.2GPM aerator. TAS compliant. Strainer: McGuire 1151WC, adjustable brass offset sink strainer with 17 gauge seamless brass waste arm and tailpiece, cast brass slip nuts and | | | | |
| S1 | | heavy cast elbow. P-trap: McGuire 8912C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome | 1/2" | 1/2" | 2" | 2" |
| 31 | | Plated Forged Brass Set Screw Flange. | 1/2 | 1/2 | 2 | |
| | | Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. | | | | |
| | | Protective Insulation: Plumberex X4333/X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design. | | | | |
| | | Fixture: Elkay DLR191910, 19-1/2" x 19" x 10-1/8" deep, single compartment, center drain, 18-gauge type 304 self-rimming stainless steel. | | | | |
| | | Supply: T&S Brass B-2742, single lever side mounted remote on/off contral base faucet, ceramic cartridge, swivel gooseneck, 16" flexible stainless steel supply hoses and 2.2GPM aerator. TAS compliant. | | | | |
| | | RO Faucet: Tomlinson 1020587 polished chrome reverse osmosis water faucet Strainer: McGuire 1151WC, adjustable brass offset sink strainer with 17 gauge seamless brass waste arm and tailpiece, cast brass slip nuts and | | | | |
| S2 | | heavy cast elbow. | 1/2" & | 1/2" | 2" | 2" |
| 32 | | P-trap: McGuire 8912C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Forged Brass Set Screw Flange. | RO | 1/2 | 2 | |
| | | Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. | | | | |
| | \$ | Protective Insulation: Plumberex X4333/X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design. Fixture: Elkay LRAD-33214, 33" x 21-1/4", 6" deep, double compartment with off-center drain outlets, 18-gauge type 304 self-rimming stainless steel | | | | |
| | | with 4 holes. TAS compliant. Supply: T&S Brass B-2731, 8" Center Set Widespread Deck Mount Faucet with Lever Handles, Swivel Gooseneck Spout, and 2.2 GPM Aerator. TAS | _ | | | |
| | | compliant. RO Faucet: Tomlinson 1020587 polished chrome reverse osmosis water faucet | | | | |
| | | Strainers: McGuire 1151WC, adjustable brass offset sink strainer with 17 gauge seamless brass waste arm and tailpiece, cast brass slip nuts and | 1/2" & | | | |
| S3 | \cap \cap | heavy cast elbow. P-trap: McGuire 8912C-F P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome | 1/2" RO | 1/2" | 2" | 2" |
| | | Plated Forged Brass Set Screw Flange. Stops, risers: McGuire BV2165-F Supply kit shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key | | | | |
| | | handle, Chrome Plated copper riser and Chrome Plated Forged Brass Set Screw Flange. Protective Insulation: Plumberex X4333/X4114, Insulate per ADA 4.19.4 and or IBC all exposed lavatories drain piping, hot/cold stops and supplies. | | | | |
| | | Protectors will consist of molded closed cell PVC, with anti-fungal and anti-microbial properties. To be one piece continuous smooth design. | | | | |
| | | ELECTRIC WATER COOLERS Fixture: Elkay SwirlFlo EZWS-ERPBM28K fully exposed dual height stainless steel fountain with bottle filling station, green ticker, hands free bottle | | | | |
| | i ja | filling, in-the-wall 8.0GPH refrigeration system, stainless steel grill, and vandal resistant bubbler. TAS compliant. Provide with LKAPR1 cane apron. | _ | | | |
| EWC1 | | P-trap: McGuire 8872C P-trap shall be chrome plated cast brass body with cleanout, with 17 gauge seamless wall bend, slip nuts and Chrome Plated Set Screw Flange. | 1/2" | | 2" | 2" |
| | | Stop: McGuire BV175 Supply shall include commercial pattern chrome plated Quarter-Turn Brass Ball Valve with convertible loose key handle. | | | | |
| | | Carrier:Install with manufacturer wall framing system and install per manufacturer requirements. | | | | |
| | | MOP BASINS | | | | |
| | | Fixture: Acorn TNC-24-SH-SSC-KWG, 24x24x12 corner precast terrazzo, 3" integral drain body, stainless steel back wall guards and stainless steel cap | | | | |
| MB1 | - / An - | Supply: T&S Brass B-0665-BSTR, Service Sink Faucet with rough chrome finish, built in stops, vacuum breaker, lever handles, wall brace and ¾" garden hose outlet | 3/4" | 3/4" | 3" | 2" |
| | | Accessories: T&S Brass B-0653 & B-0654, Reinforced PVC hose and mop hanger | | | | |
| | 1 | SPECIALTIES | ı | | | |
| | | Fixture: Watts LF009-QT-S lead free reduced pressure zone assembly. Provide with strainer. Provide with quarter turn valves for 1/4"-2" line sizes and NRS gate valves for lines 2-1/2" - 3". Provide in all locations shown on plan and as required by authority having jurisdiction. | | | | |
| RPZ | | Air Gap: Provide with air gap and extend to spill to nearest floor drain. | | LINE | SZE | |
| | z ngovengo (| | | | | |
| T. O. / 4 | | Fixture: Powers Intellistation Junior LFIS100VL-SYS100RTN lead free digital water temperature control and monitoring system that is factory piped. Provide with full color touchscreen interface, +/- 2 degree control, high temperature alarm. System shall digitally monitor inlet pressure and | | | 0175 | |
| TMV-1 | V- | temperature, mixed outlet temperature, mixed outlet set point, pressure, and flow/Btus, was well as return temperature without use of an external module. Provide with circulating pump as shown on water heater detail. Mount to wall as directed by manufacturer using the heavy duty strut system. | | LINE | SIZE | |
| | Section 1 | Provide with BACNet MSTP interface for connection to hospital Automated Logic system for temperature monitoring and control. | | | | |
| | | Fixture: Armetrong Company LION 2000 with kigh officians and Company of control in the line of the lin | | | | |
| | To the state of th | Fixture: Armstrong Compass H20-20SS with high efficiency ECM motor and 8 modes of control, in stainless steel body and Noryl impeller. The pump shall have a capacity of 5 USgpm against a total head of 12 ft. Stainless steel body Compass is NSF 372 certified, 45 watts max motor at 120V 60 Hz. | | | | |
| HWCP | | Install pump supported independently from structure, refer to detail. | | 3/4" HC | | |
| | | | 1 | | | |
| | | Control: 7 Day Digital Timer eqal to Taco #265-3 with temperature aquastat equal to Taco 563-2. Contractor shall coordinate with Owner for | | | | |

| | | PLUMBING FIXTURE SCHEDULE | FIVTI | DE 60 | NNIEC | | | | |
|-----------------------------|-----------------|---|------------------|-------------------------|-------|-------------|--|--|--|
| MADIC | | FIXTURE SPECIFICATION | 1 | CONNECTION I LINE SIZES | | | | | |
| MARK | REFERENCE IMAGE | (FIXTURES ARE EXAMPLES ONLY, EQUAL FIXTURES FROM ALTERNATE MANUFACTURERS IS ACCEPTABLE. REFER TO SPECIFICATION FOR ACCEPTABLE MANUFACTURERS) | cw | HW | SS | ١ | | | |
| HB1 | WATER | Fixture: Woodford Model 68, automatic draining with ASSE 1052 approved model 50HA high flow double check backflow preventer, 3/4" inlet and outlet. Hardended stainless steel operating stem and one-piece valve plunger to control both flow and drain functions. Exterior finish to be stainless steel. Loose tee key to be furnished with each hydrant. | 3/4" | | | | | | |
| RH1 | | Fixture: Woodford Model SRH-MS freezeless sanitary roof hydrant, 3/4" hose connection, ASSE 1052 liested, hose connection backflow preventer, and cast iron deck flange. No drain required for this hydrant and draining type hydrants are not acceptable. | 3/4" | | | | | | |
| IMB1 | | Fixture: Guy Gray sswb1 stainless steel washer box with quarter turn valves. Provide 1/2" line to both water outlets. Coordinate mounting height with architect prior to rough-in. | 1/2" x2 RO | | | | | | |
| FD1 | | Fixture: Floor Drains shall be coated cast iron, two piece body, non puncturing flashing collar with weep holes and 6" adjustable Stainless Steel Square strainer equal to MIFAB #F1100 Series. Provide all floor drains with trap seal equal to ProSet Trap Guard and install according to manufacturer's instructions. | _ | | 3" | 2 | | | |
| FD2 | | Fixture: Floor Drains shall be coated cast iron, two piece body, non puncturing flashing collar with weep holes, square top, heavy duty, 12" square hinged ductile iron tractor grate and removable sediment bucket equal to Mifab F1510. Provide all floor drains with trap seal equal to ProSet Trap Guard and install according to manufacturer's instructions. | _ | | 4" | 2 | | | |
| RD | | Fixture: Roof Drains shall be coated cast iron with large cast iron locking dome, non puncturing clamp ring with integral gravel stop, large sump, deck clamp assembly and drain receiver. Use adjustable extension (-AE) where required to accommodate insulation of variable thickness. Equal to Mifab #R1200-M-B-U. | | LINE SZE | | | | | |
| OFD | | Fixture: Over Flow Roof Drains shall be coated cast iron with large cast iron locking dome, non puncturing clamp ring with integral gravel stop, secured plastic internal water guard for 2" water depth, large sump, deck clamp assembly and drain receiver. Use adjustable extension (-AE) where required to accommodate insulation of variable thickness. Where Over Flow Roof Drain outlet is greater than 6" provide 2" High Cast Iron Solid Clamping Collar (-17). Equal to Mifab #R1200-M-B-U-W2. | | LINE SZE | | | | | |
| DSN | | Fixture: Down Spout Nozzle shall be cast bronze with loose wall flange and no-hub or threaded connections Equal to Mifab #R1940-2RB. | LINE SZE | | | | | | |
| LEANOUTS CO, WCO, DCO | | Floor cleanouts in finished floors shall be equal to MIFAB C-1100P-R-3 with stainless steel cover, and ANSI/ASME 5000-7499 lbs. Floor cleanouts in floors with thin flooring shall be equal to MIFAB C1100P-UR-3 with recessed top for flooring and ANIS/ASME 5000-7499 lbs. Floor cleanouts in tiled floors shall be equal to MIFAB C1100P-TS-3 with square stainless steel Cover, recessed for tile, ANIS/ASME 5000-7499 lbs. Floor cleanouts in carpeted floors shall be equal to MIFAB C1100P-RC-3 with lacquered cast iron body & anchor flange, secondary "O" ring Test Seal, 4" diameter cleanout opening & round nickel bronze scoriated combined cover & plug top assembly with stainless steel vandal proof allen key screws, primary gasket seal and 1 ½" round stainless steel carpet marker. (For membrane floors, add -C for membrane clamp.). Floor cleanouts in unfinished areas shall be equal to MIFAB C1100-XR adjustable floor cleanout with lacquered cast iron body & anchor flange, secondary "O" ring Test Seal, 4" diameter cleanout opening & round heavy duty square scoriated combined cover & plug top assembly with stainless | al, | | | | | | |
| | | secondary "O" ring Test Seal, 4" diameter cleanout opening & round heavy duty square scoriated combined cover & plug top assembly with stainless steel vandal proof allen key screws & primary gasket seal. (For membrane floors, add Suffix -C for the membrane clamp.). Exterior cleanouts subject to heavy wheel traffic shall be equal to MIFAB C1300-MF lacquered cast iron heavy duty access housing with fixed anchor flanges, extra heavy duty ductile iron access cover with 6 ½" (165) clear bottom access Wall cleanouts shall be concealed behind Stainless Steel access cover with screw equal to Mifab C1400-RD | | | | | | | |



ARCHITECTURE & INTERIOR DESIGN 3708 UPLAND AVE. LUBBOCK, TX 79407 806.748.6190

condray.com









NEW WOLFFORTH CLINIC

D PRESTON DRIVE & PRESTON HOLLOW LANE

| REVISIONS: | |
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PROJECT NO.

DATE: 2/

SHEET NO.

9 | OF |

| GENERAL NOTES |
|--|
| CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EARTHWORK. |
| VERIFY ALL ELECTRICAL INSTALLATIONS WITH LOCAL CODES AND CITY ORDINANCES PRIOR TO INSTALLATION. |
| IT IS ASSUMED THAT ANY OUTLET, SWITCH, RECEPTACLE, FIXTURE OR PANEL MAY BE RELOCATED WITHIN A TEN (10) FOOT RADIUS OF THE INDICATED LOCATION WITHOUT ADDITIONAL CHARGE TO THE OWNER. |
| THE ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXACT POWER REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN. TERMINATE AS DIRECTED BY EQUIPMENT NAME PLATES. COORDINATE EXACT LOCATION FOR INSTALLATIONS WITH OWNER PRIOR TO ROUGH-IN. NOTIFY ENGINEER IF ALTERNATE POWER IS REQUIRED. |
| VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT AND TEMPERATURE CONTROLS WITH MECHANICAL PLANS. PROVIDE 1" CONDUIT AT EACH THERMOSTAT. REFER TO MECHANICAL PLANS FOR LOCATIONS. |
| PROVIDE DEDICATED NEUTRAL WIRE FOR EACH 120V CIRCUIT BREAKER. |
| PROVIDE MOTOR RATED SWITCHES FOR EACH 120V HVAC CONNECTIONS. OVERLOADS SHALL MATCH MOTOR RATING. |
| CONTRACTOR SHALL PROVIDE NEMA 3R DISCONNECT SWITCHES FOR ALL EXTERIOR HVAC EQUIPMENT. INTERIOR DRY LOCATION DISCONNECT ENCLOSURES SHALL BE RATED NEMA 1. |
| ALL CONDUITS SERVING ROOF-MOUNTED EQUIPMENT SHALL BE EXTENDED INSIDE THE UNIT CURBS TO AVOID ADDITIONAL PITCHPANS. ALL EXTERIOR CONDUIT SHALL BE RIGID GALVANIZED STEEL OR LIQUID TIGHT FLEXIBLE CONDUIT AS SPECIFIED. |
| WHERE GFCI PROTECTION IS REQUIRED BY CODE AND CONNECTION IS LOCATED BEHIND EQUIPMENT. CONTRACTOR SHALL PROVIDE GFCI CIRCUIT BREAKER IN LIEU OF GFCI OUTLET. |
| PROVIDE TAMPER RESISTANT RECEPTACLES AS REQUIRED BY NEC ARTICLE 406.12. |
| VERIFY AND COORDINATE EXACT LOCATION OF ALL LIGHT FIXTURE LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECTURAL REFLECTIVE CEILING PLAN. |
| PROVIDE AN UN-SWITCHED HOT (BALLAST/DRIVER) TO ALL EMERGENCY FIXTURES ROUTED THRU LIGHTING CONTROLS TO PROVIDE EMERGENCY OPERATION. |
| LIGHTING CONTROL WIRING SHALL BE ROUTED IN SEPARATE CONDUIT/PATHWAY FROM POWER WIRING. |
| CONTRACTOR SHALL PROVIDE TWO(2) SEPARATE EQUIPMENT GROUND WIRES FOR RECEPTACLE CIRCUITS IN PATIENT CARE AREAS IN ACCORDANCE WITH NEC ARTICLE 517. |
| CONTRACTOR SHALL COORDINATE ALL X-RAY CONDUIT SIZES, ROUTING, WIRING AND CONNECTION REQUIREMENTS WITH X-RAY CONSULTANT DRAWINGS. |
| ALL RECEPTACLES IN EXAM ROOMS, AND AREAS REQUIRED BY NEC, SHALL BE GFCI. |
| REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT DEVICE PLACEMENTS IN ALL SPACES. |
| ALL SWITCHES, RECEPTACLES, DISCONNECTS, FACEPLATES, AND PANELS SHALL BE PROVIDED WITH A LABEL(NON-REMOVABLE) INDICATING PANEL AND CIRCUIT NUMBER SERVING DEVICE AS REQUIRED BY NFPA AND TDH. LABEL SHALL BE APPROVED BY UMC PERSONNEL AND ARCHITECT. |

ALL SWITCHES AND RECEPTACLES SHALL BE DECORA STYLE WITH WHITE FINISH.

| O A | 2x4 RECESSED LIGHT FIXTURE | igert | SPECIAL RECEPTACLE - TYPE NOTED |
|-------------------------|--|-------------------|---|
| ● AE | 2x4 RECESSED LIGHT FIXTURE WITH BATTERY BACK-UP | + | DOUBLE DUPLEX RECEPTACLE - 20A, 125V, 2P, 3W, GROUNDING |
| O A | 2x2 RECESSED LIGHT FIXTURE | <u></u> | JUNCTION BOX |
| AE AE | 2x2 RECESSED LIGHT FIXTURE WITH BATTERY BACK-UP | | DISCONNECT SWITCH |
| | 1x4 RECESSED LIGHT FIXTURE | \boxtimes_{J} | STARTER/DISCONNECT SWITCH |
| AE | 1x4 RECESSED LIGHT FIXTURE WITH BATTERY BACK-UP | + → | CIRCUIT RUN TO PANELBOARD - NUMBER OF WIRES SHOWN |
| A | SURFACE MOUNTED LIGHT FIXTURE | | CIRCUIT INDICATOR |
| AE | SURFACE MOUNTED LIGHT FIXTURE WITH BATTERY BACK-UP | _ | DISTRIBUTION PANELBOARD |
| O ^A | DOWN LIGHT FIXTURE | | SURFACE MOUNTED LIGHTING AND APPLIANCE PANELBOARD |
| ⊘ ^{AE} | DOWN LIGHT FIXTURE WITH BATTERY BACK-UP | | RECESSED MOUNTED LIGHTING AND APPLIANCE PANELBOARD |
| ⊢CA | WALL MOUNTED LIGHT FIXTURE | | PAD-MOUNTED SWITCHBOARD |
| ⊢ ● ^A | WALL MOUNTED LIGHT FIXTURE WITH BATTERY BACK-UP | 4 | WALL MOUNTED TELEPHONE/DATA OUTLET |
| ∆ E | EMERGENCY FIXTURE | ▼ AC | TELEPHONE/DATA OUTLET MOUNTED ABOVE COUNTER |
| | EXIT SIGN - NUMBER OF FACES INDICATED BY SHADING | ⊅ c | CEILING MOUNTED TELEPHONE/DATA OUTLET |
| AA AA | PARKING LOT POLE - NUMBER OF HEADS INDICATED | V | FLOOR MOUNTED TELEPHONE/DATA OUTLET |
| \$ | SPST WALL SWITCH | Tγ | TELEVISION OUTLET |
| \$ _D | DIMMING SWITCH | (\$) | CEILING MOUNTED SPEAKER |
| \$ _v | VACANCY SENSOR SWITCH | < ✓s | WALL MOUNTED SPEAKER |
| \$ _o | OCCUPANCY SENSOR SWITCH | FACP | FIRE ALARM CONTROL PANEL WITH VOICE EVACUATION MODULE |
| \$ ₃ | THREE-WAY SWITCH | FAA | REMOTE FIRE ALARM ANNUNCIATOR PANEL |
| \$ ₄ | FOUR-WAY SWITCH | 百 | FIRE ALARM PULL STATION |
| M | LIGHTING CONTROL MASTER STATION | Ë | FIRE ALARM SPEAKER/STROBE UNIT |
| R | LIGHTING CONTROL KEYPAD (REMOTE STATION) |) F | FIRE ALARM STROBE UNIT |
| (OS) | OCCUPANCY SENSOR | (S _D) | FIRE ALARM SMOKE DETECTOR |
| (V S) | VACANCY SENSOR | P | DUCT MOUNTED SMOKE DETECTOR |
| (DS) | DAYLIGHT SENSOR | Ĥ _{200°} | HEAT DETECTOR |
| Pp | POWER PACK | DH ■ | FIRE ALARM DOOR HOLD OPEN |
| TC | TIME CLOCK | Ψυ | DUPLEX RECEPTACLE WITH TWO USB CHARGING PORTS |
| LC | LIGHTING CONTACTOR | Φ | FLOOR MOUNTED DUPLEX RECEPTACLE |
| PC | PHOTOCELL | ₽ ▼ | COMBINATION FLOOR BOX WITH RECEPTACLES AND DATA INDICATED |
| Ф | DUPLEX RECEPTACLE - 20A, 125V, 2P, 3W, GROUNDING | • | 208V RECEPTACLE |
| ₩ AC | ABOVE COUNTER (VERIFY WITH ARCHITECTURAL) | ₩P | DUPLEX RECEPTACLE WITH WEATHER-PROOF COVER |
| ∯ GFCI | DUPLEX RECEPTACLE WITH GFCI | 42" | DUPLEX RECEPTACLE MOUNTED AT INDICATED HEIGHT |
| Фс | CEILING MOUNTED RECEPTACLE | | |

| ELECTRICAL ABBREVIATIONS | |
|---|--|
| ABOVE COUNTER ABOVE FINISHED FLOOR ALTERNATING CURRENT AMERICAN NATIONAL STANDARDS INSTITUTE AMERICAN SOCIETY FOR TESTING AND MATERIALS AMERICAN WIRE GAUGE AMPERE AMPHOUR AMPERE INTERRUPTING CAPACITY ARC FAULT CIRCUIT INTERRUPTER AUTHORITY HAVING JURISDICTION AUTOMATIC TRANSFER SWITCH | AC AFF AC ANSI ASTM AWG AMP AH AIC AFCI AHJ ATS |
| BATTERY BUILDING AUTOMATION SYSTEM | BAT BAS |
| CEILING COAXIAL CABLE COLOR RENDERING INDEX COMMUNICATIONS CONDUIT CONTROL COPPER CURRENT TRANSFORMER. | C COAX CRI COMM C CTRL CU CT |
| DECIBEL (SOUND) DEMOLITION DIRECT CURRENT DOUBLE POLE, DOUBLE THROW DOUBLE POLE, SINGLE THROW | dB DEMO DC DPDT DPST |
| ELECTRIC ELECTRICAL METALLIC TUBING ELECTRICAL NONMETALLIC TUBING | ELEC EMT ENT |
| FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL FLEXIBLE METALLIC CONDUIT FOOTCANDLE FULL LOAD AMPS | FAAP FACP FMC FC FLA |
| GAUGE GROUND GROUND FAULT CIRCUIT INTERRUPTER | GA GND GFCI |
| HORSEPOWER | HP |
| INTERMEDIATE METAL CONDUIT INTERNATIONAL BUILDING CODE | IMC IBC |
| KILOVOLT KILOVOLT AMP KILOWATT KILOWATT HOUR | kV kVA kW kWH |
| LIQUIDTIGHT FLEXIBLE METAL CONDUIT LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT LOW VOLTAGE LUMEN LUMENS PER WATT | LFMC LFNC LV LM LPW |
| MAIN CIRCUIT BREAKER MAIN LUGS ONLY | MCB MLO |
| MINIMUM MINIMUM CIRCUIT AMPS MOTOR CONTROL CENTER | MIN MCA MCC |
| NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NATIONAL FIRE CODE NATIONAL FIRE PROTECTION ASSOCIATION NOTIFICATION APPLIANCE CIRCUIT | NEC NEMA NFC NFPA NAC |
| PANELBOARD PHASE POLY VINYL CHLORIDE POWER FACTOR PUBLIC ADDRESS | PB PH PVC PF PA |
| RECEPTACLE RIGID GALVANIZED STEEL RIGID NONMETALLIC CONDUIT | RECEP RGS RNC |
| SINGLE PHASE SINGLE POLE, DOUBLE THROW SINGLE POLE, SINGLE THROW SWITCHBOARD | 1∅ SPDT SPST SWBD |
| THREE PHASE TELEPHONE TERMINAL ROARD UNINTERRUPTIBLE POWER SUPPLY | 3Ø TT R UPS |
| VARIABLE FREQUENCY DRIVE VOLT, VOLTS, VOLTAGE VOLT AMPERE | VFD V VA |
| WEATHERPROOF | WP |

| WIRE AND | VIRE AND CONDUIT SIZING CHART | | | | | | | | | | | | | | | | | | | |
|----------|-------------------------------|------|------|------|-----|-----|-----|-----|-----|--------|--------|--------|--------|--------|------|------|------|--------|------------|------------|
| BREAKER | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 | 125 | 150 | 175 | 200 | 225 | 300 | 400 |
| PHASE | #12 | #12 | #10 | #10 | #8 | #8 | #8 | #8 | #6 | #4 | #4 | #2 | #2 | #1 | #1/0 | #2/0 | #3/0 | #4/0 | #350 KCMIL | #500 KCMIL |
| NEUTRAL | #12 | #12 | #10 | #10 | #8 | #8 | #6 | #6 | #6 | #4 | #4 | #2 | #2 | #1 | #1/0 | #2/0 | #3/0 | #4/0 | #350 KCMIL | #500 KCMIL |
| GROUND | #12 | #12 | #10 | #10 | #10 | #10 | #10 | #10 | #10 | #8 | #8 | #8 | #8 | #6 | #6 | #6 | #6 | #4 | #4 | #3 |
| CONDUIT | 3/4" | 3/4" | 3/4" | 3/4" | 1" | 1" | 1" | 1" | 1" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/2" | 2" | 2" | 2" | 2-1/2" | 3" | 4" |

NOTES:

1. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL CONDUCTORS AND CONDUIT SHALL BE SIZED FROM THIS CHART.

2. ALL 120V LIGHTING AND POWER CIRCUITS OVER 75' TO BE #10 THHN.

DESIGN GROUP ARCHITECTURE

> 3708 UPLAND AVE. LUBBOCK, TX 79407 806.748.6190 condray.com

& INTERIOR DESIGN





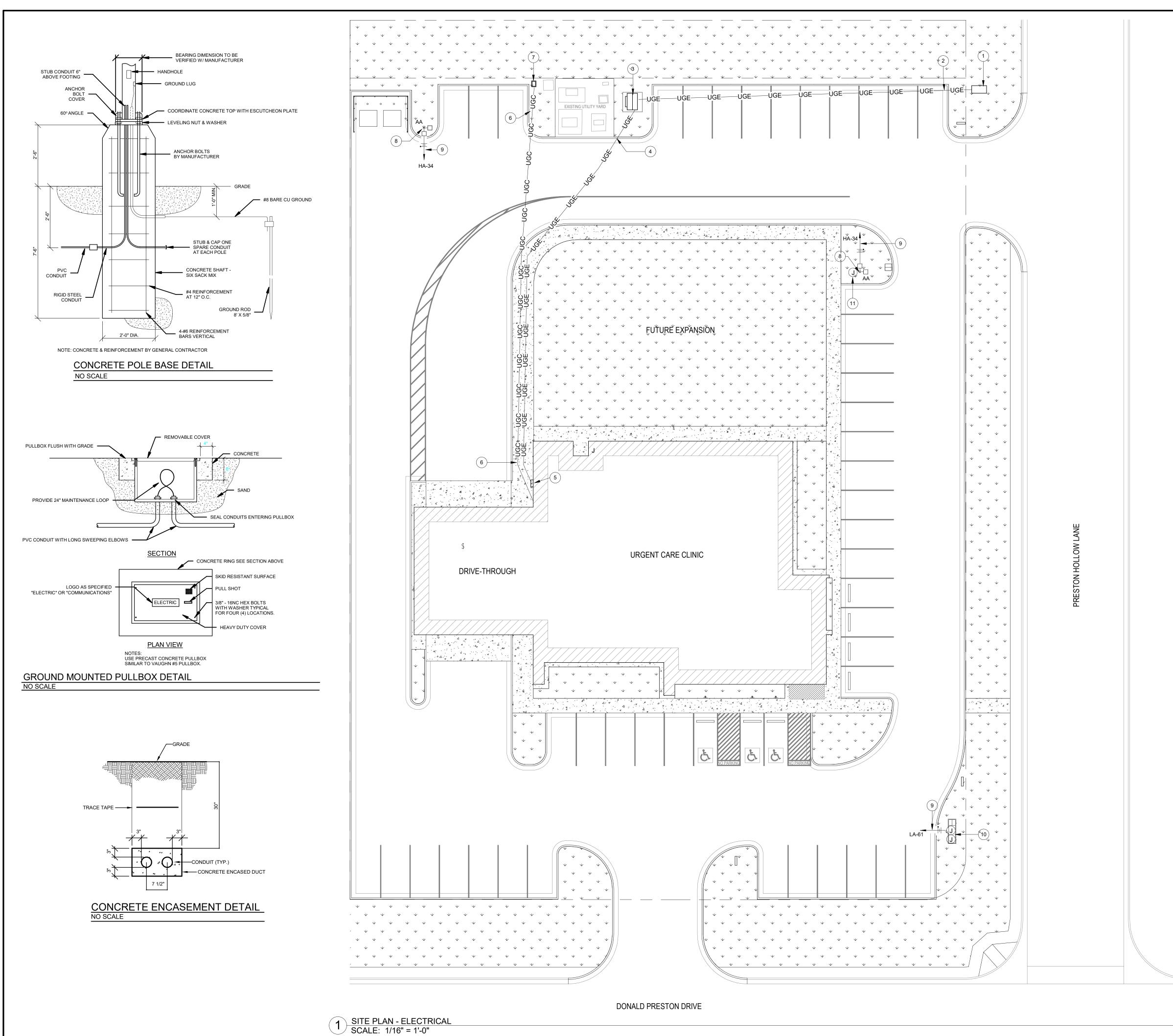




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PROJECT NO. SHEET NO.



KEYED NOTES

- EXISTING PRIMARY CABINET.
- 2. UNDERGROUND PRIMARY BY UTILITY COMPANY. PROVIDE EARTHWORK FOR PRIMARY AS REQUIRED BY UTILITY COMPANY.
- PAD MOUNTED TRANSFORMER BY UTILITY COMPANY. CONCRETE PAD, KWH METER, SECONDARY CONDUIT AND CONDUCTORS BY ELECTRICAL CONTRACTOR AS DIRECTED BY UTILITY COMPANY.
- CONCRETE ENCASED UNDERGROUND SERVICE ENTRANCE TO BUILDING. REFER TO ELECTRICAL RISER DIAGRAM. REFER TO DETAIL ON THIS SHEET.
- 5. MAIN DISCONNECT, CT CABINET AND KWH METER. REFER TO ELECTRICAL RISER DIAGRAM.
- 6. PROVIDE (2) 3" CONDUITS WITH PULL STRING FROM TELEPHONE TERMINAL BOARD TO PULL BOX AT PROPERTY LINE TO SERVE COMMUNICATION UTILITY SERVICE. COORDINATE WITH UTILITY PROVIDERS PRIOR TO BID.
- . COMMUNICATION PULL BOX. REFER TO DETAIL ON THIS SHEET.
- 8. NEW POLE MOUNTED LIGHT FIXTURE. REFER TO POLE BASE DETAIL FOR INFORMATION.
- 9. ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING CONTACTOR IN ELECTRICAL ROOM.
- 10. PROVIDE 120V POWER AND (1) 1" CONDUIT FOR COMMUNICATION WIRING TO SERVE MONUMENT SIGN. COORDINATE CONNECTION REQUIREMENTS WITH SIGN PROVIDER.
- 11. PROVIDE (2) 3/4" CONDUITS TO SERVE CAMERA AND WIFI. COORDINATE LOCATION WITH OWNER AND ARCHITECT. EXTEND TO ELEC/IT ROOM.

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NEW WOLFFORTH CLINIC
PRESTON DRIVE & PRESTON HOLLOW LANE
WOLFFORTH, TEXAS 79382

JALD

REVISIONS:

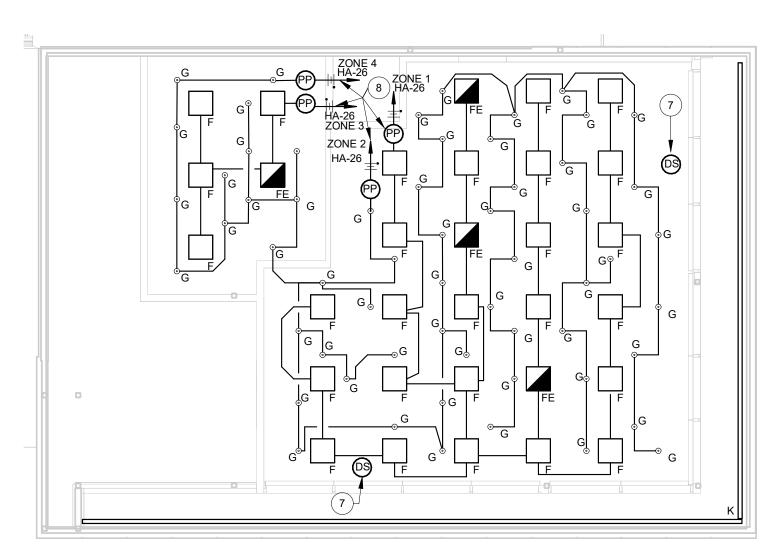
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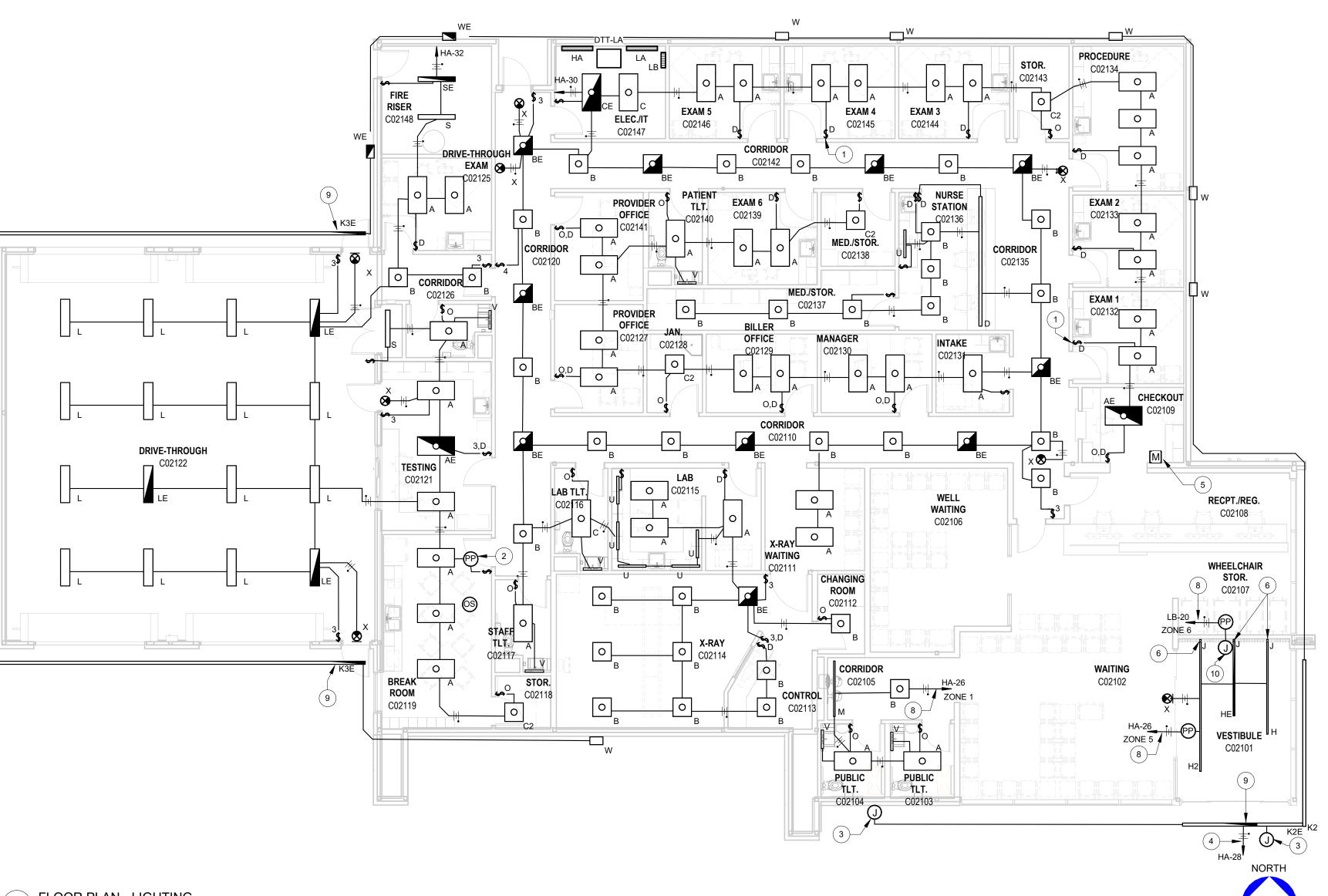
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SHEET NO.



2 FLOOR PLAN - LIGHTING SCALE: 1/8" = 1'-0"





KEYED NOTES

- TYPICAL LOW VOLTAGE LIGHT DIMMER SWITCH WITH 0-10V CONTROL. REFER TO LIGHTING CONTROL DETAILS FOR ADDITIONAL INFORMATION.
- TYPICAL POWER PACK TO OPERATE OCCUPANCY SENSOR AND DIMMER SWITCH. MOUNT POWER PACK ABOVE CEILING.
- WEATHERPROOF JUNCTION BOX TO SERVE EXTERIOR SIGN. COORDINATE CONNECTION REQUIREMENTS AND LOCATION WITH SIGN PROVIDER.
- ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING CONTROLS.
- FRESCO LIGHTING CONTROLLER TO SERVE LIGHTING AND MOTORIZED BLINDS IN WAITING, RECEPTION, AND VESTIBULE. PROVIDE ALL ACCESSORIES AND MODULES REQUIRED FOR A COMPLETE SYSTEM. REFER TO POWER PLAN FOR BLIND LOCATIONS AND CIRCUITS.
- FIXTURE CONTINUES DOWN WALL. REFER TO ARCHITECTURAL ELEVATIONS FOR DIMENSIONS.
- PROVIDE DAYLIGHT SENSOR TO AUTOMATICALLY DIM FIXTURES IN WAITING AND RECEPTION AREA.
- ROUTE THROUGH FRESCO LIGHTING CONTROLLER.
- PROVIDE EMERGENCY BATTERY PACK TO SERVE 4FT SECTION OF LIGHT ABOVE EGRESS DOOR.
- PROVIDE 120V CONNECTION TO SIGN. COORDINATE CONNECTION REQUIREMENTS AND LOCATION WITH SIGN PROVIDER.



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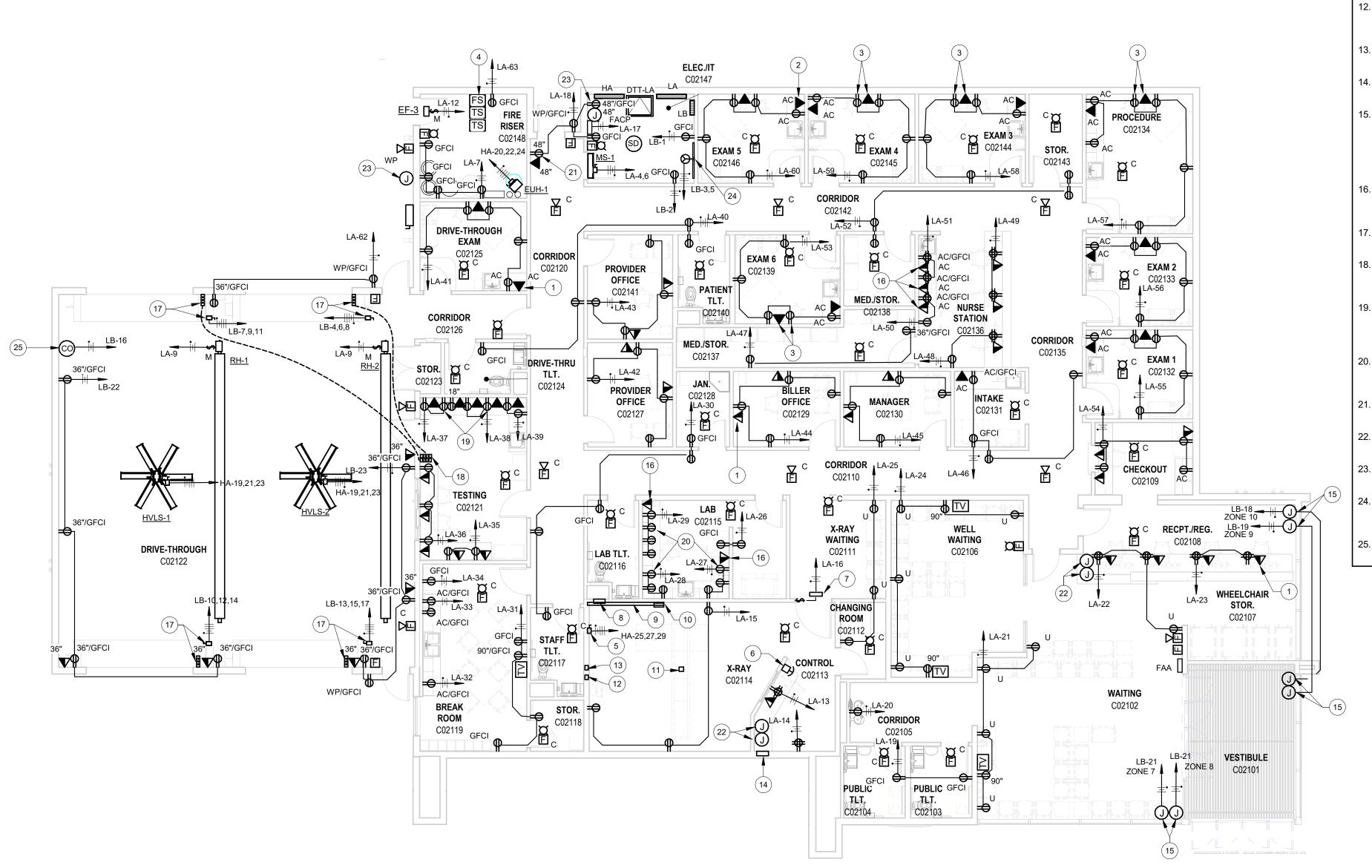
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SHEET NO.

3 OF

1 FLOOR PLAN - LIGHTING SCALE: 1/8" = 1'-0"



- COMBINATION TELEPHONE AND DATA OUTLET(TYPICAL). PROVIDE TWO(2) CATEGORY 6 RJ-45 JACKS, TWO(2) CATEGORY 6 CABLES(TELEPHONE-WHITE, DATA-BLUE). EXTEND AND CONNECT TO PATCH PANEL IN LAN RACK. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- RECEPTACLE AND DATA OUTLET TO SERVE "EMR". STACK DEVICES AT 76" AFF. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION. ALL RECEPTACLES IN EXAM ROOMS SHALL BE GFCI. (TYPICAL)
- PROVIDE CONNECTION OF ALL FLOW AND TAMPER SWITCHES TO FIRE ALARM CONTROL PANEL. COORDINATE EXACT NUMBER OF FLOW AND TAMPER SWITCHES
- 480V, 70A SHUNT TRIP CIRCUIT BREAKER TO SERVE X-RAY GENERATOR CABINET. COORDINATE REQUIREMENTS WITH X-RAY CONSULTANT DRAWINGS.
- EMERGENCY STOP BUTTON TO CONTROL SHUNT TRIP CIRCUIT BREAKER. COORDINATE CONNECTION REQUIREMENTS WITH X-RAY CONTRACTOR AND MANUFACTURER.
- CONTROL SWITCH. PROVIDE 1/2" CONDUIT FROM LIGHT AND SWITCH TO GENERATOR CAB.
- WALL AT 9" AFF OPEN TO WALL DUCT. PROVIDE GROMMETED OPENINGS AS INDICATED IN X-RAY CONSULTANT DRAWINGS.

- 6" x 6" x 4" JUNCTION BOX FLUSH MOUNTED IN FINISHED FLOOR TO SERVE TABLE.
- 13. 4" x 4" x 4" JUNCTION BOX FLUSH MOUNTED IN WALL AT 6" BELOW CEILING TO SERVE ACCESS POINT. PROVIDE (2) 1" CONDUITS TO JUNCTION BOX SERVING COMPUTER.
- 10" x 10" x 4" JUNCTION BOX FLUSH MOUNTED IN WALL AT 12" AFF TO COMPUTER. PROVIDE 2 1/2" CONDUIT TO JUNCTION BOX SERVING GENERATOR CABINET.
- PROVIDE CONNECTION(S) TO MOTORIZED BLINDS MOUNTED AT CEILING HEIGHT AND AT INTERMEDIARY BREAK AT WINDOWS. COORDINATE CONNECTION LOCATION AND TYPE WITH MANUFACTURER. ROUTE CIRCUIT THROUGH FRESCO-AVI INTERFACE FOR ZONE CONTROL. SHADES SHALL BE PROGRAMMED TO ACCOMMODATE DAYLIGHT HARVESTING WITH MANUAL OVERRIDE OPTION. REFER
- PROVIDE TWO CATEGORY 6 RJ-45 JACKS AND CATEGORY 6 CABLES(DATA-BLUE). EXTEND AND CONNECT TO PATCH PANEL IN LAN RACK. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CONNECTION REQUIREMENTS WITH DOOR MANUFACTURER.
- SECONDARY CONTROL TO OPERATE OVERHEAD DOOR. COORDINATE CONNECTION REQUIREMENTS WITH DOOR MANUFACTURER. COORDINATE LOCATION WITH
- RECEPTACLES AND DATA OUTLETS SHALL BE MOUNTED ABOVE COUNTER, EXCEPT ONE RECEPTACLE NOTED AS 18" TO SERVE UNDER COUNTER REFRIGERATOR. RECEPTACLES SHALL BE GFCI. COORDINATE LOCATIONS WITH ARCHITECTURAL ELEVATION.
- RECEPTACLES AND DATA OUTLETS SHALL BE MOUNTED ABOVE COUNTER. RECEPTACLES SHALL BE GFCI. COORDINATE LOCATIONS WITH ARCHITECTURAL
- EXTEND THROUGH ADJACENT WALL AND TO AN ACCESSIBLE POINT ABOVE CEILING.
- COORDINATE EXACT LOCATION WITH IRRIGATION CONTRACTOR.
- MATCH WALL. PROVIDE TWIST LOCK L6-30R, 30A, 250V AC RECEPTACLE TO SERVE IT RACK. COORDINATE EXACT LOCATION WITH UMC IT PERSONNEL.
- LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.

KEYED NOTES

- DATA OUTLET (TYPICAL). PROVIDE CATEGORY 6 RJ-45 JACK AND CATEGORY 6 CABLES(DATA-BLUE). EXTEND AND CONNECT TO PATCH PANEL IN LAN RACK. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WITH FIRE SUPPRESSION CONTRACTOR.
- PROVIDE "IN USE" WARNING LIGHT, LITHONIA "LE-P-1-R-SW09" AND DOOR JAMB
- GENERATOR CABINET. PROVIDE 16" x 16" x 4" JUNCTION BOX FLUSH MOUNTED IN
- WALL DUCT. COORDINATE REQUIREMENTS WITH X-RAY CONSULTANT.
- 10. VERTICAL RISER WITH GROMMETED OPENING.COORDINATE REQUIREMENTS WITH X-RAY CONSULTANT.
- PROVIDE 2 1/2" CONDUIT TO JUNCTION BOX SERVING GENERATOR CABINET.
- 12. 6" x 6" x 4" JUNCTION BOX FLUSH MOUNTED IN WALL AT 30" AFF TO FLOOR MOUNTED WALL STAND. PROVIDE 2 1/2" CONDUIT TO JUNCTION BOX SERVING GENERATOR

- TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS FOR BLIND LOCATIONS.
- DISCONNECT AND CONTROLS TO SERVE OVERHEAD DOOR. COORDINATE

- RECEPTACLE AND DATA OUTLET TO SERVE EMPLOYEE TIME CLOCK. COORDINATE EXACT LOCATION WITH ARCHITECT.
- PROVIDE (2) 3/4" SPARE CONDUITS FOR FUTURE CONNECTION IN MILLWORK.
- PROVIDE RECEPTACLE AND 3/4" CONDUIT TO SERVE IRRIGATION CONTROLLER.
- TELEPHONE TERMINAL BOARD (TTB). PROVIDE 8'x4'x3/4" PLYWOOD. PAINT TO
- PROVIDE 120V CONNECTION FOR CARBON MONOXIDE DETECTOR. COORDINATE

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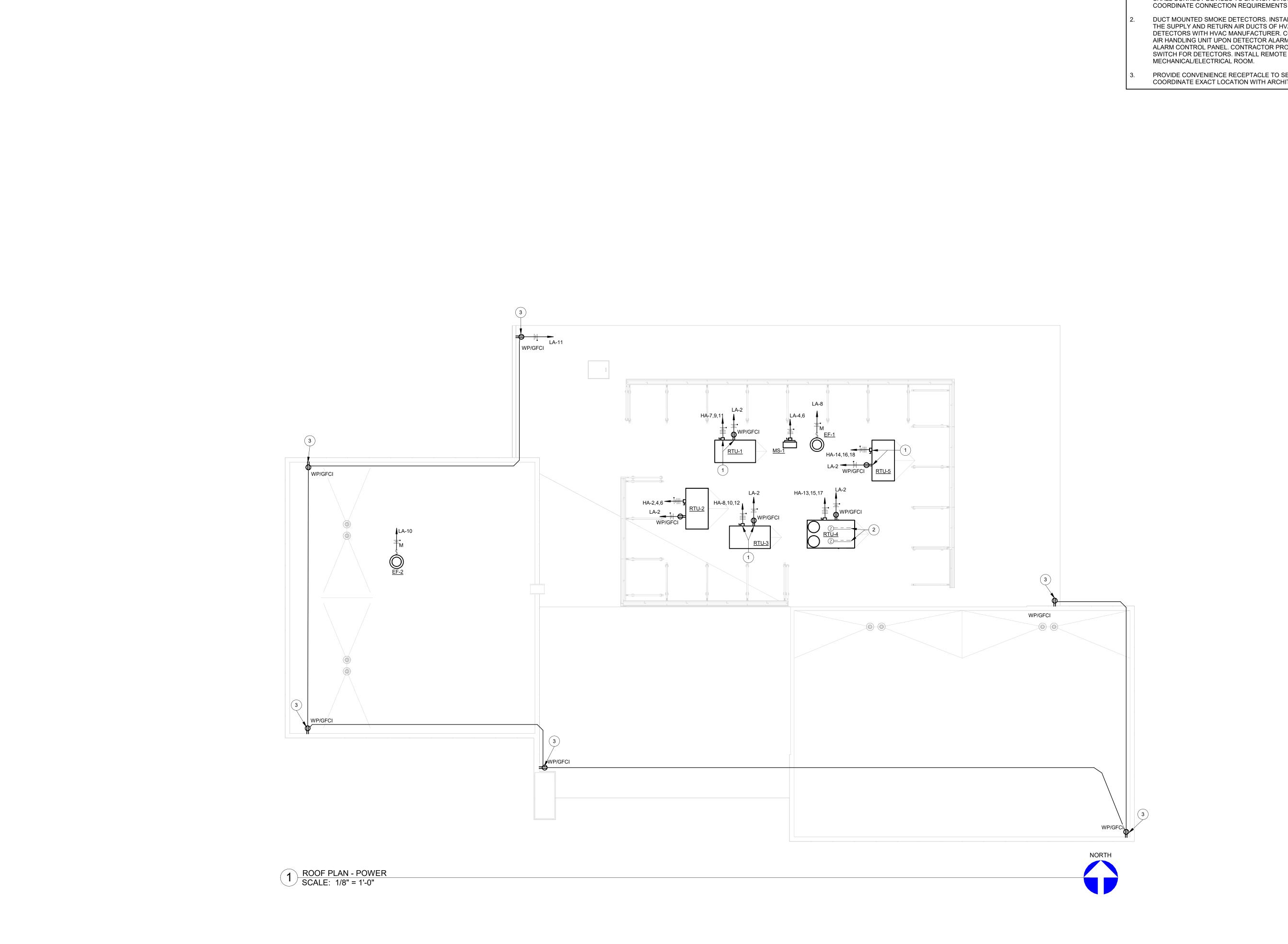
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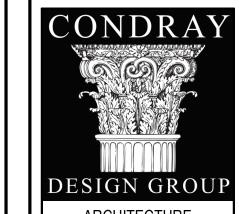
OF

FLOOR PLAN - POWER/COMMUNICATIONS
SCALE: 1/8" = 1'-0"





- DISCONNECT AND RECEPTACLE PROVIDED BY RTU MANUFACTURER. CONTRACTOR SHALL CONNECT DEVICES TO BRANCH CIRCUITS INDICATED ON PLANS. COORDINATE CONNECTION REQUIREMENTS WITH HVAC MANUFACTURER (TYPICAL).
- DUCT MOUNTED SMOKE DETECTORS. INSTALL DETECTORS AND SAMPLE TUBES ON THE SUPPLY AND RETURN AIR DUCTS OF HVAC UNIT. COORDINATE LOCATION OF DETECTORS WITH HVAC MANUFACTURER. CONNECT DETECTORS TO SHUT DOWN AIR HANDLING UNIT UPON DETECTOR ALARM. EXTEND AND CONNECT TO FIRE ALARM CONTROL PANEL. CONTRACTOR PROVIDE REMOTE TEST AND RE-SET SWITCH FOR DETECTORS. INSTALL REMOTE SWITCH IN ADJACENT
- PROVIDE CONVENIENCE RECEPTACLE TO SERVE STRING LIGHTING (BY OWNER). COORDINATE EXACT LOCATION WITH ARCHITECT.



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SHEET NO.

Fault Current

Project Name: UMC Wolfforth Clinic Project Number: 24-181 Designed By: Fincher Engineering Item Name: AIC Rating Notes: -NONE-

Calculation of Fault Current
Fault SCA Source = TA Primary Infinite
SCA Available = Infinite
Length Units = Feet
Motor Load = None
Motor SCA = None
Motor SCA Treatment = Motor SCA Not Included

System Voltage = 480 System Phase = 3 Phase

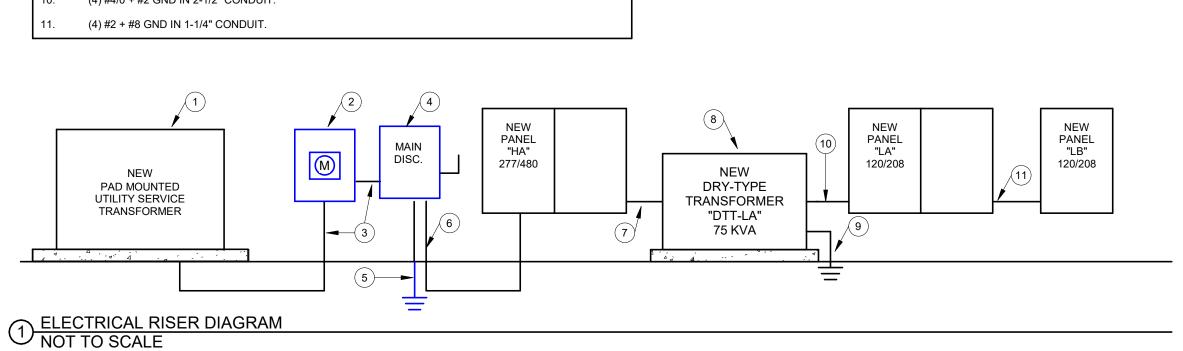
| | sformers | | | | | | |
|-------|------------------|----------|--------|-------|-------|------|---------|
| TA | Name UTILITY | PH | Size | Pri.V | Sec.V | %Z | SCA,3PH |
| IA | OHLIT | 3-PH | 112.5 | 13200 | 480 | 1.6 | 8,458 |
| | Name | Cond | Cable | Size | Qtv | Feet | SCA.3PH |
| S/F | MAIN DISC | PVC, ABS | 1/c,CU | 500 | 1 | 100 | 7,591 |
| Main- | -Feeders Name | Cond | Cable | Size | Qty | Feet | SCA,3PH |
| F1 | PANEL HA | RGS | 1/c,CU | 500 | 1 | 30 | 7,320 |

File Name: E:\24-181 (UMC Wolfforth Clinic)\Electrical\AIC Rating.edr

Date Created: 2/6/2025 1:50:08 PM Date Modified: 2/6/2025 1:52:03 PM

Source: EDR, Electrical Designer's Reference Software Version: 11.2 (Build 1). Based on the NEO®. Copyright © 2000-20013 C+E Electronic Publishing, Inc. All Rights Reserved.

| \bigcirc | GENERAL NOTES (| $\overline{\bigcirc}$ |
|------------|---|-----------------------|
| A. | COORDINATE ALL SITE CONDITIONS PRIOR TO BID. | |
| B. | COORDINATE ALL ELECTRICAL UTILITY REQUIREMENTS WITH UTILITY COMPANY PRIOR TO BID. | |
| C. | ALL ELECTRICAL ITEMS TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL COAND ALL LOCAL ORDINANCES AND CODES. | ODE |
| D. | ALL METERING REQUIREMENTS MUST BE COORDINATED WITH UTILITY COMPANY PRIOR TO BID INCLUDE ALL CT'S, CABINET AND BASES AS DIRECTED BY UTILITY COMPANY. | |
| | KEYED NOTES | |
| 1. | NEW 277/480V, 3Ø, 4-WIRE PAD MOUNTED TRANSFORMER. PROVIDE CONCRETE PAD AND TRENCHING AS REQUIRED BY UTILITY COMPANY. | |
| 2. | KWH METER BASE BY CONTRACTOR. COORDINATE SERVICE ENTRANCE REQUIREMENTS WITH UTILITY COMPANY. | |
| 3. | (4) #500 KCMIL IN 4" CONDUIT. | |
| 4. | 400A/3P ENCLOSED CIRCUIT BREAKER(SERVICE ENTRANCE RATED) IN A NEMA 3R ENCLOSURE. MINIMUM AIC SHALL BE 14000A | |
| 5. | #1/0 GND IN 1" CONDUIT. | |
| 6. | (4) #500 KCMIL + #3 GND IN 4" CONDUIT. | |
| 7. | (3) #2 + #8 GND IN 1-1/4" CONDUIT. | |
| 8. | $480:120/208V$ DRY TYPE TRANSFORMER 115°C RISE, DELTA/WYE, COPPER WINDINGS. PROVIDE 4 CONCRETE HOUSEKEEPING PAD FOR TRANSFORMER. | 1" |
| 9. | #2 GND IN 1" CONDUIT. | |
| 10. | (4) #4/0 + #2 GND IN 2-1/2" CONDUIT. | |
| 11 | (4) #2 + #8 GND IN 1-1/4" CONDUIT | |



| | MOUNTING: | | | PHASE | | <u>inel:</u> | <u>HA</u> | | | MINIM | MAINS BUS UM AIC. | 400 A MLO 400 AMPS 14000 AMPS | |
|----------------|-----------------------------|---------|----------------|-------|-------|--------------|-----------|------|------|------------|-------------------------|-------------------------------------|-----|
| Note | DESCRIPTION | BKR | CKT NO. | Α | В | С | Α | В | С | CKT NO. | BKR | DESCRIPTION | Not |
| | DTT-LA | 175 A | 1 | 15796 | | | 3601 | | | 2 | 15 A | RTU-2 | |
| | | | 3 | | 16576 | | | 3601 | | 4 | | | |
| | | | 5 | | | 18876 | | | 3601 | 6 | | | |
| | RTU-1 | 15 A | 7 | 2770 | | | 2770 | | | 8 | 15 A | RTU-3 | |
| | | | 9 | | 2770 | | | 2770 | | 10 | | | |
| | | | 11 | | | 2770 | | | 2770 | 12 | | | |
| | RTU-4 | 35 A | 13 | 7756 | | | 2770 | | | 14 | 15 A | RTU-5 | |
| | | | 15 | | 7756 | | | 2770 | | 16 | | | |
| | | | 17 | | | 7756 | | | 2770 | 18 | | | |
| | HVLS-1,2 | 20 A | 19 | 1662 | | | 1667 | | | 20 | 20 A | UH-1 | |
| | | | 21 | | 1662 | | | 1667 | | 22 | | | |
| | | | 23 | | | 1662 | | | 1667 | 24 | | | |
| | X-RAY | 70 A | 25 | 19390 | | | 1667 | | | 26 | 20 A | LIGHTING | |
| | | | 27 | | 19390 | | | 1640 | | 28 | 20 A | LIGHTING | |
| | | | 29 | | | 19390 | | | 3080 | 30 | 20 A | LIGHTING | |
| | Space | 100 A | 31 | 0 | | | 1347 | | | 32 | 20 A | LIGHTING | |
| | | | 33 | | 0 | | | 588 | | 34 | 20 A | LIGHTING | |
| | | | 35 | | | 0 | | | 0 | 36 | 20 A | Space | |
| | Space | 225 A | 37 | 0 | | | 0 | | | 38 | 225 A | Spare | |
| -+ | | | 39 | | 0 | | | 0 | | 40 | | <u></u> | |
| | | | 41 | | | 0 | | | 0 | 42 | | | |
| _ | Space | 100 A | 43 | 0 | | | 0 | | | 44 | 100 A | Space | |
| + | | | 45 | | 0 | | | 0 | | 46 | | | |
| _ | | | 47 | | | 0 | | | 0 | 48 | | | |
| _ | Space | 100 A | 49 | 0 | | | 0 | | | 50 | 100 A | Space | |
| | | | 51 | - | 0 | | - | 0 | | 52 | | | |
| + | | | 53 | | | 0 | | | 0 | 54 | | | |
| | Space | 100 A | 55 | 0 | | | 0 | | | 56 | 100 A | Space | |
| + | | | 57 | | 0 | | | 0 | | 58 | | <u></u> | |
| | | | 59 | | | 0 | | | 0 | 60 | | | |
| | Space | | 61 | | | | | | | 62 | | Space | |
| | Space | | 63 | | | | | | | 64 | | Space | |
| | Space | | 65 | | | | | | | 66 | | Space | |
| | Space | | 67 | | | | | | | 68 | | Space | |
| | Space | | 69 | | | | | | | 70 | | Space | |
| | Space | | 71 | | | | | | | 72 | | Space | |
| | Space | | 73 | | | | | | | 74 | | Space | |
| | Space | | 75 | | | | | | | 76 | | Space | |
| - | Space | | 77 | | | | | | | 78 | | Space Space | |
| 1 | SPD | | 79 | | | | _ | | | 80 | | Space | + |
| ' | | | 81 | | _ | | | _ | | 82 | | Space Space | + |
| | | | 83 | | | | | | | | | | + |
| | CONNECTED LOAD: | 186 727 | | | | | | | | 84 | | Space | |
| , | CONNECTED LOAD: PHASE A: | | VA 51,196 V | A | AMPS | 22 | 1 A | | | | | | |
| | PHASE B: | | 1,190 V | | AMPS | 22 | | | | | | | |
| | PHASE C: | | 4,342 V | | AMPS | | 2 A | | | | | | |

1. PROVIDE INTEGRAL MOUNTED SURGE PROTECTION DEVICE(SPD) 120KA. MODES: L-L, L-G, L-N, N-G

20 A 13 360 RECEPTACLE RECEPTACLE 14 20 A RECEPTACLE 20 A 15 540 16 20 A X-RAY LIGHT 20 A 17 FACP 720 18 20 A RECEPTACLE 20 A 19 360 RECEPTACLE 20 20 A RECEPTACLE 20 A 21 RECEPTACLE 22 | 20 A RECEPTACLE 20 A 23 RECEPTACLE 24 | 20 A | RECEPTACLE 20 A 25 540 RECEPTACLE RECEPTACLE 20 A 27 RECEPTACLE 28 20 A RECEPTACLE 20 A 29 RECEPTACLE 900 30 20 A RECEPTACLE RECEPTACLE 20 A 31 720 32 | 20 A RECEPTACLE 20 A 33 RECEPTACLE 34 20 A RECEPTACLE RECEPTACLE 20 A 35 540 36 | 20 A | RECEPTACLE 20 A 37 540 RECEPTACLE 38 20 A RECEPTACLE 20 A 39 RECEPTACLE 40 20 A RECEPTACLE 20 A 41 RECEPTACLE 900 720 42 20 A RECEPTACLE 20 A 43 720 RECEPTACLE 44 20 A RECEPTACLE RECEPTACLE 20 A 45 46 20 A RECEPTACLE 20 A 47 RECEPTACLE 540 48 20 A RECEPTACLE 20 A 49 720 RECEPTACLE 50 20 A RECEPTACLE 20 A 51 RECEPTACLE 52 20 A RECEPTACLE 20 A 53 RECEPTACLE 900 54 20 A RECEPTACLE RECEPTACLE 20 A 55 900 900 56 20 A RECEPTACLE 20 A 57 RECEPTACLE 58 20 A RECEPTACLE 20 A 59 RECEPTACLE 900 900 60 20 A RECEPTACLE 20 A 61 500 MONUMENT SIGN 62 20 A RECEPTACLE 20 A 63 RECEPTACLE 64 20 A Spare 20 A 65 66 20 A Spare Spare 20 A 67 Spare 68 20 A Spare 20 A 69 70 20 A Spare Spare 20 A 71 72 20 A Spare Spare Space -- 75 Space Space Space 81 83 Space

Branch Panel: LA

4140

4220

120/208 Wye 3 PHASE 4 WIRE

NO.

100 A 1 3860

20 A 7 720

20 A 9

20 A 11

MAINS 225 A MCB

MINIMUM AIC. 10000 AMPS

225 **AMPS**

RECEPTACLE

MS-1

EF-1

EF-2

EF-3

DESCRIPTION Note

BUS

4 | 15 A

8 20 A

10 20 A

12 20 A

696

MOUNTING: Surface

DESCRIPTION

PANEL LB

RECEPTACLE

RH-1,2

ROOF RECEPT

CONNECTED LOAD: 51,248 VA
PHASE A: 15,79

PHASE C:

1. PROVIDE CIRCUIT BREAKER WITH GFCI OPTION.

16,576 VA

18,876 VA

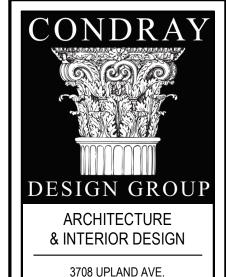
AMPS

AMPS

139 A

158 A

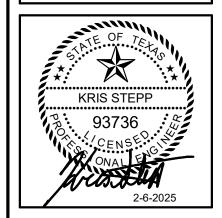
| | MOUNTING: | | | PHASE | | <u>inel:</u> | <u>LB</u> | | | MINIM | MAINS BUS JM AIC. | 100 A MLO 100 AMPS 10000 AMPS | |
|------|--|------|--|-------|----------------------|--------------|-------------------|-----|------|------------|-------------------------|-------------------------------------|---|
| Note | DESCRIPTION | BKR | CKT NO. | Α | В | С | A | В | С | CKT NO. | BKR | DESCRIPTION | Ī |
| | RECEPTACLE | 20 A | 1 | 180 | | | 180 | | | 2 | 20 A | RECEPTACLE | Γ |
| | IT RACK | 30 A | 3 | | 500 | | | 500 | | 4 | 20 A | OVERHEAD DOOR | Γ |
| | | | 5 | | | 500 | | | 500 | 6 | | | |
| | OVERHEAD DOOR | 20 A | 7 | 500 | | | 500 | | | 8 | | | Γ |
| | | | 9 | | 500 | | | 500 | | 10 | 20 A | OVERHEAD DOOR | Γ |
| | | | 11 | | | 500 | | | 500 | 12 | | | Γ |
| | OVERHEAD DOOR | 20 A | 13 | 500 | | | 500 | | | 14 | | | Γ |
| | | | 15 | | 500 | | | 100 | | 16 | 20 A | CARBON DETECTOR | |
| | | | 17 | | | 500 | | | 1000 | 18 | 20 A | POWERED SHADE | Γ |
| | POWERED SHADE | 20 A | 19 | 1000 | | | 500 | | | 20 | 20 A | LIGHTING | Γ |
| | POWERED SHADE | 20 A | 21 | | 1000 | | | 540 | | 22 | 20 A | RECEPTACLE | Γ |
| | RECEPTACLE | 20 A | 23 | | | 720 | | | 0 | 24 | 20 A | Spare | Γ |
| | Spare | 20 A | 25 | 0 | | | 0 | | | 26 | 20 A | Spare | Γ |
| | Spare | 20 A | 27 | | 0 | | | 0 | | 28 | 20 A | Spare | Γ |
| | Spare | 20 A | 29 | | | 0 | | | 0 | 30 | 20 A | Spare | Γ |
| | CONNECTED LOAD: PHASE A: PHASE B: PHASE C: | ; | VA 3,860 V <i>I</i> 4,140 V <i>I</i> 4,220 V <i>I</i> | A | AMPS AMPS AMPS | 35 | 2 A 5 A 6 A | | | | | | |



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DRIVE & PRESTON HOLLOW LANE
ORTH TEXAS 79382

DONALD PRESTON DRIVE & PR

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ROJECT NO. ATE: <u>2</u> SHEET NO.

6 | OF | 8

| | | LIGHTING CONTROL DETAILS | |
|---|-------------------|---|---|
| ROOMS WITH THESE LIGHTING CONTROL SYMBOLS | TYPICAL LOCATIONS | LIGHTING CONTROL DESCRIPTION | EXAMPLE MODEL NUMBERS |
| \$ _D \$ _O \$ | OFFICE, STORAGE | WALL MOUNTED WALL BOX CONTROL WITH VACANCY/OCCUPANCY SENSOR. "D" INDICATES DIMMING SWITCH. | SWITCH (VD): NLIGHT WSX-D-SA-WH SWITCH (V AND O): NLIGHT WSX-SA0-WH SWITCH (D): LOW VOLTAGE DIMMER |
| PP A M DS | LOBBY, WAITING | NLIGHT LIGHTING CONTROLS WITH 0-10V AND LINE VOLTAGE DIMMING. CAT5 TO ROUTE THRU EACH CONTROL DEVICE BACK TO LIGHTING CONTROLLER. POWER PACKS MOUNTED ABOVE CEILING OR AT CEILING HEIGHT (COORDINATE TYPE WITH MANUFACTURER). CONSULT MANUFACTURER FOR ADDITIONAL REQUIREMENTS. PROVIDE ALL ACCESSORIES REQUIRED FOR CONTROL OF MOTORIZED ROLLING SHADES. COORDINATE REQUIREMENTS WITH ARCHITECT AND MANUFACTURER. | POWER PACK: NLIGHT NPP16-D (0-10V DIMMING) POWER PACK: NLIGHT NS-P5-PCD-ELV (LINE VOLTAGE DIMMING) CONTROLLER: FRESCO DAYLIGHT SENSOR: NLIGHT NCM-ADCX-RJB |
| PP O A OS VS | LARGE ROOMS | OCCUPANCY/VACANCY CONTROLLED WITH CEILING MOUNTED SENSORS AND WALL MOUNT SWITCH FOR OCCUPANCY/VACANCY SENSOR OVERRIDE | OCC SENSOR: NLIGHT NCM-9-RJB POWER PACK: NLIGHT NPP16 SWITCH (\$): NLIGHT NPODM-WH |

A. REFER TO MANUFACTURER'S DETAILS FOR LIGHTING CONTROL WIRING DIAGRAMS.

COORDINATE WITH LIGHTING CONTROLS MANUFACTURER PRIOR TO ROUGH-IN OF ANY CONDUIT OR WIRING FOR LIGHTING SYSTEM TO VERIFY WIRING REQUIREMENTS WITH LIGHTING CONTROL SYSTEM PROVIDED ON PROJECT.

|) . | LIGHTING CONTROL SYSTEM TO BE FULLY COMMISSIONED AND PROGRAMMED BY FACTORY TRAINED MANUFACTURERS REPRESENTATIVE. PROVIDE COMPLETE TRAINING TO |
|------------|---|
| | OWNER. CONTRACTOR SHALL CONTACT MANUFACTURER AT LEAST 3 WEEKS PRIOR TO COMPLETION OF WORK TO SCHEDULE COMMISSIONING. |

| MARK | REFERENCE IMAGE | MANUFACTURER | | GHT FIXTU | JRE SC MOUNTING | FINISH | L E | VOLTS | WATTS | LUMENS | TEMP(°K) | DIMMING | NOTES |
|--------------|---|---------------|---|--|--------------------|-------------------|------------|-------|---------|----------------|-----------|---------|--|
| A | | ACUITY | ENVX-2X4- HRG-4800LM-80CRI-40K -MIN10-MVOLT | CURVED LENS RECESSED 2'X4' PANEL | RECESSED | WHITE | LED | 277 | 40 | 4800 | 4000 | 0-10V | |
| AE | | ACUITY | ENVX-2X4- HRG-4800LM-80CRI-40K -MIN10-MVOLT- E10WLCP | SAME AS TYPE "A" EXCEPT WITH EMERGENCY BATTERY | RECESSED | WHITE | LED | 277 | 40 | 4800 | 4000 | 0-10V | |
| В | | ACUITY | ENVX-2X2- HRG-4000LM-80CRI-40K -MIN10-MVOLT | CURVED LENS RECESSED 2'X2' PANEL | RECESSED | WHITE | LED | 277 | 36 | 4000 | 4000 | 0-10V | |
| BE | | ACUITY | ENVX-2X2- HRG-4000LM-80CRI-40K -MIN10-MVOLT- E10WLCP | SAME AS TYPE "B" EXCEPT WITH EMERGENCY BATTERY | SURFACE | WHITE | LED | 277 | 36 | 4000 | 4000 | 0-10V | |
| С | | ACUITY | 2BLT4-48L-GZ10-LP840- EL7W | 2'X4' TROFFER WITH CENTER BASKET | RECESSED | WHITE | LED | 277 | 38 | 4800 | 4000 | 0-10V | |
| CE | | ACUITY | 2BLT4-48L-GZ10-LP840- EL14L | SAME AS TYPE "C" EXCEPT WITH EMERGENCY BATTERY | RECESSED | WHITE | LED | 277 | 38 | 4800 | 4000 | 0-10V | |
| C2 | | ACUITY | 2BLT2-20L-ADSM-GZ10- LP840 | 2'X2' TROFFER WITH CENTER BASKET | RECESSED | WHITE | LED | 277 | 17 | 2000 | 4000 | 0-10V | |
| D | | AXIS | B2SQRLED-300-80-40- SO-S(14')-W-UNV-DP-1- DS | XX' LINEAR SLOT LIGHT FIXTURE | RECESSED | WHITE | LED | 277 | 42 | 4200 | 4000 | 0-10V | VERIFY EXACT LENGTH WITH ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING. |
| F | | USAI | B4SDP-24G1-40KS-50-S- xx-NCSM-UNV-D6E-CA2 ARMSTRONG- ULTIMA-8936S5 | 2'X2' RECESSED DOWNLIGHT | RECESSED | WHITE | LED | 277 | 24 | 2250 | 4000 | 0-10V | |
| FE | | USAI | B4SDP-24G1-40KS-50-S- xx-NCSM-UNV-D6E-CA2- EM ARMSTRONG- ULTIMA-8936S6 | SAME AS TYPE "F" EXCEPT WITH EMERGENCY BATTERY | RECESSED | WHITE | LED | 277 | 24 | 2250 | 4000 | 0-10V | |
| G | | OCL | GS1-P1FE-30-CR-SWP- LED1/40K-UNV-48-DM1 | ROD STYLE PENDANT FIXTURE | PENDANT | WHITE | LED | 277 | 11 | 849 | 40 | 0-10V | |
| н | | AXIS | SCD-300-80CRI-40K-FL- S(10')-BLK-UNV-DP-1 | SCULPT PENDANT. COORDINATE MOUNTING HARDWARE WITH CEILING. | PENDANT | BLACK | LED | 277 | 40 | 3000 | 4000 | 0-10V | VERIFY EXACT LENGTH WITH ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING. |
| HE | | AXIS | SCD-300-80CRI-40K-FL- S(8')-BLK-UNV-DP-1-+E1 | | PENDANT | BLACK | LED | 277 | 32 | 2400 | 4000 | 0-10V | VERIFY EXACT LENGTH WITH ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING. |
| H2 | | AXIS | SCD-300-80CRI-40K-FL- S(14')-BLK-UNV-DP-1 | SCULPT PENDANT . COORDINATE MOUNTING HARDWARE WITH CEILING. | PENDANT | BLACK | LED | 277 | 56 | 4200 | 4000 | 0-10V | VERIFY EXACT LENGTH WITH ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING. |
| J | | AXIS | SCS-300-80CRI-40K-FL- S(xx)-W-UNV-DP-1 | SCULPT FIXTURE SURFACE MOUNTED ON WALL. COORDINATE LENGTH AND MOUNTING WITH ARCHITECT. | SURFACE | WHITE | LED | 277 | 4W/FT | 300LM/FT | 4000 | 0-10V | VERIFY EXACT LENGTH WITH ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING. |
| K, K2, K3 | | FINELITE | HP4-WL-R-D-XX-S-840- F-96-277-SCFC-10-VF- SW | CONTINOUS LED LINEAR FIXTURE | RECESSED | WHITE | LED | 277 | 4W/FT | 300LM/FT | 4000 | 0-10V | VERIFY EXACT LENGTH WITH ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING. |
| K2E, K3E | | FINELITE | HP4-WL-R-D-XX-S-840- F-96-277-SCFC-10-VF- SW | CONTINOUS LED LINEAR FIXTURE WITH ONE INTEGRAL BATTERY PACK | RECESSED | WHITE | LED | 277 | 4W/FT | 300LM/FT | 4000 | 0-10V | VERIFY EXACT LENGTH WITH ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING. |
| L | | LUMINAIRE LED | CLF7 4FT AL NODIM 50W 40K MVOLT CLP GRY | INDUSTRIAL VANDAL RESISTANT WIDE WRAPAROUND FIXTURE | PENDANT | WHITE | LED | 277 | 50 | 5800 | 4000 | 0-10V | |
| LE | | LUMINAIRE LED | CLF7 4FT AL NODIM 50W 40K MVOLT CLP GRY EM | INDUSTRIAL VANDAL RESISTANT WIDE WRAPAROUND FIXTURE WITH EMER BATTERY | PENDANT | WHITE | LED | 277 | 50 | 5800 | 4000 | 0-10V | |
| М | | AXIS | WWR SL 375 80CRI 40K 6 W UNV DP 1 TB | LINEAR WALL WASH FIXTURE | RECESSED | WHITE | LED | 277 | 27 | 2250 | 4000 | 0-10V | |
| S | | LITHONIA | CLX-L48-3000LM-SEF- FDL-MVOLT-40K-80CRI | LINEAR STRIP LIGHT | SURFACE | WHITE | LED | 277 | 25 | 3000 | 4000 | 0-10V | |
| SE | *************************************** | LITHONIA | CLX-L48-3000LM-SEF- FDL-MVOLT-40K-80CRI- E10W | LINEAR STRIP LIGHT WITH EMERGENCY BATTERY | SURFACE | WHITE | LED | 277 | 25 | 3000 | 4000 | 0-10V | |
| U | | JUNO | UCES-36IN- SWW6-90CRI-WH-M6 | 3' LED UNDERCABINET LIGHT WITH ROCKER SWITCH | SURFACE | WHITE | LED | 277 | 17 | 1200 | 2700-3500 | N/A | |
| V | | BLACK JACK | VEC-24-SN-27U-40K | VANITY LIGHT FIXTURE | WALL | BRUSHED NICKEL | LED | 277 | 14 | 1000 | 4000 | N/A | |
| W | | LITHONIA | WST-LED-P2-40K-VW- MVOLT-DDBXD | TRAPEZOIDIAL WALL PACK | WALL | DARK BRONZE | LED | 277 | 25 | 3000 | 4000 | N/A | |
| WE | | LITHONIA | WST-LED-P2-40K-VW- MVOLT-DDBXD-EL7W | SAME AS TYPE "W" EXCEPT WITH EMERGENCY BATTERY | WALL | DARK BRONZE | LED | 277 | 25 | 3000 | 4000 | N/A | |
| х | EXIT | LITHONIA | EDGR-1-R-EL-SD | SINGLE FACED EXIT SIGN WITH EMERGENCY BATTERY | RECESSED | ALUMINUM | LED | 277 | 2 | LED | N/A | N/A | |
| AA | | LITHONIA | RSX2-LED-P3-40K-R3- MVOLT-SPA-HS-DDBXD POLE: SSA-25'-6G- DM29AS-VD-FBX- DDBXD | DOUBLE HEAD POLE MOUNTED LIGHT FIXTURE ON 25' POLE | POLE | DARK BRONZE | LED | 277 | (2)-147 | (2) - 22000 | 4000 | N/A | PROVIDE STEEL POLE WITH A MINIMUM 100MPH EPA RATING AND VIBRATION DAMPER. |

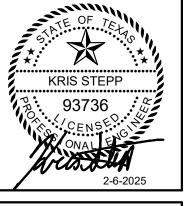
C. FOR ALL SUSPENDED FIXTURES PROVIDE ADEQUATE SUSPENSION METHOD (CABLE, STEM, ETC.) AS REQUIRED TO ACCOMMODATE LENGTH UP TO STRUCTURE. REFER TO ARCHITECTURAL

A. COORDINATE/CONFIRM ALL FIIXTURE FINISHES WITH ARCHITECT DURING SUBMITTAL STAGE. B. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LIGHT FIXTURE LOCATIONS.





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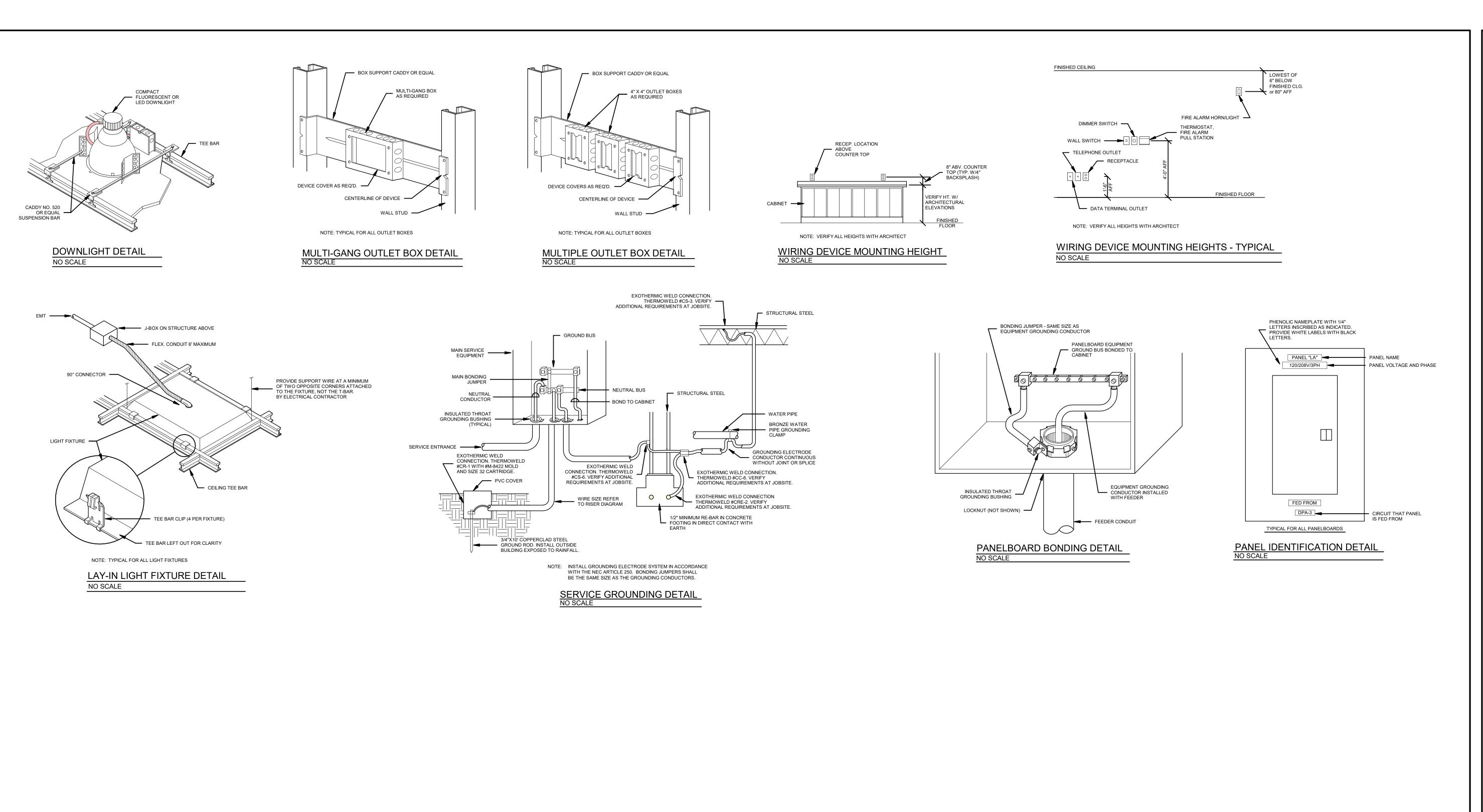


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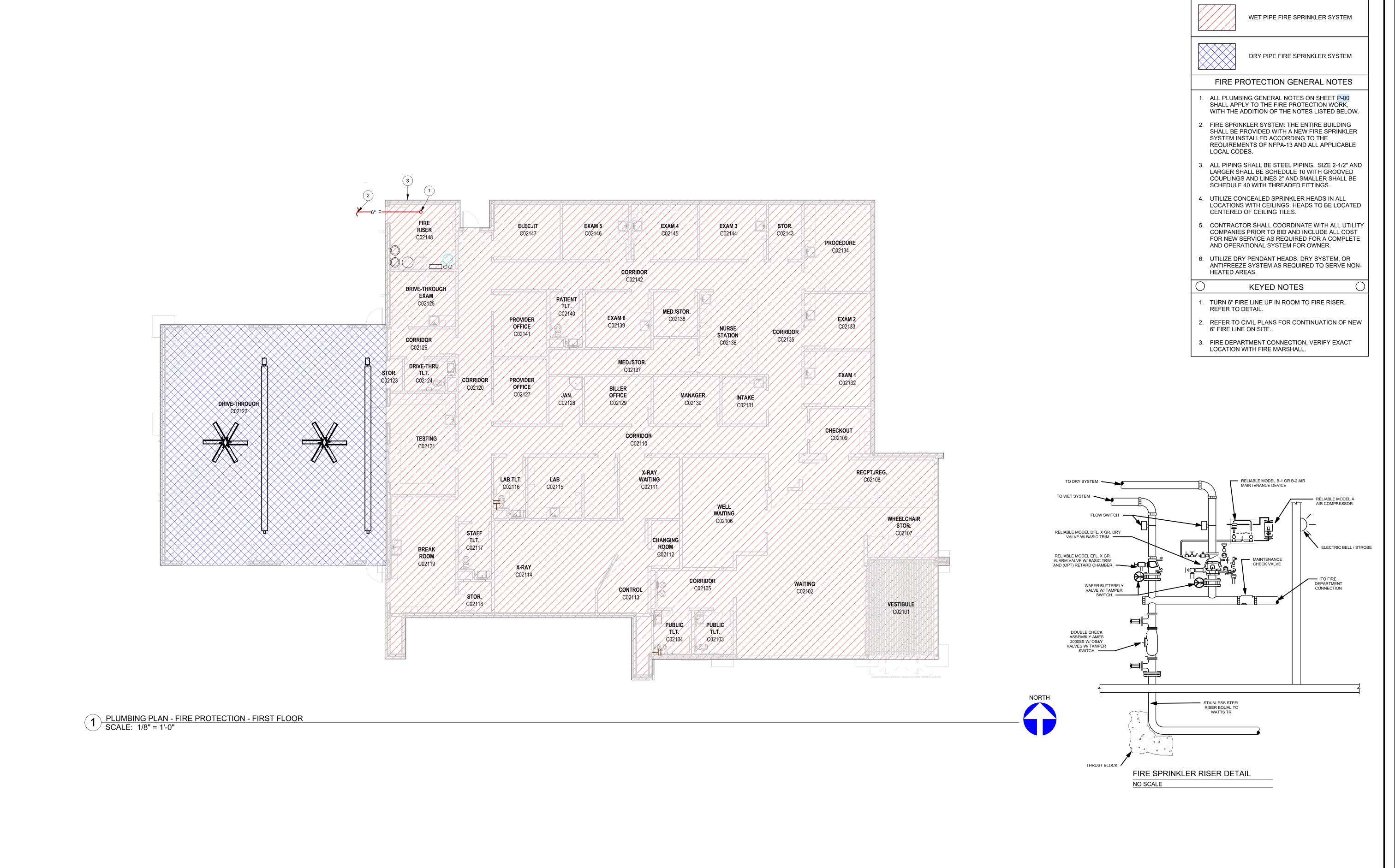


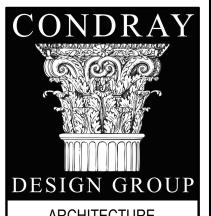
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SPRINKLER PROTECTION LEGEND

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LUBBOCK, TX 79407 806.748.6190

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JUSTIN FINCHER

98476

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OJD Engineering, LP
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328 E. Hwy 62, Unit 1
LUBBOCK, TX 79382
PH: 806-791-2300

NEW WOLFFORTH CLINIC

LD PRESTON DRIVE & PRESTON HOLLOW LAP

WOLFFORTH, TEXAS 79382

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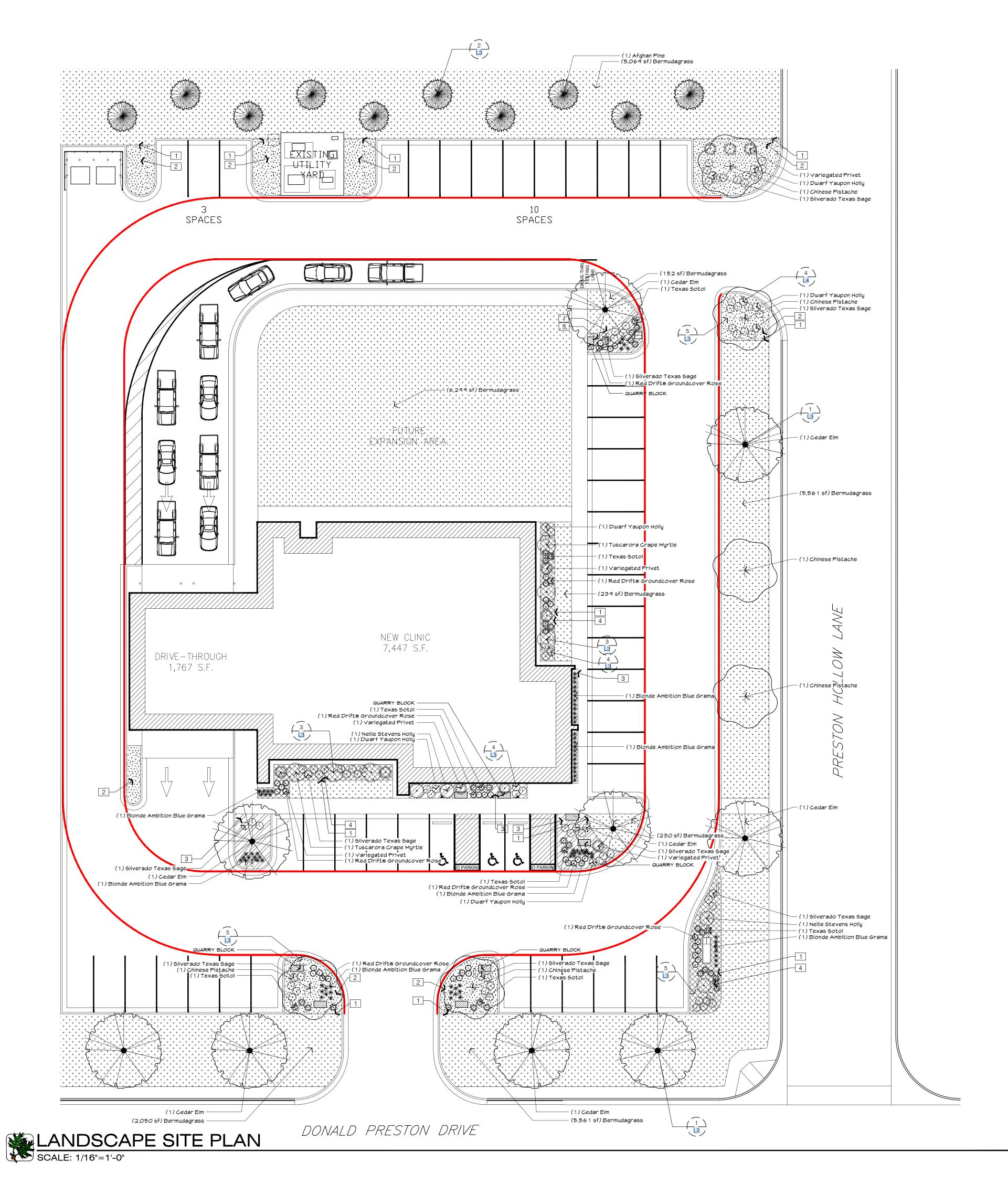
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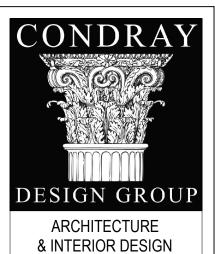


PLANT SCHEDULE SITE

| SYMBOL | QTY | COMMON / BOTANICAL NAME | CONT | CAL | SIZE | |
|--|---------------------|---|---------------|-------|----------|---------|
| CONIFERS | 10 | AFGHAN PINE / PINUS ELDARICA | 15 GAL | | 6-8` HT | |
| DECIDUOL | JS TREES | | | | | |
| | 9 | CEDAR ELM / ULMUS CRASSIFOLIA | В≉В | 5"CAL | 12-15` H | |
| + | 6 | CHINESE PISTACHE / PISTACIA CHINENSIS | B \$ B | 4"CAL | 8-10` HT | |
| SYMBOL | QTY | COMMON / BOTANICAL NAME | CONT | | | |
| SHRUBS | | | | | | |
| | 83 | BLONDE AMBITION BLUE GRAMA / BOUTELOUA GRACILIS 'BLONDE AMBITION' | I GAL | | | |
| • | 30 | DWARF YAUPON HOLLY / ILEX VOMITORIA `NANA` | 3 GAL | | | |
|)(• } | 4 | NELLIE STEVENS HOLLY / ILEX X `NELLIE R STEVENS` | 15 GAL | | | |
| annovana o o o o o o o o o o o o o o o o o o | 43 | RED DRIFT® GROUNDCOVER ROSE / ROSA X 'MEIGALPIO' | 5 GAL | | | |
| • | 52 | SILVERADO TEXAS SAGE / LEUCOPHYLLUM FRUTESCENS 'SILVERADO' | 5 GAL | | | |
| W. | 34 | TEXAS SOTOL / DASYLIRION TEXANUM | 5 GAL | | | |
| | 6 | TUSCARORA CRAPE MYRTLE / LAGERSTROEMIA INDICA X FAURIEI `TUSCARORA` | 15 GAL | | | |
| | 10 | VARIEGATED PRIVET / LIGUSTRUM SINENSE `VARIEGATUM` | 5 GAL | | | |
| SYMBOL | QTY | COMMON / BOTANICAL NAME | CONT | | | SPACING |
| GROUND | COVERS 19,571 SF | BERMUDAGRASS / CYNODON DACTYLON 'TIFTUF' | SOD | | | |

REFERENCE NOTES SCHEDULE SITE

| SYMBOL CO | <u>DE</u> | DESCRIPTION | QTY |
|-----------|-----------|---|----------|
| | 1 | 3/16X4" METAL EDGING | 280 LF |
| | 2 | 1/2" CRUSHED LIMESTONE WITH WEED BARRIER | 1,744 SF |
| | 3 | 1/4" MINUS DECOMPOSED GRANITE WITH WEED BARRIER | 781 SF |
| | 4 | 2-4" RIVER ROCK WITH WEED BARRIER | 774 SF |
| | 5 | 2X2X4' LUEDERS QUARRY BLOCK | 9 |



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VERSITY MEDICAL CENTER PHYSICIANS NEW WOLFFORTH CLINIC

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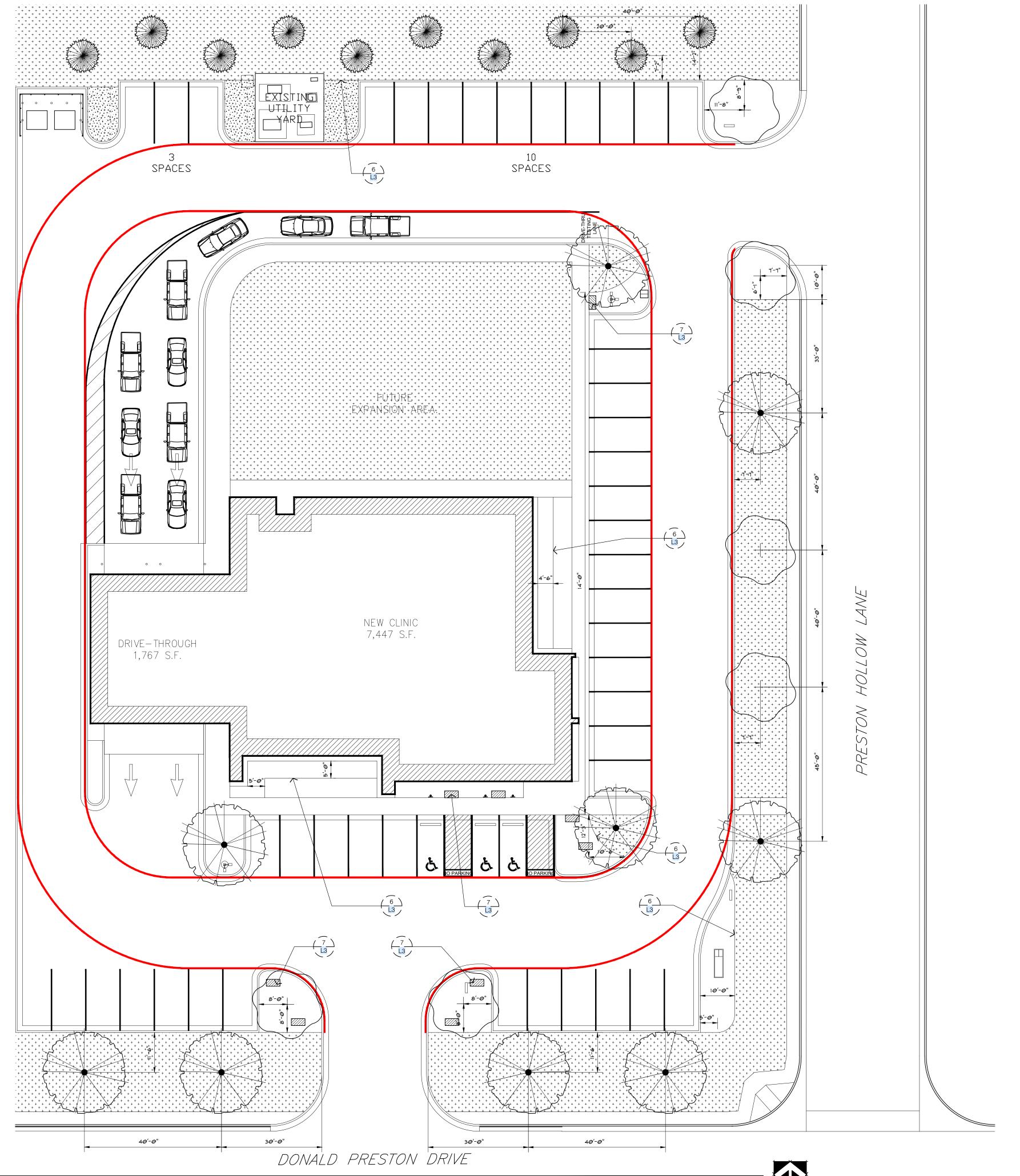
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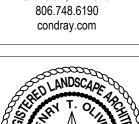
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22415





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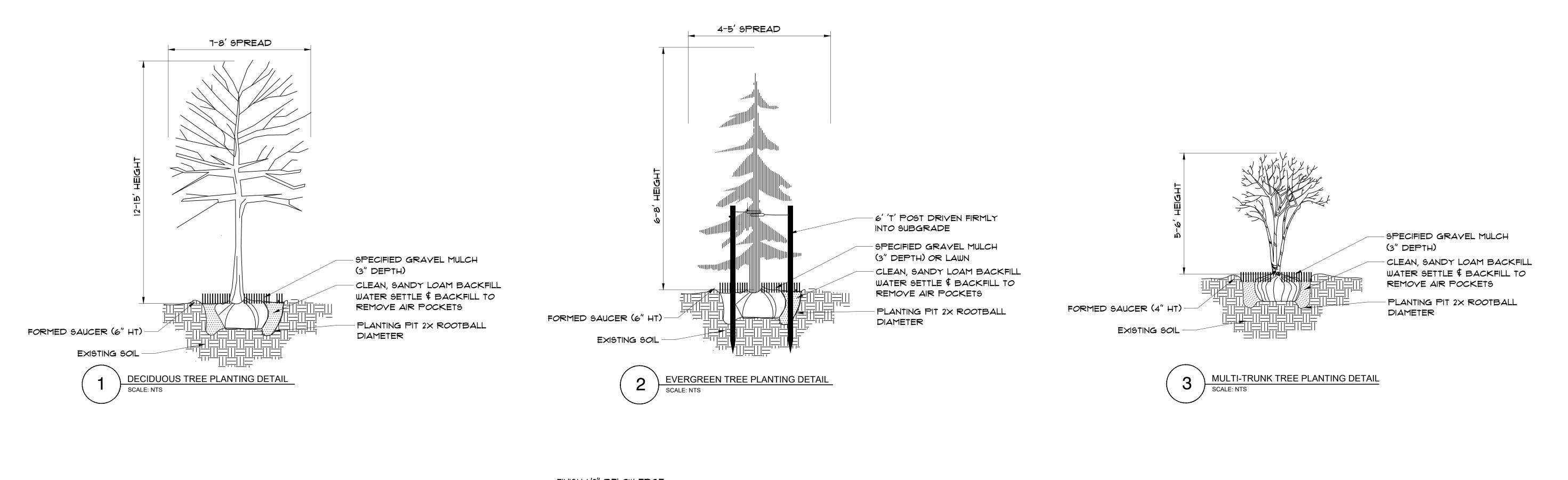


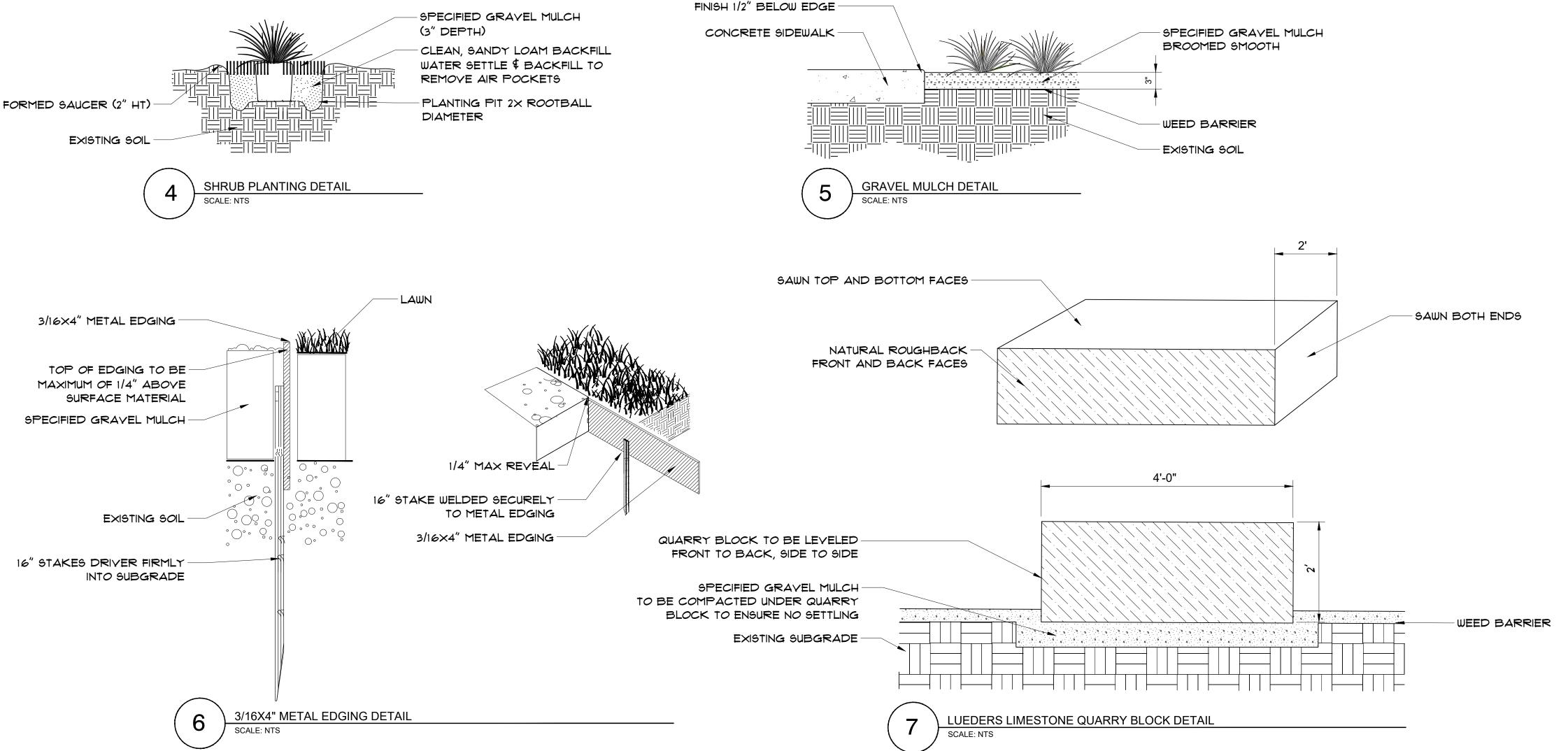
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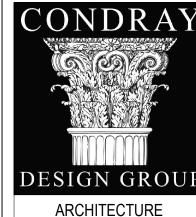
GENERAL LANDSCAPE NOTES

- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING PLAN SHOWN ON ALL DRAWINGS.
- PLANT COUNTS AND SQUARE FOOTAGES ARE PROVIDED AS A COURTESY ONLY. 2. ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE
- 3. IN THE CASE OF A DISCREPANCY BETWEEN THE CONTAINER SIZE CALLED OUT IN PLANT LIST AND THE CALIPER AND HEIGHT OF PLANT MATERIAL, THE SPECIFIED TREE MUST MEET THE CALIPER AND HEIGHT REQUIREMENTS SPECIFIED, EVEN IF THE LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE
- SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
- 4. ALL PLANTS TO BE GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL
- BE ACCEPTED IF IT IS ROOT BOUND. 5. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE PLANT BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL
- LOCATIONS. 6. LANDSCAPE CONTRACTOR SHALL LOCATE THE SOURCE OF AND SELECT ALL
- PLANTS FOR APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
- 7. ALL PLANT MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY AT THE NURSERIES OR SUPPLIERS BY THE PROJECT LANDSCAPE ARCHITECT.

EXPENSES INCURRED BY THE OWNER OR OWNERS AGENT.

- 8. ALL TREES SHALL BE SELECTED BY OWNER OR OWNERS AGENT. IF ANY SOURCE OF PLANTS IS LOCATED FURTHER THAN 30 MILES FROM THE PROJECT SITE THE CONTRACTOR WILL BE REQUIRED TO PAY TIME AND TRAVEL
- 9. ALL PLANTS TAGGED AS APPROVED AT NURSERY OR SUPPLIER SHALL BEAR
- THE SAME TAG WHEN DELIVERED ON SITE.
- 10. THE RIGHT TO REJECT PLANT MATERIALS DELIVERED TO THE SITE THAT DO NOT BEAR APPROVAL TAGS IS RESERVED BY THE PROJECT LANDSCAPE ARCHITECT. NO LOOSE, BROKEN, OR SOFT ROOTBALLS WILL BE ACCEPTED.
- 11. IN AREAS WHERE PAVING SUBGRADES AND BUILDING PADS EXTEND INTO PLANT BED AREAS, 6 INCH HOLES SHALL BE DRILLED EVERY 3 FEET AND FILLED WITH 1 INCH DIAMETER GRAVEL TO PROVIDE PERCOLATION AND DRAINAGE FOR THE PLANTING BED. HOLES SHALL BE DRILLED THROUGH IMPROVED
- SUBGRADES INTO EXISTING SITE SOILS BUT NO DEEPER THAN FOUR FEET. 12. ALL FINAL PLANTING BED GRADES IN AREAS WHERE ORGANIC AND/OR INORGANIC MULCH IS BEING APPLIED SHOULD BE 3 INCHES BELOW ADJACENT HARD SURFACES PRIOR TO MULCHING.
- 13. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING IS COMPLETE AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT. 14. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE
- PLANT'S ORIGINAL GRADE BEFORE DIGGING OR AS ESTABLISHED IN CONTAINER. 15. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS.
- 16. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR MORE OFTEN AS NEEDED DURING THE FIRST GROWING SEASON. 17. ALL PLANTING BEDS TO RECEIVE INORGANIC MULCH MATERIALS AS NOTED ON
- 18. THE DAY PRIOR TO PLANTING, THE LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED FOR APPROVAL BY THE LANDSCAPE ARCHITECT.
- 19. THE CONTRACTOR SHALL PRUNE ALL BRANCHES 6 FEET ABOVE FINISH GRADE ON ALL DECIDUOUS TREES 12 FEET OR TALLER. 20. AREAS TO BE FILLED WITH INORGANIC MULCHES WITH A DIAMETER LESS THAN
- 1/4 INCH IN SIZE SHALL BE COMPACTED TO 85% PROCTOR DENSITY BEFORE MULCH IS PLACED. 21. ALL PLANTING BEDS AFTER MULCHING SHALL BE LEVEL WITH ADJACENT WALKS
- AND CURBING. 22. ALL PLANTING BEDS SHALL RECEIVE PERMEABLE WEED BARRIER PRIOR TO MULCH. WEED BARRIER SHALL BE SUFFICIENTLY STAPLED TO THE GROUND TO
- AVOID FUTURE EXPOSURE. 23. ALL PLANTING BEDS SHALL RECEIVE GRAVEL MULCH (AS INDICATED ON PLAN) AT A FULL DEPTH OF 3" AFTER HAND TAMPING. MATERIAL SHALL BE RAKED OR BROOMED SMOOTH AND LEVEL. MATERIAL SAMPLES SHALL BE SUBMITTED TO

LANDSCAPE ARCHITECT FOR APPROVAL.



& INTERIOR DESIGN

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2/6/2025





Lubbock, Texas 79401 T: 806-589-3340 TBPE Firm Registration No: F- 14148



PH: 806-791-2300



MEDICAL CENTER F / WOLFFORTH CLIN

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22415

3 OF 7

LANDSCAPE DETAILS AND NOTES

PART 1 - GENERAL

1.1 REFERENCED DOCUMENTS

Refer to bidding requirements, special provisions, and schedules for additional requirements.

1.2 DESCRIPTION OF WORK

Work Included: Furnish all supervision, labor, materials, equipment and appliances required to complete the work covered in conjunction with the landscaping covered in these specifications and landscaping plans including:

- 1. Planting (trees, shrubs, and groundcover)
- 2. Planting and Establishment of sodded lawn.
- 3. Bed preparation and fertilization
- 4. Notification of sources
- 5. Water, fertilization, weed control and maintenance until final acceptance
- Guarantee

1.3 REFERENCE STANDARDS

- A. American Standard for Nursery Stock published by American Association of Nurseryman: 27 October 1980, Edition: by American National Standards Institute, Inc. (Z69.1) - plant
- B. American joint Committee on Horticultural Nomenclature: 1942 Edition of Standardized Plant
- C. Texas Association of Nurserymen, Grades and Standards
- D. Hortis Third, 1976 Cornell University

1.4 NOTIFICATION OF SOURCES AND SUBMITTALS

- A. A. The Contractor shall, within ten (10) days following acceptance of bid, notify the Landscape Architect/Owner of the sources of plant materials and bed preparation required for the project.
- B. Samples: Provide representative quantities of sandy loam soil, mulch, bed mix material, gravel, and crushed stone. Samples shall be approved by Architect before use on project.
- C. Product Data: Submit complete product data and specifications on all other specified materials.
- D. Submit representative samples or photographs of each variety of ornamental trees, shrubs, and groundcover plants for Landscape Architect's approval. When approved, tag, install, and maintain as representative samples for final installed plant materials.
- E. File Certificates of Inspection of plant material by state, county, and federal authorities with Architect, if required.
- F. Soil Analysis: Provide sandy loam soil analysis if requested by the Landscape Architect.
- B. Quantities: The drawings and specifications are complimentary. Anything called for on one and not the other is as binding as if shown and called for on both. The plant schedule is an aid to bidders only. Confirm all quantities on plan.
- C. Quality and size: Plant materials shall conform to the size given on the plan, and shall be healthy, symmetrical, well-shaped, full branched, and well rooted. The plants shall be free from injurious insects, diseases, injuries to the bark or roots, broken branches, objectionable disfigurements, insect eggs and larvae and are to be of specimen quality.
- D. Approval: All plant materials shall be subject to the approval of the owner. All plants which are found unsuitable in growth, or in any unhealthy, badly shaped, or undersized condition, will be rejected by the Landscape Architect, either before or after planting, and shall be removed at the expense of the Landscape Contractor and replaced with acceptable plants as specified.
- E. Trees shall be healthy, full-branched, well-shaped and shall meet the trunk diameter and height requirements of the plant schedule. Ball shall be firm, neat, slightly tapered, and well wrapped in burlap. Any tree loose in the ball or with broken ball at time of planting will be rejected. Balls shall be ten (10") inches in diameter for each one (1") inch of trunk diameter, measured six (6") inches above ball.
- F. Pruning: All pruning of trees and shrubs, as directed by the Landscape Architect, shall be executed by the Landscape Contractor at no additional const to the Owner.

2.2 SOIL PREPARATION MATERIALS

A. Sandy Loam

- 1. Friable, fertile, dark, loamy soil, free of clay lumps, subsoil, stones and other extraneous material and reasonably free of weeds and foreign grasses. Loam containing Nutgrass shall be rejected.
- 2. Physical properties as follows:
- i.Clay between 7-27 percent
- ii. Silt between 15-25 percent
- iii. Sand less than 52 percent

3. Organic matter shall be 3-10 percent of total dry weight

- 4. If requested, provide a certified soil analysis conducted by an approved soil testing laboratory verifying that sandy loam meets the above requirements.
- B. Organic Soil Amendment: Compost with a mixture of 80 percent vegetative matter and 20 percent animal waste. Amendment as supplied by Back to Nature, Slaton, Texas; or approved equal.

C.Inorganic Mulch:

- 1. 1/2" Crushed Limestone as supplied local source. Samples submitted to Landscape Architect for approval.
- 2. 2-4" River Rock as supplied local source. Samples submitted to Landscape Architect for approval.
- 3. 1/4" Minus Decomposed Granite as supplied local source. Samples submitted to Landscape Architect for approval.

1.5 QUALIFICATIONS OF LANDSCAPE CONTRACTOR

- A. Bidder to have a minimum of five (5) years' experience on projects of similar
- Characteristics, scope and size. B. Bidder to furnish, at Owner's request, references of work for determination of ability
- C. Bidder is to inspect site to become familiar with site conditions prior to bid.

1.6 MAINTENANCE AND GUARANTEE

A. Maintenance

- 1. The Landscape Contractor will be responsible for the maintenance of all work from the time of planting and thirty (30) days after final acceptance by the Owner. No trees, shrubs, groundcover or grass will be accepted unless they show a health growth and
- 2. Maintenance shall include watering of trees and plants, cultivation, weeding, spraying, edging, pruning of trees, mowing of grass, cleaning up and all other work
- 3. The Landscape Contractor shall provide fertilizing and weed treatments to sodded lawns throughout establishment and final acceptance. Sodded lawn will be considered established at the point that it has achieved 100% coverage with no bare
- 4. A written notice requesting final inspection and acceptance should be submitted to the Owner at least seven (7) days prior to completion. An on-site inspection by Landscape Architect and Landscape Contractor will be completed prior to written
- do any of the above listed work.

B. Guarantee

2.3 MISCELLANEOUS MATERIALS

C.Rock:

PART 3 - EXECUTION

3.2 INSTALLATION

B. Staking Material for Evergreen Trees:

staples to ensure no movement

3.1 BED PREPARATION & FERTILIZATION

B. All planting areas to be conditioned as follows:

thoroughly and backfilled.

to a depth of four (4") inches of the topsoil.

property of the Contractor until final acceptance.

C. Position the trees and shrubs in their intended location as per plan.

1. Studded T-Post, 133GA, 7' length, painted green

Landscape Architect for approval.

Landscape Architect for approval.

Landscape Architect for approval.

3. Straps: DeWitt 18" tree straps with brass grommets

2. Tree Twine: DeWitt Tree Rope polypropylene braided twine

- 1. Trees shall be guaranteed for a twelve (12) month period after final acceptance. Shrubs and groundcover shall be guaranteed for twelve (12) months. After final acceptance, the Contractor shall replace all dead materials as soon as weather permits and upon notification of the Owner. Plants, including trees, which have partially died so that shape, size, or symmetry has been damaged, shall be considered subject to replacement. In such cases, the opinion of the Owner shall be
 - a. Plants used for replacement shall be of the same size and kind as those originally planted and shall be planted a originally specified. All work, including materials, labor and equipment used in replacements, shall carry a twelve (12) month quarantee. Any damage, including ruts in lawn or bed areas, incurred as a result of making replacements shall be immediately repaired.
 - b. At the direction of the Owner, plants may be replaced at the start of the next year's planting season. In such cases, dead plants shall be removed from the premises immediately.

A. Steel Edging: Shall be 3/16 X 4" steel edging with 3/4 X 3/4 X 1/8" X14" length angle iron

1. 1/4" Minus Decomposed Granite as supplied by local source. Samples submitted to

4. Lueders Limestone Bench Block. Block to be saw cut top, bottom and sides. Natural

2. 2-4" Texas River Rock as supplied by local source. Samples submitted to

roughback front and back faces. Size to be 2'X2'X4' in length.

D. Weed Barrier: DeWitt woven polypropylene weed barrier fastened to ground with steel

A. Landscape Contractor to inspect all existing conditions and report any deficiencies to the

1. Prepare new planting beds by scraping away existing grass and weeds as necessary. Till

fertilizer as per manufacturers recommendations. Add two (2") inches of compost and till

existing soil to a depth of six (6") inches prior to placing compost and fertilizer. Apply

2. All planting areas to receive a depth of two (2") inches specified organic compost soil

needed) free from large clumps, rocks, debris, caliche, subsoils, etc., watered in

A. Maintenance of plant materials shall begin immediately after each plant is delivered to the site

B. Plant materials shall be delivered to the site only after the beds are prepared and area ready

for planting. All shipments of nursery materials shall be thoroughly protected from the drying

be well protected against the possibility of drying by wind and sun. Balls of earth and B&B

plants shall be kept covered with soil or other acceptable material. All plants remain the

D. Notify the Landscape Architect for inspection and approval of all positioning of plant material.

winds during transit. All plants which cannot be planted at once, after delivery to the site, shall

and shall continue until all construction has been satisfactorily accomplished.

3. Backfill for tree pits shall be as follows: Use existing top soil on site (use imported soil as

3. 1/2" Crushed Limestone as supplied by local source. Samples submitted to

- c. When plant replacements are made, plants, soil mix, fertilizer and mulch are to be utilized as originally specified and reinspected for full compliance with Contract requirements. All replacements are to be included under "Work" of this section.
- 1. The Owner agrees that for the guarantee to be effective, he will water plants at least twice a week during dry periods and cultivate beds once a month after final acceptance.
- 2. The above guarantee shall not apply where plants die after acceptance because of injury from storms, hail, freeze, insects, diseases, injury by humans, machines or
- 3. Acceptance for all landscape work shall be given after final inspection by the Owner provided the job is in a completed, undamaged condition, and there is a stand of grass in all lawn areas (see Section 1.4, A-3). At this time, the Owner will assume maintenance of the accepted work.
- C.Repairs: Any necessary repairs under the Guarantee must be made within ten (10) days after receiving notice, weather permitting, and in the event the Landscape Contractor does not make repairs accordingly, the Owner, without further notice to Contractor, may provide materials and men to make such repairs at the expense of the Landscape Contractor.

1.7 QUALITY ASSURANCE

A. Selection of Plant Material:

- 1. Make contact with suppliers immediately upon obtaining notice of contract acceptance to select and book materials. Develop a program of maintenance (pruning and fertilization) which will ensure the purchased materials will meet and/or
- 2. Landscape Architect will provide a key identifying ach tree location on site. Written verification will be required to document material selection., source and delivery schedules to site.
- 3. Owner and/or Architect shall inspect all plant materials when reasonable at place of growth for compliance with requirements for genus, species, cultivar/variety, size and
- 4. Owner and/or Architect retains the right to further inspect all plant material upon arrival at the site and during installation for size and condition of root balls, limbs, branching habit, insects, injuries, and latent defects.
- during the process or work. Remove rejected materials from the site immediately. Plants damaged in transit or at job site shall be rejected.

as it did to the soil surface in the original place of growth.

should be thoroughly moist before removing containers.

thickness of three (3') inches over the entire bed.

secure the tree against seasonal prevailing winds.

standards provided by National Arborist Association.

2. Pruning shall be done with clean, sharp tools.

2. All steel edging shall be free of kinks and abrupt bends.

3. Top of edging shall be a maximum of ¾" above grade.

6. Ensure steel edging is flush where edging and sidewalk meet.

Owners approval prior to installation.

5. Do not install steel edging along sidewalks.

N. Steel Edging Installation:

plastic string and wire mesh.

Do not over prune.

1.8 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Preparation:

- 1. Balled and Burlapped (B&B) Plants: Dig and prepare shipments in a manner that will not damage roots, branches, shape, and future development.
- 2. Container Grown Plants: Deliver plants in rigid container to hold ball shape and protect root mass.

B. Delivery

- 1. Deliver packaged materials in sealed containers showing weight, analysis and name of manufacturer. Protect materials from deterioration during delivery and while stored at site.
- 2. Deliver only plant materials that can be planted in one day unless adequate storage and watering facilities are available on job site.
- 3. Protect root balls by heeling in with sawdust or other approved moisture retaining material if not planted within 24 hours of delivery.
- 4. Protect plants during delivery to prevent damage to root balls or desiccation of leaves. Keep plants moist at all times. Cover all materials during transport.
- 5. Notify Architect of delivery schedule 72 hours in advance so plant material may be observed upon arrival at job site.
- 6. Remove rejected plant material immediately from site.
- 7. To avoid damage or stress, do not lift, move, adjust to plumb, or otherwise manipulate plants by trunk or stem.

PART 2 - PRODUCTS

2.1 PLANTS

A. General: Well-formed No. 1 grade or better nursery grown stock. Listed plant heights are from tops of root balls to nominal tops of plants. Plant spread refers to nominal outer width of the plant, not to the outer leaf tips. Plants will be individually approved by the Architect and his decision as to their acceptability shall be final.

- 1. Minimum age of 18 months, with root development that will support its own weight vilhout teaning when suspended vertically by holding the upper two corners
- 3. Deliver sod on pallets. Protect exposed roots from hydration. Do not deliver more

2. Submit sod certification for grass species and location of sod source to Landscape

- sod than can be laid in 24 hours.
- 5. Sod is to be ASPA Field grown grade, cultivated grass sod of Tall Fescue with a strong fibrous root system, free of stones or bare spots and containing no more
- 6. Loosen areas to be sodded with a tandem disc or other suitable tillage device to a depth of 2 inches. Correct any surface irregularities. Grade lawns to a smooth, even surface with a loose, uniformly fine texture. Roll and rake, remove ridges and ill depressions, as required to meet finish grade. Finish grade shall be 1 ½" below sidewalks and curbs. Final grading shall be inspected by Landscape Architect prior to sodding. Contractor shall notify Landscape Architect when grading is completed. Lay sod immediately after delivery to site to prevent deterioration. Lay sod sight with no open joints visible, and no overlapping. Stagger end joints 12 inches
- placed between dripline runs to bring the grade to the height of the top of the dripline. This shall prevent ridges in the sodded lawn.
- prevent damage to drip irrigation system under the lawn.

Storage areas for all materials shall be so organized that they, too, are neat and orderly. All trash and debris shall be removed from the site as work progresses. Keep paved areas clean by sweeping or hosing at end of each day's work.

END OF SECTION

FINCHER FINCHER ENGINEERING, LLC TX FIRM #F-16408 5621 114TH ST., SUITE 100 LUBBOCK, TX 79424 PH: 806-701-5109 WWW.FINCHERENG.COM

2/6/2025

CONDRA

DESIGN GROU

ARCHITECTURE

& INTERIOR DESIGN

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Nieman Engineering, LLC Lubbock, Texas 79401 T: 806-589-3340 TBPE Firm egistration No: F- 14148





TEXAS

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IEDICAL CENTER | WOLFFORTH CLIN

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PROJECT NO. DATE:

02/06/2025 SHEET NO.

22415

4 OF 7



of Bidder to perform work.

satisfactory foliage conditions.

- necessary of maintenance.
- 5. After final acceptance of installation, the Landscape Contractor will not be required to

- exceed project specifications.

- 5. Owner and/or Architect may reject unsatisfactory or defective material at any time

E. Excavate pits with vertical sides and a flat bottom. Tree pits shall be large enough to permit

handling and planting without injury to the root balls and shall be of such depth that, when

F. Shrub and tree pits shall be no less than two (2') feet, twenty-four (24") inches, wider than the

lateral dimension of the root ball and six (6") inches deeper than its vertical dimension.

Remove and haul from the site all rocks and stones over one (1") inch in diameter. Plants

G.Dig a wide, rough sided hole exactly the same depth as the height of the ball, especially at

the surface of the ground. The sides of the hole should be rough and jagged, never slick or

H. Backfill only with five parts existing soil or sandy loam and 1-part bed preparation. When the

hole is dug in solid rock, topsoil from the same area should not be used. Carefully settle by

J. All plant beds shall be mulched with the specified inorganic mulch at a minimum settled

K. Obstructions below ground: In the event that a rock, or underground construction work or

grade. The work of this section shall include the removal from the site of such rock or

L. Trees and large shrubs shall be staked as the site conditions require. Position stakes to

M.Pruning and Mulching: Pruning shall be directed by the Architect and shall be pruned

tipping of branches is not permitted. Do not cut terminal branches.

in accordance with standard horticultural practices following Fine Pruning, Class 1 pruning

1. Dead wood or suckers and broken or badly bruised branches shall be removed. General

1. Edging shall be aligned as indicated on plans. Stake out limits of steel edging and obtain

4. Stakes are to be installed on the planting bed side of the edging, as opposed to the

underground obstructions encountered at the cost of the Landscape Contractor.

obstructions are encountered in any plant pit excavation work to be done under this section,

alternate locations may be selected by the Owner. Where locations cannot be changed, the

obstructions shall be removed to a depth of not less than three (3') feet below grade and no

less than six (6") inches below the bottom of the ball when plant is properly set at the required

watering to prevent air pockets. Remove burlap from the top 1/3 of the ball, as well as nylon,

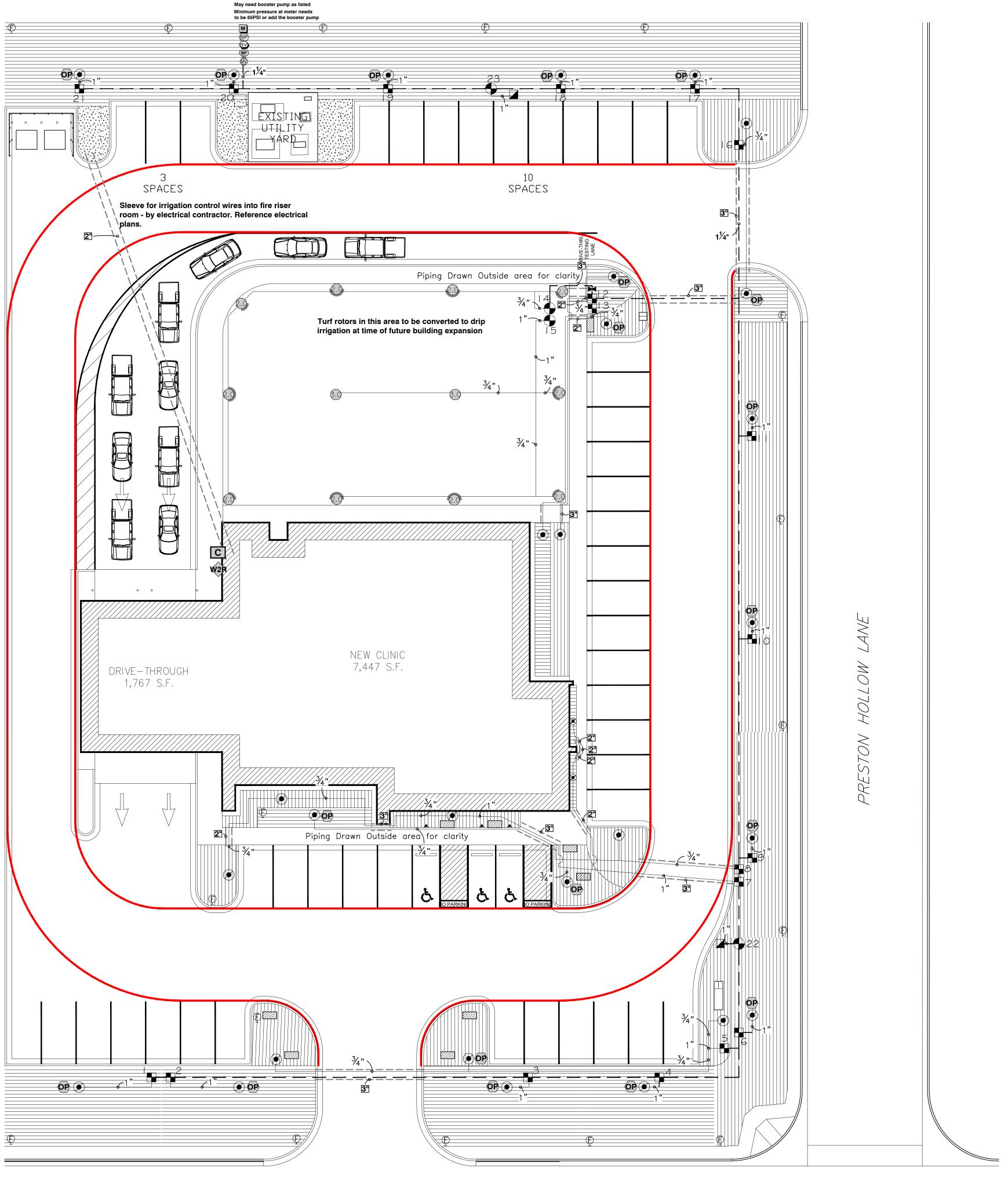
planted and settled, the crown of the plant shall bear the same relationship to the finish grade

O. Sodding of Lawn:

- 4. Maintain sodded areas immediately after placement until grass is well established and exhibits a vigorous growing condition for two cuttings.
- than 10 weeds per 1000 square feet.
- 7. All sod is to be drip irrigated. After drip irrigation is installed, fine sand is to be
- 12. After dripline is installed, there shall be no equipment used during sodding to
- 13. Place top elevation of sod ½ inch below adjoining curbs and sidewalks. 14. Water sodded areas immediately after installation. Saturate sod and soil to a
- 15. Immediately replace sod in areas which show deterioration or bare spots during the first growing season.

3.3 CLEANUP AND ACCEPTANCE

A. Cleanup: During the work, the premises shall be kept neat and orderly at all times.



| (.) | Rain Bird 5004-PC 2.0 | 10 | 25 | 1.5 | 35' |
|------------------------|---|-----------|----|--|---|
| 3.0 | Rain Bird 5004-PC 3.0 | 2 | 25 | 2.26 | 36' |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | | | |
| | Rain Bird XCZ-100-PRB-COM I" Wide Flow Drip Control Kit for Commercial Applications. I in. Ball Valve with I in. PESB Valve and I in. Pressure Regulating 40psi Quick-Check Basket Filter. 5 GPM-20 GPM. | 19 | | | |
| (9) | Pipe Transition Point above grade Pipe transition point from PVC lateral to drip tubing with riser to above grade installation. | 30 | | | |
| © | Rain Bird MDCFCAP Dripline Flush Valve cap in compression fitting coupler. | 17 | | | |
| ⊙P | Rain Bird OPERIND Drip System Operation Indicator, stem rises Gin. for clear visibility when drip system is charged to a minimum of 20psi. Includes I Gin. of 1/4in. distribution tubing with connection fitting pre-installed. | 19 | | | |
| | Area to Receive Dripline Rain Bird XFS-CV-09-12 XFS-CV Sub-Surface and On-Surface Landscape Dripline with a Heavy-Duty 4.3 psi Check Valve. 0.9 GPH emitters at 12" O.C. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. Specify XF insert fittings. | 16,147 lf | | | |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | | | |
| | Rain Bird PEB 1" I in., 1-1/2in., 2in., 3in. Plastic Industrial Remote Control Valve. Low Flow Operating Capability, Globe Configuration. | 4 | | | |
| | Rain Bird 44-LRC I" I in. Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 2-Piece Body. | 2 | | | |
| X | Shut Off Valve | 1 | | | |
| | Rain Bird PESB 1" Inn., 1-1/2in., 2in., 3in. Plastic Industrial Master Valves. Low Flow Operating Capability, Globe Configuration. With Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications. | I | | | |
| BF | Zurn 375 I" Reduced Pressure Principle Assembly. Sizes 1/2in.,3/4in., Iin., I-1/4in., I-1/2in., 2in | 1 | | | |
| С | Rain Bird ESP-2WIRE (120VAC) 50 Station 2-Wire, Indoor/ Outdoor Controller w/ decoder auto-address. For Residential or Light Commercial Use. LNK WiFi Module and Flow Sensor Ready. Use with 2W-1 single station decoders and standard direct burial wire. | I | | | |
| 2W-1 | Rain Bird 2W-I ESP-2WIRE Decoder for Two-Wire system. Install in valve box for valve. Operates one valve/solenoid. Install with standard direct burial irrigation wire and standard irrigation wire connectors. | 24 | | | |
| W2R | Rain Bird WR2-RC Wireless Rain Sensor Combo, includes 1 receiver and 1 rain sensor transmitter. | I | | | |
| | Munro CP075B Complete pump package: • 3/4hp, single-phase turf irrig pump, 2in. intake, 1-1/2in. discharge | | | | |
| ⟨BP⟩ | Pump start + pump protection - SS 220v SmartBox works w/ low-amp (<.35) controllers or 2-wire systems Pressure gauge Pressure \$\psi\$ temp sensors Intake \$\psi\$ discharge fittings Enclosure -lockable, powdercoated, SS, vented to keep pump cool, flexible design for right/left facing \$\psi\$ side/bottom discharge. For product selection assistance or additional | I | | | |
| Æγλ | info: 800-942-4270 or technicalsupport@munropump.com Ball Valve | 1 | | CRITIC | CAL ANALYS |
| M | Water Meter I" | 1 | | Genera | ated: |
| _ | — Irrigation Lateral Line: PVC Class 200 SDR 21 3/4" | 987.8 lf | | | NUMBER: Source Info |
| | — Irrigation Lateral Line: PVC Class 200 SDR 21 1" | 240.0 lf | | | AVAILABLE |
| | - Irrigation Mainline: PVC Class 200 SDR 21 1 1/4" | 746.7 If | | | Meter Sıze vaılable |
| | Pipe Sleeve: PVC Schedule 40 2" | 148.1 If | | | URE AVAIL |
| #• #• | Pipe Sleeve: PVC Schedule 40 3" Valve Callout Valve Number Valve Flow | 147.6 lf | | Elevation Service Length Booste | Pressure at on Change: e Line Size: of Service er Pump pre re Available |
| #"• | Valve Size | | | DESIGI Maxımu | N ANALYSIS um Station f vailable at F |
| 1 15.4 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | Residu | al Flow Avai |
| 2 15.0 1" 3 15.7 | 1" 1" 1" | | | Fricti Fittin Eleva Loss | gn Pressure on Loss: gs Loss: tion Loss: through Va re Req. at |

CRITICAL ANALYSIS

Generated: 2025-01-31 15:18 P.O.C. NUMBER: 01 Water Source Information:

FLOW AVAILABLE Water Meter Size: Flow Available

PRESSURE AVAILABLE Static Pressure at POC: 60 PSI Elevation Change: Service Line Size: 5.00 ft 20 ft Length of Service Line: Booster Pump pressure provided: 15 PSI
Pressure Available: 72 PSI

DESIGN ANALYSIS Maximum Station Flow: 15.95 GPM Flow Available at POC: 37.5 GPM 21.56 GPM Residual Flow Available:

20 PSI Design Pressure: Friction Loss: 0.75 PSI 0.07 PSI Fittings Loss: Elevation Loss: O PSI 19.4 PSI Loss through Valve: Pressure Req. at Critical Station: 40.2 PSI Loss for Fittings: 0.47 PSI Loss for Main Line: 4.68 PSI Loss for POC to Valve Elevation: O PSI Loss for Backflow: 14 PSI Loss for Master Valve: Loss for Water Meter:

Residual Pressure Available:

2.39 PSI 1.28 PSI Critical Station Pressure at POC: 63.0 PSI 72 PSI 8.99 PSI Pressure Available:

37.5 GPM

SHEET NO.

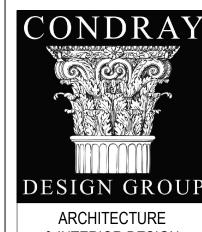
5 OF 7

DONALD PRESTON DRIVE





5 Beds 10 13.4 15 10.5 20 14.2



& INTERIOR DESIGN

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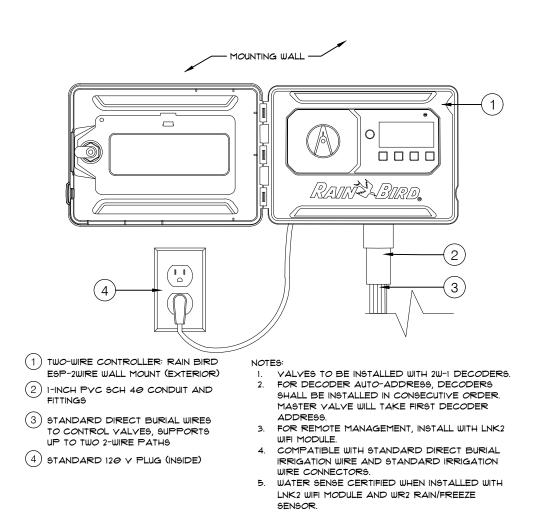


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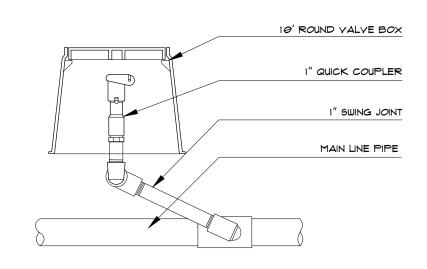
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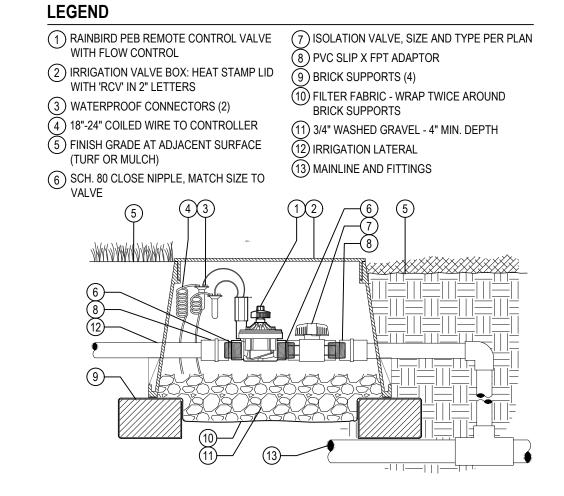
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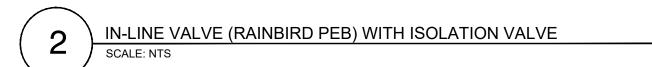


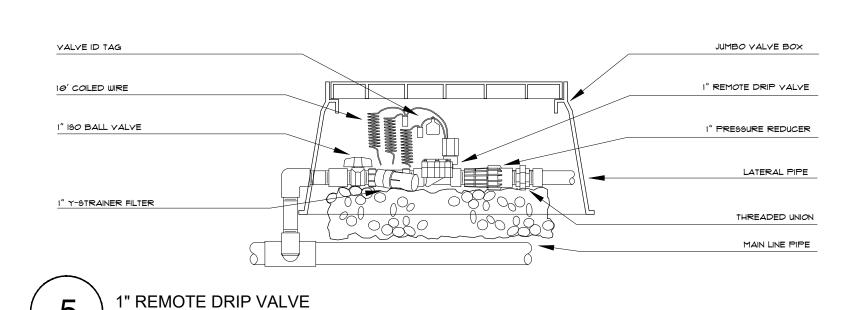




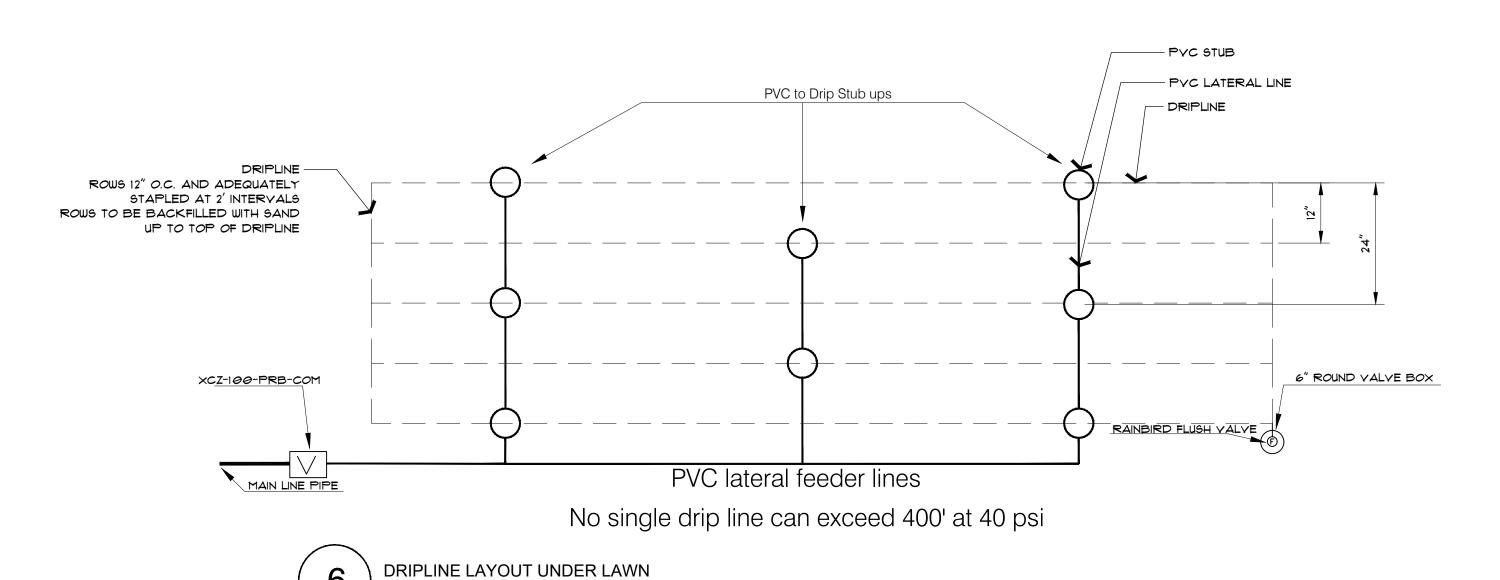


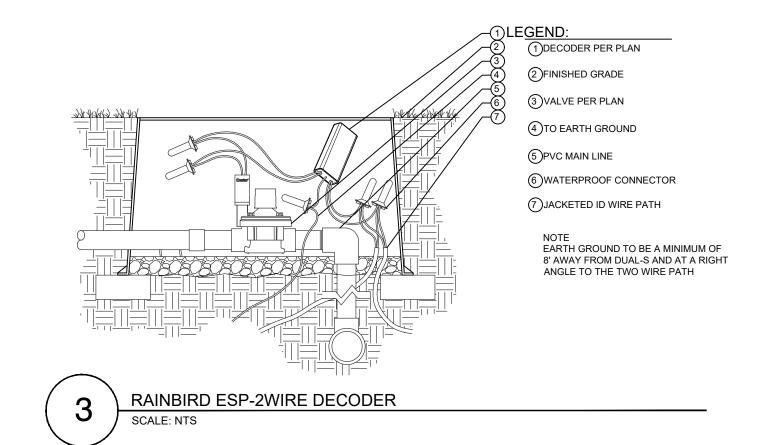






SCALE: NTS





GENERAL LANDSCAPE IRRIGATION NOTES

- ALL FIELD WORK WILL BE CONDUCTED IN A TIMELY MANNER AND UNDER THE SUPERVISION OF A LICENSED IRRIGATOR.
- 2. THE LANDSCAPE ARCHITECT OR IRRIGATION DESIGNER WILL
- BE NOTIFIED AND MAY NEED TO INSPECT HEAD AND
- PIPING LAYOUT PRIOR TO ANY INSTALLATION.

 3. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES
- PRIOR TO INITIATING WORK.

 4. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE OR INTERRUPTION
- IN SERVICE CAUSE BY EXCAVATION AND/OR WORK.
- 5. ALL FITTINGS AND NECESSARY EQUIPMENT REQUIRED TO MAKE IRRIGATION
 SYSTEM OPERATE PROPERLY AND COMPLY WITH LOCAL AND STATE CODES
 ARE INCIDENTAL TO THESE PLANS AND ARE THE CONTRACTORS
- ARE INCIDENTAL TO THESE PLANS AND ARE THE CONTRACTORS
 RESPONSIBILITY. CONTRACTOR SHALL FURNISH ALL MATERIALS NECESSARY TO
 CONSTRUCT IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS,
 SPECIFICATIONS, AND DETAILS.
- 6. THE CONTRACTOR SHALL LOCATE AND VERIFY WATER SUPPLY TO WHICH IRRIGATION SYSTEM WILL CONNECT.
- 7. THE CONTRACTOR SHALL COORDINATE WATER TAP IN LOCATIONS AND
- CONNECTIONS WITH OWNERS AGENT PRIOR TO INSTALLATION.

 8. IRRIGATION SLEEVES WILL BE A MINIMUM OF 2 TIMES
- DIAMETER OF THE PIPE IN WHICH IT CONTAINS AND
- EXTEND 12 INCHES BEYOND THE HARDSCAPE
- CONTRACTOR SHALL SIZE VALVE BOXES TO HOUSE ENTIRE IRRIGATION
 ASSEMBLIES AS SHOWN. VALVE BOX EXTENSIONS AS MANUFACTURES BY
 SUPPLIER SHALL BE INSTALLED TO MAINTAIN VALVE BOX COVER FLUSH WITH
 FINISHED GRADE AND VALVE BOX BASE MINIMUM OF TWO INCHES BELOW
 BOTTOM OF IRRIGATION ASSEMBLY.
- SPLICING OF REMOTE CONTROL VALVE WIRES IS NOT ALLOWED BETWEEN

 10. CONTROLLER AND VALVE BOX FOR REMOTE CONTROL VALVE. WIRES MUST BE
 CONTINUOUS FROM CONTROLLER TO REMOTE CONTROL VALVE WITHOUT
- SPLICING.

 11. CONTRACTOR SHALL FLUSH ALL LINES PRIOR TO INSTALLING HEADS AND
- 12. ALL TRENCH BACKFILL SHALL BE CLEAN MATERIAL FROM EXCAVATION BACKFILL. TRENCH IS TO BE EVEN WITH EXISTING GRADES AFTER COMPACTION. TRENCH BACKFILL MATERIAL SHALL BE WATER SETTLED AND COMPACTED. CONTRACTOR SHALL PLACE ALL SPRAY AND ROTARY HEADS AT LEAST FOUR
- INCHES AWAY FROM ANY CURBING, SIDEWALKS, FENCES OR BUILDINGS.

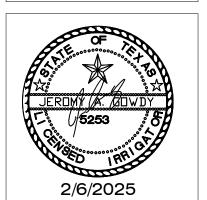
 13. THE IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR THE APPROPRIATE MARKING OF ANY UNDERGROUND UTILITIES AND MAY BE HELD LIABLE FOR ANY
- DAMAGES OR DISRUPTIONS FROM SERVICE.

 14. MAINLINE DEPTH SHALL BE A MINIMUM OF 24 INCHES AND A MAXIMUM OF 36 INCHES. LATERAL LINE DEPTH SHALL BE A MINIMUM OF 12 INCHES AND A
- MAXIMUM OF 24 INCHES.
- 15. IRRIGATION CONTRACTOR WILL BE FIELD VERIFY AVAILABLE WATER SOURCE AND PRESSURE PRIOR TO ANY WORK BEING DONE.
- 16. DRIPLINE IN LAWN AREAS TO BE ROWS 12" O.C., STRAIGHT AND FREE FROM
- 17. DRIPLINE IN LAWN AREAS TO BE ADEQUATELY STAPLED AT TWO FOOT INTERVALS TO ENSURE DRIPLINE REMAINS IN PLACE.
- ONCE DRIPLINE IS IN PLACE, NO EQUIPMENT SHALL BE UTILIZED IN THOSE AREAS TO AVOID DRIPLINE DAMAGE.



ARCHITECTURE & INTERIOR DESIGN

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Nieman Engineering, LLC 1500 Broadway St, Suite 1210 Lubbock, Texas 79401 T: 806-589-3340 TBPE Firm Registration No: F- 14148





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V WOLFFORTH CLINIC

NALD PRESTON DRIVE

720 DONALD PRESTO

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PROJECT NO.

SHEET NO.

6 OF 7

SCALE: NTS

SECTION 32 80 00 - IRRIGATION

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

- A. Installation of Landscape Irrigation System that supplies water to all trees, shrubs, lawns, and groundcovers
- B. Wherever the specifications require a product specified by brand name, or the use of products of specified manufacturers, such requirement is restrictive and may not be altered in any manner. No substitution of products will be allowed.
- C. Landscape contractor is required to furnish a complete, stamped irrigation plan to the Landscape Architect prior to commencement of work. It shall be designed by a licensed irrigator and adhere to current state-of-the-industry practices as well as all local, state and federal guidelines and regulations.

1.2 QUALIFICATIONS OF BIDDER

- A. Bidder to have a minimum of five (5) years' experience on projects of familiar characteristic
- B. Bidder to furnish, at Owners request, references of work for determination of ability of Bidders to perform work.
- C. Bidder is to inspect site to become familiar with site conditions prior to bid.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. All specification given for materials are based on the performance of the equipment. This is to ensure the integrity and proper hydraulics that the system is designed for.
- B. All material and products to be new and unused.

C.P.V.C. Pipe:

- a. Polyvinyl Chloride Pipe to be in accordance with A.S.T.M. b-2241-78 and made to
- SDR-PR dimensions

b. All P.V.C. piping shall be solvent welded.

D. Fittings:

- a. Nipples shall be schedule 80 threaded at both ends
- b. Elbows and Tees shall be schedule 40
- c. Risers for sprinkler heads shall be six (6") inch cut-off style nipple as manufactures by Spears Manufacturing or Lasco Manufacturing.

E. Valves:

control.

a. Section valves shall be Rainbird remote control valves, or approved equal, with flow

- b. Gate valves shall be of standard brass construction, double disc or wedge type with a non-rising stem, designed for a maximum working pressure of 150 p.s.i.
- c. Double Check Valve shall be constructed to meet the requirements of AWWA C506. Each double check shall have two (2) shut off valves and four (4) test cocks. All parts when installed shall be easily accessible for repair or replacement while the unit is still in-line. Double checks shall be as manufactured by FEBCO model 805Y or approved equal and shall be installed in an approved type valve box that includes

F. Sprinkler Heads:

a. Sprinkler heads shall be as manufactured by Rainbird or approved equal.

G. Dripline:

a. Dripline shall be Rainbird XFS-CV or approved equal.

a six (6") inch layer of clean gravel.

H. Controller:

a. Controller shall be Rainbird ESP-2Wire or approved equal. Contractor shall install and make all wiring connections.

I. Control Wiring:

- a. Control wiring shall be multi-strand 14 gauge irrigation control cable.
- b. Provide moisture proof dry-splice connections for underground wiring within valve
- c. No taping of wire splices allowed.

J. P.V.C. Solvent and Primer:

- a. Solvent used on P.V.C. pipe shall be of a type approved by both the manufacturer of the pipe and the fittings
- b. Primer shall be used on each joint and must be approved in the same fashion.

K. Freeze Stat:

a. Freeze Stat shall be installed to prevent operation of the sprinkler system during freezing weather. This freeze stat shall be a Mini-Click mode 401 or equal with an appropriate 38* F activation.

L. Valve Boxes:

- a. Valve boxes shall be a minimum ten (10") inch polypropylene construction and shall
- be equipped with green polypropylene covers

M. Miscellaneous:

a. Teflon tape shall be applied to all male threads

sprinklers to be set to proper arc by Contractor.

b. There shall be no less than six (6") inches of pipe between two fittings

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Sprinkler Heads:
 - a. All Heads to be installed at spacing indicated on plans. Any discrepancies between the plan and actual field measurement shall be reported to the Landscape architect. b. Install heads so that the top of the heads are 1/4 inch above ground level. All

B. Dripline:

a. Dripline under lawn area shall straight rows, 12" on center. Rows are to be staggered so emitters are offset, creating a triangular pattern of watering. Dripline to be adequately stapled at two foot intervals.

C. Obstructions Below Ground

a. The Contractor shall familiarize himself with all existing underground utility locations and shall avoid damaging them during trenching operations. The Contractor shall repair at his own expense any damage to existing utilities and such repairs shall be done in a manner directed by the Owner.

D. Trenching:

- a. All trenches to have straight flat bottoms and of sufficient depth for sprinkler heads
- plus four (4") inches.
- b. All piping shall be covered with a minimum of twelve (12") inches cover when at finish

E. Laying of P.V.C. Pipe

- a. Pipe to be snaked from side to side of trench bottom to allow for expansion and
- b. All foreign matter to be removed from inside of pipe prior to joining.
- c. All lumber, rubbish and large rocks shall be removed from trench. Pipe shall have a firm, uniform bearing for the entire length of each pipe line to prevent uneven settlement.
- d. Flush pipes until free of all rock, dirt, trash, pipe shaving and debris.

F. Controller:

- a. Controller shall be mounted in a location that shall be determined by Landscape Architect, General Contractor and Owner.
- b. All Control wiring above soil level shall be enclosed in rigid galvanized conduit in accordance with electrical codes.
- c. Controller power supply shall be provided by Owner.

G. Freeze-Stat Installation and Test:

- a. Freeze-stat will be located outside the building in a position so as to give a true outside air temperature reading. Freeze-stat shall be securely fastened to its mount.
- b. The freeze-stat shall be wired into the sensor nut on the controller wiring block.
- c. The Contractor shall test and document to the Owner the correct operation of the Freeze-stat protection.

PART 4 - WARRANTY

4.1 CONTRACTOR RESPONSIBILITIES

- A. The contractor shall make all needed repairs or replacements due to defective workmanship or materials for exactly one (1) year following date of final acceptance at no cost to Owner
- B. Contractor shall pay all expenses incurred if Contractor fails to do work within ten (10) days after a request has been made by the Owner. Owner will proceed with the repairs and charge all expenses to the Contractor.
- C. Contractor shall pay for any expenses incurred to project due to vandalism prior to acceptance by the Owner.
- D. Contractor shall provide an as built drawing showing actual location of valves, piping, and

- E. Contractor shall provide one training period to the Owner at his request on correct operation of the controller and irrigation system.
- F. Contractor shall be responsible for abiding by all local plumbing codes and permitting

4.2 OWNER RESPONSIBILITES

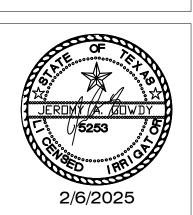
A. The Owner shall pay all expenses incurred due to vandalism, incorrect operation, or maintenance destruction to the sprinkler system after final acceptance

END OF SECTION



ARCHITECTURE & INTERIOR DESIGN

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