NMSU AGRICULTURAL MODERNIZATION
PHASE 3: NEALE HALL DEMOLITION

95% CONSTRUCTION DOCUMENTS
MARCH 14, 2024

GENERAL

CIVIL

STRUCTURAL

ARCHITECTURAL

PLUMBING

ELECTRICAL

TECHNOLOGY

PROJECT DESCRIPTION

The NMSU Biomedical Research Building Expansion will require the North end of Neale Hall to be demolished. FBT, in cooperation with the Design Team's Mechanical, Electrical, Plumbing, Civil and Structural Engineers, has evaluated the existing facility and identified the logical demolition line. The Design Team recognizes the existing tenants on the South end of the building most remain operational during the demolition process. Utilities were evaluated. A new sewer line tap will be required. New electrical transformer relocated and mechanical rooms to support new services including panels for new transformer and hot water heater. The existing structural basement will need careful stabilization during demolition to not impact the existing structure. Two existing windows will be impacted by the demolition line and a new exterior wall with foundations will be required to closeout the existing facility. Note this work does not support bringing the remaining building up to code relative to electrical, mechanical and plumbing. This project merely restores existing utilities.

BIM MODEL REQUIREMENTS

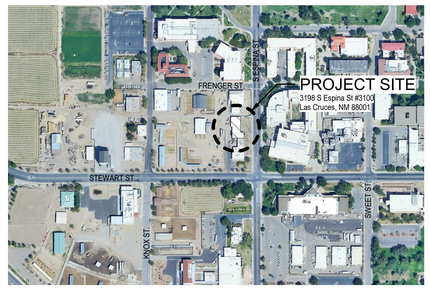
BIM MODEL SUBMITTAL & COORDINATION REQUIREMENTS

All requirements noted in individual specification sections for submittal of coordination drawings and shop drawings shall be strictly followed. Item or Equipment fabrications and installations that occur prior to the approval of these drawings shall be subject to removal and replacement at no additional cost to the owner.

In addition to the required drawings noted above, contractor shall prepare BIM (Building Information Model) for the systems noted below. The intent of this BIM model is to determine conflicts and coordinate solutions that will resolve final system installation. The contractor may use the overall BIM model to generate the coordination drawings and vice-versa.

1. HVAC
2. Plumbing
3. Electrical
4. Fire Protection
5. Special Systems
6. Structural

VICINITY MAP



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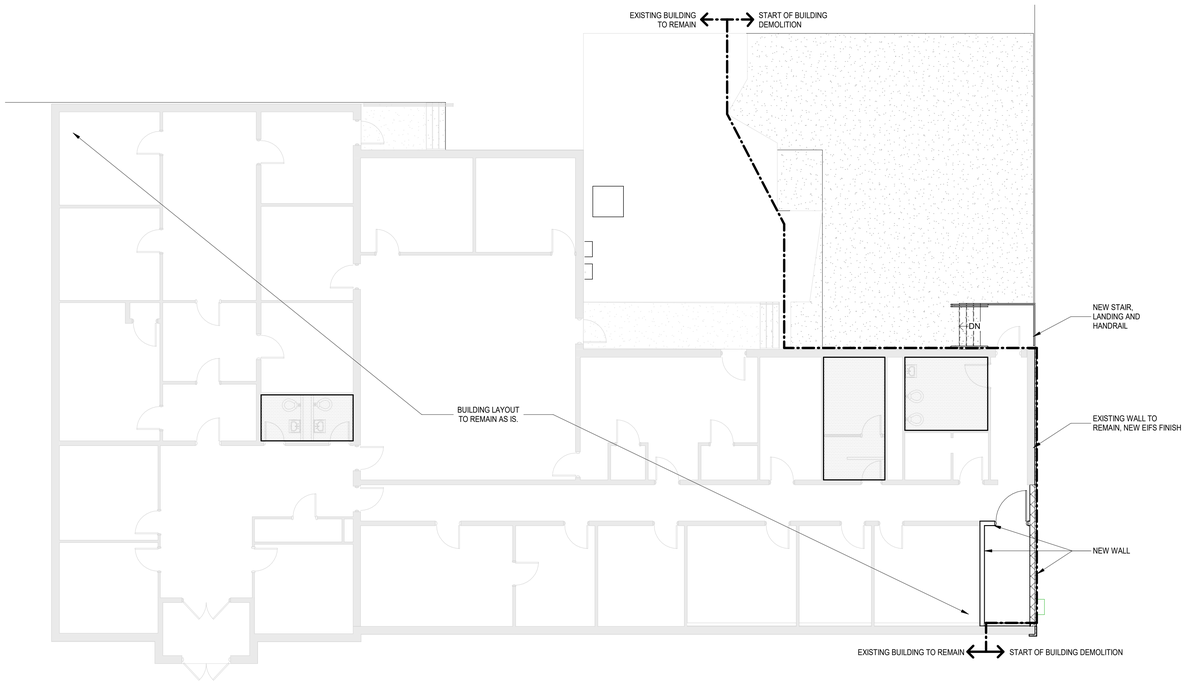
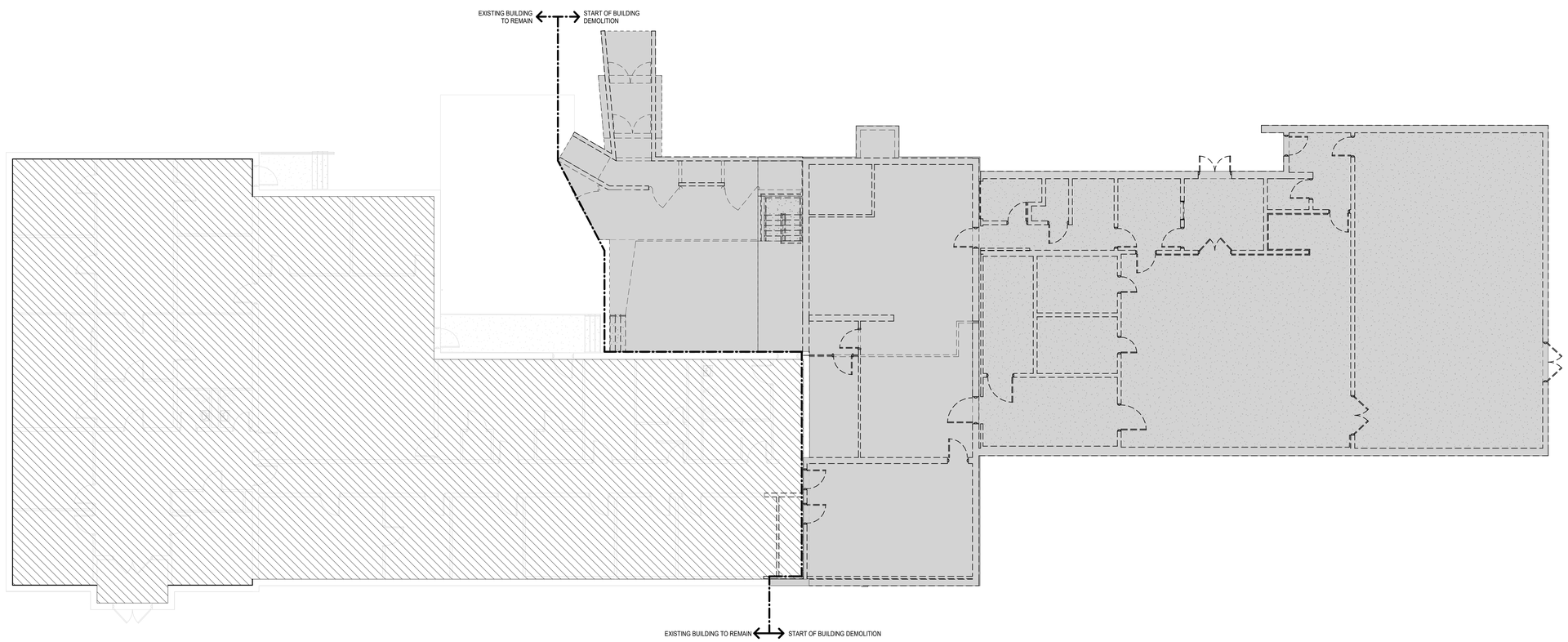
ARCHITECT

NMSU Agricultural Modernization: Biomedical Research Building



C1 OVERALL REMAINING BUILDING PLAN
1/8" = 1'-0"



A1 OVERALL DEMOLITION PLAN
1/8" = 1'-0"

CODE ANALYSIS

ALTERATION LEVEL 2 SUMMARY

DEMOLITION:

THE ADDITION THAT WAS BUILT IN 1972 WILL BE DEMOLISHED IN ITS ENTIRETY INCLUDING THE CAPPING OF UTILITIES WITHIN 2' OF MAIN LINES. THIS ADDITION HAD NO IMPACT ON THE ORIGINAL BUILDING EGRESS OR UTILITIES AND THERE FOR THE DEMOLITION OF THE ADDITION HAS NO IMPACT ON THE CURRENT FUNCTION OF THE BUILDING TO REMAIN.

THE 2-STORY PORTION OF THE EXISTNG BUILDING FROM 1950 IS TO BE DEMOLISHED IN ITS ENTIRERTY. THIS INCLUDES THE MAIN FLOOR LEVEL AND BASEMENT AS SHOWN IN DRAWINGS. THIS ALSO INCLUDED THE ASSOCIATED LOADING DOCK, CANOPY AND ANIMAL HANDELING SITE ELEMENTS.

BUILDING TO REMAIN:

BUILDINGS ORIGINAL EGRESS ROUTES WERE NOT MODIFIED FOR THE PORTION OF THE BUILDING TO REMAIN. RESTROOMS, INTERIOR FINISHES, AND UTILITY SIZING AND DISTRIBUTION IS TO STAY THE SAME. ONE SMALL ROOM IS BEING SLIGHTLY INCREASED IN SIZE TO ACCOMIDATE A NEW HOT WATER HEATER THAT WAS PREVIOUSLY IN THE BASEMENT OF THE BUILDING.

UTILITIES WILL BE RECONNECTED TO CONTINUE SERVICING THE PORTION OF THE BUILDING TO REMAIN. FIRE PROTECTION, SEWER, GAS, AND ELECTRICAL WILL BE RECONNECTED AND NOT EXPANDED WITHIN THE BUILDING. UNDER SLAB UTILITIES WILL REQUIRE THE DEMOLITION AND REPLACEMNET OF CONCRETE SLAB TO PERFORM RECONNECTION WORK. THE CURRENT TRANSFORMER THAT SERVICES THIS BUILDING IS WITH THE PLANNED DEMOLITION AREA AND WILL NEED TO BE RELOCATED.

ONE NEW EXTERIOR WALL NEEDS TO BE ADDED TO THE NORTH-EAST SIDE OF THE BUILDING TO CLOSE UP THE BUILDING. 2 NEW INTERIOR WALL WILL BE CONSTRUCTED TO CREATE A CLOSET FOR THE WATER HEATER AND UTILITY VALUES.

REFERENCES

2021 NEW MEXICO EXISTING BUILDING CODE (2021IEBC)
2021 INTERNATIONAL BUILDING CODE (2021 IBC)
2021 INTERNATIONAL EXISTING BUILDING CODE
2017 ANSI AMERICAN NATIONAL STANDARDS (ADA CODE)
2018 NEW MEXICO ENERGY CONSERVATION CODE
2018 INTERNATIONAL ENERGY CODE
2012 NEW MEXICO MECHANICAL CODE
2015 UNIFORM MECHANICAL CODE
2012 UNIFORM PLUMBING CODE
2017 NEW MEXICO ELECTRICAL CODE
2012 NEW MEXICO PLUMBING CODE
2015 INTERNATIONAL FIRE CODE (IFC)
2015 INTERNATIONAL MECHANICAL CODE OF THE ICC
2009 INTERNATIONAL ENERGY CONSERVATION CODE
2007 NATIONAL FIRE PROTECTION ASSOCIATION
2015 INTERNATIONAL FUEL GAS CODE OF THE ICC
2012 NEW MEXICO ELECTRICAL SAFETY CODE/NATIONAL ELECTRIC SAFETY CODE
1999 NATIONAL FIRE PROTECTION ASSOCIATION LIFE SAFETY CODE
2007 NATIONAL FIRE PROTECTION ASSOCIATION

NOTE: THE STATE FIRE CODE OF NEW MEXICO IS THE 2003 IFC. WHERE THE 2015 IBC FIRE PROTECTION REQUIREMENTS EXCEED THE 2003 IFC REQUIREMENTS, THEY WILL BE USED AS THE BASIS FOR THE DESIGN. THE 2015 IBC ALSO REFERENCES THE 2015 EDITION OF NFPA 101.

ADDRESS

NMSU CAMPUS, ON S ESPINA ST, SOUTH OF FRENGER ST., LAS CRUCES, NM 88003

LOCATION ON PROPERTY

REFERENCE SITE PLAN ON COVER SHEET.

OCCUPANCY CLASSIFICATION

IBC 309.1, IBC 304.4: OCCUPANCY GROUP B - BUISNESS (HIGHER EDUCATION)

FIRE SPRINKLER SYSTEM 2015 IBC SECTION 903.2.1

EQUIPPED THROUGHOUT WITH AND AUTOMATIC SPRINKLER SYSTEM, EXISTING TO REMAIN AND BE RECONNECTED.

TOTAL BUILDING AREAS

PREVIOUS	14,835 SF
DEMO	7,942 SF
REMAIN	6,893 SF

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ARCHITECT

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 12, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	773B
DRAWN BY:	JRC
CHECKED BY:	JRC

SHEET TITLE

BUILDING CODE ANALYSIS

G-001

3/14/2024 5:00:09 PM

School Information

GENERAL NOTES

A. SEE ARCHITECTURAL PLANS FOR DEMOLITION OF BUILDING, BASEMENTS, UNDERGROUND TANKS/AREA WAYS, AND SITE RELATED FEATURES.

B. ALL EXISTING UTILITIES AND STRUCTURES ARE TO BE FIELD VERIFIED FOR SIZE, LOCATION AND DEPTH BY THE CONTRACTOR PRIOR TO THE START OF WORK.

C. CONTRACTOR TO CONTACT NMSU PRIOR TO BEGINNING SCOPE OF WORK TO DETERMINE WHEN DEMOLITION ACTIVITIES CAN OCCUR AND THEIR ASSOCIATED DURATIONS.

D. EXISTING UTILITIES AS SHOWN ARE BASED ON LATEST AVAILABLE TOPOGRAPHIC SURVEY INFORMATION DATED MAY 5TH, 2020.

E. CONTRACTOR TO PROVIDE SURVEYED AS-BUILTS UPON COMPLETION BY A NM LICENSED SURVEYOR. AS-BUILTS SHALL INCLUDE THE LOCATION AND DEPTH OF BELOW GRADE CAPPED UTILITIES AND ANY OTHER LARGE OBJECTS NOT COMPLETELY REMOVED. TIE SURVEY TO NMSU OR COUNTY BENCHMARKS IN THE AREA.

F. LIMITS OF DEMOLITION IS BASED ON THE PROPOSED BIOMED PHASE 3 BUILDING LIMITS.

◯ DEMO KEYED NOTES

1. EXISTING UTILITY STRUCTURE AND UTILITY LINE IS UNKNOWN BUT IS IN CONFLICT WITH FUTURE DESIGN. THEREFORE THE CONTRACTOR IS TO FIELD VERIFY AND NOTIFY ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES. CONTRACTOR TO ACCOUNT FOR DEMOLITION AND REMOVAL OF SAID UTILITY LINE AND STRUCTURE. SEE GENERAL NOTE B FOR MORE INFORMATION.
2. EXISTING TRANSFORMER AND ELECTRICAL LINES TO BE REMOVED AND RELOCATED. SEE ELECTRICAL PLANS FOR MORE INFORMATION.
3. CONTRACTOR TO REMOVE 2" FIRE AND 4" DOMESTIC WATER SERVICES UP TO 5 FT FROM THE BUILDING FACE AND CAP SERVICES.
4. CONTRACTOR TO RELOCATE 3" GAS METER AND SERVICE UP TO 5 FT FROM BUILDING FACE AND CAP SERVICE. SEE MEP PLANS FOR MORE INFORMATION.
5. COMMUNICATIONS SERVICE TO BE REMOVED AS SHOWN AND CAP SERVICE. ALL WORK THAT IS TO BE DONE NEEDS TO FOLLOW THE GUIDELINES SET FORTH BY NMSU DIVISION 27 GUIDELINES. THESE GUIDELINES CAN BE FOUND HERE: https://telecomm.nmsu.edu/communications-cabling-design-documents/
6. CONTRACTOR TO REMOVE 4" SANITARY SEWER SERVICE AS SHOWN AND CAP SERVICE.
7. APPROXIMATE LIMITS OF PROPOSED BUILDING IN CONFLICT WITH EXISTING UTILITY.
8. LIMITS OF DEMOLITION OF BUILDING. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.
9. CONTRACTOR TO REMOVE STEAM LINE SERVICE BETWEEN 5-FT FROM THE BUILDING FACE TO THE SOUTH FACE OF THE BIOMED PHASE 2 BUILDING. SEE ARCHITECTURAL PLANS FOR MORE INFORMATION.

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- UGEL(B) — EXISTING UNDERGROUND ELECTRIC LINE
- C(B) — EXISTING COMMUNICATIONS LINE
- NG(B) — EXISTING GAS LINE
- SS(B) — EXISTING SANITARY SEWER LINE
- W(B) — EXISTING WATER LINE
- EXISTING VALVE
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER MANHOLE
- W(D) — EXISTING UTILITY TO BE REMOVED

N

10 5 0 10
1"=10'

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MARCH 12, 2024

ISSUE:	
DATE:	03/12/2024
PROJECT NO:	773B
DRAWN BY:	LS
CHECKED BY:	AP

SHEET TITLE

UTILITY DEMOLITION PLAN

CD-100

School Information

Wed, 13-Mar-2024 - 4:41 pm, Plotted by: LSOENS
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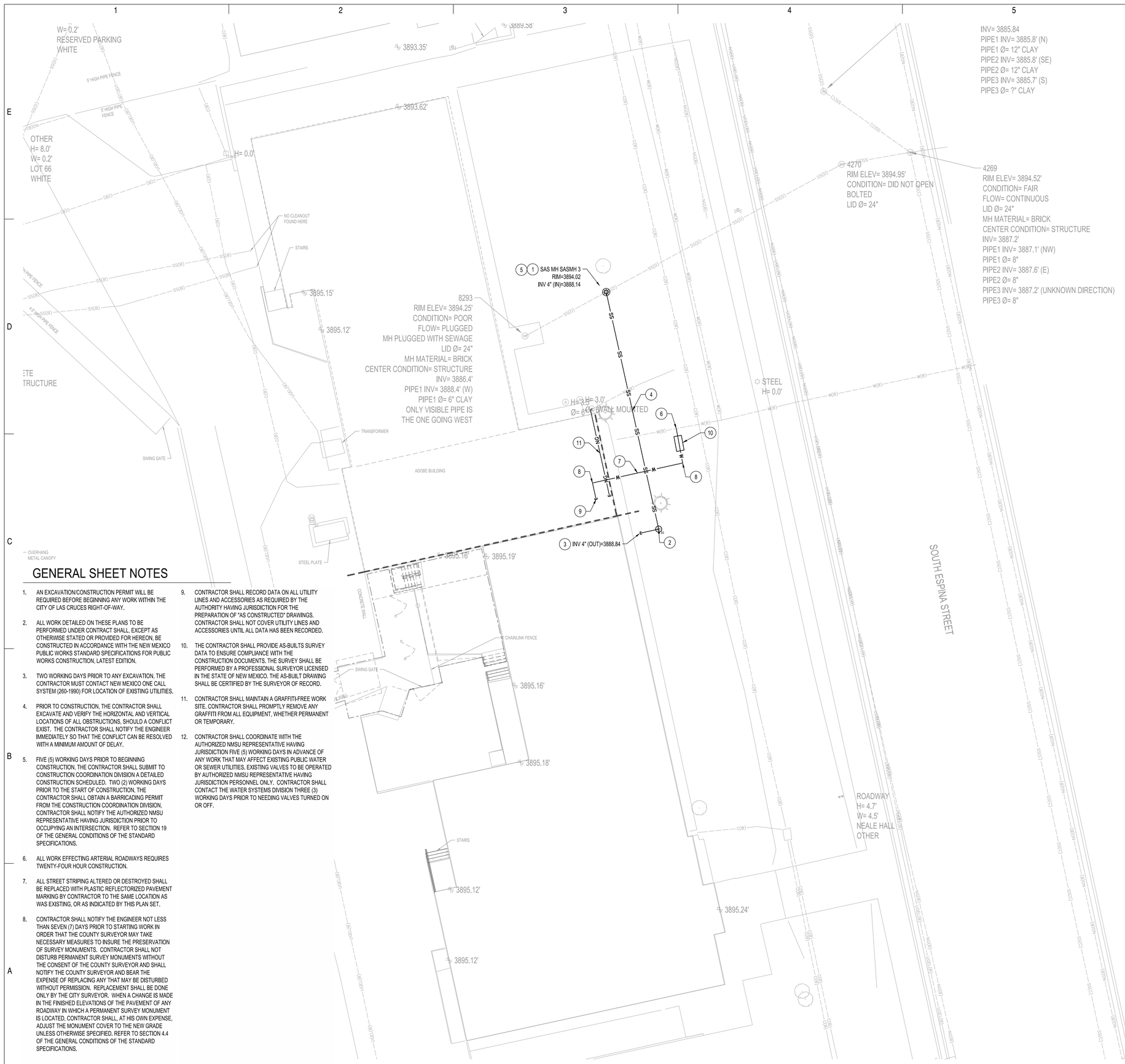

GENERAL SHEET NOTES

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY OF LAS CRUCES RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO PUBLIC WORKS STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS, SHOULD A CONFLICT EXIST. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULED. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE AUTHORIZED NMSU REPRESENTATIVE HAVING JURISDICTION PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK EFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE COUNTY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE COUNTY SURVEYOR AND SHALL NOTIFY THE COUNTY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORES AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. THE CONTRACTOR SHALL PROVIDE AS-BUILTS SURVEY DATA TO ENSURE COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. THE SURVEY SHALL BE PERFORMED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF NEW MEXICO. THE AS-BUILT DRAWING SHALL BE CERTIFIED BY THE SURVEYOR OF RECORD.
11. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
12. CONTRACTOR SHALL COORDINATE WITH THE AUTHORIZED NMSU REPRESENTATIVE HAVING JURISDICTION FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY AUTHORIZED NMSU REPRESENTATIVE HAVING JURISDICTION PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

UTILITY GENERAL NOTES

A. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO MECHANICAL UTILITIES AS SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PADS, SERVICE STOPS AND BOXES, SERVICE LINES, TESTING, CLEANING, AND STERILIZING. ANY WORK NOT ACCEPTED BY THE ARCHITECT OR ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.
B. MINIMUM DEPTHS OF COVER SHALL BE: 36" FOR WATERLINES AND 48" FOR SEWER, EXCEPT AT BUILDING CONNECTION.
C. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED OF HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE IAPMO UNIFORM PLUMBING CODE & NFPA 24. LATEST EDITION.
D. UTILITY LINES SHALL BE INSTALLED PRIOR TO PAVEMENT, CURB AND GUTTER, AND/OR SIDEWALK, AS APPLICABLE.
E. ROUGH GRADING OF SITE (±0.5') SHALL BE COMPLETED PRIOR TO INSTALLATION OF UTILITY LINES.
F. CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS TO BUILDING DRAIN LINES AND ALL NECESSARY FITTINGS.
G. ALL VALVES SHALL BE ANCHORED PER NMAPWA STANDARD DWG. 2333.
H. FIRE LINES SHALL USE PIPE MATERIALS UNDERWRITERS LABORATORIES LISTED AND APPROVED FOR FIRE SERVICE.
I. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER METER, FIRE LINE, AND SEWER HOOKUP FEES FOR INSTALLATIONS. OWNER SHALL BE RESPONSIBLE FOR UTILITY EXPANSION CHARGES, PRORATA AND OTHER SPECIAL ASSESSMENTS.
J. CONTRACTOR SHALL VERIFY INVERTS AND LOCATIONS OF EXISTING WATER/SAS LINES PRIOR TO BEGINNING WORK. ALL CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER AND RESOLVED PRIOR TO BEGINNING WORK.
K. CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION OF FIRE SERVICE LINES, AND PRIOR TO TESTING OF ALL WATERLINES. CONTRACTOR SHALL COMPLETE, SIGN, AND SUBMIT THE "CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING" IN ACCORDANCE WITH NFPA 24.
L. ADJUST ALL EXISTING DISTURBED UTILITY APPURTENANCES, INCLUDING, BUT NOT LIMITED TO CLEANOUTS, VALVE COVERS, ETC. TO FINISHED GRADE.
M. CONTRACTOR IS RESPONSIBLE FOR COMPLETING A FIRE PRESSURE/FLOW TEST PRIOR TO THE START OF CONSTRUCTION AND COORDINATING WITH NMSU AS NEEDED. CONTRACTOR TO PROVIDE RESULTS TO THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.

UTILITY KEYED NOTES

1. CONNECT TO EXISTING SANITARY SEWER LINE. CONTRACTOR TO FIELD VERIFY SIZE, LOCATION, AND DEPTH OF EXISTING SANITARY SEWER LINE PRIOR TO ORDERING MATERIALS. NOTIFY ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES WITH THE PROPOSED DESIGN.
2. INSTALL SANITARY SEWER CLEANOUT PER NMSU DETAIL UT-S3.
3. INSTALL SANITARY SEWER SERVICE TO WITHIN 5' OF BUILDING. INSTALL VERTICAL SANITARY SEWER RISER. SEE PLUMBING PLANS FOR CONTINUATION.
4. INSTALL 4" PVC SDR 35 SAS LINE PER NMSU DETAIL UT-S1.
5. INSTALL SANITARY SEWER MANHOLE PER NMSU DETAIL UT-S4.
6. INSTALL WET CONNECTION PER NMSU DETAIL UT-W2. CONNECT TO EXISTING WATER LINE. CONTRACTOR TO VERIFY SIZE, DEPTH, AND LOCATION OF EXISTING WATER LINE PRIOR TO ORDERING MATERIALS. NOTIFY ENGINEER IMMEDIATELY IF THERE ARE ANY DISCREPANCIES WITH THE PROPOSED DESIGN.
7. INSTALL 4" DOMESTIC WATER LINE PER UT-W1 AND UT-W9.
8. INSTALL 90° BEND (SIZE PER PLAN) WITH RESTRAINT JOINTS.
9. INSTALL DOMESTIC SERVICE LINE TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
10. INSTALL DOMESTIC BACKFLOW PREVENTION DEVICE WITHIN HEATED ENCLOSURE. BACKFLOW DEVICE SHALL COMPLY WITH THE CITY OF LAS CRUCES APPLICABLE BACKFLOW ORDINANCES. SEE ELECTRICAL PLANS FOR MORE INFORMATION ON POWER CONNECTION.
11. INSTALL 3" GAS SERVICE LINE. SEE MEP PLANS FOR MORE INFORMATION.

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- W(B) — EXISTING WATER LINE
- EXISTING VALVE
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER MANHOLE
- NG — PROPOSED GAS LINE
- W — PROPOSED WATER LINE
- SS — PROPOSED SANITARY SEWER LINE
- PROPOSED CAP
- PROPOSED MANHOLE
- PROPOSED CLEANOUT

N

10 5 0 10
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UTILITY PLAN

C-100

School Information

Wed, 13-Mar-2024 - 4:41 pm, Plotted by: LSDENS
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AG MOD PHASE 3: NEALE HALL DEMO

GENERAL STRUCTURAL NOTES

1. CODES AND MANUALS:
   INTERNATIONAL BUILDING CODE, 2021 EDITION
   MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7-16,
   AISC MANUAL OF STEEL CONSTRUCTION, 9TH EDITION
   SJI STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS
   SDI DIAPHRAGM DESIGN MANUAL, 2ND EDITION
   AISI COLD FORMED STEEL MANUAL, CURRENT EDITION
   ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318
   AWS D1.1 AND D1.3
   NDS 2005 EDITION

2. DESIGN CRITERIA:
   A. VERTICAL:
      LIVE LOAD
      ROOF (20 PSF SNOW, 5 PSF SOLAR PANELS) 25 PSF
      PARTITION 20 PSF
      FLOOR 70 PSF
      CORRIDOR 100 PSF
      Is (IMPORTANCE FACTOR FOR SNOW) 1.0
      * LOAD HAS NOT BEEN REDUCED
   B. HORIZONTAL LOADS:
      (1) WIND*
      PROCEDURE PER SECTION 1609
      P = WIND PRESSURE x λ x Iw
      WIND SPEED V3s=115 MPH
      WIND PRESSURE : END ZONE 21.0 PSF
      INTERIOR ZONE 13.9 PSF
      HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENT FROM FIGURE 6-2 IN ASCE
      IMPORTANCE FACTOR Iw = 1.0

HORIZONTAL WIND LOAD:	END	INTERIOR
0' - 15'	25.4 PSF	16.8 PSF
15' - 20'	27.1 PSF	17.9 PSF

      (2) SEISMIC* V = Sds Ie W/ R
      SPECTRAL ACCELERATIONS Ss=0.548
      S1=0.075
      SITE CLASS D
      IMPORTANCE FACTOR Ie = 1.0
      DESIGN SPECTRAL RESPONSE Sds = 0.497
      ONE SECOND PERIOD RESPONSE ACCEL. Sd1 = 0.237
      RESPONSE MODIFICATION COEFFICIENT R = 6.0
      SEISMIC FORCE V = 0.058 X W
      SEISMIC DESIGN CATEGORY C
      * ALLOWABLE 1/3 STRESS INCREASE FOR SEISMIC LOADING
   C. ALLOWABLE SOIL BEARING PRESSURE = 1500 PSF

3. GENERAL:
   A. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
   B. SHOP DRAWINGS, IN HARD COPY FORM, SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED.
   C. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND REQUIRE RESUBMITTAL.
   D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.
   E. TEMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.
   F. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL OPENINGS IN FLOORS, ROOF, WALLS AND BEAMS WITH THE INDIVIDUAL TRADES.
   G. NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.
   H. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED. NO CONCRETE PADS SHALL BE LOCATED ON ROOF UNLESS SHOWN ON STRUCTURAL DRAWINGS.
   I. REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH ACI 347. WHERE CONCRETE MUST SUPPORT SUPERIMPOSED LOADS PRIOR TO ATTAINING THE SPECIFIED DESIGN STRENGTH, RESHORE CONCRETE IN ACCORDANCE WITH ACI 347. RESHORING SHALL NOT BE REMOVED SOONER THAN 28 DAYS FROM THE DATE OF POUR OR UNTIL CONCRETE HAS ATTAINED THE SPECIFIED DESIGN STRENGTH.

4. MATERIALS:
   A. CAST-IN-PLACE CONCRETE:
      (1) ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-96.
      (2) ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.
      (3) NORMALWEIGHT CONCRETE:
         A. F'C = 4000 PSI @ 28 DAYS (AIR ENTRAINED) - ALL EXPOSED EXTERIOR CONCRETE FLAT WORK. (I.E. SLABS, EQUIPMENT PADS, ETC.).
         B. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (AIR ENTRAINED) IE., FOOTINGS, PEDESTALS, STEM WALLS, ETC.)
         C. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE.
      (4) THE CONTRACTOR SHALL NOT CAST FOUNDATIONS, STEM WALLS OR RETAINING WALLS AGAINST EXCAVATED VERTICAL SIDE SURFACES.
      (5) FLY ASH ADDITIVES MAY NOT EXCEED 20% OF THE CEMENTITIOUS MATERIAL
      (6) THE MAXIMUM WATER TO CEMENTITIOUS MATERIAL RATIO, BY WEIGHT, MAY NOT EXCEED 50%.
      (7) THE OWNER'S SPECIAL INSPECTOR SHALL MONITOR SAMPLING & TESTING PERFORMED BY THE CONTRACTOR'S TESTING AGENCY.
      (8) MAXIMUM SLUMP FOR CONCRETE MIX DESIGN IS 4".
   B. REINFORCING STEEL:
      (1) ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318) AND THE STANDARD MANUAL (ACI 315-99).
      (2) ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 EXCEPT STIRRUPS, TIES AND FIELD-BENT BARS WHICH SHALL CONFORM TO ASTM A615 GRADE 40.
      (3) ALL SLABS SHALL BE REINFORCED AS SHOWN ON THE DRAWINGS.
      (4) WHERE LAPPED SPLICES IN REINFORCING OCCUR, THE MINIMUM LAP SHALL BE MADE AS FOLLOWS UNLESS NOTED OTHERWISE ON DRAWINGS:
         A. VERTICAL REINFORCING:30 BAR DIA. (18" MINIMUM)
         B. HORIZONTAL REINFORCING:30 BAR DIA. (18" MINIMUM)
      (5) ALL HORIZONTAL REINFORCING IN FOOTINGS, BEAMS, 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, (18 INCHES MINIMUM).
      (6) CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
         A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH...3"
         B. CONCRETE EXPOSED TO EARTH OR WEATHER:
            1. BARS LARGER THAN NO. 5.....2"
            2. BARS NO. 5 OR SMALLER.....1 1/2"
      (7) FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL.
      (8) BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315-99. CHAIRS WITH 22 GA. SAND PLATES OR PRECAST BLOCKS SHALL BE PROVIDED FOR ALL REINFORCING OF CONCRETE IN CONTACT WITH GRADE. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS.
      (9) REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS. IF DRAWINGS SHOW REBAR TO BE WELDED, USE ASTM A706 REBAR.

   C. STRUCTURAL AND MISCELLANEOUS STEEL:
      (1) ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
      (2) ALL W-SHAPED MEMBERS SHALL CONFORM TO ASTM A992 (Fy=50KSI). ALL CHANNELS, ANGLES, & PLATES SHALL BE ASTM A36 (Fy=36KSI). ALL PIPE STEEL SHALL BE ASTM A501 (Fy=36KSI).
      (3) ALL COLD FORMED STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B. FY = 46 KSI.
      (4) BOLTS SHALL CONFORM TO ASTM A325 TENSION CONTROL BOLTS UNLESS NOTED OTHERWISE, WITH SIZES AS SHOWN ON THE DRAWINGS. WHERE CLEARANCE WITHIN A CONNECTION DOES NOT PERMIT THE USE OF TENSION CONTROL BOLTS, STANDARD A325 BOLTS SHALL BE USED AND INSPECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
      (5) ALL BOLTS SHALL BE TIGHTENED SO AS TO SHEAR THE SPLINE OFF THE BOLT.
      (6) ANCHOR BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM A307 BOLTS OR A36 THREADED BARS. PROVIDE FLAT WASHERS BETWEEN ALL NUTS AND BASEPLATES.
      (7) ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE AWS STRUCTURAL WELDING CODE.
      (8) ALL BOLT HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAG DRILL. FLAME CUTTING OF HOLES OR ENLARGING OF UNFAIR HOLES WILL NOT BE ALLOWED.
      (9) HEADED CONCRETE ANCHORS AND SHEAR CONNECTORS SHALL BE TYPE B, IN CONFORMANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE-STEEL". STRUCTURAL STEEL TO RECEIVE SHEAR CONNECTIONS SHALL BE FREE OF PAINT. WELDING PRE-QUALIFICATION REQUIRED.

   D. MASONRY:
      (1) ALL MASONRY UNITS SHALL BE TYPE I WITH A COMPRESSIVE STRENGTH OF 1900 PSI (NET AREA).
         A. F'M = 1500 PSI
      (2) MORTAR SHALL BE TYPE S, 1800 PSI.
      (3) GROUT - F'C = 2000 PSI.
      (4) ALL REINFORCED CELLS SHALL BE GROUTED SOLID FROM THE BOTTOM TO THE TOP OF THE WALL IN ACCORDANCE WITH THE IBC.
      (5) ALL VERTICAL REBAR SHALL BE IN PLACE AND SECURED WITH REBAR POSITIONERS PRIOR TO GROUTING.
      (6) UNLESS OTHERWISE NOTED, MASONRY CELLS SHALL BE GROUTED IN ACCORDANCE WITH THE LOW-LIFT METHOD AS DESCRIBED IN THE INTERNATIONAL BUILDING CODE. (MAX. 4 FT. LIFTS)
      (7) ALL CELLS BELOW GRADE SHALL BE GROUTED SOLID UP TO GRADE.
      (8) LAP ALL REBAR 48 BAR DIAMETERS (24 INCHES MINIMUM) UNLESS NOTED OTHERWISE.
      (9) ALL HORIZONTAL REINFORCING IN BOND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND A LAP OF 48 BAR DIAMETERS (24 INCHES MINIMUM). VERTICAL STEEL SHALL CONTINUE THROUGH BOND BEAMS.
      (10) PROVIDE STANDARD TRUSS TYPE JOINT REINFORCING AT 16" O.C. (ALTERNATE COURSES). USE PREFABRICATED CORNERS AND TEES AT ALL WALL CORNERS AND INTERSECTIONS RESPECTIVELY.

5. POST INSTALLED ANCHORS:
   POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR. HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE SPECIFIED BELOW SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER-OF-RECORD ALONG WITH CALCULATIONS THAT ARE PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER. THE CALCULATIONS SHALL DEMONSTRATE THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERTINENT EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE. PROVIDE CONTINUOUS SPECIAL INSPECTION FOR ALL ADHESIVES AND MECHANICAL ANCHORS PER THE PRODUCT'S APPLICABLE ICC-ES EVALUATION REPORT (ICC-ES-ESR). CONTACT MANUFACTURER'S REPRESENTATIVE FOR THE INITIAL TRAINING AND INSTALLATION OF ANCHORS AND FOR PRODUCT RELATED QUESTIONS AND AVAILABILITY. CALL SIMPSON STRONG-TIE AT (800) 999-5099 OR HILTI AT (866) 445-8827.

   A. CONCRETE ANCHORS:
      1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 3552 AND ICC-ES AC193 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
         a. SIMPSON STRONG-TIE "TITEN HD" (ICC-ES ESR-2713)
         b. SIMPSON STRONG-TIE "STRONG-BOLT" (ICC-ES ESR-1771) OR HILTI "KWIK BOLT TZ" (ICC-ES ESR-1917)
      2. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED ADHESIVE ANCHORS INCLUDE:
         a. SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508) OR HILTI "HIT-RE 500-SD" (ICC-ES ESR-2322)
   B. MASONRY ANCHORS:
      1. ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:
         a. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR AC106. PRE-APPROVED MECHANICAL ANCHORS INCLUDE:
            1. SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-1056) OR HILTI "HUS-H" (ICC-ES ESR-2369)
            2. SIMPSON STRONG-TIE "WEDGE-ALL" (ICC-ES ESR-1396) OR HILTI "KWIK BOLT 3" (ICC-ES ESR-1385)
         b. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED ADHESIVE ANCHORS INCLUDE:
            1. SIMPSON STRONG-TIE "SET" (ICC-ES ESR-1772) OR HILTI "HIT-HY 200" (ICC-ES ESR-2678
            2. SIMPSON STRONG-TIE "ACRYLIC-TIE" (ICC-ES ESR-5791 OR HILTI "HIT-HY 200 MAX" (ICC-ES ESR-1967)
   C. ANCHORAGE TO HOLLOW CONCRETE MASONRY/UNREINFORCED CLAY BRICK MASONRY:
      1. MECHANICAL ANCHORS FOR SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106. PRE-APPROVED SCREW ANCHORS INCLUDE: SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-1056) OR HILTI 1. "HUS-H" (ICC-ES ESR-2369)
      2. ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58. OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED ADHESIVE ANCHORS WITH SCREEN TUBES INCLUDE:
         a. SIMPSON STRONG-TIE "SET" (ICC-ES ESR-1772) OR HILTI "HIT-HY-70" (ICC-ES ESR-2659)
         b. SIMPSON STRONG-TIE "ACRYLIC-TIE" (ICC-ES ESR-5791)

6. PER IBC SECTION 1705, SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING ITEMS:
   A. CONCRETE:
      (1) DURING THE TAKING ON TEST SPECIMENS.
      (2) DURING THE PLACEMENT OF ALL REINFORCED CONCRETE.
   B. BOLTS IN CONCRETE:
      (1) DURING THE PLACEMENT OF CONCRETE AROUND BOLTS.
   C. REINFORCING STEEL (PERIODIC):
      (1) DURING THE PLACEMENT OF REINFORCING STEEL FOR ALL CONCRETE REQUIRED TO HAVE SPECIAL INSPECTION NOTED ABOVE.
   D. WELDING:
      (1) VISUAL INSPECTION OF ALL FIELD WELDS.
      (2) NON-DESTRUCTIVE TESTING OF ALL COMPLETE PENETRATION WELDS.
   E. HIGH STRENGTH BOLTING:
      (1) VERIFICATION OF SNUG TIGHT BOLT INSTALLATION FOR A325N BOLTS.
      (2) VERIFICATION OF SLIP CRITICAL (SC) BOLTS AT ALL BRACED FRAMES.
   F. EXPANSION AND EPOXY BOLTS:
      (1) DURING THE PLACEMENT OF ALL EXPANSION AND EPOXY BOLTS, FOR VISUAL VERIFICATION OF HOLE DIAMETER AND DEPTH AND PLACEMENT OF BOLT AND/OR EPOXY.
   G. STRUCTURAL MASONRY (PERIODIC):
      (1) DURING PREPARATION OF PRISMS.
      (2) DURING PLACEMENT OF REINFORCING AND GROUT.
      (3) CLEANOUTS PRIOR TO CLOSING.
   H. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
      (1) THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATION.
      (2) THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE ENGINEER OF RECORD.
   I. SPECIAL INSPECTOR IS TO BE HIRED BY OWNER, NOT CONTRACTOR.

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS / TESTING - "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM REQUESTING THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS REQUIRED BY SECTION 110 OF THE IBC.

2. REPORTING FOR SPECIAL INSPECTION -
   SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO: CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.

3. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.

IN ACCORDANCE WITH IBC CHAPTER 17, THE FOLLOWING TYPES OF WORK REQUIRE SPECIAL INSPECTIONS AND TESTING:

SPECIAL INSPECTION AND VERIFICATION OF MASONRY - LEVEL #1

SPECIAL INSPECTION REQUIRED Y/N	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION: CONTINUOUS DURING TASK LISTED	FREQUENCY OF INSPECTION: PERIODICALLY DURING TASK LISTED	REFERENCE FOR CRITERIA: IBC SECTION	REFERENCE FOR CRITERIA: ACI 530/ASCE 5/TMS 402	REFERENCE FOR CRITERIA: ACI 530.1/ASCE 6/TMS 602
	1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
Y	a. PROPORTIONS OF SITE-PREPARED MORTAR.	—	X	—	—	ART. 2.6A
Y	b. CONSTRUCTION OF MORTAR JOINTS.	—	X	—	—	ART. 3.3B
Y	c. LOCATION OF REINFORCEMENT AND CONNECTORS	—	X	—	—	ART. 3.4, 3.6A
	2. THE INSPECTION PROGRAM SHALL VERIFY:					
Y	a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	—	X	—	—	ART. 3.3G
N	b. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	—	X	—	SEC. 1.2.2(e), 2.1.4.3.1.6	—
Y	c. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT	—	X	—	SEC. 1.13	ART. 2.4, 3.4
N	d. WELDING OF REINFORCING BARS.	X	—	—	SEC. 2.1.10.7.2, 3.3.3.4(b)	—
Y	e. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)	—	X	SECTION 2104.3, 2104.4	—	ART. 1.8C, 1.8D
	3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
Y	a. GROUT SPACE IS CLEAN.	—	X	—	—	ART. 3.2D
Y	b. PLACEMENT OF REINFORCEMENT AND CONNECTORS	—	X	—	SEC. 1.13	ART. 3.4
Y	c. PROPORTIONS OF SITE-PREPARED GROUT	—	X	—	—	ART. 2.6B
Y	d. CONSTRUCTION OF MORTAR JOINTS.	—	X	—	—	ART. 3.3B
Y	e. INSPECTION OF REINFORCING BAR LAPS.	—	X	—	—	—
Y	4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.	X	—	—	—	ART. 3.5
Y	5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	X	—	SECTION 2105.2.2, 2105.3	—	ART. 1.4
Y	6. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	—	X	—	—	ART. 1.5
	7. HIGH LIFT GROUTING:					
Y	a. GROUT PLACEMENT.	X	—	—	—	—
Y	b. CELL PERIMETER TO INSURE EXCESS GROUT HAS BEEN REMOVED FROM INSIDE OF CELLS.	—	X	—	—	—

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AG MOD PHASE 3: NEALE HALL DEMO

Progress Set

3198 South Espina St.
Las Cruces, New Mexico 88001

MARCH 14, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	
DRAWN BY:	KV
CHECKED BY:	MJW

SHEET TITLE

GENERAL STRUCTURAL NOTES & SPECIAL INSPECTIONS

S-001

School Information

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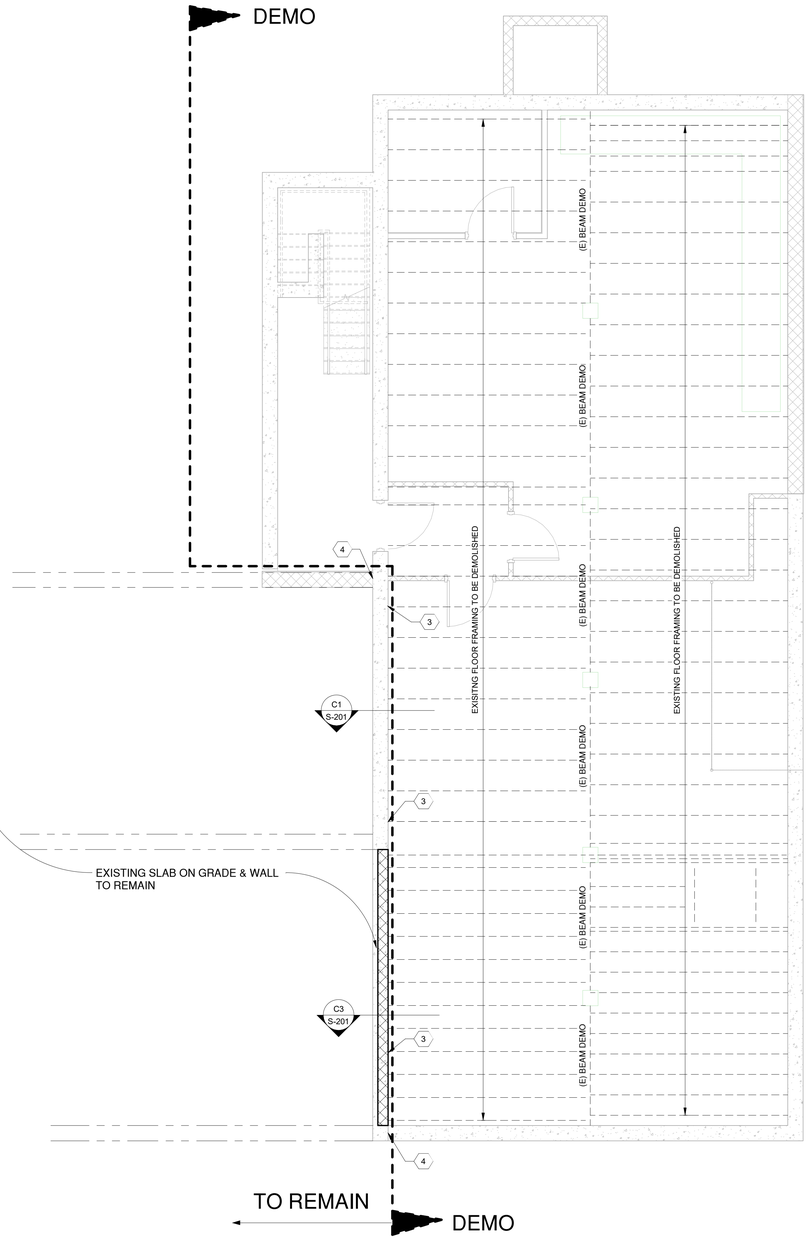
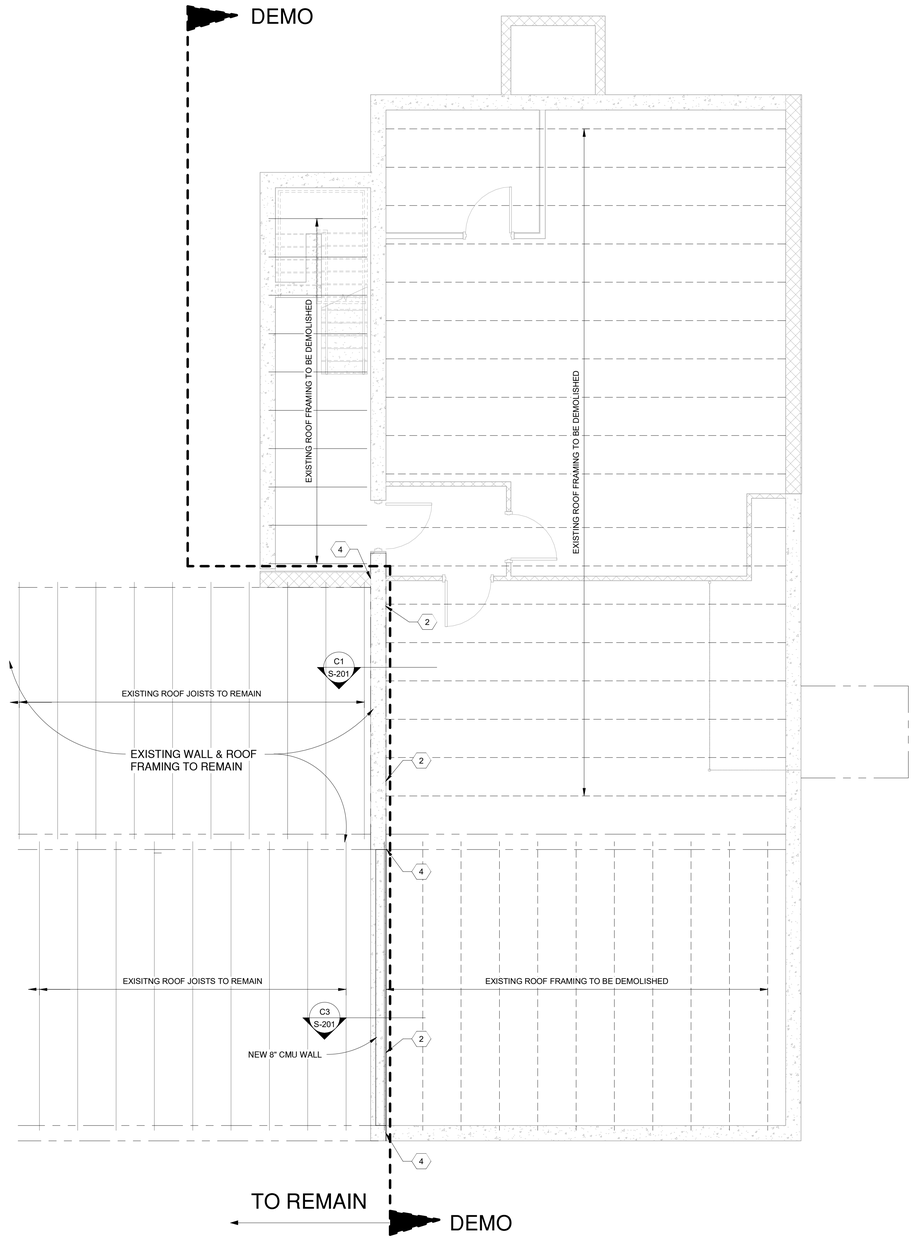


PLAN NORTH — A1 EXISTING FOUNDATION AND BASEMENT FLOOR FRAMING PLAN
1/4" = 1'-0"



PLAN NORTH — A4 EXISTING ROOF FRAMING PLAN
1/4" = 1'-0"

DEMOLITION / PROCEDURE NOTES

1. INSTALL TEMPORAY POST SHORES IN THE EXISTING BASEMENT PRIOR TO DEMOLITION OPERATIONS.
2. SAWCUT ROOF JOISTS AND DECK AT EXISTING WALL TO REMAIN PRIOR TO REMOVAL OF THE EXISTING ROOF.
3. SAWCUT MAIN LEVEL FLOOR SLAB AND FLOOR JOISTS AT REMAINING WALL SURFACE PRIOR TO REMOVAL.
4. SAWCUT UPPER AND LOWER LEVEL INTERSECTING WALLS AT THE SURFACE OF THE WALL TO REMAIN PRIOR TO REMOVAL.
5. SAWCUT AND REMOVE BASEMENT SLAB UP TO TEMPORARY BRACES AND BASEMENT WALLS.
6. BEGIN BACKFILL OPERATIONS TO BRING SITE TO GRADE. CONTRACTOR SHALL PROVIDE BACKFILL PLAN THAT DESCRIBES RE,OVAL OF TEMPORARY BRACES AND REMAINING BASEMENT SLAB ON GRADE WHILE PREVENTING DEFLECTION OF REMAINING BASEMENT WALL.

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SHEET TITLE

FOUNDATION & BASEMENT FLOOR FRAMING & ROOF FRAMING PLANS

S-101

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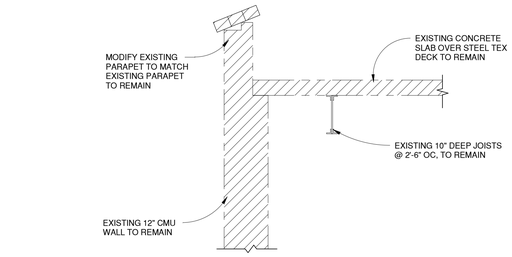
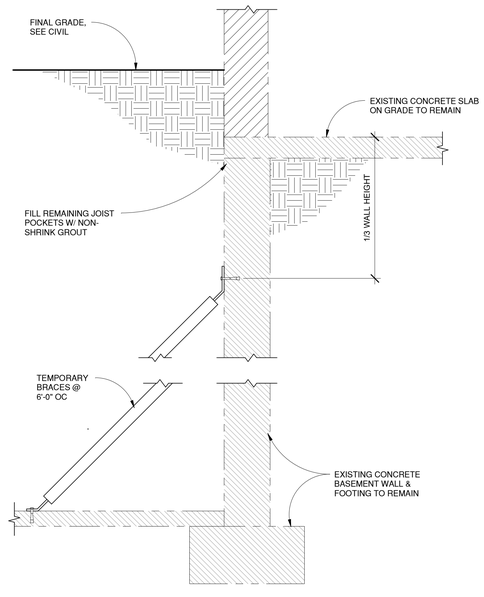
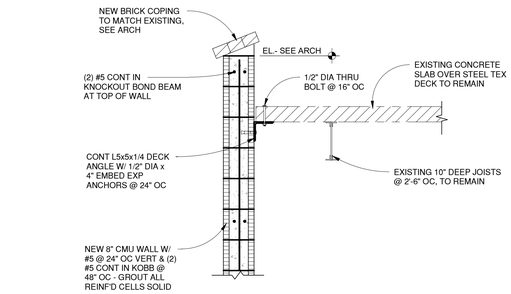
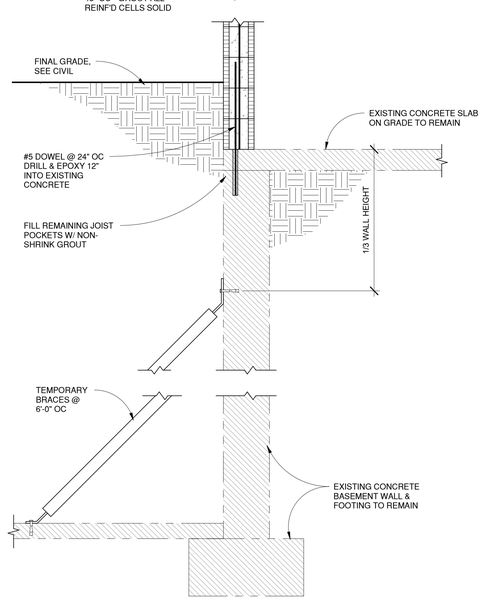




C1 SECTION
3/4" = 1'-0"





C3 SECTION
3/4" = 1'-0"

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SECTIONS

S-201

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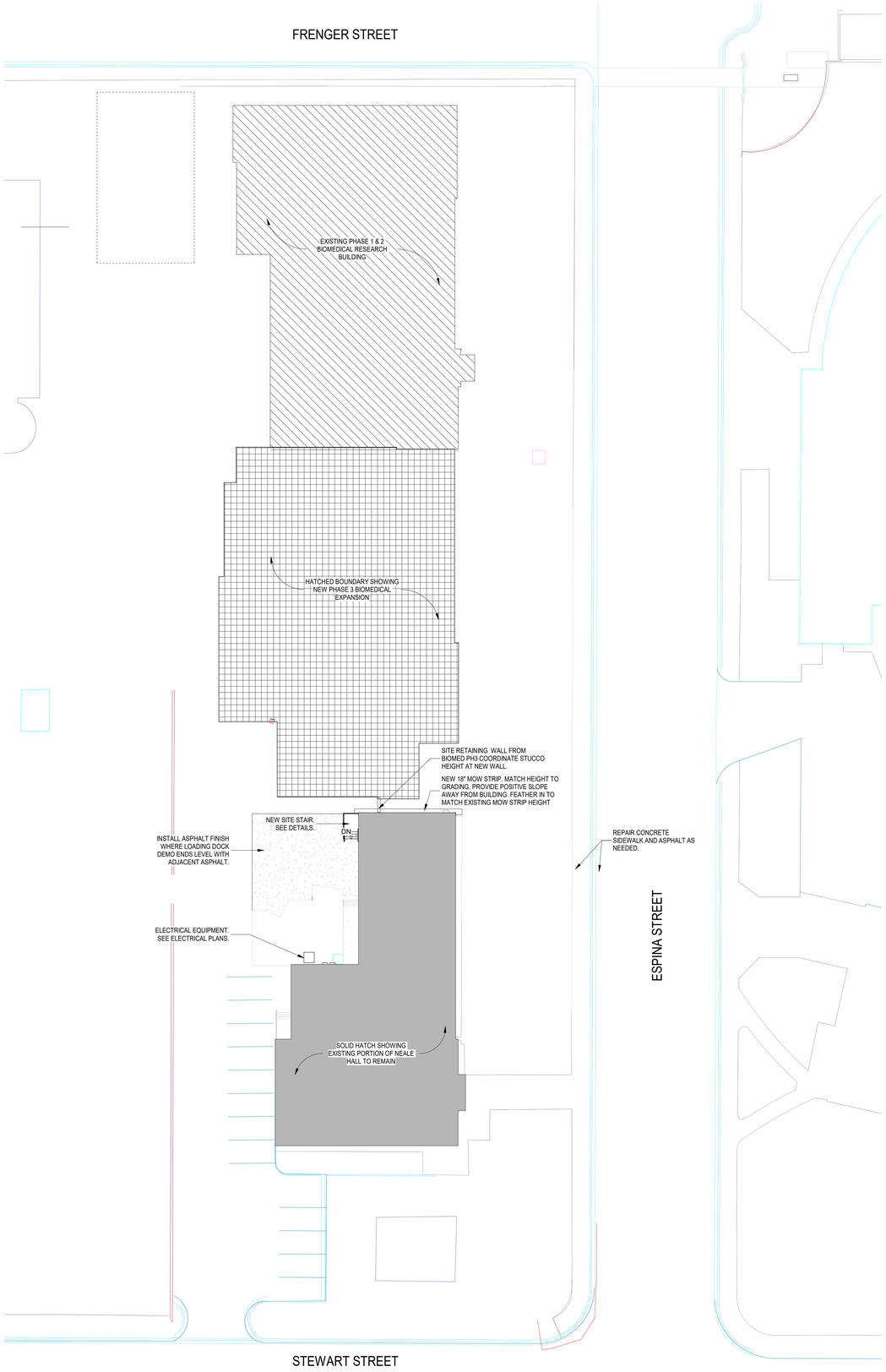

A1 OVERALL SITE PLAN
1" = 20'-0"

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SITE PLAN

AS-101

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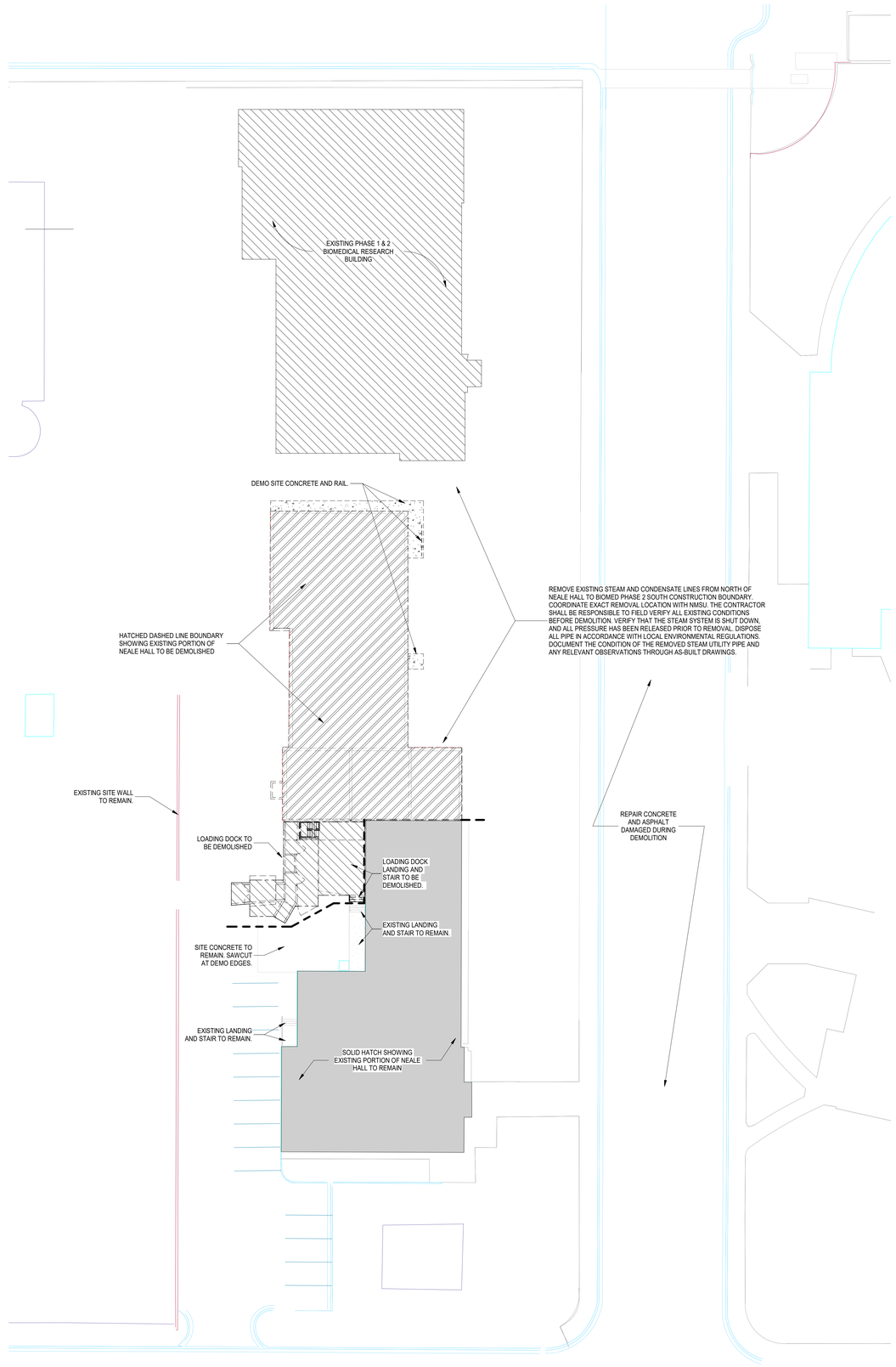

A1 OVERALL SITE DEMO PLAN
1" = 20'-0"

STRUCTURAL DEMO NOTES

A. INSTALL TEMPORARY POST SHORES IN THE EXISTING BASEMENT PRIOR TO DEMOLITION OPERATIONS.
B. SAWCUT ROOF JOISTS AND DECK AT EXISTING WALL TO REMAIN PRIOR TO REMOVAL OF THE EXISTING ROOF.
C. SAWCUT MAIN LEVEL FLOOR SLAB AND FLOOR JOISTS AT REMAINING WALL SURFACE PRIOR TO REMOVAL.
D. SAWCUT UPPER AND LOWER LEVEL INTERSECTING WALLS AT THE SURFACE OF THE WALL TO REMAIN PRIOR TO REMOVAL.
E. SAWCUT AND REMOVE BASEMENT SLAB UP TO TEMPORARY BRACES AND BASEMENT WALLS.
F. BEGIN BACKFILL OPERATIONS TO BRING SITE TO GRADE. CONTRACTOR SHALL PROVIDE BACKFILL PLAN THAT DESCRIBES REMOVAL OF TEMPORARY BRACES AND REMAINING BASEMENT SLAB ON GRADE WHILE PREVENTING DEFLECTION OF REMAINING BASEMENT WALL.

GENERAL NOTES

A. CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PROTECT EXISTING FLOOR, WALL, CEILING FINISHES, AND EXISTING EQUIPMENT SCHEDULED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL PREVENT THE ACCUMULATION OF DUST AND CONSTRUCTION DEBRIS. PROVIDE SECURE SEALS USING PLASTIC SHEETS OR OTHER SUITABLE BARRIERS TO PROTECT FINISHES AND EQUIPMENT. ANY DAMAGE TO SUCH ITEMS SHALL BE REPAIRED OR THE ITEM REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. CONTRACTOR TO PROVIDE DOCUMENTATION AND INVENTORY OF ITEMS TO REMAIN/FINISH STATE PRIOR TO START OF DEMOLITION WORK.
B. HOUSEKEEPING: THE CONTRACTOR SHALL WORK NEATLY. MAINTAINING ENTIRE EXISTING ARE TO BE REMODELED OR TO REMAIN SECURE AT ALL TIMES UNTIL COMPLETION OF NEW WORK. CONTRACTOR SHALL PROVIDE DAILY CLEANUP IN DEMOLITION AREA TO PREVENT DUST BUILD-UP AND THE ACCUMULATION OF CONSTRUCTION DEBRIS.
C. CONTRACTOR SHALL COORDINATE ALL ASSOCIATED PLUMBING, MECHANICAL, AND ELECTRICAL DEMOLITION FOR THE PROJECT. SEE PLUMBING/MECHANICAL/ELECTRICAL DEMOLITION DRAWING.
D. THIS DRAWING INDICATES THE INTENT OF DEMOLITION AT THE EXISTING BUILDING. THE CONTRACTOR IS ADVISED TO VISIT THE JOB SITE TO BECOME FAMILIAR WITH THE SCOPE OF WORK PRIOR TO BIDDING.
E. THE CONTRACTOR SHALL CAREFULLY EXECUTE DEMOLITION/REMOVAL WORK IDENTIFIED HEREIN AND PERFORM ALL DEMOLITION ON THE SHORTEST TIME POSSIBLE. DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE IMMEDIATELY, AND DISPOSED OF LEGALLY.
F. UTILITIES. LOCATE ALL EXISTING ACTIVE UTILITIES AND DETERMINE ALL REQUIREMENTS FOR DISCONNECTION, RECONNECTION, REROUTING OR CAPPING. CONTRACTOR SHALL PROTECT ALL UTILITIES DESIGNATED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL NOTIFY AND COORDINATE ANY UTILITY INTERRUPTIONS WITH OWNER A MINIMUM OF 10 DAYS IN ADVANCE.
G. AT LOAD BEARING WALL DEMOLITION: BRACE STRUCTURE AS REQUIRED. COORDINATE WITH STRUCTURAL.
H. MAINTAIN STRUCTURAL INTEGRITY OF EXISTING WALLS DURING DEMOLITION AND RENOVATION.
I. ALL DEMOLITION DRAWINGS INDICATE THE GENERAL SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH AND REMOVE ALL EXISTING BUILDING ELEMENTS REQUIRED TO COMPLETE WORK.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY AND WEATHERTIGHTNESS OF EXISTING BUILDING AFTER ANY PARTIAL DEMOLITION. TEMPORARY DOOR, CANOPIES, FENCING, ETC. TO BE INCLUDED.

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DEMO SITE PLAN

ASD-101

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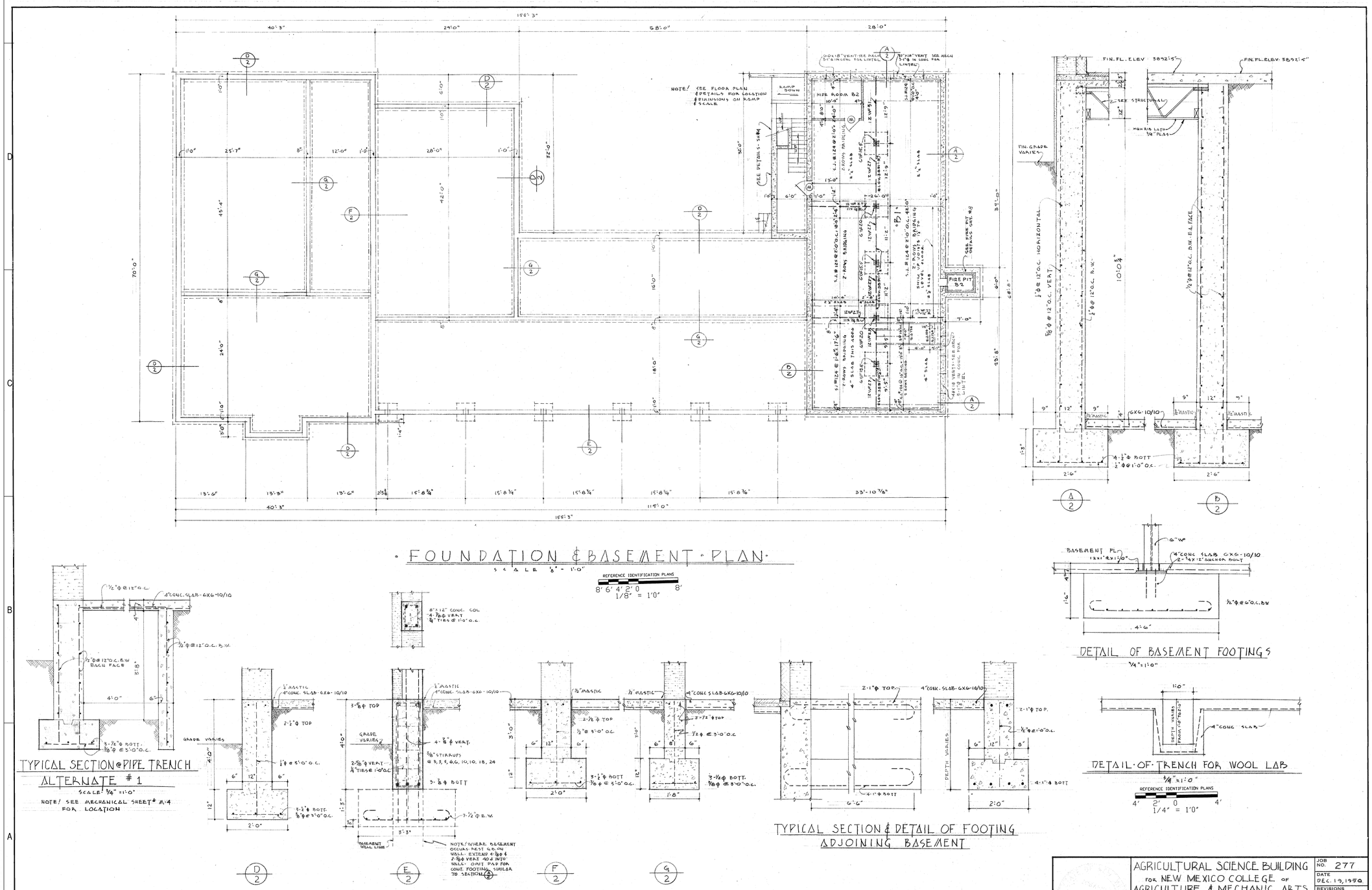

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STATE COLLEGE, NEW MEXICO

SCHAEFER & MERRELL ARCHITECTS
CLOVIS NEW MEXICO

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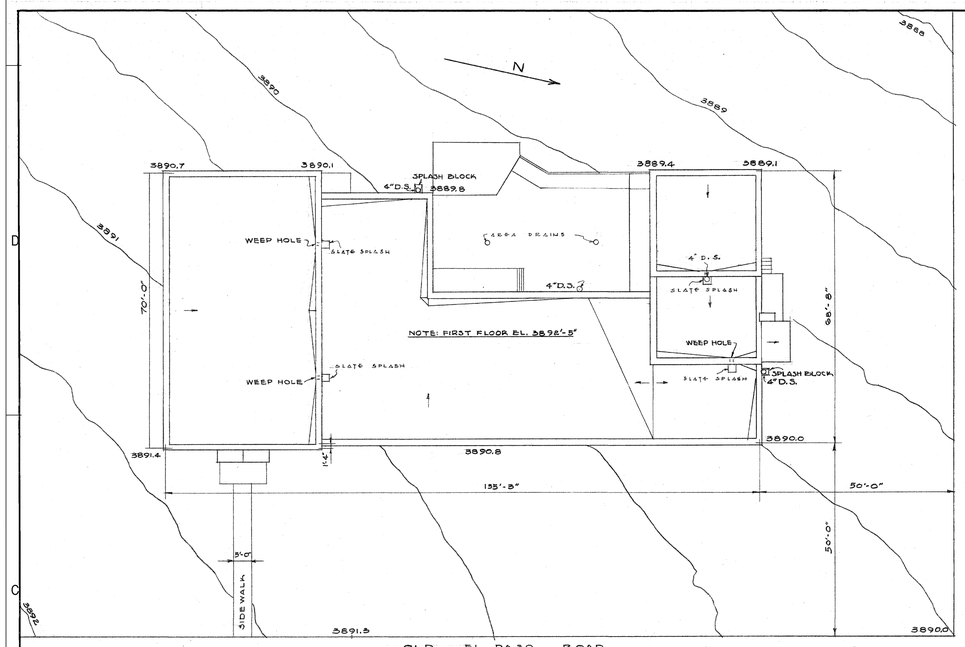
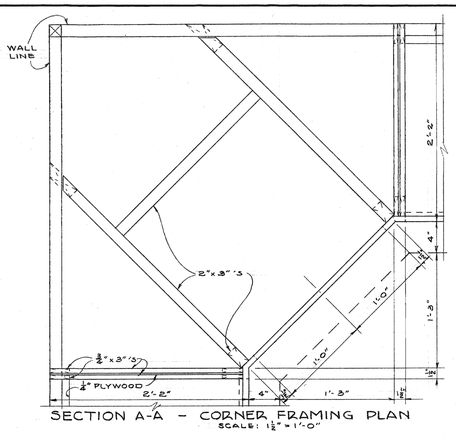
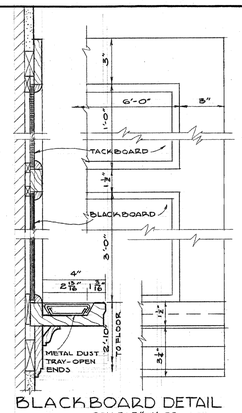


ROOF & PLOT PLAN
SCALE: 1/16"=1'-0"



SECTION A-A - CORNER FRAMING PLAN
SCALE: 1 1/2" = 1'-0"



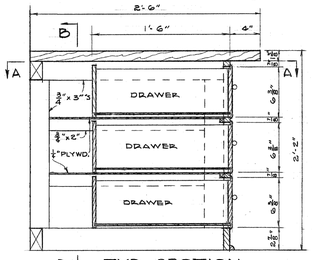
BLACKBOARD DETAIL
SCALE: 3"=1'-0"

KEY TO MATERIALS

EARTH	WOOD FINISH
CONCRETE	WOOD ROUGH
MASONRY BLOCK	WOOD BLOCK
STONE	MARBLE
BRICK	BAT INSULATION
TILE	RIGID INSULATION
TILE	METAL
CORK	METAL
SOLID PLASTER PART	PLASTER
GYPSUM BLOCK	FIBRE BOARD

ABBREVIATIONS

GI	GALVANIZED IRON	℄	CENTER LINE
PLAS	PLASTER	COL	COLUMN
CLG	CEILING	CEM	CEMENT
P & H	PLUMBING & HEATING	CONC	CONCRETE
ASB CEM	ASBESTOS CEMENT	PL	PLATE
B/U	BUILT-UP TAR & GRAVEL ROOF	NO.	NUMBER
M T P	METAL TOILET PARTITION	GR	GRADE
M T	METAL THRESHOLD	M O	MASONRY OPENING
MAR T	MARBLE THRESHOLD	CO	COURSE
SPEC	SPECIFICATIONS	F L	FLOOR LINE
WP	WATERPROOFING	EL	ELEVATION
W I	WROUGHT IRON	SECT	SECTION
C I	CAST IRON	DET	DETAIL
H M	HOLLOW METAL	FIN	FINISH
SB	SPLASHBLOCK	WD	WOOD
S S	SERVICE SINK	CAP	CAPACITY
TEL	TELEPHONE	DN	DOWN
RAD	RADIATOR	F D	FLOOR DRAIN
W C	WATER CLOSET	DS	DOWNSPOUT
UR	URINAL	F H C	FIRE HOSE CABINET
LAV	LAVATORY	P B	PHONE BOOTH
S R	STUDENT ROOM	M C	MEDICINE CABINET
N I C	NOT IN CONTRACT	ELEV	ELEVATOR
BR	BRICK	D F	DRINKING FOUNTAIN
BLDG	BUILDING	PR	PRESENT
C G S F T	CLEAR GLAZED STRUCTURAL FACING TILE		
U G S F T	UNGLAZED STRUCTURAL FACING TILE		
S G S F T	SALT GLAZED STRUCTURAL FACING TILE		
CER G S F T	CERAMIC GLAZED STRUCTURAL FACING TILE		



B' TYP. SECTION
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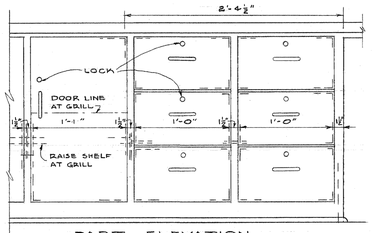

PART. ELEVATION
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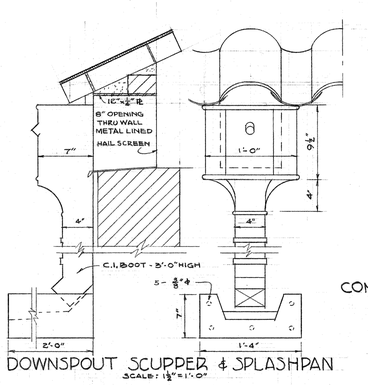
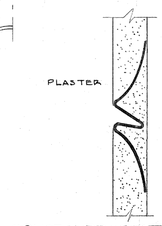
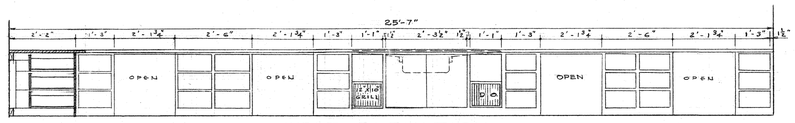


DOWNSPOUT SCUPPER & SPLASHPAN
SCALE: 1 1/2" = 1'-0"



CONCEALED PICTURE MOULDING
SCALE: FULL SIZE



WEST ELEVATION
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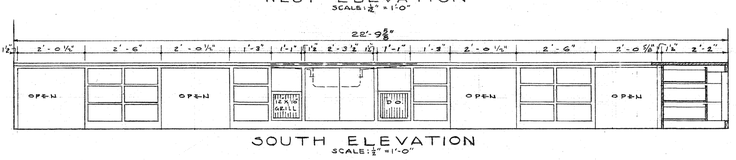

SOUTH ELEVATION
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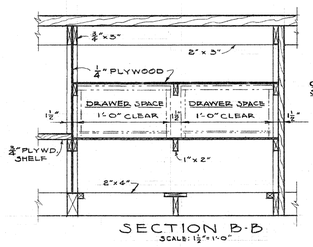
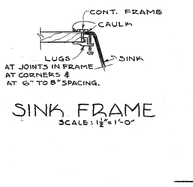


CHAIR SPACE

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



SINK FRAME
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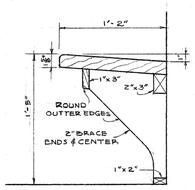
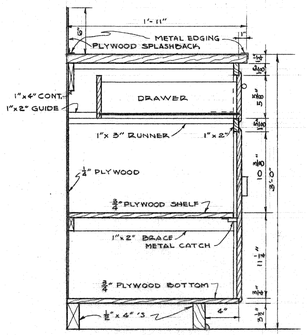


SHOWER ROOM BENCH
SCALE: 1 1/2" = 1'-0"

LABORATORY CABINET DETAILS



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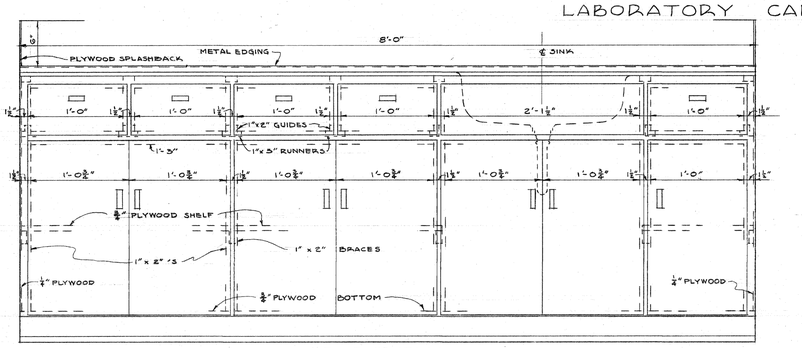

ELEVATION

DARK ROOM SINK & COUNTER CABINET
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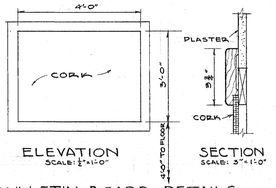
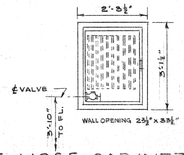


ELEVATION
SCALE: 1/2"=1'-0"

SECTION
SCALE: 3"=1'-0"

BULLETIN BOARD DETAILS



FIRE HOSE CABINET
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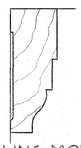

F.S. CEILING MOLD

ROOF & PLOT PLAN
CABINET WORK

I-3

INDEX OF DRAWINGS

AGRICULTURAL SCIENCE BUILDING
FOR NEW MEXICO COLLEGE OF AGRICULTURE & MECHANIC ARTS
STATE COLLEGE, NEW MEXICO

JOB NO. 277
DATE DEC. 19, 1950
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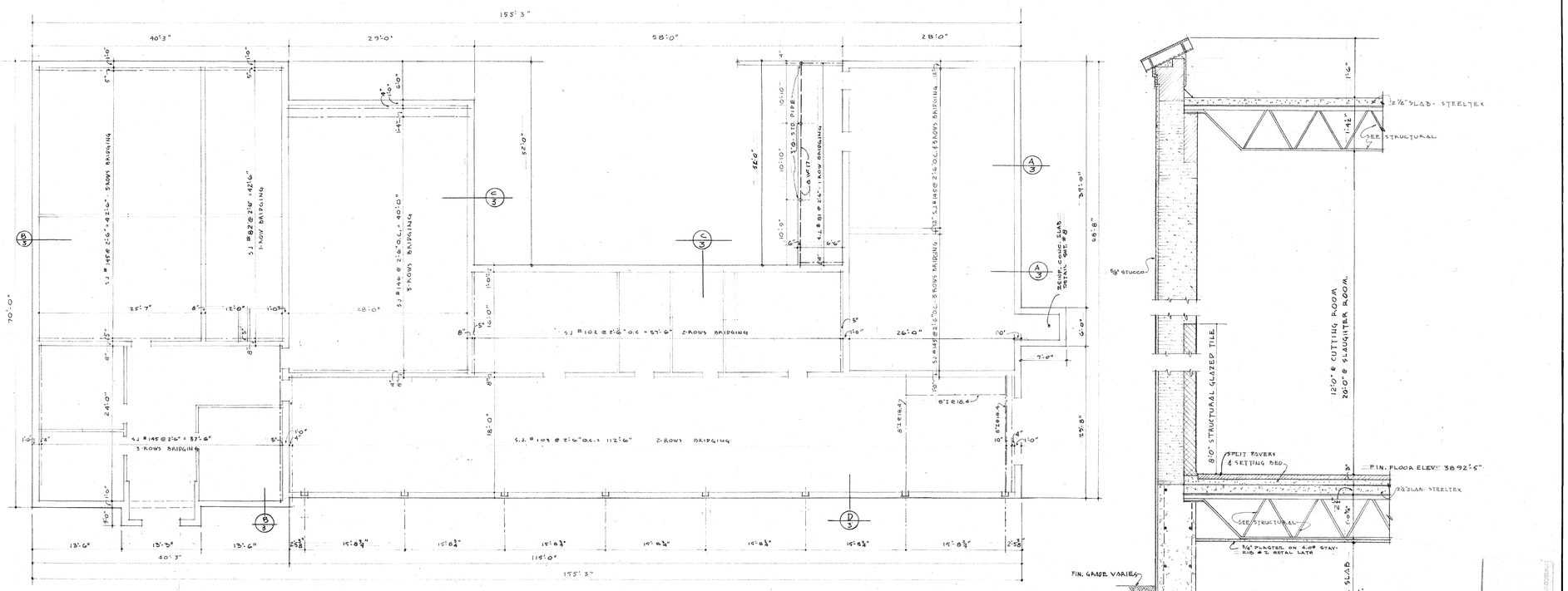


ROOF FRAMING PLAN

SCALE 1/8" = 1'-0"

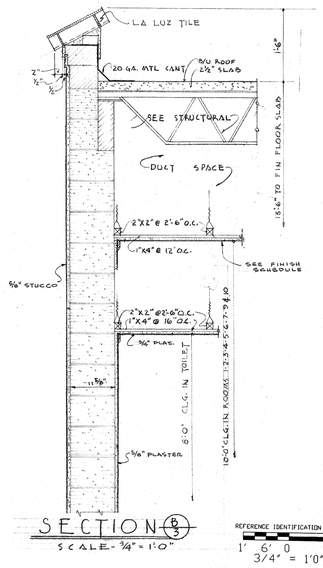
REFERENCE IDENTIFICATION PLANS

8' 6' 4' 2' 0 8'

1/8" = 1'-0"

SECTION A/3

SCALE: ¾"=1'-0"



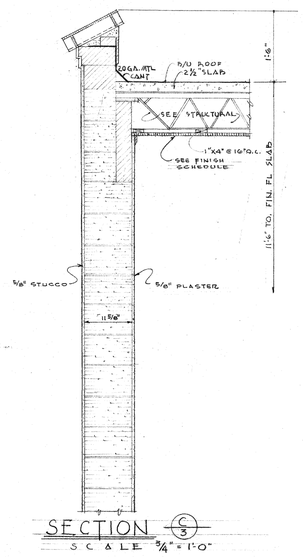
SECTION B/3

SCALE- ¾"=1'-0"

REFERENCE IDENTIFICATION PLANS

1' 6' 0 1'

3/4" = 1'-0"



SECTION C/3

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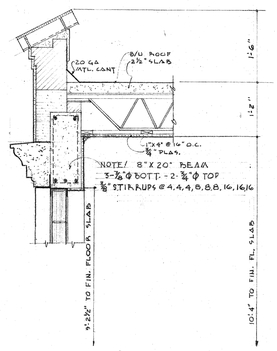

SECTION B/3

LINTEL SCHEDULE

E	3-3½ X 3½ X ¼ ∠
F	1-12 WF 27 & 11 X ¼ PL
G	1-14 WF 30 & 11 X ¼ PL
H	1-8 WF 17 & 11 X ¼ PL
J	1-8 @ 11.5 & L FRAME
K	1 8 WF 17 & 11 X ¼ PL
L	3-5½ X 3½ X ¼ ∠
M	10 WF 21 & 11 X ¼ PL

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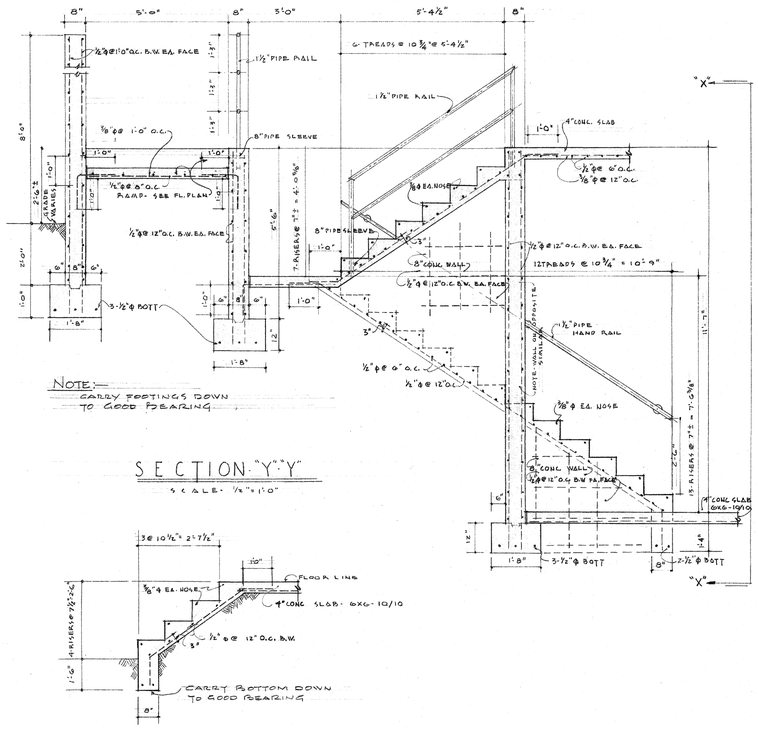

I-3

AGRICULTURAL SCIENCE BUILDING FOR NEW MEXICO COLLEGE OF AGRICULTURE & MECHANIC ARTS STATE COLLEGE, NEW MEXICO	JOB NO. 277
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AE-103

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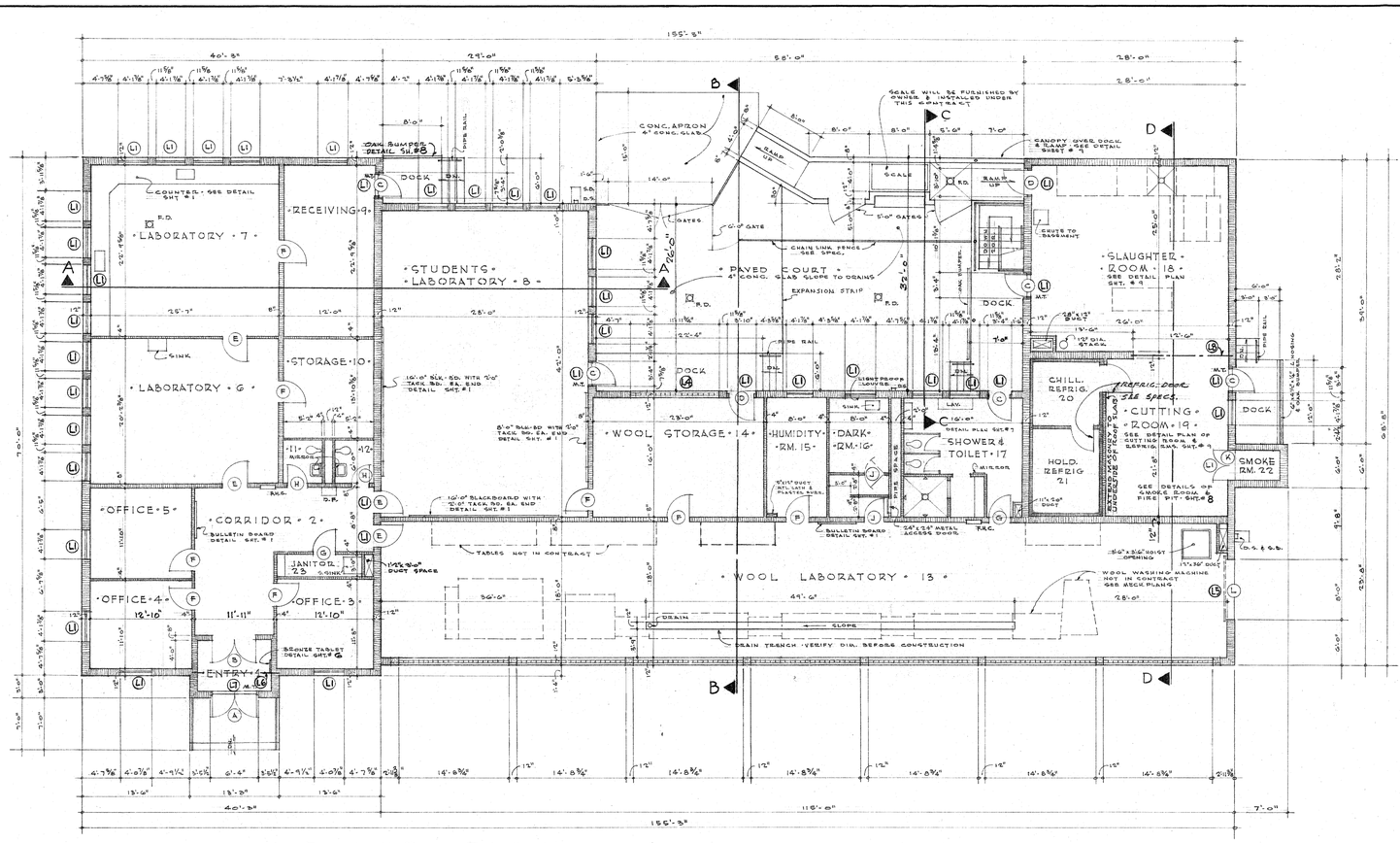
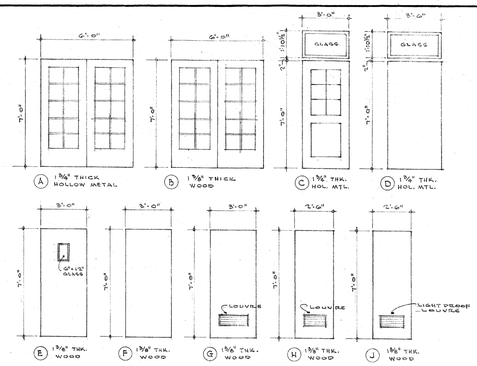
3/14/2024 5:00:01 PM

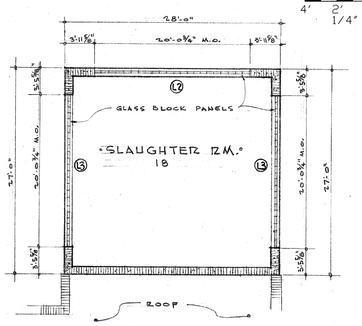


FLOOR PLAN
SCALE 1/8" = 1'-0"



DOOR SCHEDULE
SCALE 1/8" = 1'-0"

REFERENCE IDENTIFICATION PLANS
4' 2' 0 4'
1/4" = 1'0"

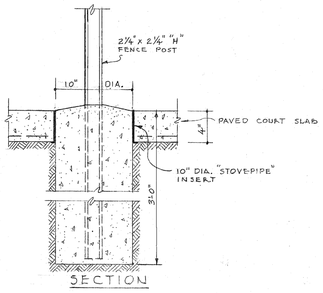


CLEAR-STORY PLAN - SLAUGHTER ROOM
SCALE 1/8" = 1'-0"

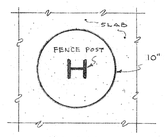
REFERENCE IDENTIFICATION PLANS
8' 6' 4' 2' 0 8'
1/8" = 1'0"

ROOM FINISH SCHEDULE

RM.NO.	NAME	FLOOR	BASE	WAINSCOT	WALL	FINISH	PIC. MOLD	CEILING	FINISH	MOLD	REMARKS
1	ENTRY	QUARRY TILE	QUARRY TILE	–	PLASTER	PAINT	–	COMPO. BOARD	–	WOOD	
2	CORRIDOR	ASPHALT TILE	ASPHALT TILE	–	DO	DO	–	DO	–	DO	
3,4,5	OFFICES	DO	DO	–	DO	DO	CONCEALED METAL	DO	–	DO	
6,7,8	LABORATORIES	DO	DO	–	DO	DO	DO	DO	–	DO	
9	RECEIVING	DO	DO	–	DO	DO	–	PLASTER	PAINT	DO	
10	STORAGE	DO	DO	–	DO	DO	–	DO	DO	DO	
11,12	TOILETS	DO	DO	–	CEMENT PLASTER	DO	–	DO	DO	DO	
13	WOOL LAB.	CEMENT	STRUC. GLAZ. TILE COVE	STRUC. GLAZ. TILE TO 9'-0"	PLASTER	DO	–	DO	DO	DO	
14	WOOL STOR.	DO	CEMENT	–	DO	DO	–	DO	DO	DO	
15	HUMIDITY	DO	DO	–	DO	DO	–	DO	DO	DO	
16	DARK ROOM	DO	DO	–	DO	DO	–	DO	DO	DO	
17	SHOWER & TOILET	CERAMIC TILE	STRUC. GLAZ. TILE COVE	STRUC. GLAZ.	CEMENT PLASTER	DO	–	CEMENT PLASTER	DO	DO	
18	SLAUGHTER RM.	SPLIT PAVING BRICK	DO	STRUC. GLAZ. TILE TO 9'-0"	EXPOSED MASONRY	DO	–	EXPOSED	DO	–	
19	CUTTING ROOM	DO	DO	DO	DO	DO	–	DO	DO	–	
20,21	CHILL. & HOLD REFRIG'S.	CEMENT	CEMENT	–	CEMENT PLASTER	DO	–	CEMENT PLASTER	DO	–	SEE DETAILS
22	SMOKE ROOM	DO	–	–	EXPOSED MASONRY	DO	–	EXPOSED CONC.	–	–	
23	JANITOR'S CLO.	DO	CEMENT	–	PLASTER	DO	–	PLASTER	–	–	SEE DETAIL SHT. # 4
B-1	BASEMENT	CEMENT	–	–	EXPOSED CONC.	–	–	PLASTER	–	–	
B-2	HIDE ROOM	DO	–	–	EXPOSED MASONRY	–	–	DO	–	–	
B3	FIRE PIT	FIRE BRICK	–	–	FIRE BRICK	–	–	–	–	–	SEE DETAIL SHT. # 7



SECTION



PLAN

WOVEN WIRE FENCE POST FOOTING DETAIL
SCALE: 1½" = 1'-0"

REFERENCE IDENTIFICATION PLANS
1' 0 1'
1-1/2" = 1'0"

FLOOR PLAN

I-3

STATE OF NEW MEXICO
SCHAEFER & MERRELL
ARCHITECTS
REGISTERED ARCHITECT

AGRICULTURAL SCIENCE BUILDING
FOR NEW MEXICO COLLEGE OF AGRICULTURE & MECHANIC ARTS
STATE COLLEGE, NEW MEXICO

SCHAEFER & MERRELL
ARCHITECTS
CLOVIS NEW MEXICO

JOB NO. 277
DATE DEC. 19, 1950
REVISIONS
DRAWN WMM
CHECKED PLL
SHEET NO. 5 OF 9

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NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 12, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
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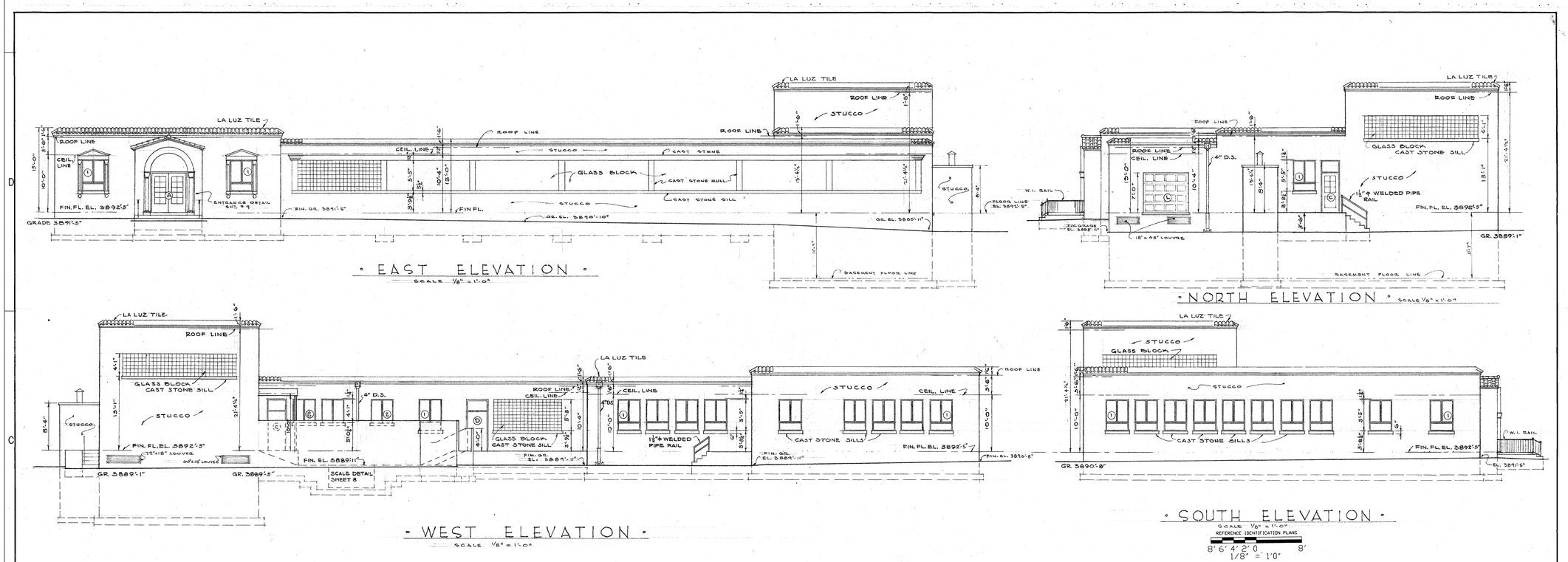
CHECKED BY:	Checker

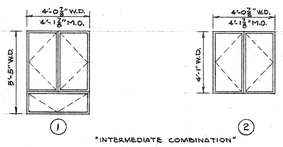
SHEET TITLE
EXISTING PLANS

AE-104

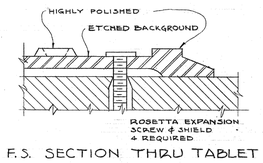
School Information

3/14/2024 5:00:02 PM





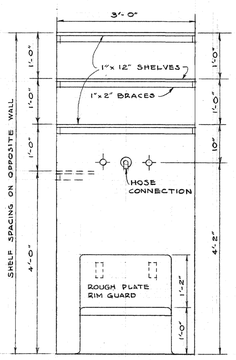
WINDOW SCHEDULE



F.S. SECTION THRU TABLET

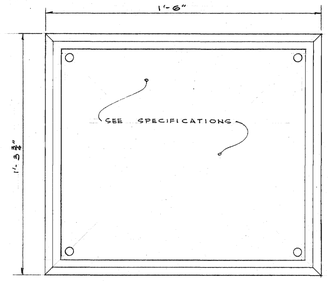
LO BR HD PRE

F.S. LETTER DETAILS



JANITOR'S CLOSET

SCALE: 3/4"=1'-0" REFERENCE IDENTIFICATION PLANS
1' 6' 0 1'
3/4" = 1'0"



• DETAILS - BRONZE TABLET •

ELEVATIONS & WINDOW SCHEDULE

AGRICULTURAL SCIENCE BUILDING	JOB NO. 277
FOR NEW MEXICO COLLEGE OF AGRICULTURE & MECHANIC ARTS	DATE DEC. 19, 1950
STATE COLLEGE, NEW MEXICO	REVISIONS
SCHAEFER & MERRELL ARCHITECTS CLOVIS NEW MEXICO	DRAWN W.C.H. SHEET NO. 6 CHECKED P.L.L. OF 9

I3

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AE-105

School information

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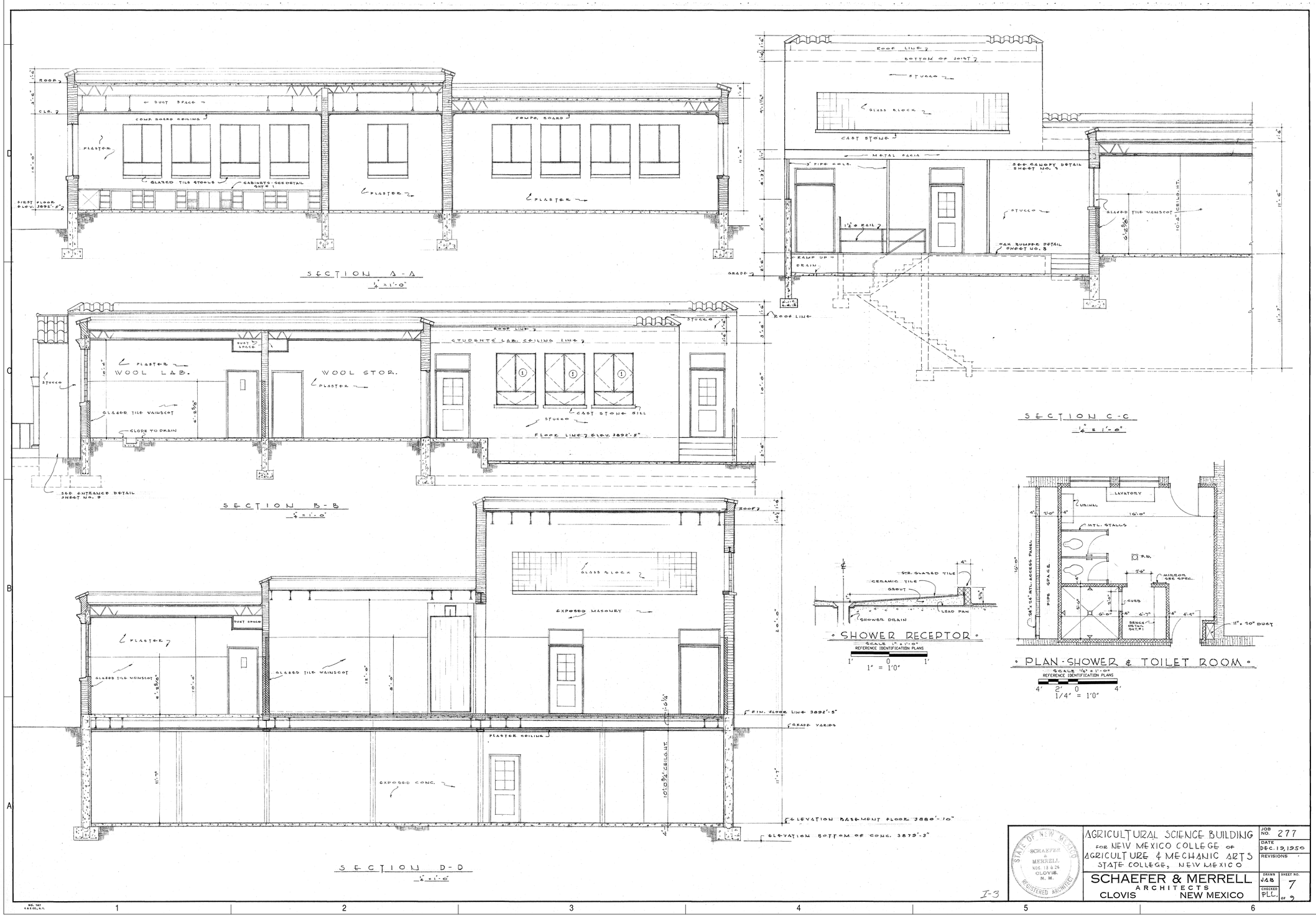

I-3

SCHAEFER & MERRELL ARCHITECTS NOS. 13 & 26 CLOVIS, N. M. REGISTERED ARCHITECT

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FOR NEW MEXICO COLLEGE OF AGRICULTURE & MECHANIC ARTS
STATE COLLEGE, NEW MEXICO

SCHAEFER & MERRELL
ARCHITECTS
CLOVIS NEW MEXICO

JOB NO.	277
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DRAWN	V.A.B.
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EXISTING PLANS

AE-106

School Information

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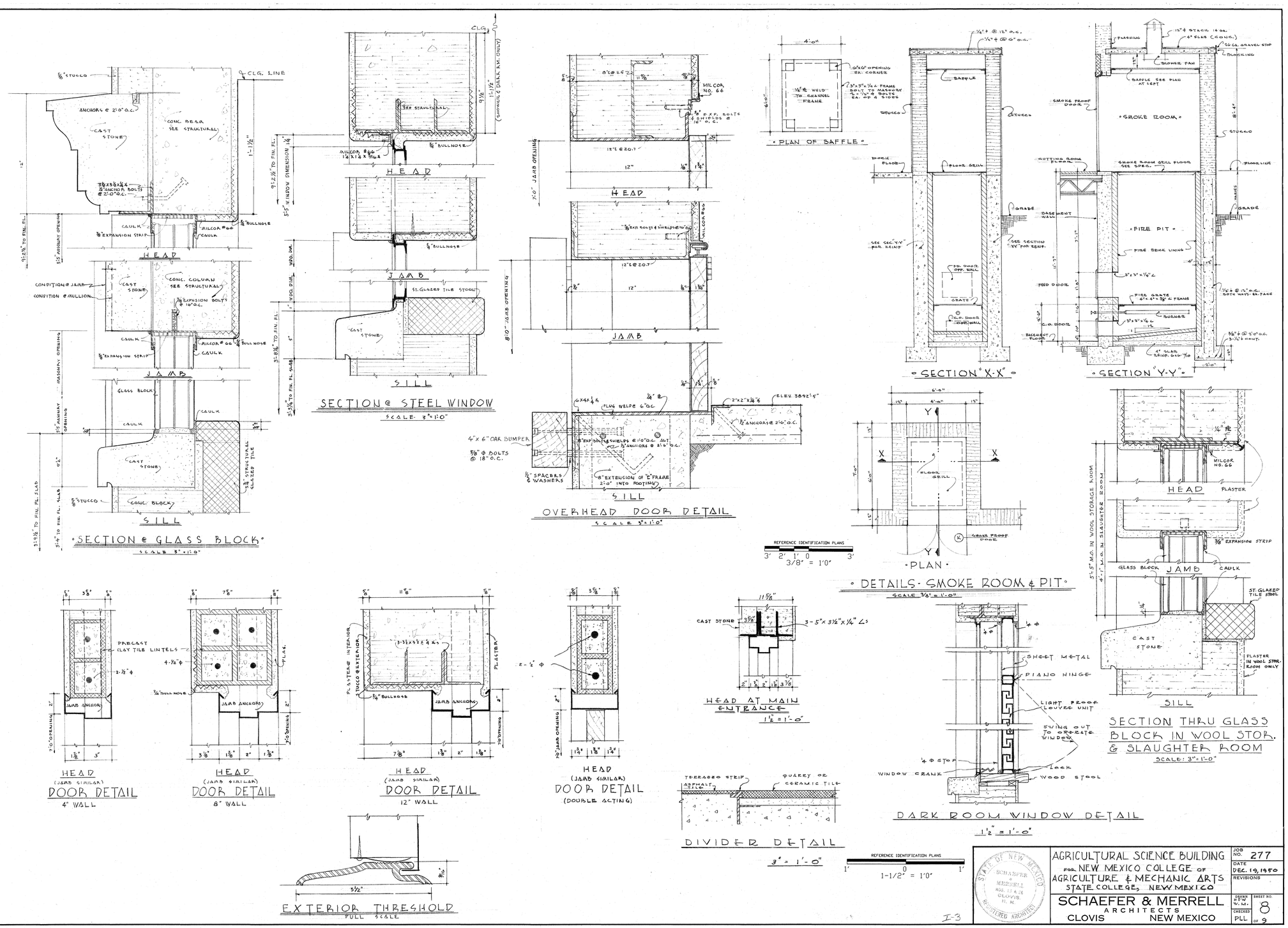

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EXISTING PLANS

AE-107

School Information

AGRICULTURAL SCIENCE BUILDING
FOR NEW MEXICO COLLEGE OF AGRICULTURE & MECHANIC ARTS
STATE COLLEGE, NEW MEXICO

SCHAEFER & MERRELL ARCHITECTS
CLOVIS NEW MEXICO

JOB NO. 277
DATE DEC. 19, 1950
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I-3

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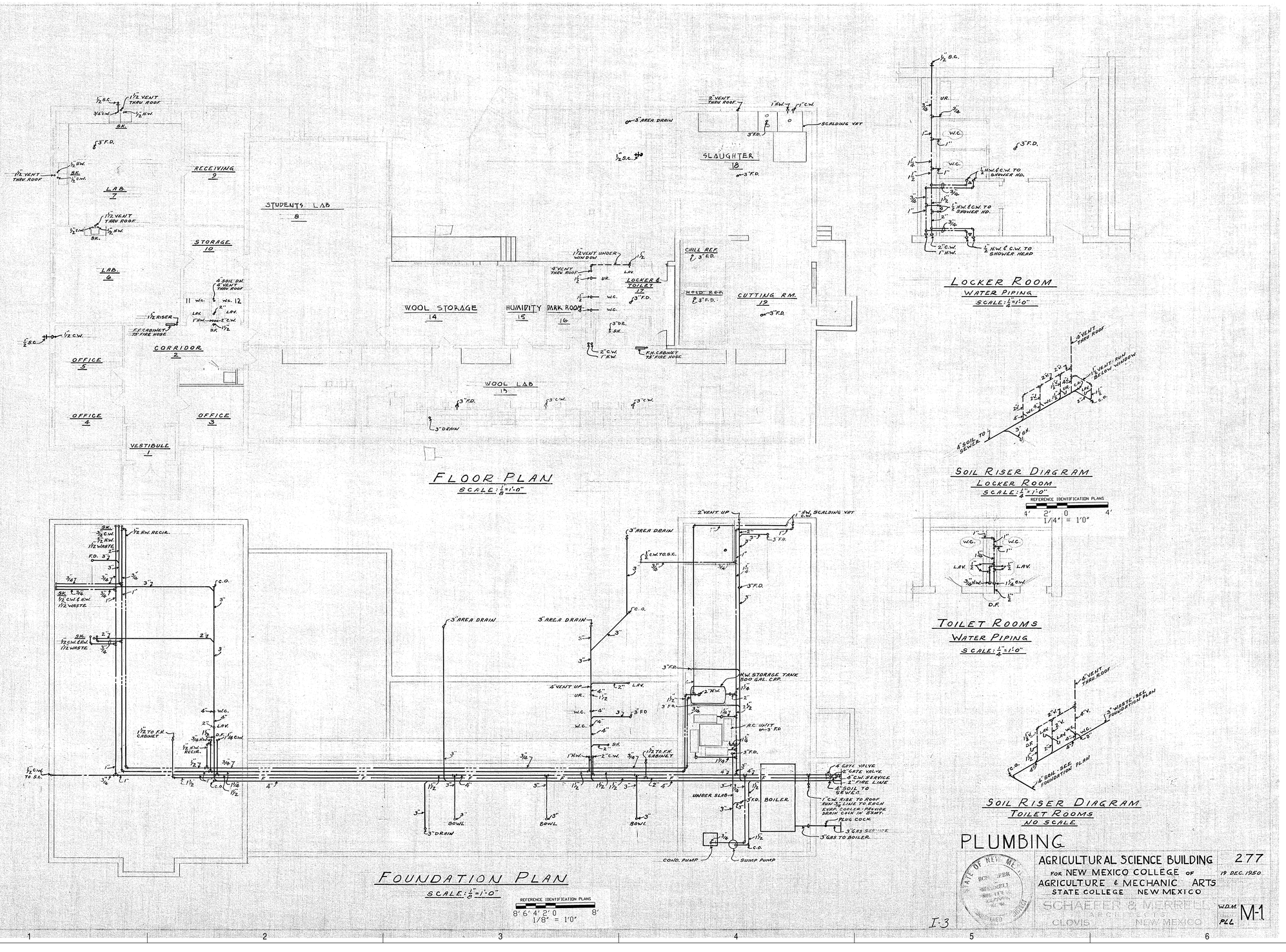

FLOOR PLAN
SCALE: 1/8"=1'-0"

LOCKER ROOM
WATER PIPING
SCALE: 1/4"=1'-0"

SOIL RISER DIAGRAM
LOCKER ROOM
SCALE: 1/4"=1'-0"

REFERENCE IDENTIFICATION PLANS
4' 2' 0 4'
1/4" = 1'0"

TOILET ROOMS
WATER PIPING
SCALE: 1/4"=1'-0"

SOIL RISER DIAGRAM
TOILET ROOMS
NO SCALE

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

REFERENCE IDENTIFICATION PLANS
8' 6' 4' 2' 0 8'
1/8" = 1'0"

PLUMBING

AGRICULTURAL SCIENCE BUILDING 277
FOR NEW MEXICO COLLEGE OF AGRICULTURE & MECHANIC ARTS
STATE COLLEGE NEW MEXICO
19 DEC. 1950

SCHAEFER & MERRELL ARCHITECTS
CLOVIS NEW MEXICO

W.D.M. PLL M-1

I-3

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EXISTING PLANS

AE-108

School Information

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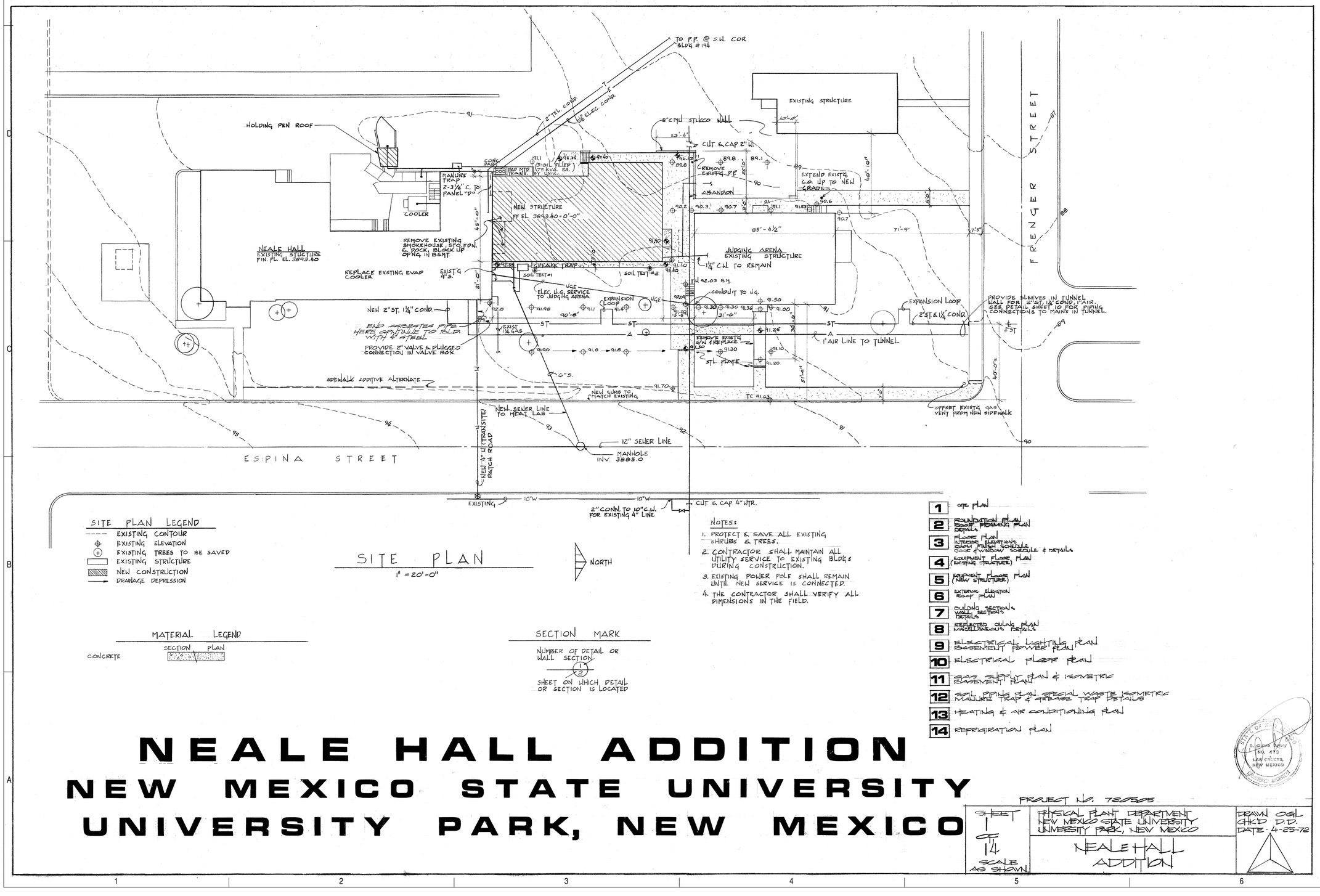

SITE PLAN LEGEND

- EXISTING CONTOUR
- EXISTING ELEVATION
- EXISTING TREES TO BE SAVED
- EXISTING STRUCTURE
- NEW CONSTRUCTION
- DRAINAGE DEPRESSION

SITE PLAN

1" = 20'-0"

NORTH

NOTES:

1. PROTECT & SAVE ALL EXISTING SHRUBS & TREES.
2. CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICE TO EXISTING BLDGS DURING CONSTRUCTION.
3. EXISTING POWER POLE SHALL REMAIN UNTIL NEW SERVICE IS CONNECTED.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

MATERIAL LEGEND

	SECTION	PLAN
CONCRETE		

SECTION MARK

NUMBER OF DETAIL OR WALL SECTION

1/2

SHEET ON WHICH DETAIL OR SECTION IS LOCATED

NEALE HALL ADDITION
NEW MEXICO STATE UNIVERSITY
UNIVERSITY PARK, NEW MEXICO

PROJECT NO. 720505

SHEET 1 OF 14 SCALE AS SHOWN	PHYSICAL PLANT DEPARTMENT NEW MEXICO STATE UNIVERSITY UNIVERSITY PARK, NEW MEXICO NEALE HALL ADDITION	DRAWN CGL CHK'D D.D. DATE · 4-25-72

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EXISTING PLANS

AE-109

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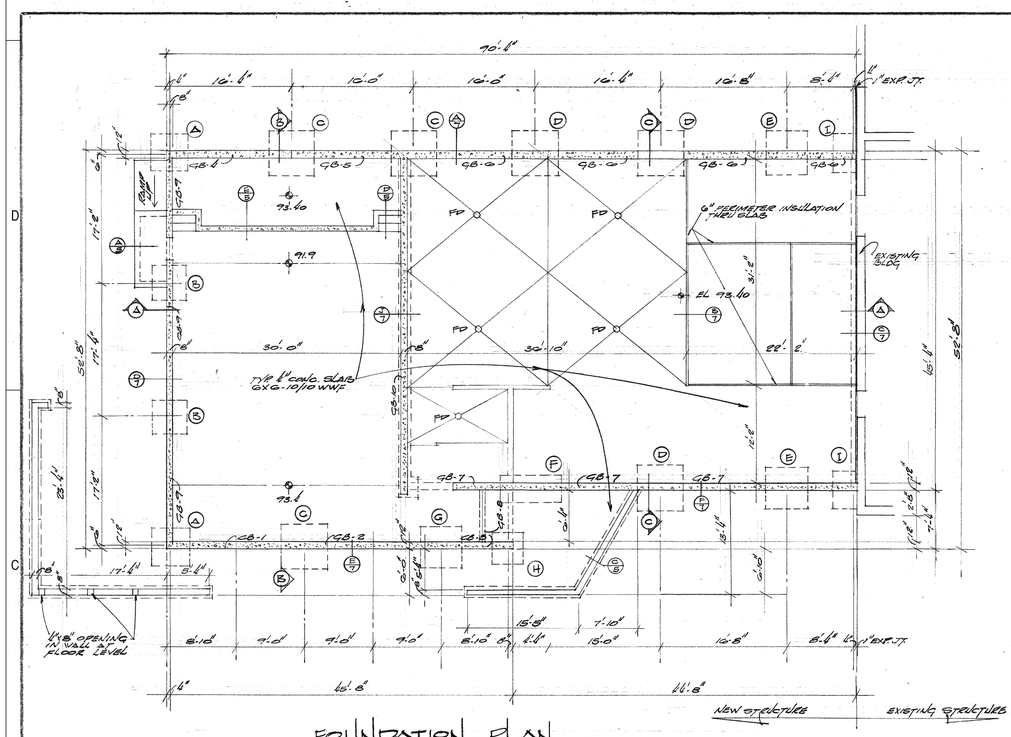
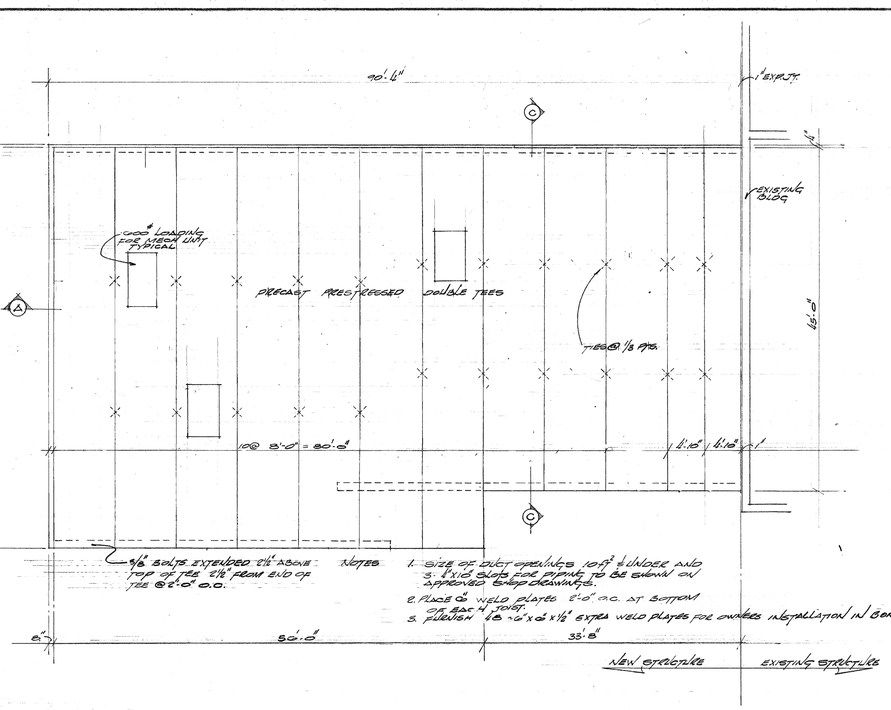
School Information



FOUNDATION PLAN

1/8"=1'-0"



ROOF FRAMING PLAN

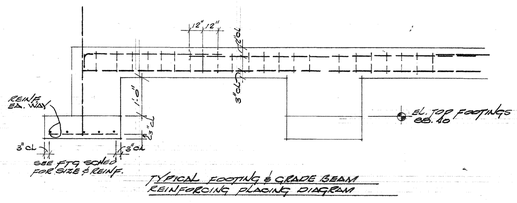
1/8"=1'-0"

REFERENCE IDENTIFICATION PLANS

8' 6' 4' 2' 0 8'

1/8" = 1'0"

FOOTINGS		CONCRETE GRADE BEAMS					
				REINFORCING			
MARK	FOOTING SIZE & REINF. E.W.	MARK	SIZE	BOTTOM	TOP	STIRRUPS	REMARKS
(A)	5'-0"x5'-0"x1'-8" 6-#6	GB-1	12"x48"	3-#8	2-#6	#3@12" O.C.	SEE TECH. SECTIONS ON SHT. 7 FOR THE END METAL CONFIGURATION AND BALANCE OF BEAM REINFORCING
(B)	4'-0"x4'-0"x1'-8" 5-#5	GB-2	12"x48"	3-#8	2-#6	#3@12" O.C.	
(C)	10'-0"x10'-0"x1'-8" 8-#6	GB-3	12"x48"	3-#8	2-#6	#3@12" O.C.	
(D)	12'-0"x12'-0"x1'-8" 8-#6	GB-4	12"x48"	3-#8	2-#6	#3@12" O.C.	DO
(E)	5'-0"x5'-0"x1'-8" 5-#5	GB-5	12"x48"	3-#8	2-#6	#3@12" O.C.	DO
(F)	8'-0"x8'-0"x1'-8" 6-#6 L=4'-0" LONG, 10-#6 CHAIRS	GB-6	12"x48"	3-#8	2-#6	#3@12" O.C.	DO
(G)	5'-0"x8'-0"x1'-8" 5-#5	GB-7	12"x48"	3-#8	2-#6	#3@12" O.C.	DO
(H)	4'-0"x4'-0"x1'-8" 5-#5	GB-8	12"x12"	2-#5	2-#5	#3@6" O.C.	DO
(I)	5'-0"x5'-0"x1'-8" 5-#5 L=4'-0" LONG, 6-#6 CHAIRS	GB-9	8"x48"	2-#5	2-#5	#3@12" O.C.	DO
(J)	NONE	GB-10	8"x48"	2-#5	2-#5	#3@12" O.C.	DO
(K)							



TYPICAL FOOTING & GRADE BEAM REINFORCING PLACING DIAGRAM

STATE OF NEW MEXICO
C. Darcy Dorsey
NO. 428
LAS CRUCES, NEW MEXICO
REGISTERED ARCHITECT

SHEET	PHYSICAL PLANT DEPARTMENT NEW MEXICO STATE UNIVERSITY UNIVERSITY PARK, NEW MEXICO	DRAWN RSW CHKD D.D. DATE: 4-25-72
2 OF 14	NEALE HALL ADDITION	
SCALE AS SHOWN		

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ARCHITECT

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

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Las Cruces, NM 88001

MARCH 12, 2024

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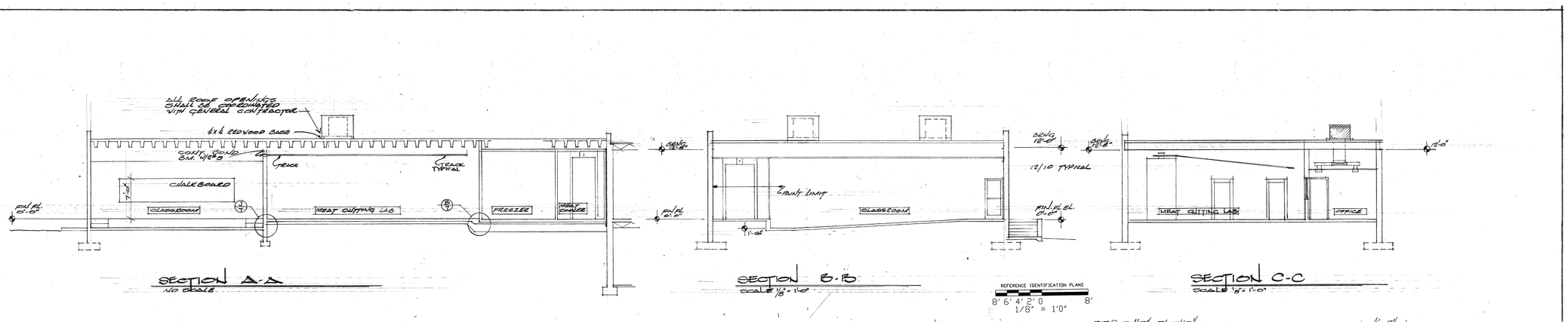
SHEET TITLE

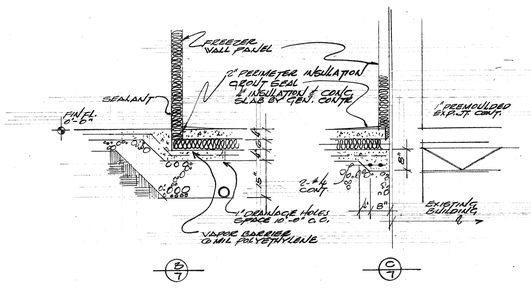
EXISTING PLANS

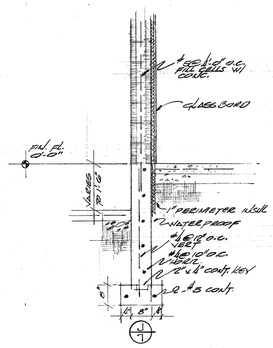
AE-110

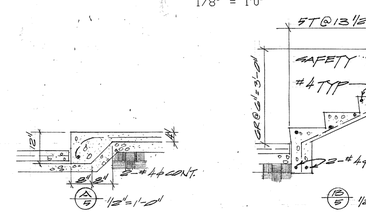
3/14/2024 5:00:06 PM

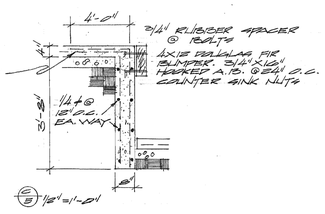
School Information

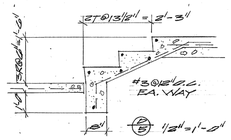


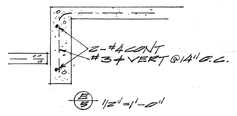


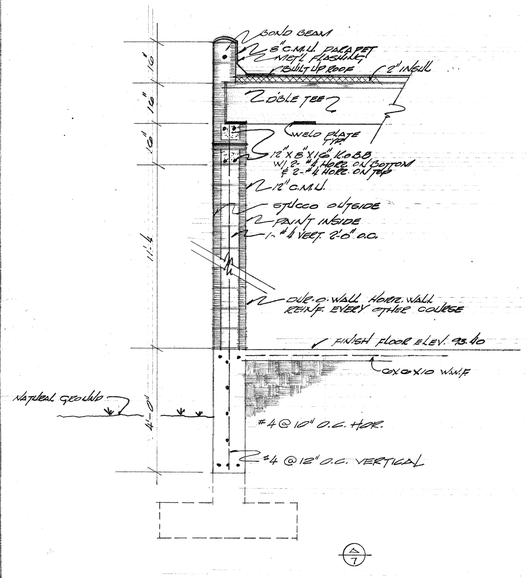


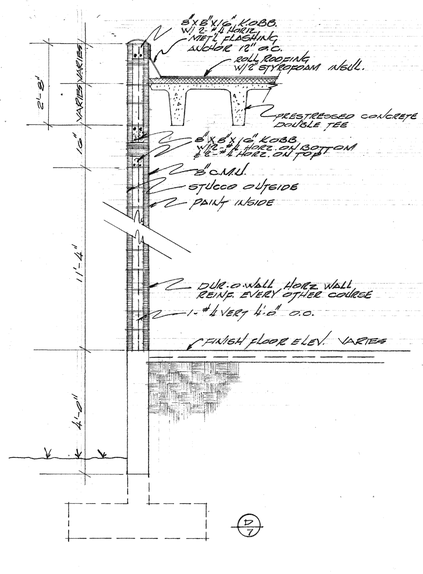


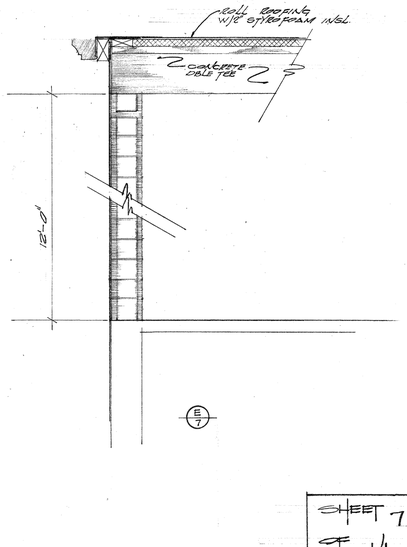


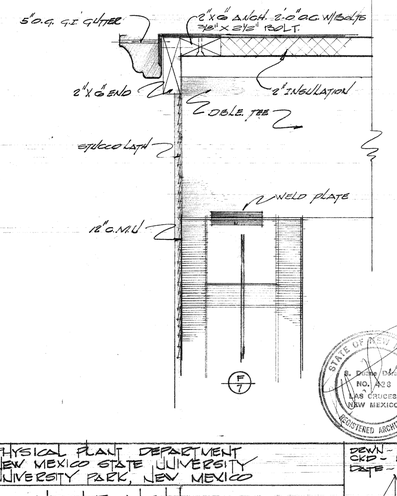












SHEET 7 OF 14	PHYSICAL PLANT DEPARTMENT NEW MEXICO STATE UNIVERSITY UNIVERSITY PARK, NEW MEXICO NEALE HALL ADDITION
SCALE: AS SHOWN	DRWN - SW CKD - RHP DATE - 2-25-72

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ARCHITECT

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 12, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	773B
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SHEET TITLE

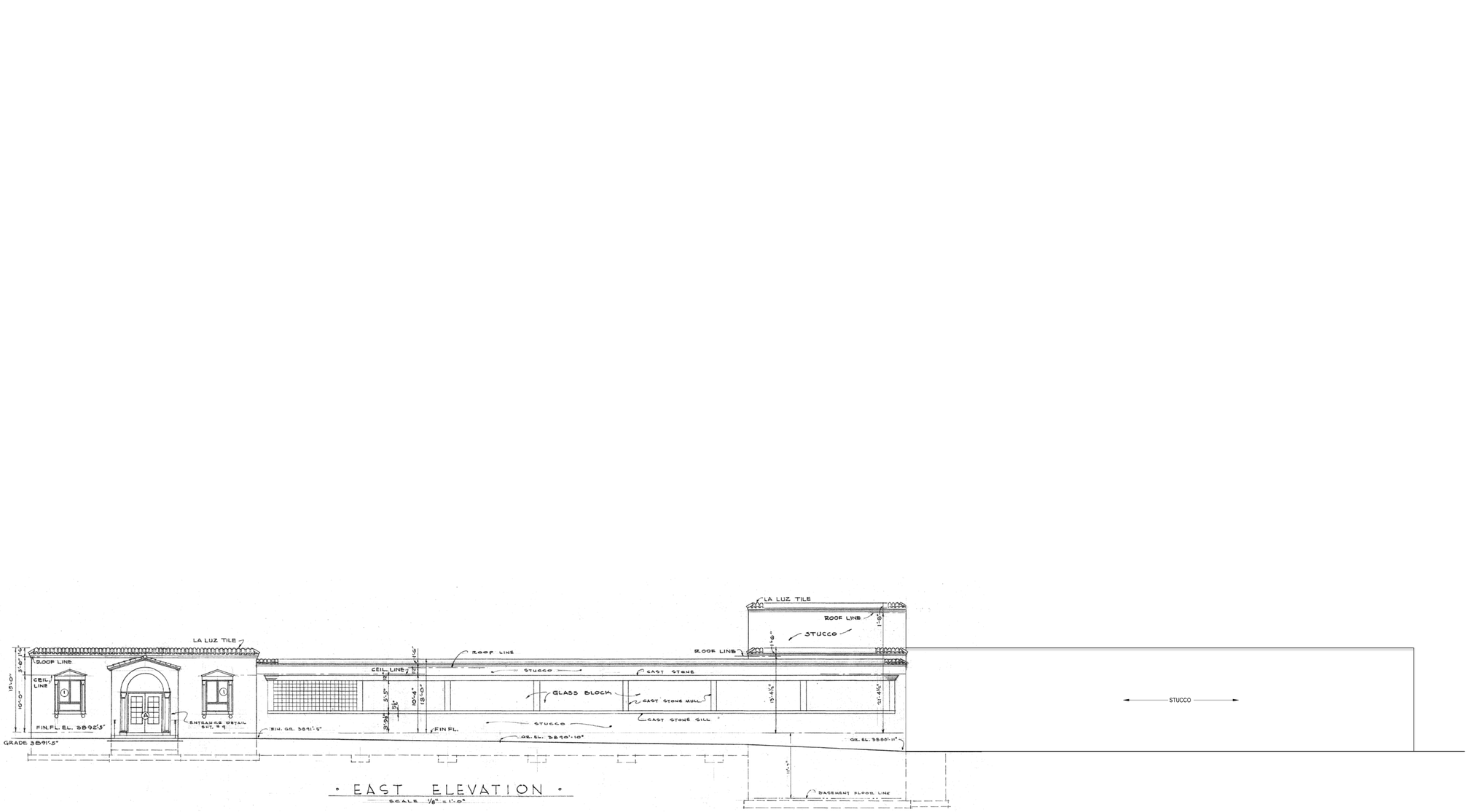
EXISTING PLANS

AE-111

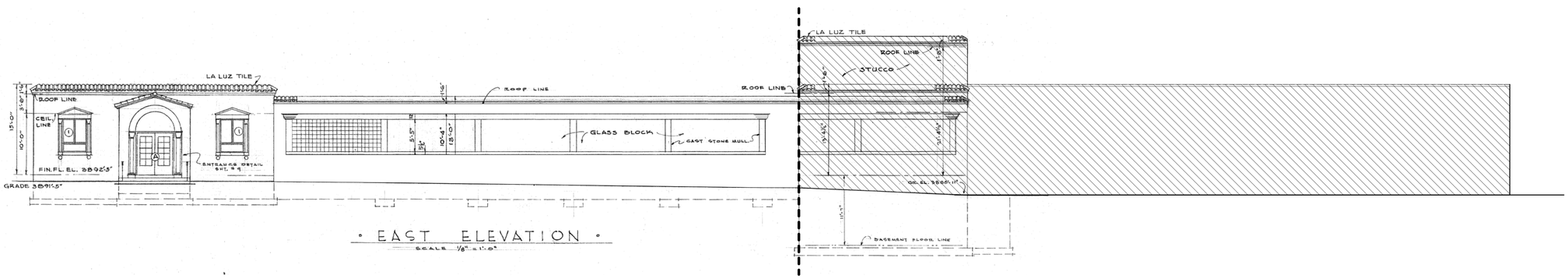
3/14/2024 5:00:07 PM

School Information

AG MOD PHASE 3: NEALE HALL DEMO



B1 EAST ELEVATION - EXISTING
1/8" = 1'-0"



A1 EAST ELEVATION - NEW
1/8" = 1'-0"

3/14/2024 5:00:07 PM

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ARCHITECT

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 12, 2024

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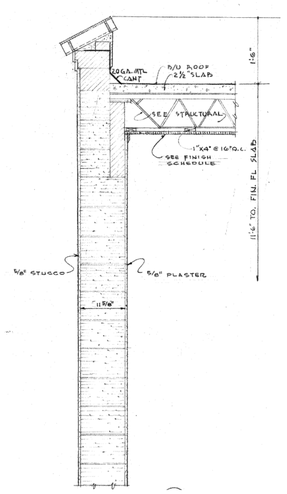
CHECKED BY:	Checker

SHEET TITLE

EXISTING ELEVATIONS

AE-201

School Information



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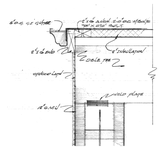

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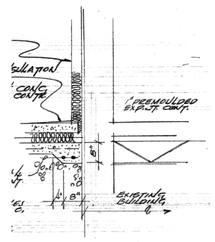
3/4" = 1'-0"



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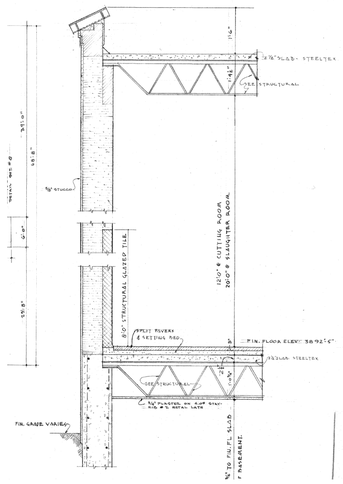
1/2" = 1'-0"



8 FRAMING SECTION A3
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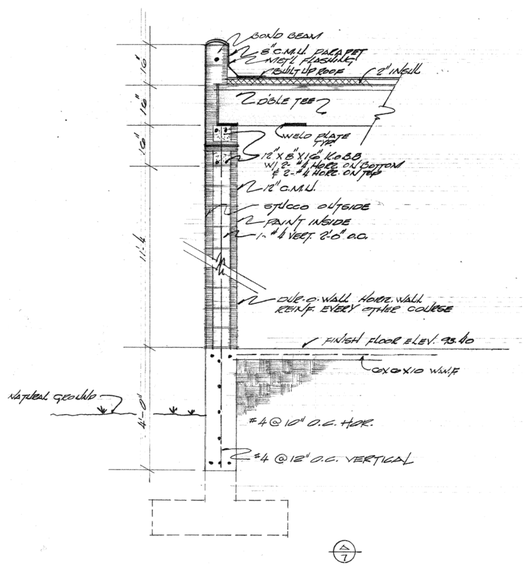

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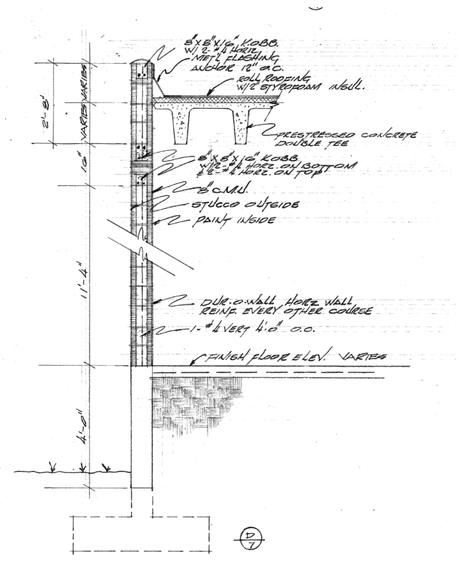
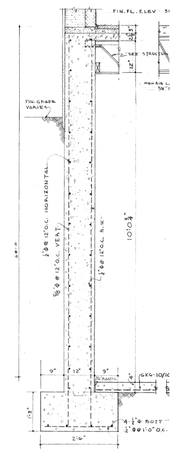
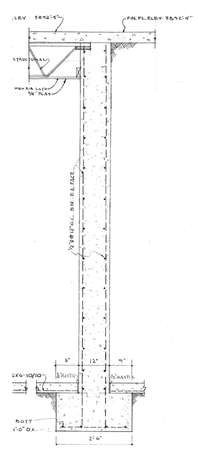


3 WALL SECTION D7
1/2" = 1'-0"



1 FOUNDATION SECTION A2
1/2" = 1'-0"



7 FOUNDATION SECTION B2
1/2" = 1'-0"

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ARCHITECT

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 12, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	773B
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

EXISTING DETAILS

AE-501

School Information

3/14/2024 5:00:08 PM

AG MOD PHASE 3: NEALE HALL DEMO

STRUCTURAL DEMO NOTES

A. INSTALL TEMPORARY POST SHORES IN THE EXISTING BASEMENT PRIOR TO DEMOLITION OPERATIONS.
B. SAWCUT ROOF JOISTS AND DECK AT EXISTING WALL TO REMAIN PRIOR TO REMOVAL OF THE EXISTING ROOF.
C. SAWCUT MAIN LEVEL FLOOR SLAB AND FLOOR JOISTS AT REMAINING WALL SURFACE PRIOR TO REMOVAL.
D. SAWCUT UPPER AND LOWER LEVEL INTERSECTING WALLS AT THE SURFACE OF THE WALL TO REMAIN PRIOR TO REMOVAL.
E. SAWCUT AND REMOVE BASEMENT SLAB UP TO TEMPORARY BRACES AND BASEMENT WALLS.
F. BEGIN BACKFILL OPERATIONS TO BRING SITE TO GRADE. CONTRACTOR SHALL PROVIDE BACKFILL PLAN THAT DESCRIBES REMOVAL OF TEMPORARY BRACES AND REMAINING BASEMENT SLAB ON GRADE WHILE PREVENTING DEFLECTION OF REMAINING BASEMENT WALL.

GENERAL NOTES

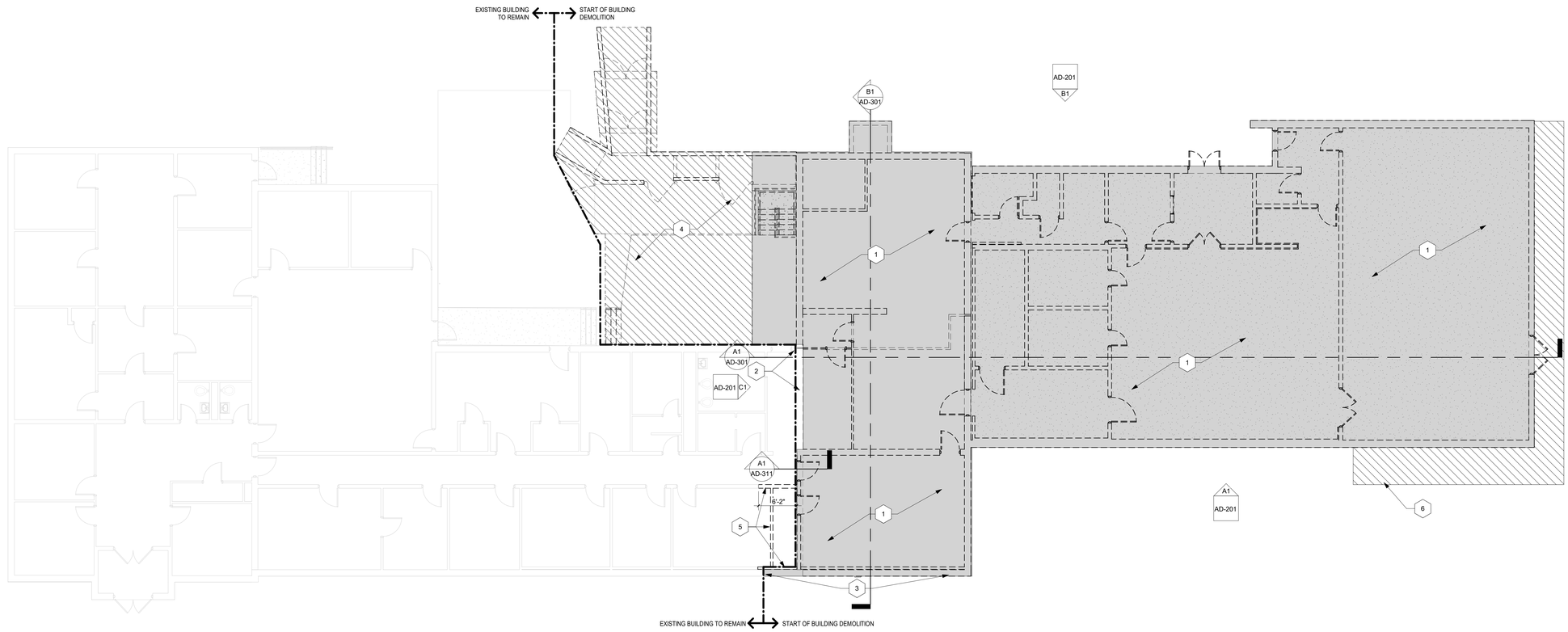
A. CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PROTECT EXISTING FLOOR, WALL, CEILING FINISHES, AND EXISTING EQUIPMENT SCHEDULED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL PREVENT THE ACCUMULATION OF DUST AND CONSTRUCTION DEBRIS. PROVIDE SECURE SEALS USING PLASTIC SHEETS OR OTHER SUITABLE BARRIERS TO PROTECT FINISHES AND EQUIPMENT. ANY DAMAGE TO SUCH ITEMS SHALL BE REPAIRED OR THE ITEM REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. CONTRACTOR TO PROVIDE DOCUMENTATION AND INVENTORY OF ITEMS TO REMAIN/FINISH STATE PRIOR TO START OF DEMOLITION WORK.
B. HOUSEKEEPING: THE CONTRACTOR SHALL WORK NEATLY. MAINTAINING ENTIRE EXISTING ARE TO BE REMODELED OR TO REMAIN SECURE AT ALL TIMES UNTIL COMPLETION OF NEW WORK. CONTRACTOR SHALL PROVIDE DAILY CLEANUP IN DEMOLITION AREA TO PREVENT DUST BUILD-UP AND THE ACCUMULATION OF CONSTRUCTION DEBRIS.
C. CONTRACTOR SHALL COORDINATE ALL ASSOCIATED PLUMBING, MECHANICAL, AND ELECTRICAL DEMOLITION FOR THE PROJECT. SEE PLUMBING/MECHANICAL/ELECTRICAL DEMOLITION DRAWING.
D. THIS DRAWING INDICATES THE INTENT OF DEMOLITION AT THE EXISTING BUILDING. THE CONTRACTOR IS ADVISED TO VISIT THE JOB SITE TO BECOME FAMILIAR WITH THE SCOPE OF WORK PRIOR TO BIDDING.
E. THE CONTRACTOR SHALL CAREFULLY EXECUTE DEMOLITION/REMOVAL WORK IDENTIFIED HEREIN AND PERFORM ALL DEMOLITION ON THE SHORTEST TIME POSSIBLE. DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE IMMEDIATELY, AND DISPOSED OF LEGALLY.
F. UTILITIES. LOCATE ALL EXISTING ACTIVE UTILITIES AND DETERMINE ALL REQUIREMENTS FOR DISCONNECTION, RECONNECTION, REROUTING OR CAPPING. CONTRACTOR SHALL PROTECT ALL UTILITIES DESIGNATED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL NOTIFY AND COORDINATE ANY UTILITY INTERRUPTIONS WITH OWNER A MINIMUM OF 10 DAYS IN ADVANCE.
G. AT LOAD BEARING WALL DEMOLITION: BRACE STRUCTURE AS REQUIRED. COORDINATE WITH STRUCTURAL.
H. MAINTAIN STRUCTURAL INTEGRITY OF EXISTING WALLS DURING DEMOLITION AND RENOVATION.
I. ALL DEMOLITION DRAWINGS INDICATE THE GENERAL SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH AND REMOVE ALL EXISTING BUILDING ELEMENTS REQUIRED TO COMPLETE WORK.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY AND WEATHERTIGHTNESS OF EXISTING BUILDING AFTER ANY PARTIAL DEMOLITION. TEMPORARY DOOR, CANOPIES, FENCING, ETC. TO BE INCLUDED.

KEYED NOTES

1 DEMOLISH AND REMOVE BUILDING IN IT'S ENTIRETY. DEMOLISH AND REMOVE EXISITNG BASEMENT. SEE DEMOLITION PLANS FOR EXTEND OF WORK.
2 EXISTING WALL TO REMAIN. REFER TO STRUCTURAL FOR BRACING SUPPORT AS NEEDED.
3 REMOVE EXISTING GLASS WINDOW INFILL - LIMITED TO EXTENT SHOWN ON PLAN. CONTRACTOR TO MAINTAIN STRUCTURAL INTEGRITY OF WALL OPENING.
4 REMOVE EXISTING LOADING DOCK, CONCRETE PLATFORM, STAIRS, RAILINGS, WALLS, GATES, AND RAMP - EXTENT AS SHOWN ON PLAN.
5 DEMOLISH EXISTING INTEROIR GYP BOARD WALL IN ITS ENTIRETY. EXTENTS AS SHOWN.
6 DEMOLISH EXISTING SITE CONCRETE IN ITS ENTIRETY. EXTENTS AS SHOWN.

LEGEND

EXISTING WALLS TO REMAIN
EXISTING WALLS TO BE DEMOLISHED
BUILDING DEMOLITION
SITE DEMOLITION



A1 OVERALL DEMOLITION FLOOR PLAN
1/8" = 1'-0"

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ARCHITECT

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

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MARCH 12, 2024

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ISSUE:	
DATE:	
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SHEET TITLE
OVERALL DEMOLITION FLOOR PLAN

AD-100

School Information

3/14/2024 4:59:53 PM

STRUCTURAL DEMO NOTES

A. INSTALL TEMPORARY POST SHORES IN THE EXISTING BASEMENT PRIOR TO DEMOLITION OPERATIONS.
B. SAWCUT ROOF JOISTS AND DECK AT EXISTING WALL TO REMAIN PRIOR TO REMOVAL OF THE EXISTING ROOF.
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KEYED NOTES

1 DEMOLISH EXISTING EXTERIOR CMU WALL IN ITS ENTIRETY. EXTENTS AS SHOWN.
2 DEMOLISH EXISITING DOOR AND FRAME IN ITS ENTIRETY. EXTENTS AS SHOWN.
3 DEMOLISH EXISTING WINDOW IN ITS ENTIRETY. SUPPORT ROOF AS REQUIRED DURING DEMO. EXTENTS AS SHOWN.
4 DEMOLISH EXISTING INTEROIR GYP BOARD WALL IN ITS ENTIRETY. EXTENTS AS SHOWN.
5 DEMOLISH EXISTING INTEROIR CMU WALL IN ITS ENTIRETY. EXTENTS AS SHOWN.
6 DEMOLISH FREEZER WALLS IN THEIR ENTIRETY.
7 DEMOLISH STAIRS AND SITE LOADING DOCK. SEE ASD-101
8 DEMO CONCRETE SLAB TO SUPPORT UTILITY CONNECTIONS AS REQUIRED. REPAIR AND REPLACE CONCRETE SLAB TO MATCH EXISTING AFTER UTILITY INSTALLATION.
9 DEMOLISH CONCRETE PIT. INFILL WITH ENGINEERED FILL AND INSTALL ASPHALT PAVEMENTS LEVEL WITH SURROUNDING ASPHALT.
10 DEMOLISH EXISTING OVERHEAD DOOR AND FRAME IN ITS ENTIRETY. EXTENTS AS SHOWN.
11 PROTECT EXISTING WALLS AND DOORS TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
12 DEMOLISH CASEWORK IN ITS ENTIRETY. THIS INCLUDES ANY FIXTURES AND UPPER CASEWORK.
13 DEMOLISH EXISTING CEILING TO ACCOMIDATE NEW CONSTRUCITON. COORDINATE EXTENT OF DEMO WITH NEW CONSTRUCTION. EXISTING CEILING TO REMAIN.

GENERAL NOTES

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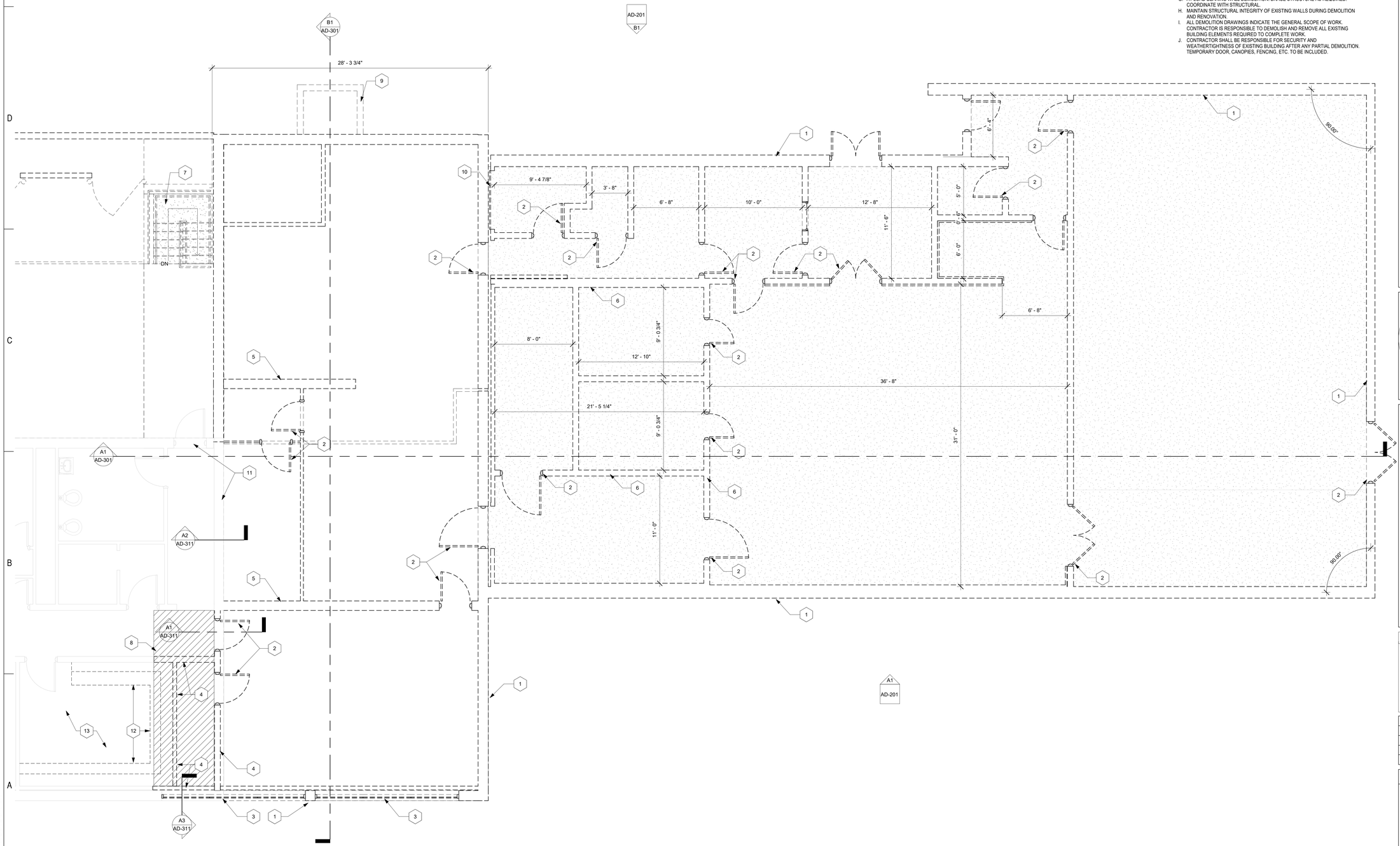

A1 DEMOLITION FLOOR PLAN
1/4" = 1'-0"

3/14/2024 4:59:53 PM

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ARCHITECT

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 12, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
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DRAWN BY:	JRC
CHECKED BY:	SBJ

SHEET TITLE
DEMOLITION FLOOR PLAN

AD-101

School Information

STRUCTURAL DEMO NOTES

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KEYED NOTES

1 DEMOLISH 12" CONCRETE WALLS AND FOUNDATION. PROVIDE SHORING FOR BUILDING AND WALLS TO REMAIN.
2 DEMOLISH CONCRETE SLAB
3 DEMOLISH EXISTING DOOR AND FRAME.
4 DEMOLISH INTERIOR STUD AND GYPBOARD WALLS.
5 DEMOLISH ALL EQUIPMENT, CASEWORK AND FIXTURES IN THEIR ENTIRETY.
6 DEMOLISH EXISTING COLUMN AND FOOTING
7 DEMOLISH EXISTING STAIRS AND HANDRAILS.
8 DEMOLISH EXISTING PIT WALLS, FLOOR AND COVER
9 DEMOLISH CASEWORK IN ITS ENTIRETY.
10 DEMOLISH CHAINLINK FENCE IN ITS ENTIRETY.
11 BUILDING ABOVE TO BE DEMOLISHED

GENERAL NOTES

A. CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PROTECT EXISTING FLOOR, WALL, CEILING FINISHES, AND EXISTING EQUIPMENT SCHEDULED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL PREVENT THE ACCUMULATION OF DUST AND CONSTRUCTION DEBRIS. PROVIDE SECURE SEALS USING PLASTIC SHEETS OR OTHER SUITABLE BARRIERS TO PROTECT FINISHES AND EQUIPMENT. ANY DAMAGE TO SUCH ITEMS SHALL BE REPAIRED OR THE ITEM REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. CONTRACTOR TO PROVIDE DOCUMENTATION AND INVENTORY OF ITEMS TO REMAIN/FINISH STATE PRIOR TO START OF DEMOLITION WORK.
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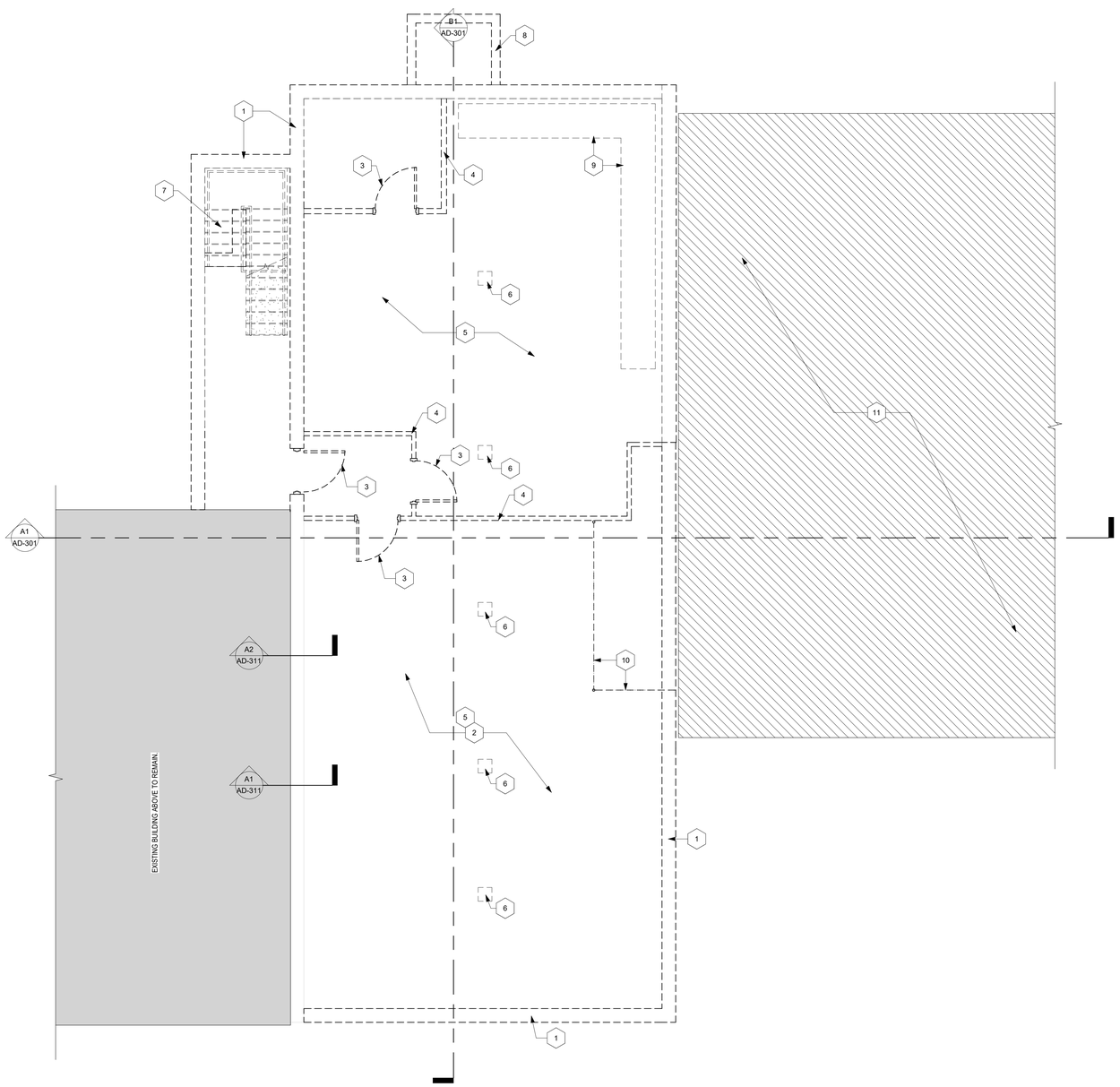

A1 BASEMENT DEMOLITION PLAN
1/4" = 1'-0"

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ARCHITECT

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 12, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	773B
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE
DEMOLITION BASEMENT PLAN

AD-102

School Information

3/14/2024 4:59:54 PM

STRUCTURAL DEMO NOTES

A. INSTALL TEMPORARY POST SHORES IN THE EXISTING BASEMENT PRIOR TO DEMOLITION OPERATIONS.
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KEYED NOTES

1 DEMOLISH THE TOP COURSES OF CMU WALL TO MATCH EXISTING WALL HEIGHT. PREP TO MATCH EXISTING PARAPET.
2 REPLACE ROOF MEMBRANE AS REQUIRED DUE TO DEMOLITION.
3 DEMOLISH EXISTING CANOPY AT LOADING DOCK.
4 DEMOLISH EXISTING ROOF IN THIS AREA.
5 MAINTAIN EXISTING CRICKET SLOPE.
6 SUPPORT ROOF STRUCTURE AT UNSUPPORTED AREAS DURING DEMOLITION. TYPICAL.
7 PROVIDE SUPPORTS UNDER GAS PIPING DURING DEMOLITION.
8 SALVAGE CLAY TILES AND PRECAST CONCTRETE AT PARAPET AND USE FOR CONSTRUCTION OF NEW PARAPET. TYPICAL

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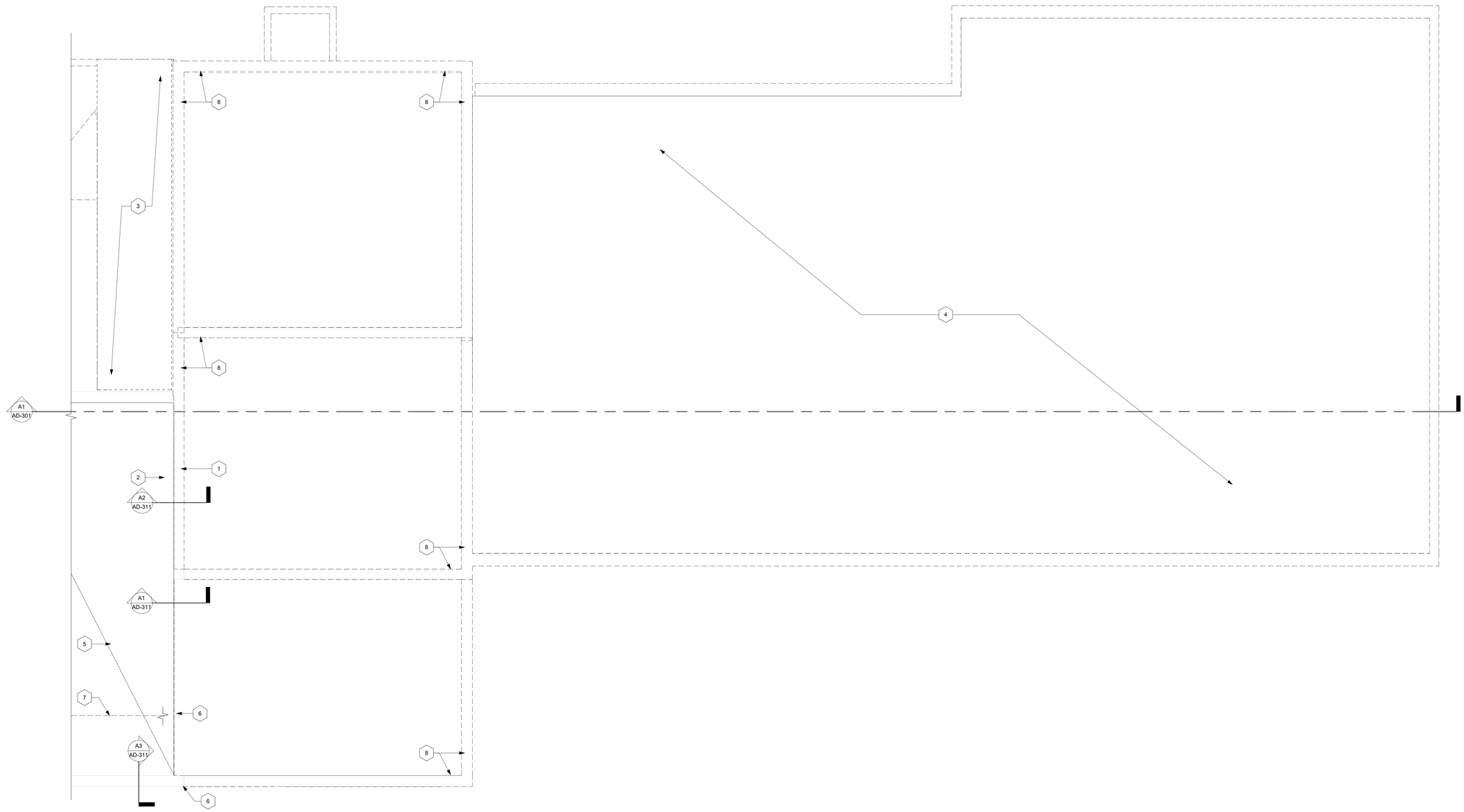

A1 ROOF PLAN
1/4" = 1'-0"

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ARCHITECT

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

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Las Cruces, NM 88001

MARCH 12, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
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DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE
DEMO ROOF PLAN

AD-131

School Information

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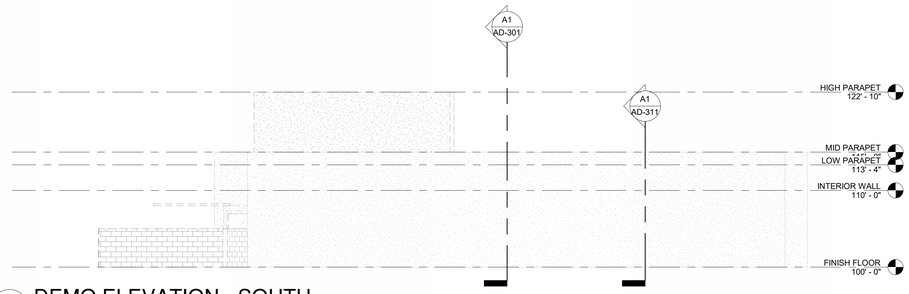
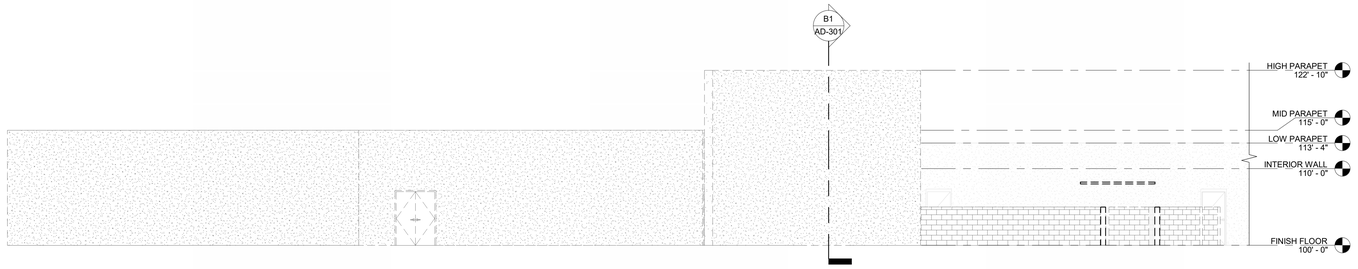
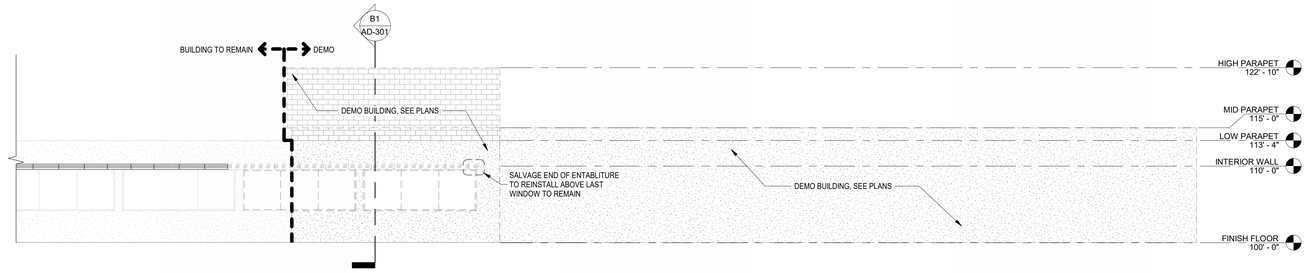


C1 DEMO ELEVATION - SOUTH
1/8" = 1'-0"



B1 ELEVATION - WEST
1/8" = 1'-0"



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KEYED NOTES

LEGEND

- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE DEMOLISHED
- BUILDING DEMOLITION
- SITE DEMOLITION

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ARCHITECT

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 12, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	773B
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

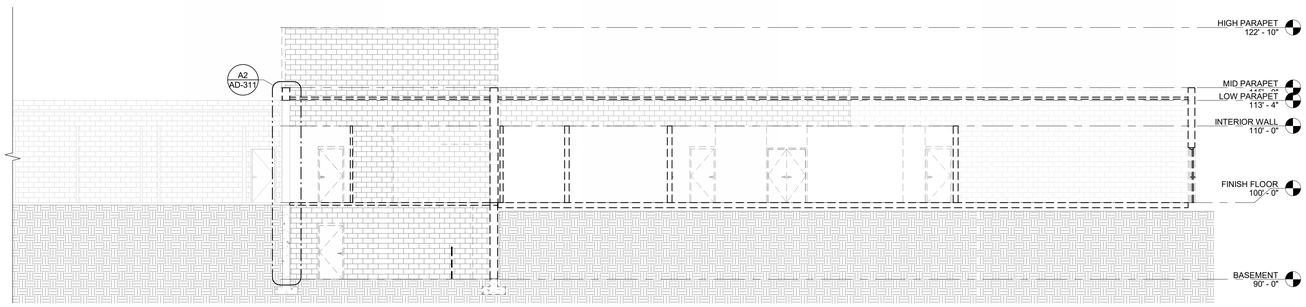
DEMO BUILDING ELEVATIONS

AD-201

School Information

3/14/2024 4:59:56 PM

B1 DEMO SECTION LOOKING SOUTH
1/8" = 1'-0"



A1 DEMO SECTION LOOKING WEST
1/8" = 1'-0"

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MARCH 12, 2024

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SHEET TITLE

DEMO BUILDING SECTIONS

AD-301

School Information

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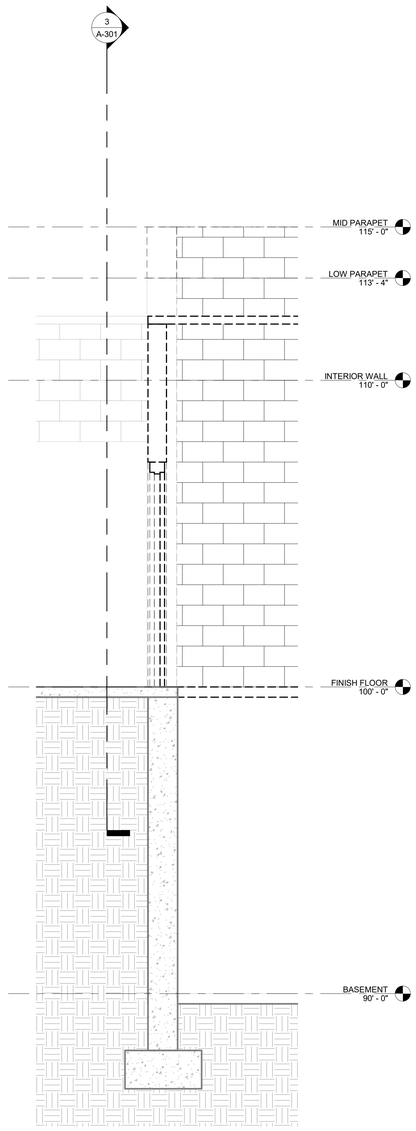
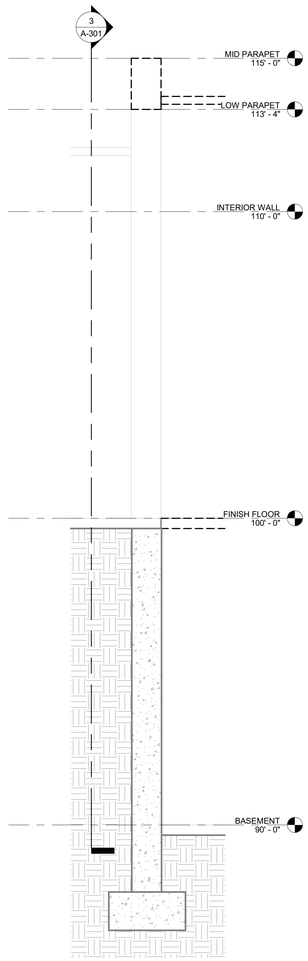


A1 DEMO WALL SECTION
1/2" = 1'-0"



A2 DEMO WALL SECTION
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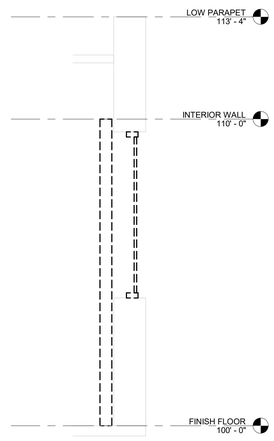

A3 DEMO WINDOW WALL SECTION
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AG MOD PHASE 3: NEALE HALL DEMO

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DEMO WALL SECTIONS

AD-311

School Information

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AG MOD PHASE 3: NEALE HALL DEMO

A1 FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.

B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

D. PROVIDE WOOD BLOCKING IN ALL WALLS FOR SUPPORT OF PARTITIONS, SIGNAGE, ACCESSORIES, AND OTHER WALL SUPPORTED ITEMS AS REQUIRED.

E. SEE ANSI GUIDELINES FOR INFORMATION REGARDING ACCESSIBILITY REQUIREMENTS.

F. PROVIDE SEALANT AT INTERSECTIONS OF ALL DISSIMILAR MATERIALS.

G. COORDINATE ALL PLUMBING FIXTURES WITH THE PLUMBING DRAWINGS. IN CASE OF ANY DISCREPANCY, NOTIFY ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN OF INSTALLATION.

H. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL WET LOCATIONS.

I. FURNISH AND INSTALL 5/8" ABUSE RESISTANT GYP. BOARD TO 8'-0" AFF AT ALL CORRIDOR AND VESTIBULE WALL LOCATIONS.

J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602/603 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEAL ALL EXISTING PENETRATIONS, HOLES OR OTHER UNUSED DAMAGED EXISTING INTERIOR OR EXTERIOR WALL ASSEMBLIES.

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FLOOR PLAN

A-101

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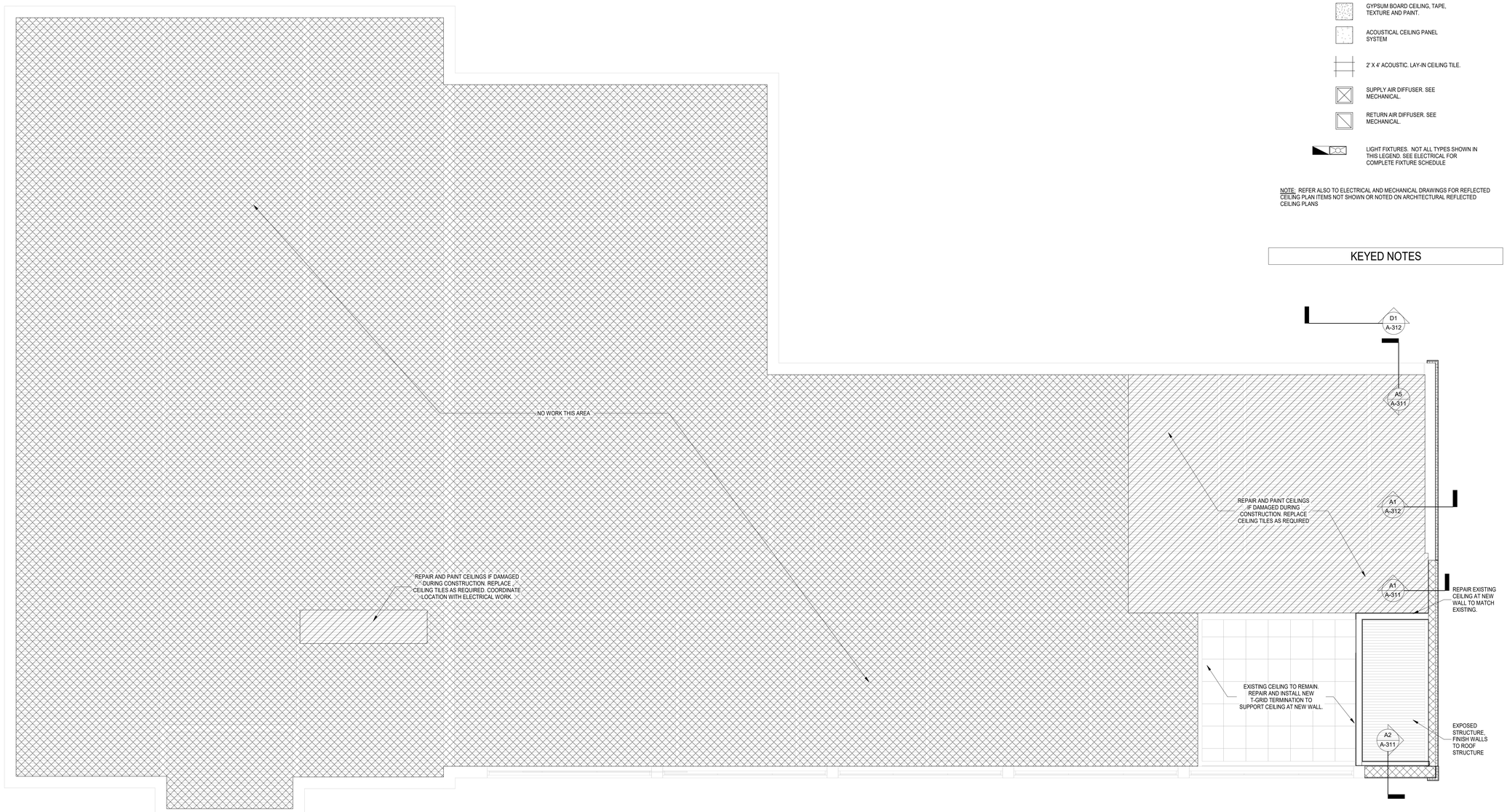

1 REFLECTED CEILING PLAN
1/4" = 1'-0"

GENERAL NOTES

A. ALL CEILING ELEVATIONS ARE ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.

B. CONTROL DRYWALL TEXTURE OVER SPRAY AT ALL LOCATIONS OF EXPOSED CEILING. ENSURE NO OVER SPRAY ON STRUCTURE AND/ORBATT INSULATION.

C. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND FIRE PROTECTION WORK TO ACCOMPLISH CEILING HEIGHTS. NOTIFY ARCHITECTS OF ANY CONFLICTS PRIOR TO INSTALLATION.

D. EXACT LOCATION OF SPRINKLER HEADS AND ALL SPECIAL SYSTEMS EQUIPMENT SHALL BE COORDINATED WITH ARCHITECT PRIOR TO SYSTEM INSTALLATION. SPRINKLER HEADS SHALL BE INSTALLED IN CENTER OF CEILING TILE.

E. SEE ID SHEETS FOR WALL ACCENT PAINT COLORS.

F. ALL PAINT COLORS TO BE SELECTED BY ARCHITECT UNLESS NOTED OTHERWISE.

G. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH MECHANICAL AND PLUMBING.

H. ALL DIMENSIONS ARE TO FACE OF FINISH.

REFLECTED CEILING LEGEND

- 1 / A101 SIM — BUILDING /WALL SECTION
- SPOT ELEVATION
- GYPSUM BOARD CEILING, TAPE, TEXTURE AND PAINT.
- ACOUSTICAL CEILING PANEL SYSTEM
- 2' X 4' ACOUSTIC. LAY-IN CEILING TILE.
- SUPPLY AIR DIFFUSER. SEE MECHANICAL.
- RETURN AIR DIFFUSER. SEE MECHANICAL.
- LIGHT FIXTURES. NOT ALL TYPES SHOWN IN THIS LEGEND. SEE ELECTRICAL FOR COMPLETE FIXTURE SCHEDULE

NOTE: REFER ALSO TO ELECTRICAL AND MECHANICAL DRAWINGS FOR REFLECTED CEILING PLAN ITEMS NOT SHOWN OR NOTED ON ARCHITECTURAL REFLECTED CEILING PLANS

KEYED NOTES

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REFLECTED CEILING PLANS

A-121

School Information

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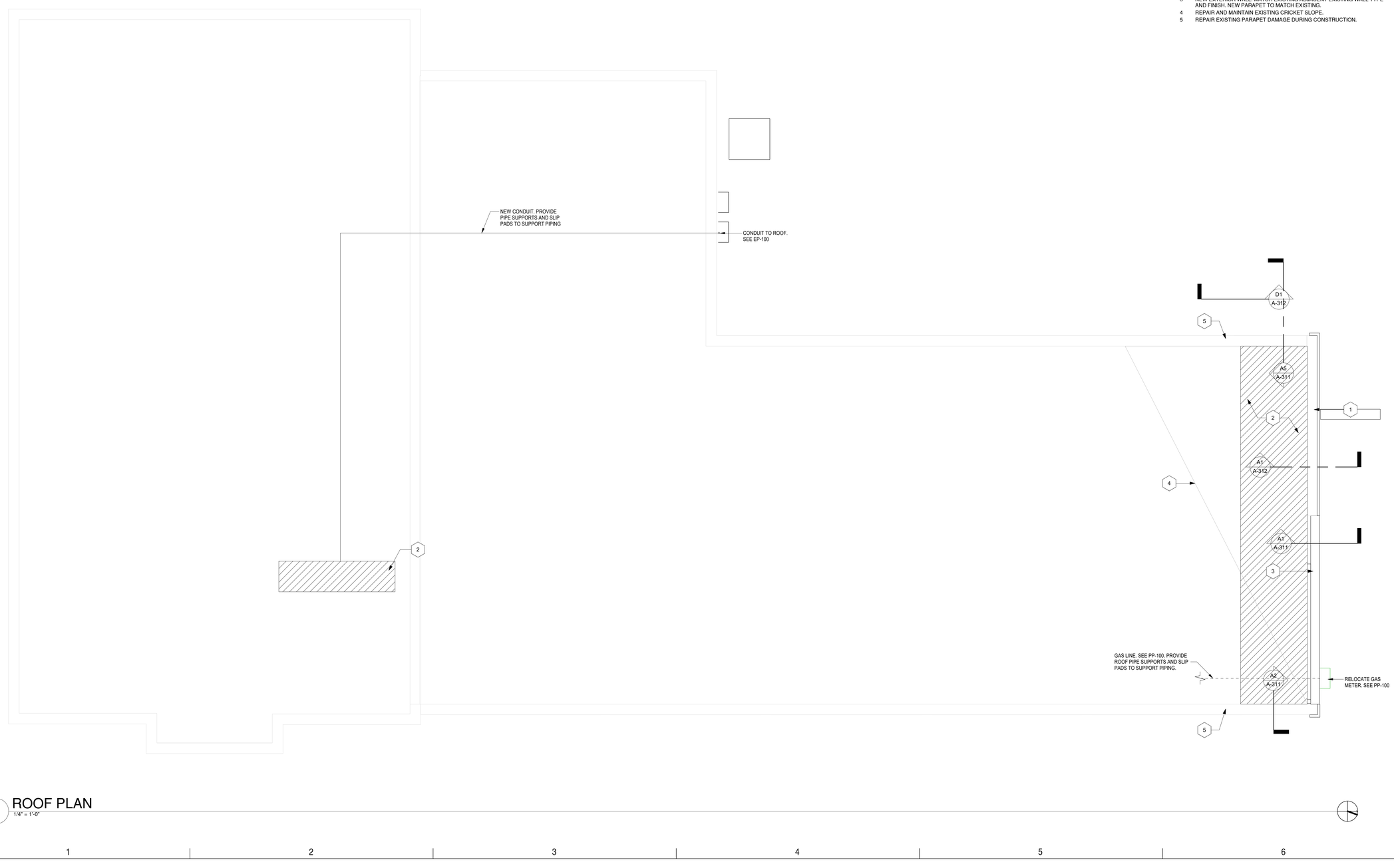

1 ROOF PLAN
1/4" = 1'-0"

GENERAL NOTES

A. CONTRACTOR SHALL PERFORM DAILY CLEANUP WHEN FINISH GRADE WORK IS BEING PERFORMED.

B. SEE ENLARGED PLANS FOR CLASSROOM LAYOUTS, CASEWORK, ETC.

C. SEE ROOM MATERIALS LEGEND ON ID SHEETS FOR FLOOR/ BASE,WALL AND CEILING MATERIAL INFORMATION.

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J. SEE A-601 FOR DOOR AND WINDOW SCHEDULE AND A-602/603 FOR DOOR AND WINDOW FRAME ELEVATIONS.

K. SEE PARTITION TYPES A-501.

L. SEAL ALL EXISTING PENETRATIONS, HOLES OR OTHER UNUSED DAMAGED EXISTING INTERIOR OR EXTERIOR WALL ASSEMBLIES.

KEYED NOTES

1 NEW CMU PARAPET TO MATCH ADJACENT HEIGHTS ON EXISTING CMU WALL.
2 REPLACE ROOF MEMBRANE AS REQUIRED DUE TO DEMOLITION.
3 NEW EXTERIOR WALL MATCH EXISTING ADJACENT EXISTING WALL TYPE AND FINISH. NEW PARAPET TO MATCH EXISTING.
4 REPAIR AND MAINTAIN EXISTING CRICKET SLOPE.
5 REPAIR EXISTING PARAPET DAMAGE DURING CONSTRUCTION.

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ROOF PLAN

A-131

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School Information

KEYED NOTES

1 NEW PARAPET. MATCH EXISTING. SEE DETAIL A4/A-311
2 NEW STUCCO TO MATCH EXISTING. PROVIDE STRUCTURAL SUPPORT DURING CONSTRUCTION FOR INFILL OF WINDOW.
3 NEW STUD WALL WITH STUCCO FINISH SYSTEM. MATCH EXISTING.
4 NEW STUCCO FINISH SYSTEM ON EXISTING CMU WALL. MATCH EXISTING.
5 NEW STAIR AND RAILING. SEE DETAIL D3/A-201
6 DOOR TO REMAIN. PROTECT DURING CONSTRUCTION. TYPICAL FOR ALL EXISTING DOORS NOT NOTED FOR DEMO.
7 GLASS BLOCK WINDOW TO REMAIN. PROTECT DURING CONSTRUCTION.
8 PATCH AND REPAIR EXISTING STUCCO DAMAGE DURING CANOPY DEMO.
9 MODIFY END CAP TO MATCH EXISTING
10 WRAP NEW EIFS FINISH AROUND CORNER AND TERMINATE AT EXISTING STUCCO.

GENERAL NOTES

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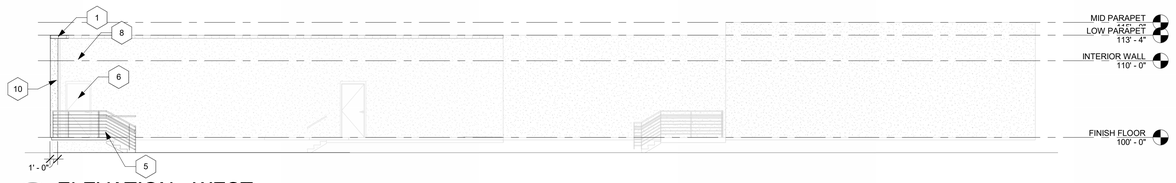
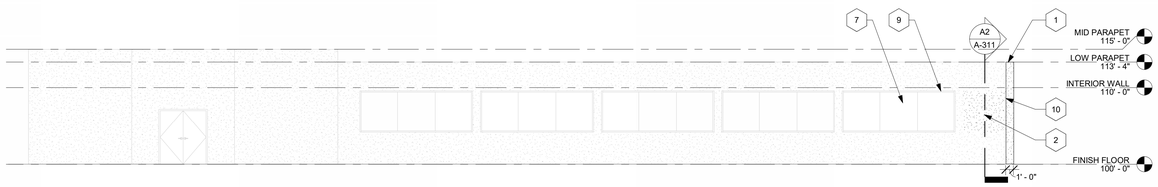
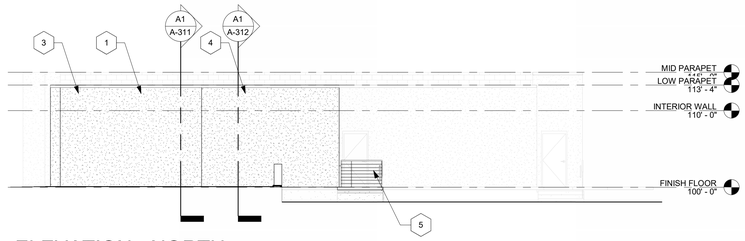


B1 ELEVATION - WEST
1/8" = 1'-0"



A1 ELEVATION - EAST
1/8" = 1'-0"



A4 ELEVATION - NORTH
1/8" = 1'-0"

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SHEET TITLE

BUILDING ELEVATION

A-201

School Information

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AG MOD PHASE 3: NEALE HALL DEMO

KEYED NOTES

TOILET ACCESSORY LEGEND

MARK	ACCESSORIES
1	24" X 36" MIRROR.
2	SOAP DISPENSER, MOUNT 5" ABOVE SINK. OWNER FURNISHED, CONTRACTOR INSTALLED.
3	PAPER TOWEL DISPENSER. OWNER FURNISHED, CONTRACTOR INSTALLED.
4	ELECTRIC HAND DRYER. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
5	WASTE RECEPTACLE CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
6	COAT HOOK. MOUNT 40" A.F.F.
7	18" VERTICAL GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).
8	36" GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).
9	42" GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).
10	TOILET PAPER DISPENSER. OWNER FURNISHED, CONTRACTOR INSTALLED.
11	SANITARY NAPKIN DISPOSAL. MOUNT 28" A.F.F.
12	FOLDING SHOWER SEAT. MOUNT TOP OF SEAT AT 17" A.F.F.
13	SHOWER CURTAIN ROD AND SHOWER CURTAIN.
14	14" ADA SHOWER GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).
15	30" ADA SHOWER GRAB BAR 1-1/2" DIA. (SEE ACCESSIBILITY GUIDELINES FOR MOUNTING HEIGHT).
16	MOP RACK. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.

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INTERIOR ELEVATIONS

A-211

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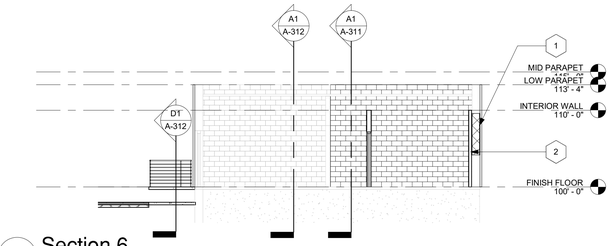
School Information

AG MOD PHASE 3: NEALE HALL DEMO

KEYED NOTES

1 INFILL WINDOW WITH CMU TO MATCH EXISTING. PROVIDE EXTERIOR SURFACE FLUSH WITH EXISTING AND FINISH EXTERIOR WITH STUCCO TO MATCH EXISTING.
2 WALL FUR OUT 5/8" GYP ON 4" METAL STUD.



3 Section 6
1/8" = 1'-0"

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BUILDING SECTIONS

A-301

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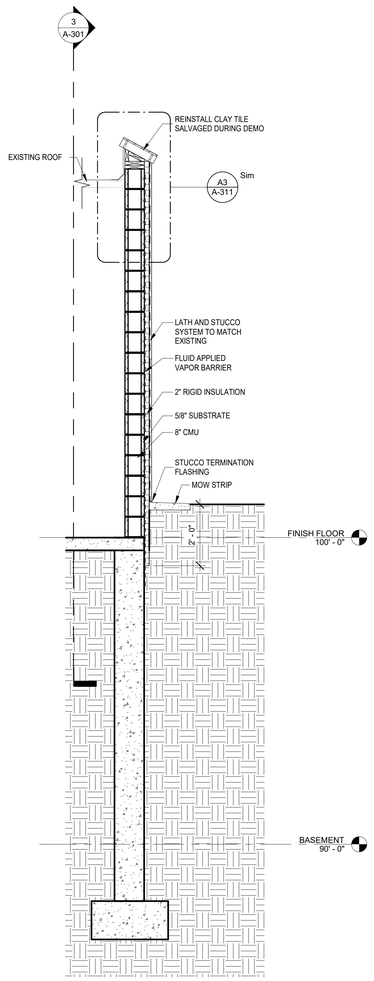
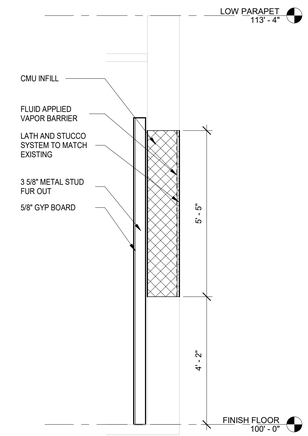
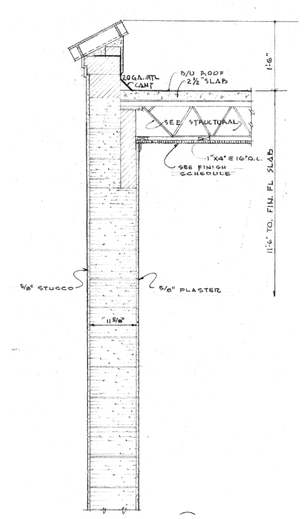
KEYED NOTES



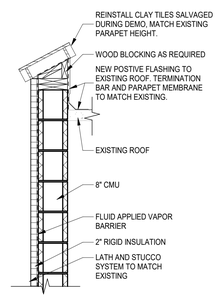
A1 WALL SECTION
1/2" = 1'-0"



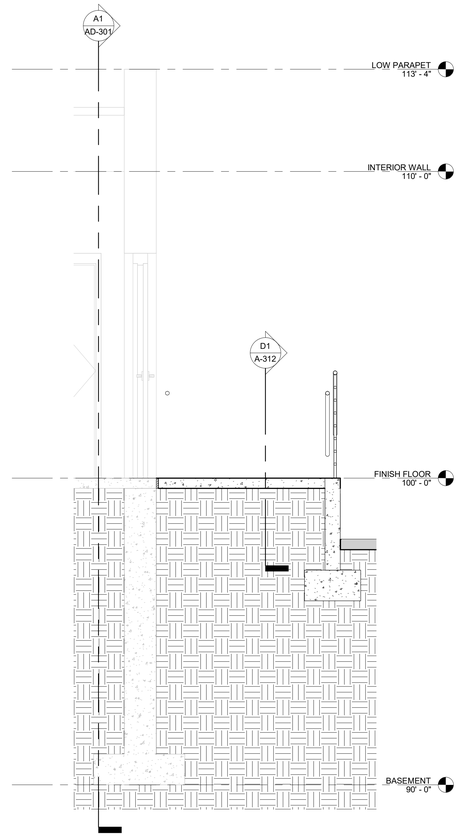
A2 WALL SECTION
1/2" = 1'-0"



A3 WALL SECTION
3/4" = 1'-0"



A4 WALL SECTION
3/4" = 1'-0"



A5 WALL SECTION
1/2" = 1'-0"

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WALL SECTIONS

A-311

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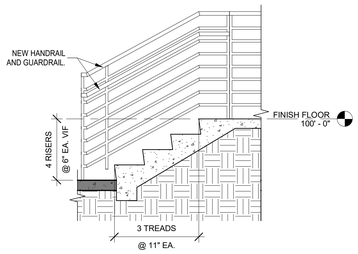
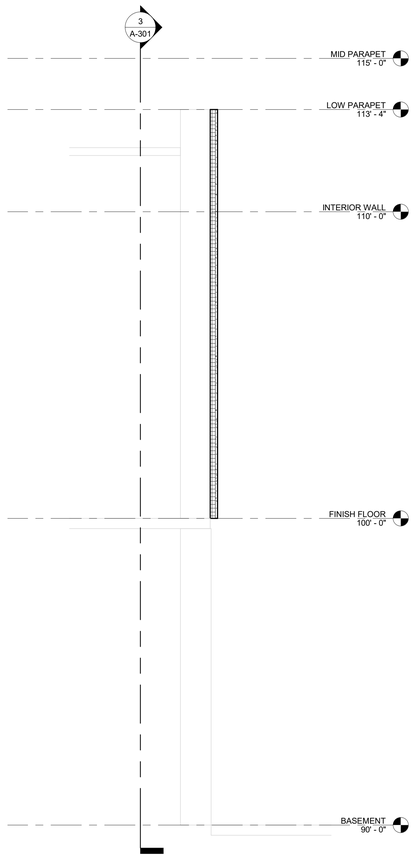


D1 SECTION STAIRS
1/2" = 1'-0"



A1 WALL SECTION
1/2" = 1'-0"

KEYED NOTES

2 ROOF ASSEMBLY. SEE ROOF PLAN.
7 EXTERIOR INSULATION AND FINISH SYSTEM, OVER STEEL STUD FRAMING.
8 LOUVER, SEE SPECIFICATIONS.
9 PARAPET WITH PRE-FINISHED COPING SYSTEM. SEE ROOF PLAN AND DETAILS.
10 STRUCTURE. PAINT P2 AT EXPOSED AREAS UNLESS OTHERWISE INDICATED. SEE STRUCTURAL DRAWINGS AND FINISH SCHEDULE.
13 GYPSUM BOARD WALL. TAPE, TEXTURE AND PAINT. SEE FINISH PLAN AND SCHEDULE.
14 MECHANICAL EQUIPMENT. SEE MECHANICAL ROOF PLAN.
15 CONCRETE SLAB OVER STRUCTURAL METAL DECK.

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SHEET TITLE

WALL SECTIONS

A-312

School Information

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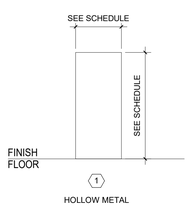
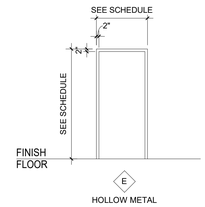
AG MOD PHASE 3: NEALE HALL DEMO

Door & Frame Schedule

DOOR NUMBER	SIZE WIDTH	SIZE HEIGHT	DOOR TYPE	FACING/ FINISH	FRAME TYPE	GLAZING	FIRE RATING	DETAIL REFERENCE HEAD	DETAIL REFERENCE JAMB	DETAIL REFERENCE SILL	REMARKS
120	4' - 0"	7' - 0"	HM	PAINT	HM	-	-	A1/A-521	A1/A-521	-	



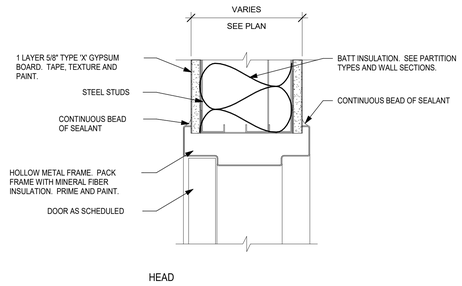
Door Type Legend
1/4" = 1'-0"



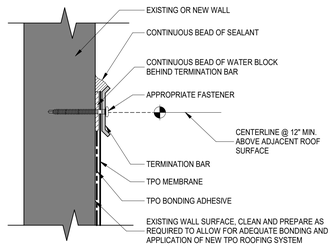
Frame Type Legend
1/4" = 1'-0"

GENERAL NOTES

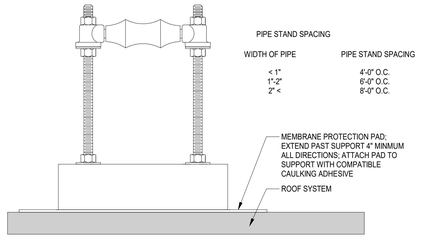
A. PACK ALL HOLLOW METAL DOOR FRAMES WITH MINERAL WOOL.
B. FINISH AND INSTALL PAINTABLE SEALANT AT INTERSECTION OF ALL DISSIMILAR MATERIALS.
C. ALL FRAME DIMENSIONS AND PROFILES ARE TO BE FIELD VERIFIED BEFORE FABRICATION.
D. PAINT ALL HOLLOW METAL DOORS AND FRAMES. COLOR TO BE SELECTED BY ARCHITECT.



A1 DR_INTERIOR HOLLOW METAL DOOR
3" = 1'-0"



A2 RF_TPO TERMINATION BAR
3" = 1'-0"



A4 RF_PIPE STAND
1" = 1'-0"

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ARCHITECT

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

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3198 S. Espina St
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MARCH 12, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
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CHECKED BY:	SBJ

SHEET TITLE

DETAILS

A-601

3/14/2024 4:59:52 PM

School Information

PLUMBING SYMBOL LEGEND

MEDICAL GAS SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
MA	MA	MEDICAL AIR
N	N	NITROGEN
NO	NO	NITROUS OXIDE
O	O	OXYGEN
MV	MV	MEDICAL VACUUM
IA	IA	INSTRUMENT AIR
WAGD	WAGD	WASTE ANESTHESIA GAS DISPOSAL
DA	DA	DENTAL AIR
DV	DV	DENTAL VACUUM
		EXISTING PIPING
		ALARM PANEL (IN WALL)
		MEDICAL VALVE BOX
		MEDICAL GAS DROP

PROCESS GASES

SYMBOL	ABBREVIATION	DESCRIPTION
CDA	CDA	COMPRESSED DRY AIR
CO2	CO2	CARBON DIOXIDE
AR	AR	ARGON
AC	AC	ACETYLENE
HE	HE	HELIUM
H	H	HYDROGEN
LN	LN	LIQUID NITROGEN
LOX	LOX	LIQUID OXYGEN
O	O	OXYGEN

PLUMBING FIXTURE & EQUIPMENT SYMBOL

P## — LETTER REFERS TO PLUMBING FIXTURE; NUMBER AND/OR LOWERCASE LETTER REFERS TO SPECIFIC CATEGORY; SYMBOL INDICATES FIXTURE IDENTIFIED IN FIXTURE SCHEDULE. ex. P1a WATER CLOSET (BARRIER FREE)

TMV-1 — LETTER REFERS TO PLUMBING EQUIPMENT; NUMBER REFERS TO SPECIFIC EQUIPMENT COUNT; SYMBOL INDICATES EQUIPMENT IDENTIFIED IN EQUIPMENT SCHEDULE

P1	WATER CLOSETS
P2	URINALS
P3	LAVATORIES
P4	SINKS
P5	SERVICE SINKS
P6	WATER COOLERS/DRINKING FOUNTAINS
P7	SHOWERS/BATHTUBS
P8	WATER HAMMERS/SHOCK ABSORBERS
P9	HOSE BIBBS
P10	HYDRANTS
P11	SUPPLY BOXES
P12	WASHER BOXES
P13	EYEWASH/EYEWASH SHOWERS
P14	CLINIC SINKS
P15	TRAP PRIMER
FD1	FLOOR DRAINS
FS1	FLOOR SINKS
RD1	ROOF DRAINS
ORD1	OVERFLOW DRAINS
DSN1	DOWNSPOUT NOZZLES
AD1	AREA DRAINS
DD1	DECK DRAINS

TMV-1	THERMOSTATIC MIXING VALVE
DWH-1	DOMESTIC WATER HEATER
EWH-1	ELECTRIC WATER HEATER
IWH-1	INSTANTANEOUS WATER HEATER
RCP-1	RECIRCULATION PUMP
EXP-1	EXPANSION TANK
RPZ-1	REDUCED PRESSURE ZONE BACKFLOW
BFP-1	DOUBLE CHECK BACKFLOW
GGI-1	GREASE INTERCEPTOR
HGI-1	HYDROMECHANICAL GREASE INTERCEPTOR
OI-1	OIL INTERCEPTOR
OS-1	OIL/SAND INTERCEPTOR
AN-1	ACID NEUTRALIZER
LI-1	LINT INTERCEPTOR
GM-1	GAS METER
REG-1	REGULATOR
WPRV-1	WATER PRESSURE REDUCING VALVE
ETP-1	ELECTRONIC TRAP PRIMER

NOTE: NOT ALL FIXTURE & EQUIPMENT SYMBOLS APPLY TO THIS PROJECT

SECTION SYMBOL

A / P-100 — SECTION LETTER; DRAWING NUMBER WHERE DETAILED

DETAIL SYMBOL

1 / P-500 — DETAIL NUMBER; DRAWING NUMBER WHERE DETAILED

SECTION, ELEVATION, AND DETAIL TITLES

SECTION LETTER / DRAWING NUMBER WHERE DETAILED — A / P-300 — SECTION / SCALE

DETAIL NUMBER / DRAWING NUMBER WHERE DETAILED — 1 / P-500 — DETAIL / SCALE

ELEVATION LETTER / DRAWING NUMBER WHERE DETAILED — A / P-200 — ELEVATION / SCALE

PIPING SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
AV	AV	ACID VENT
AW	AW	ACID WASTE
CA	CA	COMPRESSED AIR
CND	CND	CONDENSATE DRAIN
DCW	DCW	DOMESTIC COLD WATER
DHW	DHW	DOMESTIC HOT WATER
DHWR	DHWR	DOMESTIC HOT WATER RETURN
DHW 140ºF	DHW 140ºF	140° DOMESTIC HOT WATER
DHWR 140ºF	DHWR 140ºF	140° DOMESTIC HOT WATER RETURN
ROS	ROS	REVERSE OSMOSIS SUPPLY
ROR	ROR	REVERSE OSMOSIS RETURN
MU	MU	MAKE-UP WATER
NPW	NPW	NON-POTABLE WATER
V	V	VENT
DIS	DIS	DEIONIZED WATER SUPPLY
DIR	DIR	DEIONIZED WATER RETURN
SAN	SAN	SANITARY SEWER
GW	GW	GREASE WASTE
GV	GV	GREASE VENT
RD	RD	STORM/ROOF DRAIN
ORD	ORD	OVERFLOW ROOF DRAIN
LPG	LPG	LIQUEFIED PETROLEUM GAS
G @14"w.c.	G @14"w.c.	NATURAL GAS-LOW PRESSURE
G @2PSIG	G @2PSIG	NATURAL GAS-MEDIUM PRESSURE
NGH	NGH	NATURAL GAS-HIGH PRESSURE (5+ PSIG)
IRR	IRR	IRRIGATION
SCW	SCW	SOFT COLD WATER
SHW	SHW	SOFT HOT WATER
SHWR	SHWR	SOFT HOT WATER RETURN
TWR (_ _ _)	TWR	TEMPERED WATER RETURN (TEMP °F)
TW (_ _ _)	TW	TEMPERED WATER (TEMP °F)
PD	PD	PUMPED DISCHARGE LINE
ICW	ICW	INDUSTRIAL COLD WATER
IHW	IHW	INDUSTRIAL HOT WATER
IHWR	IHWR	INDUSTRIAL HOT WATER RETURN
INW	INW	INDUSTRIAL WASTE
IA	IA	INSTRUMENT COMPRESSED AIR
IW	IW	INDIRECT WASTE
LA	LA	LAB COMPRESSED AIR

SITE UTILITY SYMBOLS

DESCRIPTION	NEW	EXISTING
SANITARY SEWER	S	EX. S
COLD WATER SUPPLY	W	EX. W
FIRE PROTECTION	F	EX. F
NATURAL GAS	G	EX. G
STORM DRAIN	SD	EX. SD
IRRIGATION	IRR	EX. IRR
VALVE WITH VALVE BOX		
FIRE HYDRANT	F.H.	F.H.(E)
FIRE DEPARTMENT INLET CONNECTION	F.D.C.	F.D.C.
CONSTRUCTION		
THRUST BLOCK		
CLEANOUT	SAS C.O.	SAS C.O.(E)
POWER POLE	PP	PP
FENCING		
LIGHT POLE	LP	LP
WATER METER	WM	WM
NATURAL GAS METER	GM	GM
GATE VALVE		
VALVE IN RISER	PIV	PIV
POST INDICATOR VALVE		
REDUCED PRESSURE BACKFLOW PREVENTER		
SANITARY MANHOLE	SAS M.H.	SAS M.H.(E)
SLOPE AND LINEAL FOOTAGE	255' OF 6" @ 0.15%SLOPE	

VALVE SYMBOLS

SYMBOL	DESCRIPTION
	GATE VALVE
	GLOBE VALVE
S	SOLENOID VALVE
	OS&Y VALVE
	BUTTERFLY VALVE
OR OR	BALL VALVE
OR	CHECK VALVE
OR	PLUG VALVE
	BALANCING VALVE/CIRCUIT SETTER DEVICE
	PRESSURE REDUCING VALVE
	REGULATING/SUSTAINING VALVE
	2-WAY CONTROL VALVE
	3-WAY MODULATING CONTROL VALVE
	FUEL GAS PRESSURE REGULATOR
	PRESSURE RELIEF VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	DRAIN VALVE
	VALVE IN VERTICAL
	FLOW SWITCH
	DIAPHRAGM (PROCESS SYSTEMS)
	REDUCED PRESSURE BACKFLOW PREVENTER (RPZ)
	ATMOSPHERIC VACUUM BREAKER
	PRESSURE STYLE VACUUM BREAKER

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANT	ACID NEUTRALIZING TANK
AVTR	ACID RESISTANT VENT THROUGH ROOF
B.C.	BALANCING COCK
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CWB	CLOTHES WASHER BOX
CFH	CUBIC FEET PER HOUR
CO	CLEANOUT
COTG	CLEANOUT TO GRADE
CP	CIRCULATION PUMP
CWV	COMBINATION WASTE AND VENT
DCO	DOUBLE CLEANOUT
DCOTG	DOUBLE CLEANOUT TO GRADE
DF	DRINKING FOUNTAIN
DN	DOWN
DS	DOWNSPOUT
DSN	DOWNSPOUT NOZZLE
EL	ELEVATION
EWH	ELECTRIC WATER HEATER
EWC	ELECTRIC WATER COOLER
EEW	EMERGENCY EYEWASH
ES	EMERGENCY SHOWER
ESEW	EMERGENCY SHOWER EYE WASH
°F	DEGREES FAHRENHEIT
FCO	FLOOR CLEANOUT
FFE	FINISHED FLOOR ELEVATION
FT	FEET
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FV	FLUSH VALVE
GD	GUTTER DRAIN
GI	GREASE INTERCEPTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
GVTR	GREASE VENT THROUGH ROOF
HB	HOSE BIBB
HD	HEAD
HP	HORSEPOWER
IN	INCHES
INV	INVERT
kW	KILOWATT
MBh	1,000 BTUH
MV	MIXING VALVE
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
No. #	NUMBER
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OS&Y	OUTSIDE SCREW AND YOKE
PH	PHASE
Ph	POWERS OF HARDNESS
PSIG	POUNDS PER SQUARE INCH GAUGE
SP	STATIC PRESSURE
TD	TRENCH DRAIN
TYP	TYPICAL
YB	YARD BOX
YH	YARD HYDRANT
WCO	WALL CLEANOUT
WC	WATER CLOSET

NOTE: NOT ALL ABBREVIATIONS OR SYMBOLS APPLY TO THIS PROJECT

SCHEMATIC SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
XX		KEYED NOTE
		POINT OF CONNECTION TO EXISTING
		EXTENT OF DEMOLITION
XXXXX		EXISTING PIPE TO BE REMOVED
		NEW PIPING
		EXISTING PIPING TO REMAIN
		NEW PIPE CONNECTION TO EXISTING PIPING
		SLOPE OF PIPE
		DIRECTION OF FLOW
		DROP IN PIPE
		RISE IN PIPE
		TOP CONNECTION, 45° OR 90°
		BOTTOM CONNECTION, 45° OR 90°
		CAPPED OUTLET
		SIDE CONNECTION
		UNION
		FLANGED UNION
		ORIFICE UNION
		REDUCER OR INCREASER
		ECCENTRIC REDUCER
		PIPE GUIDE
		FLEXIBLE CONNECTION
		UNIVERSAL TEMPERATURE-PRESSURE FITTING (PETE'S PLUG)
		STRAINER WITH BLOWDOWN VALVE & HOSE BIBB
		THERMOMETER
		PRESSURE GAUGE AND GAUGE COCK
		AQUASTAT
OR		WATER HAMMER ARRESTOR
		TEST PLUG (PRESS/TEMP)
		PENETRATION
A	MAV	MANUAL AIR VENT (MAV)
	AAV	AUTOMATIC AIR VENT (AAV)
	FS/FD/AD	FLOOR SINK , FLOOR DRAIN , AREA DRAIN
	FCO/COTG	FLOOR CLEANOUT/CLEANOUT TO GRADE
	DCOTG	TWO WAY OR DOUBLE CLEANOUT TO GRADE
	RD/ORD/DD	ROOF DRAIN/OVERFLOW DRAIN/DECK DRAIN
	TP	TRAP PRIMER WITH ACCESS PANEL
	VTR	VENT THROUGH ROOF
	AG	AIR GAP FITTING
	(WH) (HB)	WALL HYDRANT, HOSE BIBB
	WCO	WALL CLEANOUT

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AG MOD PHASE 3: NEALE HALL DEMO

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3198 S. Espina St
Las Cruces, NM 88001

MARCH 13, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
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PROJECT NO:	773B
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CHECKED BY:	IM

SHEET TITLE

PLUMBING LEGEND

P-001

School Information

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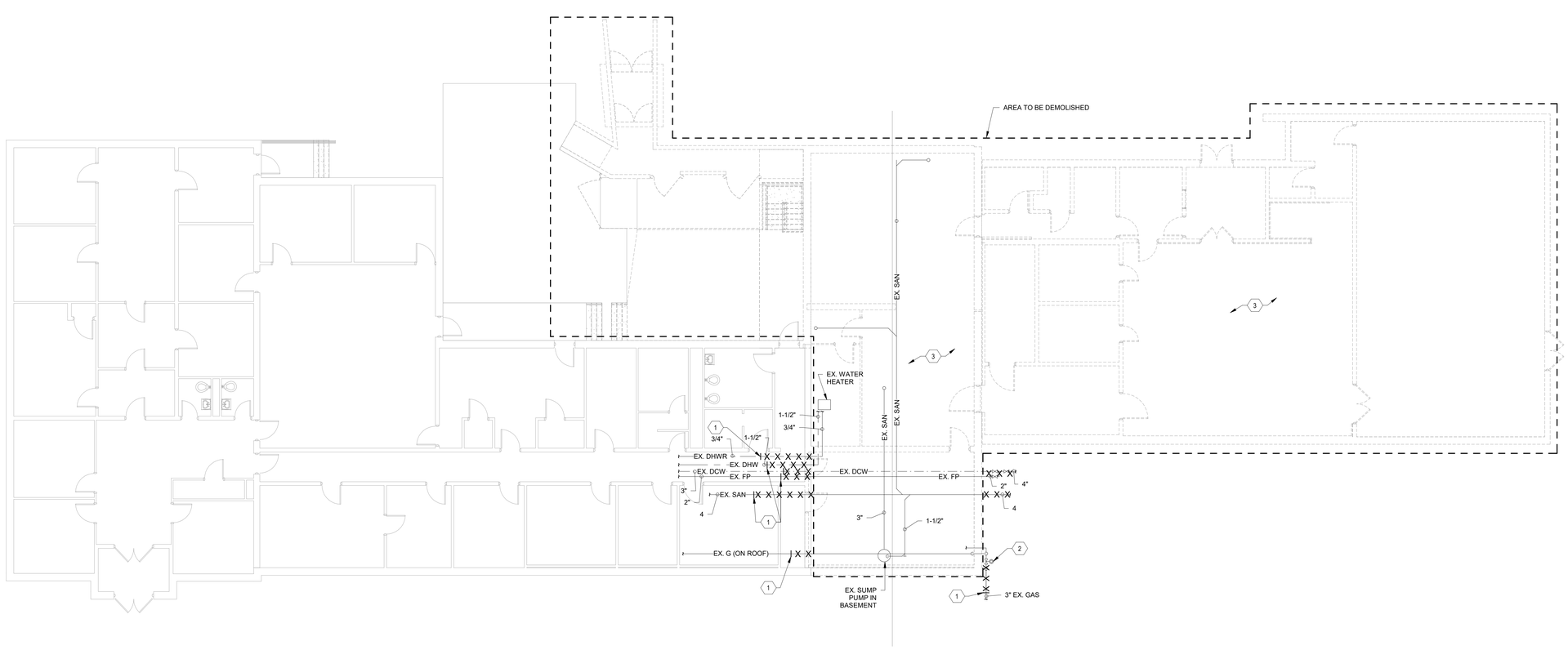
D:\SDCR Revit local 20211867B_NMSU Biomed Research PH3 Derro_MEP_DCRomero.rvt
3/12/2024 2:57:58 PM
Bridgers & Paxton Project No: 8678

KEYED NOTES

1. REMOVE PIPING UP TO THIS POINT.
2. GAS REGULATOR SHALL BE REMOVED AND RELOCATED. SEE SHEET PP100.
3. ALL PLUMBING FIXTURES AND EQUIPMENT IN THIS AREA SHALL BE REMOVED COMPLETE.

GENERAL NOTES

A. DEMOLITION PLANS HAVE BEEN DEVELOPED FROM EXISTING PLANS AND FIELD OBSERVATIONS AND ARE ONLY SCHEMATIC IN NATURE. THEY ARE INTENDED TO GIVE THE CONTRACTOR A GENERAL DESCRIPTION OF THE SCOPE OF WORK INVOLVED, BUT ARE NOT ALL INCLUSIVE. SOME ADDITIONAL WORK MAY BE REQUIRED AS TYPICALWITH RENOVATION PROJECTS. FIELD VERIFY LOCATIONS OF EXISTING SYSTEMS PRIOR TO STARTING CONSTRUCTION. TAKE CARE NOT TO DAMAGE WORK WHICH IS TO REMAIN.
B. PLUMBING EQUIPMENT, PLUMBING FIXTURES, PIPES, ETC., SHALL BE REMOVED AS INDICATED BY DASHED LINES, AND/OR "X"S OR BY KEYED NOTES ON PLANS.
C. COORDINATE UTILITY OUTAGES WITH THE OWNERS AND USERS AT AFFECTED LOCATIONS.
D. CAP OPEN ENDS WHICH REMAIN WHEREVER PIPING REMOVED. REMOVE AND REPLACE ALL ITEMS RELATED TO PLUMBING FIXTURES, WASTE AND VENT LINES, COLD WATER, HOT WATER, FIRE PROTECTION LINES, SPRINKLER HEADS, AND GAS PIPING. PIPING BELOW GRADE MAY BE CAPPED AND ABANDONED IN PLACE.
E. WHERE UNDERGROUND PIPING IS INDICATED TO BE REMOVED, CONTRACTOR MAY AT HIS DISCRETION, ABANDON IN PLACE PROVIDED HE CAPS ALL OPEN ENDS OF PIPE.



A1 PLUMBING OVERALL DEMOLITION PLAN
1/8" = 1'-0"

0' 4' 8' 16'

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PLUMBING OVERALL DEMOLITION PLAN

PD100

School Information

Bridgers & Paxton Project No: 8678 3/12/2024 2:58:00 PM D:\DCR Revit local\2021\8678_NMSU Biomed Research PH3 Demo_MEP_DCRomero.rvt

KEYED NOTES

1. ROUTE PIPING BELOW GRADE.
2. SEE CIVIL DRAWINGS FOR CONTINUATION.
3. INSTALL DOUBLE CLEANOUT TO GRADE IN ACCORDANCE WITH DETAIL B1/P-501.

GENERAL NOTES

A. ALL NEW SANITARY SEWER PIPING (SAN) SHALL BE INSTALLED BELOW FLOOR UNLESS NOTED OTHERWISE.

A1 WASTE & VENT OVERALL PLAN
1/8" = 1'-0"

0' 4' 8' 16'

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WASTE & VENT OVERALL PLAN

PL100

School Information

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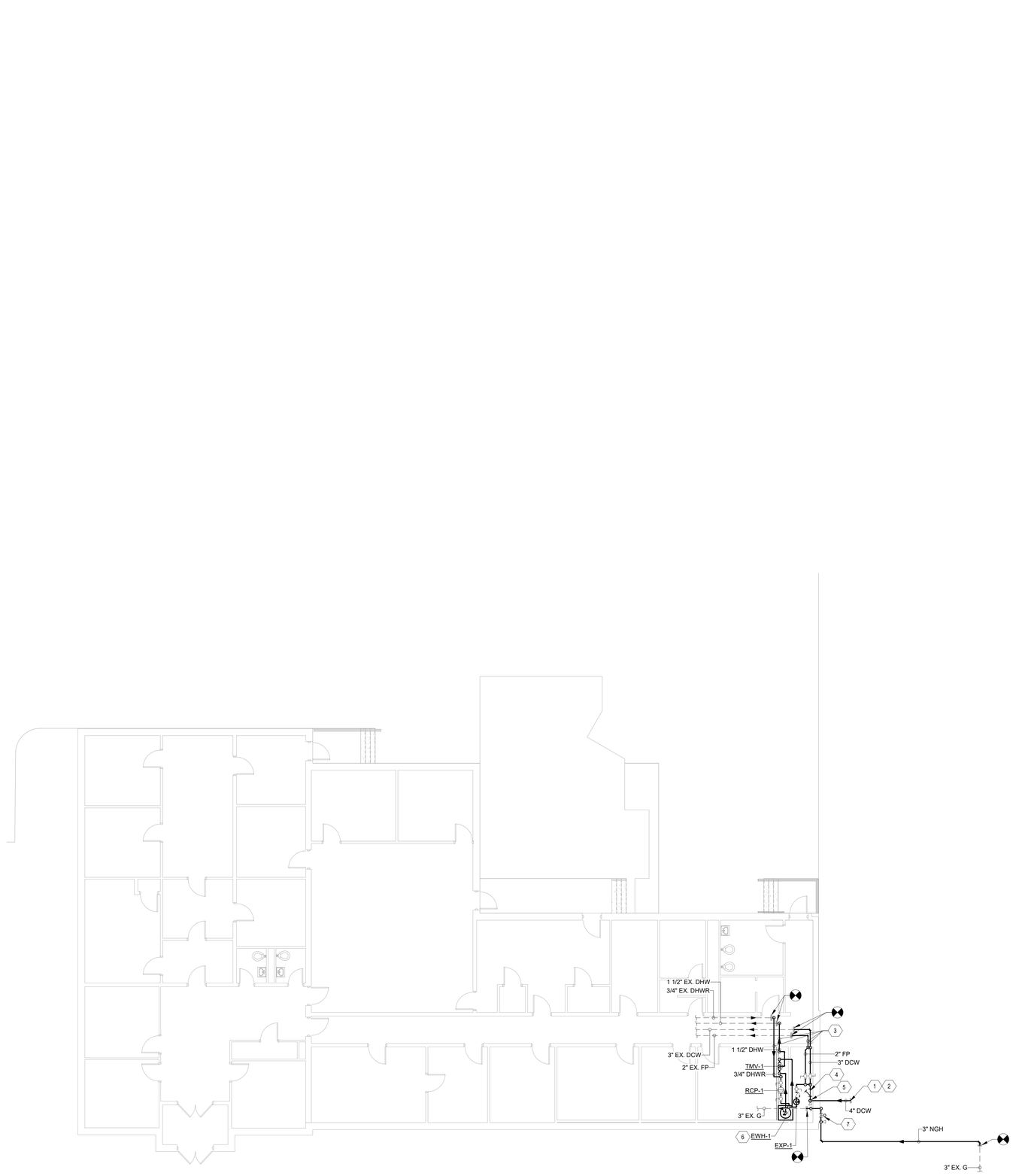

A1 PRESSURE PIPING OVERALL PLAN
1/8" = 1'-0"

0' 4' 8' 16'

KEYED NOTES

1. ROUTE PIPING BELOW GRADE.
2. SEE CIVIL DRAWINGS FOR CONTINUATION.
3. ROUTE PIPING BELOW FLOOR.
4. INSTALL DOMESTIC WATER ENTRY ASSEMBLY IN ACCORDANCE WITH DETAIL D2/P-501.
5. INSTALL WATER ENTRY THRU FOOTING IN ACCORDANCE WITH DETAIL D1/P-501.
6. INSTALL DOMESTIC WATER HEATER IN ACCORDANCE WITH DETAIL C4/P-501.
7. INSTALL RELOCATED GAS REGULATOR WITH HARDSCAPE PENTRATION IN ACCORDANCE WITH DETAIL B2/P-501.

GENERAL NOTES

A. ALL NEW DOMESTIC COLD WATER PIPING (DCW) SHALL BE INSTALLED HIGH IN EXPOSED CEILING SPACE UNLESS NOTED OTHERWISE.
B. ALL NEW DOMESTIC HOT WATER PIPING (DHW) SHALL BE INSTALLED HIGH IN EXPOSED CEILING SPACE UNLESS NOTED OTHERWISE.
C. ALL NEW DOMESTIC HOT WATER RETURN PIPING (DHWR) SHALL BE INSTALLED HIGH IN EXPOSED CEILING SPACE UNLESS NOTED OTHERWISE.
D. ALL NEW NATURAL GAS PIPING (NGH) SHALL BE INSTALLED BELOW GRADE.

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ENGINEER

NM STATE

AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 13, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	773B
DRAWN BY:	DCR
CHECKED BY:	IM

SHEET TITLE

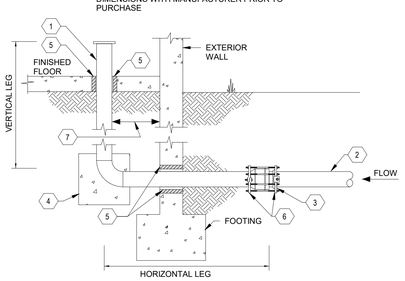
PRESSURE PIPING OVERALL PLAN

PP100

School Information

Bridgers & Paxton Project No: 8678 3/12/2024 2:58:01 PM D:\SDCR Revit local\2021\8678_NMSU Biomed Research PH3 Demo_MEP_DCRomero.rvt

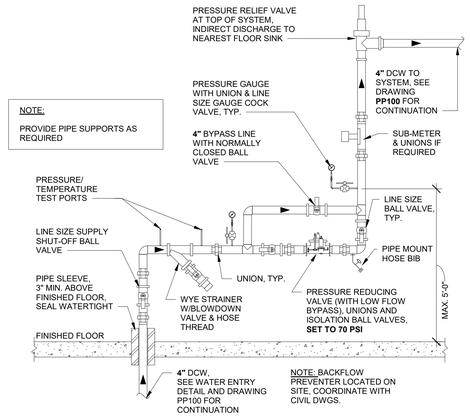
NOTE:
- AMES SERIES IBR2: CONNECTION SIZE 2" TO 3"
- AMES SERIES IBR: CONNECTION SIZE 4" TO 12"
  - COORDINATE EACH VERTICAL & HORIZONTAL LEG DIMENSIONS WITH MANUFACTURER PRIOR TO PURCHASE



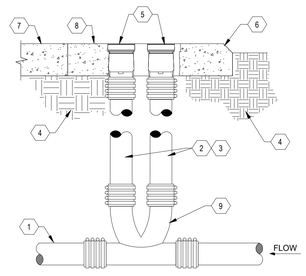
1. AMES IN-BUILDING RISER, STAINLESS STEEL TYPE 304, COORDINATE MODEL NUMBER WITH PLUMBING PLANS AND WATER SERVICE SIZE, PRIOR TO PURCHASE
2. DUCTILE IRON (FOR WATER SERVICE 3" OR LARGER) OR PVC WATER SERVICE
3. MECHANICAL JOINT FROM SUPPLY PIPE TO STAINLESS STEEL, CONTINUE INTO BUILDING WITH STAINLESS STEEL
4. CONCRETE THRUST BLOCK SIZED IN ACCORDANCE WITH IBC IF REQUIRED AHJ
5. PIPE SLEEVE, SEE SPECIFICATIONS
6. MEGALUG PIPE RESTRAINT HARNESS
7. VERTICAL SECTION OF RISER LOCATED AS CLOSE AS POSSIBLE TO WALL

D1 WATER ENTRY THRU FOOTING DETAIL
SCALE: NOT TO SCALE

NOTE:
PROVIDE PIPE SUPPORTS AS REQUIRED

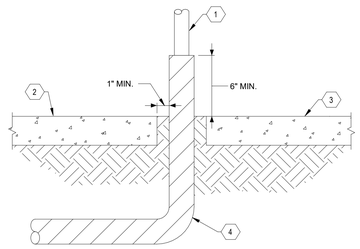


D2 DOMESTIC WATER ENTRY ASSEMBLY
SCALE: NOT TO SCALE



1. SERVICE LINE, SEE SPECIFICATIONS FOR PIPE MATERIALS
2. SAME SIZE AS SERVICE LINE, THRU 4" PIPE, MAXIMUM 4"
3. SIZE REQUIRED FOR CAST IRON SOIL PIPE RISER AND FITTINGS
4. COMPACTED EARTH, SEE SPECIFICATIONS
5. CLEANOUT WITH HEAVY DUTY SCORIATED SECURED TOP
6. 2" CHAMFER ON ALL COLLARS IN EARTH
7. FINISH HARDSCAPE. SEE SITE PLAN DRAWINGS FOR ELEVATIONS
8. 4"THICK CONCRETE PAD
9. TWO-WAY CLEANOUT FITTING

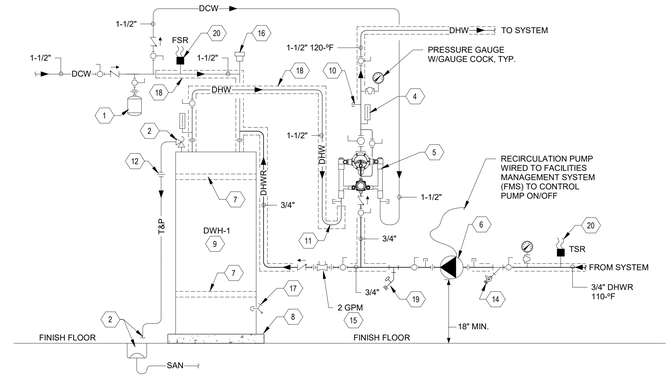
B1 DOUBLE CLEANOUT TO GRADE DETAIL
SCALE: NOT TO SCALE



1. NATURAL GAS CARRIER LINE
2. FINISH GRADE
3. CONCRETE SLAB OR PAVING
4. SCOTCHRAP TAPE #51 (20 MIL.)

B2 GAS HARDSCAPE PENETRATION DETAIL
SCALE: NOT TO SCALE

NOTE:
- INSTALL THERMOSTATIC MIXING VALVE ASSEMBLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION.
- PROVIDE PIPING SCHEMATIC WITH SUBMITTALS.



1. IN-LINE EXPANSION TANK, **EXP-1**
2. FULL SIZED T&P RELIEF VALVE. DISCHARGE TO FLOOR SINK WITH AIR GAP OF 2X PIPE DIA. ABOVE FLOOR SINK RIM
3. NOT USED
4. THERMOMETER (TYPICAL)
5. THERMOSTATIC MIXING VALVE, **TMV-1**
6. RECIRCULATION PUMP, **RCP-#**
7. SEISMIC STRAPPING PER UPC 508.2 OR **IPC 502.4 (IF REQUIRED)**
8. 4" MIN. HOUSEKEEPING PAD
9. DOMESTIC WATER HEATER, SEE SPEC'S
10. PETE'S PLUGS (TYPICAL)
11. HEAT TRAP PER MFG. SPEC'S
12. UNION (TYPICAL)
13. NOT USED
14. WYE STRAINER WITH BLOWDOWN VALVE
15. CIRCUIT SETTER/BALANCING VALVE, SET TO GPM SHOWN
16. 3/4" VACUUM RELIEF VALVE
17. TANK DRAIN, PROVIDE WITH BALL VALVE AND 3/4" NPT OUTLET.
18. FIRST 8 FT OF PIPING INLET/OUTLET MUST BE INSULATED PER 2018 IECC (SEC. C404.3). INSULATE REST OF HOT WATER SYSTEM PER SPECIFICATIONS
19. PIPE MOUNT HOSE BIB
20. FLOW SENSOR (FSR) ON COLD WATER INLET, TEMPERATURE SENSOR (TSR) ON HOT WATER RETURN, WIRED TO FACILITY MANAGEMENT SYSTEM (FMS), PER 2018 IECC C404.6.1. COORDINATE WITH CONTROLS.

C4 DOMESTIC WATER HEATER W/FMS - 2018 IECC
SCALE: NOT TO SCALE

ELECTRIC WATER HEATER SCHEDULE

NOTE:ALL WATER HEATERS SHALL COMPLY FULLY WITH THE 2018 IECC TABLE C404.2, MINIMUM PERFORMANCE OF WATER-HEATING EQUIPMENT

SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	TYPE	SET POINT (DEGREES)	STORAGE VOLUME (GAL.)	OPERATION WEIGHT	ELECTRICAL						HOT WATER RECOVERY		REMARKS:
									V	PH	HZ	NUMBER OF ELEMENTS	WATTS	FLA	RATE (GPH)	Δ T ºF	
EWH-1	A.O. SMITH	DSE-30A		DOMESTIC HOT WATER	ELECTRIC TANK TYPE	140 F	40	470 LBS.			60	1	6000		27	90	INSTALLL ON 4" MIN. HOUSEKEEPING PAD. ROUTE FULL SIZED T&P RELIEF VALVE TO EXTERIOR.

PLUMBING PUMP SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	TYPE	SYSTEM CAPACITY		PUMP (RPM)	MOTOR (HP)	ELECTRICAL				REMARKS:
						GPM	TOTAL FT. HD.			V	PH	HZ	AMPS	
RCP-1	BELL & GOSSETT	ECOCIRC+ 20-18 NO. 60B0B1004		DOMESTIC HOT WATER	IN-LINE	2	12	VARIABLE	1/12	115	1	60	.06-1.02	STAINLESS STEEL BODY, FLANGED CONNECTION, ADJUSTABLE SPEED, LED INDICATORS, NUMERIC DISPLAY. FOR POTABLE WATER.

THERMOSTATIC MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	OUTLET TEMPERATURE	INLET PIPE SIZE	OUTLET PIPE SIZE	RETURN PIPE SIZE	SYSTEM FLOW & PRESSURE DROP	REMARKS:
TMV-1	LEONARD	TM-520B-LF-DT-IT		DOMESTIC HOT WATER	120 F	3/4"	1"	3/4"	19 GPM @ 5 PSIG	ASME 1017, ROUGH BRASS, LEAD FREE, WALL MOUNT, INLET THERMOMETERS.

EXPANSION TANK SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	SERVICE	DESIGN DEG ºF	TANK VOLUME (GAL.)	TANK ACCEPTANCE (GAL.)	PSIG	WEIGHT (LBS.)	REMARKS:
EXP-1	AMTROL	ST-5C-DD	DOMESTIC HOT WATER	140 F	2	0.45	55	10	IN-LINE, ASME RATED.

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PLUMBING DETAILS

P-501

School Information

ELECTRICAL SYMBOL LEGEND (NOT ALL SYMBOLS APPLY TO THIS PROJECT)

UPDATED: 09/07/2016

ABBREVIATIONS

ABBREV.	DEFINITION
A	AMPS, AMPERE, AMPERAGE
AC	ABOVE COUNTER
A/C	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ATSC	AUTOMATIC TRANSFER SWITCH CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
A/V	AUDIO/VISUAL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CLOCK
CLF	CURRENT LIMITING FUSE
CO	CONDUIT ONLY
CU	COPPER
D	DIMMING
DC	DIRECT CURRENT
DL	DAY-LIGHTING
DIA	DIAMETER
E	EMERGENCY
EC	EMERGENCY, CRITICAL
EG	ENGINE GENERATOR
EL	EMERGENCY, LIFE SAFETY
EQ	EMERGENCY, EQUIPMENT
EX	EXISTING
FUT	FUTURE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FDR	FEEDER
FMS	FACILITY MANAGEMENT SYSTEM
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
G OR GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFEP	GROUND FAULT EQUIPMENT PROTECTION
GFP	GROUND FAULT PROTECTION
GND	GROUND.
HOA	HAND-OFF-AUTOMATIC.
HP	HORSEPOWER
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPS
KVAR	KILOVOLT AMPS REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR.
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT PROTECTION
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MIN	MINIMUM
MM	MIXED MEDIA
MTS	MANUAL TRANSFER SWITCH
MVA	MEGAVOLT AMPS
N	NEW
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NORMAL
NM	NEW MEXICO
NO	NORMALLY OPEN
O/H	OVERHEAD
P	POLE
PA	PUBLIC ADDRESS
PC	PHOTOCELL
PH	PHASE
PMCS	POWER MONITORING AND CONTROL SYSTEM
R	REMOVED/REMOVAL
RC	ROOM CONTROLLER
RSC	RIGID STEEL CONDUIT
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
TEMP	TEMPORARY
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP.	TYPICAL
UC	UNDER COUNTER
U/G	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
UL	UNDERWRITERS' LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTABLE POWER SUPPLY
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W	WALL MOUNTED
WG	WEATHERPROOF AND GFCI
WP	WEATHERPROOF
XFER	TRANSFER
XFMR (TRANSF)	TRANSFORMER

REFERENCE TAGS

SYMBOL	DEFINITION
⬡	KEYED NOTE REFERENCE
VAV-9	MECHANICAL EQUIPMENT REFERENCE
+44"	DENOTES MOUNTING HEIGHT AFF
▭	KITCHEN EQUIPMENT REFERENCE
⬭	MEDICAL EQUIPMENT REFERENCE

EQUIPMENT NAMING CONVENTION

- 1, 2, 3, . . . = SUBFED PANEL
- A, B, C, . . . = SEQUENCE OF PANELS OF THIS TYPE
- 0, 1, 2, 3, . . = FLOOR LEVEL (SB=SUB-BASEMENT, B=BASEMENT, M=MEZZANINE, P=PENTHOUSE)
  - T = TRANSFORMER
  - DB = DISTRIBUTION BOARD
  - DP = DISTRIBUTION PANEL
  - MSB= MAIN SWITCH BOARD
  - MCC= MOTOR CONTROL CENTER
  - I = ISOLATED PANELBOARD
  - ATS = AUTOMATIC TRANSFER SWITCH
  - PDU= POWER DISTRIBUTION UNIT
  - UPS = UNINTERRUPTABLE POWER SUPPLY
  - B = BUSWAY
- H = HIGH VOLTAGE PANELBOARD (480Y/277V)
- L = LOW VOLTAGE PANELBOARD (208Y/120V)
- BLANK FOR NORMAL POWER
  - E = EMERGENCY
  - EL = EMERGENCY-LIFE SAFETY-BRANCH
  - EC = EMERGENCY-CRITICAL-BRANCH
  - EQ = EMERGENCY-EQUIPMENT-BRANCH
- SES = SERVICE ENTRANCE SECTION NUMBER OR MAIN EMERG SWBD NUMBER

EXAMPLES:
A. SES1 (SERVICE ENTRANCE SECTION #1)
B. 1H1A (SERVED FROM SES#1, 480/277 NORMAL, LEVEL 1, FIRST BOARD)
C. 1EQH1A (SERVED FROM MAIN EMER SWBD #1, 480/277 EQUIP POWER, LEVEL 1, FIRST BOARD)

RACEWAY & CONDUCTORS

BRANCH CIRCUIT GENERAL INFORMATION:

BRANCH CIRCUITS FROM OVERCURRENT PROTECTION (20A) TO FURTHEST DEVICE SHALL NOT EXCEED 75 FEET FOR #12AWG COPPER AND 150 FEET FOR #10AWG COPPER; MEASURED ALONG CONDUCTORS ROUTING PATH. BRANCH CIRCUITS EXCEEDING 150 FEET WILL BE SIZED SO THAT VOLTAGE DROP DOES NOT EXCEED 3%.

SYMBOL	DESCRIPTION
= GROUND = HOT/PHASE = NEUTRAL = SWITCH LEG	CONDUCTOR IDENTIFICATION SYMBOLS. REFER TO PLANS FOR COMBINATION USE. CONDUCTOR IDENTIFICATION MOSTLY USED IN HOMERUN LOCATION, BUT CAN ALSO BE USED IN BRANCH CIRCUITING WHERE APPLIED. GROUND CONDUCTORS WILL BE INSTALLED IN ALL RACEWAYS WHETHER SHOWN OR NOT.
LA-1	HOMERUN FROM EQUIPMENT LOCATION. THE CIRCUIT NUMBER ADJACENT TO HOMERUN INDICATES PANEL SOURCE AND INDIVIDUAL SINGLE POLE CIRCUIT BREAKER(S). CONDUCTOR IDENTIFICATION SYMBOL INDICATES NUMBER OF CONDUCTORS IN HOMERUN. MINIMUM #12 CONDUCTORS AND 3/4" RACEWAY PATH WILL BE PROVIDED IN HOMERUN UON. ALL HOMERUNS WILL INCLUDE GROUND CONDUCTOR.
LA-1,3	HOMERUN FROM EQUIPMENT LOCATION. THE CIRCUIT NUMBER ADJACENT TO HOMERUN INDICATES PANEL SOURCE AND INDIVIDUAL SINGLE POLE CIRCUIT BREAKER(S). SYMBOL REPRESENTS A MULTI-BRANCH CIRCUIT. NUMBER OF CONDUCTORS IN HOMERUN WILL INCLUDE A SEPARATE NEUTRAL FOR EACH CIRCUIT PHASE CONDUCTOR. MINIMUM #12 CONDUCTORS AND 3/4" RACEWAY PATH WILL BE PROVIDED IN HOMERUN UON. ALL HOMERUNS WILL INCLUDE GROUND CONDUCTOR.
LA-5,7,9	
LA-1,3	HOMERUN FROM EQUIPMENT LOCATION. THE CIRCUIT NUMBER ADJACENT TO HOMERUN INDICATES PANEL SOURCE AND INDIVIDUAL TWO OR THREE POLE CIRCUIT BREAKERS. CONDUCTOR IDENTIFICATION SYMBOL INDICATES NUMBER OF CONDUCTORS IN HOMERUN. MINIMUM #12 CONDUCTORS AND 3/4" RACEWAY PATH WILL BE PROVIDED IN HOMERUN UON. NEUTRAL MAY BE USED WHERE INDICATED ON PLAN. ALL HOMERUNS WILL INCLUDE GROUND CONDUCTOR.
LA-5,7,9	
	CONCEALED RACEWAY BETWEEN DEVICES AND OR EQUIPMENT IN WALLS OR IN CEILING SPACE
	UNDERGROUND RACEWAY BETWEEN DEVICES AND OR EQUIPMENT
	EXPOSED RACEWAY BETWEEN DEVICES AND OR EQUIPMENT ON WALLS OR CEILINGS
DOWN UP	CONDUIT TURNS
	CONDUIT STUBBED AND CAPPED
B	BUSWAY
G	GROUNDING CONDUCTOR
	CABLE TRAY - POWER AND TELECOMMUNICATIONS
T	TELECOMMUNICATIONS RACEWAY
D	DATA RACEWAY
V/D	VOICE/DATA COMBINATION RACEWAY
FA	FIRE ALARM RACEWAY

GENERAL DRAWING SYMBOLS

- A / E4 — SECTION/ELEVATION LETTER OR DETAIL NUMBER
- 6 / E4 — DRAWING NUMBER WHERE DETAILED
- 6 / E3 E4 — SECTION/ELEVATION LETTER OR DETAIL NUMBER
- A / E3 E4 — DRAWING NUMBER WHERE DETAILED
- DRAWING NUMBER WHERE TAKEN
- NORTH — NORTH ARROW OR MATCH ARCHITECT'S
- 0 10' 20' 40' 80' — 1" = 40'-0" — SCALE BAR OR MATCH ARCHITECT'S

DEMOLITION

SYMBOL	DESCRIPTION	NOTES
	DASHED SYMBOL INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED	REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION
R	REMOVE EXISTING RACEWAY IN ALL ACCESSIBLE AREAS. CAPPED AND ABANDONED IF IN UNACCESSIBLE AREA	
	SOLID SYMBOL, LIGHTER IN COLOR INDICATES EXISTING DEVICE OR EQUIPMENT TO REMAIN	
EX	EXISTING CONDUIT TO BE REUSED	

DEVICES

DEVICE INDICATOR LETTER. "X" EQUALS DESIGNATION BELOW (TYPICAL FOR MOST RECEPTACLE TYPES):
- BLANK FOR NORMAL POWER
- G = GFCI RATED
- IG = ISOLATED GROUND
- T = TAMPERPROOF
- WG = WEATHERPROOF AND GFCI
- WP = WEATHERPROOF (IN-USE COVER)
- CL = CLOCK
- TV = TELEVISION

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
X	IN FLOOR DUPLEX RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS	FLOOR	VARIES
X	IN FLOOR DOUBLE DUPLEX (QUADPLEX) RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS		
X	IN FLOOR EMERGENCY DUPLEX RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS		
X	IN FLOOR EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS		
X	COMBINATION DUPLEX RECEPTACLE AND COMMUNICATIONS FLOORBOX. DEVICE CONFIGURATION AS INDICATED ON PLANS.		
X	CEILING MOUNTED DUPLEX RECEPTACLE	CEILING	FLUSH
X	CEILING MOUNTED DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	CEILING MOUNTED EMERGENCY DUPLEX RECEPTACLE		
X	CEILING MOUNTED EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	COMBINATION POWER/COMMUNICATION IN CEILING OUTLET. CONFIGURATION AS INDICATED ON PLANS		
X	SIMPLEX RECEPTACLE	WALL, UON	+18", UON
X	DUPLEX RECEPTACLE		
X	DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	EMERGENCY DUPLEX RECEPTACLE		
X	EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	SPECIAL PURPOSE RECEPTACLE. NEMA CONFIGURATION AND AMPERAGE AS NOTED ON PLANS		
	MULTI-OUTLET ASSEMBLY (SURFACE MOUNTED RACEWAY)	VARIES SEE PLANS	VARIES SEE PLANS
	COMBINATION POWER/COMMUNICATION POLE. CONFIGURATION AS NOTED ON PLANS		
J	WALL MOUNTED CODE SIZE J-BOX	VARIES SEE PLANS	VARIES SEE PLANS
J	CODE SIZE JUNCTION BOX		
P	CODE SIZE PULLBOX (OR AS SIZED ON PLAN)		
•	PUSHBUTTON (EMERGENCY POWER OFF - EPO)		
PC	PHOTOCELL		
•	LIGHTNING PROTECTION AIR TERMINAL	ROOF	VARIES
T	THERMOSTAT	WALL	+44" UON
CB 30/3R	ENCLOSED CIRCUIT BREAKER. AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON	VARIES	VARIES
30/1	NON-FUSED DISCONNECT SWITCH. AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON		
30/3R	FUSED DISCONNECT SWITCH. AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON		
0/1	MOTOR STARTER. STARTER SIZE INDICATED BY NUMBER/NEMA ENCLOSURE RATING, SINGLE SPEED UON		
1/30/3R	COMBINATION FUSIBLE DISCONNECT SWITCH AND MOTOR STARTER. NEMA STARTER SIZE/AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON		
5	MOTOR. NUMBER INDICATES HORSEPOWER RATING FOR 1HP AND LARGER	N/A	N/A
F	MOTOR. "F" INDICATES FRACTIONAL HORSEPOWER		

EQUIPMENT

SYMBOL	DESCRIPTION
MSB	MAIN SWITCHBOARD. DASHED LINES INDICATE CLEARANCES.
DB	DISTRIBUTION BOARD OR PANEL. DASHED LINES INDICATE CLEARANCES.
H1A	FLUSH MOUNTED PANELBOARD. DASHED LINES INDICATE CLEARANCES.
L1A	SURFACE MOUNTED PANELBOARD. DASHED LINES INDICATE CLEARANCES.
MCC	MOTOR CONTROL CENTER. DASHED LINES INDICATE CLEARANCES.
T1A	DRY TYPE TRANSFORMER (15kVA OR ABOVE). WITH EQUIPMENT TAG (TAG INSIDE OR OUTSIDE, DEPENDING ON SIZE). IN MOST CASES, ACTUAL SIZE SHOWN ON PLANS (ELECTRICAL ROOMS).
T	DRY TYPE TRANSFORMER (LESS THAN 15kVA), WITH NO EQUIPMENT TAG. SIZE, TYPE AND LOCATION NOTED ON PLANS.
VFD	VARIABLE FREQUENCY DRIVE
UPS-A	UNINTERRUPTABLE POWER SUPPLY. DASHED LINES INDICATE CLEARANCES.
ATS-1	AUTOMATIC TRANSFER SWITCH. DASHED LINES INDICATE CLEARANCES.
G	GROUND BAR

LIGHTING

REFER TO LUMINAIRE SCHEDULE FOR ALL LUMINAIRE TYPES WHETHER WALL MOUNTED OR CEILING MOUNTED.

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
	HATCHING INDICATES EMERGENCY LIGHTING. HATCH WILL BE MODIFIED FOR EACH LUMINAIRE TYPE. EMERGENCY LUMINAIRE DESIGNATED WITH "E" IN TYPE DESIGNATION.	VARIES	REFER TO LIGHTING SCHEDULE
3 A a	RECESSED MOUNTED LUMINAIRE. SMALL CASE "a" DENOTES SWITCHING, NUMBER "3" DENOTES BRANCH CIRCUITING. SYMBOL "A" DENOTES LUMINAIRE TYPE	CEILING	
	SURFACE MOUNTED LUMINAIRE. LUMINAIRE TYPE AS INDICATED ON PLANS		
	LINEAR DIRECT/INDIRECT LUMINAIRE. CABLE OR STEM MOUNTED		
	DOWN LIGHT LUMINAIRE; CEILING MOUNTED		
	WALL MOUNTED LUMINAIRES	WALL	
	TRACK MOUNTED LUMINAIRES	SURFACE	
	STRIP LUMINAIRE		
WALL / CEILING	EXIT LUMINAIRE. SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON PLANS	VARIES	
WALL / CEILING	DOUBLE FACE EXIT LUMINAIRE. SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON PLANS		
	EMERGENCY BATTERY PACK LUMINAIRE (BUG-EYE/FROG-EYE)		
	SINGLE HEAD, POLE MOUNTED LUMINAIRE	EXTERIOR	AS DETAILED
	DOUBLE HEAD, POLE MOUNTED LUMINAIRE		
$ X	DEVICE INDICATOR LETTER. "X" EQUALS DESIGNATION BELOW (TYPICAL FOR MOST SWITCH TYPES): a = SMALL CASE LETTER DENOTES SWITCHING CONTROL; 2 = DOUBLE POLE TOGGLE SWITCH; 3 = THREE-WAY TOGGLE SWITCH; 4 = FOUR-WAY TOGGLE SWITCH; P = PILOT LIGHT TOGGLE SWITCH; M = MOMENTARY CONTACT SWITCH; K = KEY OPERATED SWITCH; WP = WEATHERPROOF TOGGLE SWITCH; T = MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION; D = DIMMER SWITCH; TW= TWIST TIMER SWITCH	WALL	+44" UON
OS	WALL MOUNTED OCCUPANCY SENSOR; TYPE AS INDICATED ON PLANS		
OS	CEILING MOUNTED OCCUPANCY SENSOR; TYPE AS INDICATED ON PLANS	CEILING	SURFACE
DL	DAY-LIGHTING SENSOR; TYPE AS INDICATED ON PLANS		
RC	ROOM CONTROLLER; TYPE AS INDICATED ON PLANS		

UTILITIES

SYMBOL	DESCRIPTION
•	DISTRIBUTION POLE FOR OVERHEAD ELECTRICAL OR COMMUNICATIONS AS INDICATED ON PLAN.
X X X	OVERHEAD UTILITY AND OR SYSTEM DISTRIBUTION. 3PH = THREE PHASE; 1PH = SINGLE PHASE; P = ELECTRICAL PRIMARY; S = ELECTRICAL SECONDARY; T = TELECOMMUNICATION; TV = TELEVISION; E = EMERGENCY POWER; ATSC = AUTOMATIC TRANSFER SWITCH CONTROL; N = NEW; EX = EXISTING
X X X	UNDERGROUND UTILITY AND OR SYSTEM DISTRIBUTION.
UT	UTILITY OR FACILITY TRANSFORMER
S	PAD MOUNTED SWITCH
CC	CONNECTION CABINET (UTILITY METER MOUNT)
PM	PRIMARY SITE METER ENCLOSURE
ME	METER ENCLOSURE. EITHER ON BUILDING OR ON UTILITY EQUIPMENT
CT	CT ENCLOSURE. EITHER ON BUILDING OR ON UTILITY EQUIPMENT
MH	MANHOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
HH	HAND HOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
EG	ENGINE GENERATOR
TP	TELECOMMUNICATION PEDESTAL
TVP	TELEVISION PEDESTAL

FIRE ALARM

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
FACP	FIRE ALARM CONTROL PANEL	WALL	-
FATC	FIRE ALARM TERMINAL CABINET (EQUIPMENT NAMING CONVENTION PER PLANS)		
FAA	FIRE ALARM ANNUNCIATOR PANEL	WALL	+44"
F	PULL STATION		
	FIREMAN'S TELEPHONE OUTLET		
F	HORN NOTIFICATION	WALL	+80" UON
S	SPEAKER NOTIFICATION		
C	CHIME NOTIFICATION		
	COMBINATION SPEAKER AND CHIME NOTIFICATION		
	SPEAKER/HORN WITH STROBE LIGHT		
	STROBE LIGHT ONLY		
B	BELL (GONG)		
P	PHOTOELECTRIC SMOKE DETECTOR	CEILING	SURFACE
I	IONIZATION SMOKE DETECTOR		
R/F	COMBINATION RATE OF RISE / FIXED TEMPERATURE		
F	FIXED TEMPERATURE; TEMPERATURE AS NOTED ON PLANS OR SPECIFICATIONS		
R	RATE OF RISE ONLY		
BT	BEAM TRANSMITTER	CEILING OR WALL	VARIES
BR	BEAM RECEIVER		
U	UNDER FLOOR SMOKE DETECTOR	UNDER FLOOR	SEE PLANS
	DUCT DETECTOR	AT DUCT	SEE PLANS
	FIRE/SMOKE DAMPER		
PS	PRESSURE SWITCH	PIPE	VARIES
TS	TAMPER SWITCH		
FS	FLOW SWITCH		
PIV	POST INDICATOR VALVE		
M	MAGNETIC DOOR HOLDER	VARIES	SEE PLANS
R	CONTROL RELAY		
MM	MONITOR MODULE		
	REMOTE ALARM INDICATING LIGHT		
R	ADDRESSABLE/SUPERVISED RELAY		

ONE-LINE DIAGRAM

SYMBOL	DESCRIPTION
300 / 400	CIRCUIT BREAKER; TRIP SETTING/FRAME SIZE OR NO. OF POLES. SETTINGS AND PROTECTION AS NOTED ON PLANS
300 / 400	DRAWOUT CIRCUIT BREAKER (TRIP SETTING / FRAME SIZE)
300 / 400	MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER (TRIP SETTING / FRAME SIZE)
T1A 75KVA K-4 — 208Y/120V Y, Δ 480V	TRANSFORMER. TRANSFORMER NAME, TRANSFORMER kVA RATING, PRIMARY VOLTAGE AND WIRING CONFIGURATION, SECONDARY VOLTAGE, K RATING (IF APPLICABLE)
3000/5	CURRENT TRANSFORMER, NUMBER "3000/5" DENOTES RATIO.
	POTENTIAL TRANSFORMER.
300A	DISCONNECT SWITCH. "300A" DENOTES AMPERAGE RATING
300A	FUSE. "300A" DENOTES AMPERAGE RATING
G	GROUND FAULT PROTECTION
ST	SHUNT TRIP OPERATOR
	GROUND CONNECTION
	TRANSFER SWITCH. SEE PLANS FOR TYPE OF SWITCH
	SURGE ARRESTOR
SPD	SURGE PROTECTIVE DEVICE
KW	KILOWATT METER
M	ELECTRONIC METER
K1	KIRK KEY INTERLOCK No.1
R1	RELAY No.1
AS	AMMETER SWITCH
A	AMMETER
VS	VOLTMETER SWITCH
V	VOLTMETER
	DELTA CONNECTED
	WYE CONNECTED
	GENERATOR
VFD	VFD CONNECTION
5	MOTOR CONNECTION
UPS	UPS

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AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 13, 2024

MARK	DATE	DESCRIPTION

ISSUE:	
DATE:	
PROJECT NO:	773B
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

ELECTRICAL LEGEND

E-001

A1 ELECTRICAL DEMOLITION SITE PLAN
1" = 20'-0"

0' 10' 20' 40'

GENERAL NOTES

A. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE COORDINATED WITH OTHER UTILITIES, AND PER FIELD CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.

B. WHERE CIRCUITS EXTEND FROM AREAS OUTSIDE OF DEMOLISHING SCOPE CONTRACTOR IS TO SPICE, RE-ROUTE, AND EXTEND CIRCUIT AS NECESSARY TO MAINTAIN CONTINUITY TO REMAINING DEVICES.

C. CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PROTECT EXISTING FLOOR, WALL AND CEILING FINISHES AND EXISTING EQUIPMENT SCHEDULED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL PREVENT THE ACCUMULATION OF AND CONSTRUCTION DEBRIS. PROVIDE SECURE SEALS USING PLASTIC SHEETS OR OTHER SUITABLE BARRIERS TO PROTECT FINISHES AND EQUIPMENT. ANY DAMAGE TO SUCH ITEMS SHALL BE REPAIRED OR THE ITEM REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. CONTRACTOR TO PROVIDE DOCUMENTATION AND INVENTORY OF ITEMS TO REMAIN/FINISH STATE PRIOR TO CONSTRUCTION ACTIVITIES. INVENTORY TO BE COMPLETED PRIOR TO START OF DEMOLITION WORK.

D. THIS DRAWING INDICATES THE INTENT OF DEMOLITION AT EXISTING BUILDING. NO ATTEMPT HAS BEEN MADE TO SHOW EACH AND EVERY SURFACE, ELEVATION, DETAIL, ETC. THE CONTRACTOR IS ADVISED TO VISIT THE JOB SITE TO BECOME FAMILIAR WITH THE SCOPE OF WORK PRIOR TO BIDDING. EXISTING DRAWINGS OF RECORD FOR THE BUILDING ARE AVAILABLE UPON REQUEST.

E. ALL DEMOLITION WORK SHALL BE COORDINATED WITH RENOVATION PLANS AND NEW CONSTRUCTION PLANS.

F. UTILITIES: LOCATE ALL EXISTING ACTIVE UTILITIES AND DETERMINE ALL REQUIREMENTS FOR DISCONNECTION, RECONNECTION, REROUTING OR CAPPING. CONTRACTOR SHALL PROTECT ALL UTILITIES DESIGNATED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL COORDINATE ANY UTILITY INTERRUPTIONS WITH OWNER A MINIMUM OF 10 DAYS IN ADVANCE.

G. ALL DEMOLITION DRAWINGS INDICATE THE GENERAL SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH AND REMOVE ALL EXISTING BUILDING ELEMENTS REQUIRED TO COMPLETE NEW WORK.

KEYED NOTES

1. XXXX.

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ELECTRICAL DEMOLITION SITE PLAN

ES100

School Information

Bridgers & Paxton Project No: 8678 3/13/2024 1:31:31 PM D:\Revit 2021\Projects\8678_NMSU Biomed Research PH3 Demo_MEP_LMMorenio-Chavez.rvt

A1 ELECTRICAL SITE PLAN
1" = 20'-0"

0' 10' 20' 40'

GENERAL NOTES

A. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE COORDINATED WITH OTHER UTILITIES, AND PER FIELD CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.

B. WHERE CIRCUITS EXTEND FROM AREAS OUTSIDE OF DEMOLISHING SCOPE CONTRACTOR IS TO SPICE, RE-ROUTE, AND EXTEND CIRCUIT AS NECESSARY TO MAINTAIN CONTINUITY TO REMAINING DEVICES.

C. THIS DRAWING INDICATES THE INTENT OF DEMOLITION AT EXISTING BUILDING. NO ATTEMPT HAS BEEN MADE TO SHOW EACH AND EVERY SURFACE, ELEVATION, DETAIL, ETC. THE CONTRACTOR IS ADVISED TO VISIT THE JOB SITE TO BECOME FAMILIAR WITH THE SCOPE OF WORK PRIOR TO BIDDING. EXISTING DRAWINGS OF RECORD FOR THE BUILDING ARE AVAILABLE UPON REQUEST.

D. ALL DEMOLITION WORK SHALL BE COORDINATED WITH RENOVATION PLANS AND NEW CONSTRUCTION PLANS.

E. UTILITIES: LOCATE ALL EXISTING ACTIVE UTILITIES AND DETERMINE ALL REQUIREMENTS FOR DISCONNECTION, RECONNECTION, REROUTING OR CAPPING. CONTRACTOR SHALL PROTECT ALL UTILITIES DESIGNATED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL COORDINATE ANY UTILITY INTERRUPTIONS WITH OWNER A MINIMUM OF 10 DAYS IN ADVANCE.

F. ALL DEMOLITION DRAWINGS INDICATE THE GENERAL SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH AND REMOVE ALL EXISTING BUILDING ELEMENTS REQUIRED TO COMPLETE NEW WORK.

G. WHERE CONDUITS CROSS A DRIVEWAY, ROADWAY OR PARKING AREA, CONDUITS SHALL BE CONCRETE ENCASED.

H. REFER TO SHEET SERIES "C", "AS", "M", "T" AND "P" FOR OTHER UTILITIES WITHIN ROUTING PATH OF ELECTRICAL RACEWAYS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ANY UTILITIES SHOWN ON THIS SHEET PRIOR TO COMMENCEMENT OF ANY WORK FOR BEST LOCATION OF THESE UTILITIES.

KEYED NOTES

1. XXXX.

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SHEET TITLE

ELECTRICAL SITE PLAN

ES101

School Information

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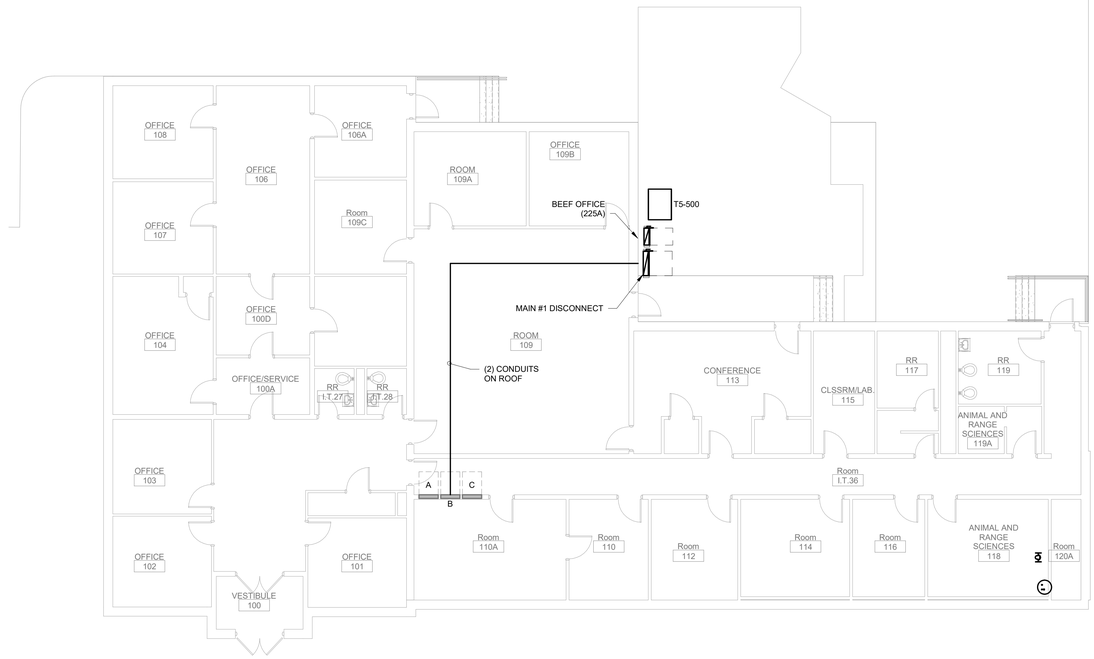
KEYED NOTES

1. XXXX.

GENERAL NOTES

A. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THECONTROLS/ ACCESS/ SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
B. LOCATION OF EQUIPMENT IS APPROXIMATE AND SHOULD BE FIELD VERIFIED.
C. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITHALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
D. INSTALL ALL CONDUITS IN OPEN CEILING SPACE AS CLOSE TO STRUCTURE AS POSSIBLE.



A1 POWER OVERALL PLAN
1/8" = 1'-0"

0' 4' 8' 16'

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POWER OVERALL PLAN

EP100

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ELECTRICAL SYMBOL LEGEND (NOT ALL SYMBOLS APPLY TO THIS PROJECT)

UPDATED: 09/07/2016

ABBREVIATIONS

ABBREV.	DEFINITION
A	AMPS, AMPERE, AMPERAGE
AC	ABOVE COUNTER
A/C	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ATSC	AUTOMATIC TRANSFER SWITCH CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
A/V	AUDIO/VISUAL
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CL	CLOCK
CLF	CURRENT LIMITING FUSE
CO	CONDUIT ONLY
CU	COPPER
D	DIMMING
DC	DIRECT CURRENT
DL	DAY-LIGHTING
DIA	DIAMETER
E	EMERGENCY
EC	EMERGENCY, CRITICAL
EG	ENGINE GENERATOR
EL	EMERGENCY, LIFE SAFETY
EQ	EMERGENCY, EQUIPMENT
EX	EXISTING
FUT	FUTURE
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FDR	FEEDER
FMS	FACILITY MANAGEMENT SYSTEM
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
G OR GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFEP	GROUND FAULT EQUIPMENT PROTECTION
GFP	GROUND FAULT PROTECTION
GND	GROUND.
HOA	HAND-OFF-AUTOMATIC.
HP	HORSEPOWER
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPS
KVAR	KILOVOLT AMPS REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR.
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT PROTECTION
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MIN	MINIMUM
MM	MIXED MEDIA
MTS	MANUAL TRANSFER SWITCH
MVA	MEGAVOLT AMPS
N	NEW
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NORMAL
NM	NEW MEXICO
NO	NORMALLY OPEN
O/H	OVERHEAD
P	POLE
PA	PUBLIC ADDRESS
PC	PHOTOCELL
PH	PHASE
PMCS	POWER MONITORING AND CONTROL SYSTEM
R	REMOVED/REMOVAL
RC	ROOM CONTROLLER
RSC	RIGID STEEL CONDUIT
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SW	SWITCH
TEMP	TEMPORARY
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP.	TYPICAL
UC	UNDER COUNTER
U/G	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
UL	UNDERWRITERS' LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTABLE POWER SUPPLY
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W	WALL MOUNTED
WG	WEATHERPROOF AND GFCI
WP	WEATHERPROOF
XFER	TRANSFER
XFMR (TRANSF)	TRANSFORMER

REFERENCE TAGS

SYMBOL	DEFINITION
⬡	KEYED NOTE REFERENCE
VAV-9	MECHANICAL EQUIPMENT REFERENCE
+44"	DENOTES MOUNTING HEIGHT AFF
▭	KITCHEN EQUIPMENT REFERENCE
⬭	MEDICAL EQUIPMENT REFERENCE

EQUIPMENT NAMING CONVENTION

- 1, 2, 3, . . . = SUBFED PANEL
- A, B, C, . . . = SEQUENCE OF PANELS OF THIS TYPE
- 0, 1, 2, 3, . . = FLOOR LEVEL (SB=SUB-BASEMENT, B=BASEMENT, M=MEZZANINE, P=PENTHOUSE)
  - T = TRANSFORMER
  - DB = DISTRIBUTION BOARD
  - DP = DISTRIBUTION PANEL
  - MSB= MAIN SWITCH BOARD
  - MCC= MOTOR CONTROL CENTER
  - I = ISOLATED PANELBOARD
  - ATS = AUTOMATIC TRANSFER SWITCH
  - PDU= POWER DISTRIBUTION UNIT
  - UPS = UNINTERRUPTABLE POWER SUPPLY
  - B = BUSWAY
- H = HIGH VOLTAGE PANELBOARD (480Y/277V)
- L = LOW VOLTAGE PANELBOARD (208Y/120V)
- BLANK FOR NORMAL POWER
  - E = EMERGENCY
  - EL = EMERGENCY-LIFE SAFETY-BRANCH
  - EC = EMERGENCY-CRITICAL-BRANCH
  - EQ = EMERGENCY-EQUIPMENT-BRANCH
- SES = SERVICE ENTRANCE SECTION NUMBER OR MAIN EMERG SWBD NUMBER

EXAMPLES:
A. SES1 (SERVICE ENTRANCE SECTION #1)
B. 1H1A (SERVED FROM SES#1, 480/277 NORMAL, LEVEL 1, FIRST BOARD)
C. 1EQH1A (SERVED FROM MAIN EMER SWBD #1, 480/277 EQUIP POWER, LEVEL 1, FIRST BOARD)

RACEWAY & CONDUCTORS

BRANCH CIRCUIT GENERAL INFORMATION:

BRANCH CIRCUITS FROM OVERCURRENT PROTECTION (20A) TO FURTHEST DEVICE SHALL NOT EXCEED 75 FEET FOR #12AWG COPPER AND 150 FEET FOR #10AWG COPPER; MEASURED ALONG CONDUCTORS ROUTING PATH. BRANCH CIRCUITS EXCEEDING 150 FEET WILL BE SIZED SO THAT VOLTAGE DROP DOES NOT EXCEED 3%.

SYMBOL	DESCRIPTION
= GROUND = HOT/PHASE = NEUTRAL = SWITCH LEG	CONDUCTOR IDENTIFICATION SYMBOLS. REFER TO PLANS FOR COMBINATION USE. CONDUCTOR IDENTIFICATION MOSTLY USED IN HOMERUN LOCATION, BUT CAN ALSO BE USED IN BRANCH CIRCUITING WHERE APPLIED. GROUND CONDUCTORS WILL BE INSTALLED IN ALL RACEWAYS WHETHER SHOWN OR NOT.
LA-1	HOMERUN FROM EQUIPMENT LOCATION. THE CIRCUIT NUMBER ADJACENT TO HOMERUN INDICATES PANEL SOURCE AND INDIVIDUAL SINGLE POLE CIRCUIT BREAKER(S). CONDUCTOR IDENTIFICATION SYMBOL INDICATES NUMBER OF CONDUCTORS IN HOMERUN. MINIMUM #12 CONDUCTORS AND 3/4" RACEWAY PATH WILL BE PROVIDED IN HOMERUN UON. ALL HOMERUNS WILL INCLUDE GROUND CONDUCTOR.
LA-1,3	HOMERUN FROM EQUIPMENT LOCATION. THE CIRCUIT NUMBER ADJACENT TO HOMERUN INDICATES PANEL SOURCE AND INDIVIDUAL SINGLE POLE CIRCUIT BREAKER(S). SYMBOL REPRESENTS A MULTI-BRANCH CIRCUIT. NUMBER OF CONDUCTORS IN HOMERUN WILL INCLUDE A SEPARATE NEUTRAL FOR EACH CIRCUIT PHASE CONDUCTOR. MINIMUM #12 CONDUCTORS AND 3/4" RACEWAY PATH WILL BE PROVIDED IN HOMERUN UON. ALL HOMERUNS WILL INCLUDE GROUND CONDUCTOR.
LA-5,7,9	
LA-1,3	HOMERUN FROM EQUIPMENT LOCATION. THE CIRCUIT NUMBER ADJACENT TO HOMERUN INDICATES PANEL SOURCE AND INDIVIDUAL TWO OR THREE POLE CIRCUIT BREAKERS. CONDUCTOR IDENTIFICATION SYMBOL INDICATES NUMBER OF CONDUCTORS IN HOMERUN. MINIMUM #12 CONDUCTORS AND 3/4" RACEWAY PATH WILL BE PROVIDED IN HOMERUN UON. NEUTRAL MAY BE USED WHERE INDICATED ON PLAN. ALL HOMERUNS WILL INCLUDE GROUND CONDUCTOR.
LA-5,7,9	
	CONCEALED RACEWAY BETWEEN DEVICES AND OR EQUIPMENT IN WALLS OR IN CEILING SPACE
	UNDERGROUND RACEWAY BETWEEN DEVICES AND OR EQUIPMENT
	EXPOSED RACEWAY BETWEEN DEVICES AND OR EQUIPMENT ON WALLS OR CEILINGS
DOWN UP	CONDUIT TURNS
	CONDUIT STUBBED AND CAPPED
B	BUSWAY
G	GROUNDING CONDUCTOR
	CABLE TRAY - POWER AND TELECOMMUNICATIONS
T	TELECOMMUNICATIONS RACEWAY
D	DATA RACEWAY
V/D	VOICE/DATA COMBINATION RACEWAY
FA	FIRE ALARM RACEWAY

GENERAL DRAWING SYMBOLS

- A / E4 — SECTION/ELEVATION LETTER OR DETAIL NUMBER
- 6 / E4 — DRAWING NUMBER WHERE DETAILED
- 6 / E3 E4 — SECTION/ELEVATION LETTER OR DETAIL NUMBER
- A / E3 E4 — DRAWING NUMBER WHERE DETAILED
- DRAWING NUMBER WHERE TAKEN
- NORTH — NORTH ARROW OR MATCH ARCHITECT'S
- 0 10' 20' 40' 80' — 1" = 40'-0" — SCALE BAR OR MATCH ARCHITECT'S

DEMOLITION

SYMBOL	DESCRIPTION	NOTES
	DASHED SYMBOL INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED	REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION
R	REMOVE EXISTING RACEWAY IN ALL ACCESSIBLE AREAS. CAPPED AND ABANDONED IF IN UNACCESSIBLE AREA	
	SOLID SYMBOL, LIGHTER IN COLOR INDICATES EXISTING DEVICE OR EQUIPMENT TO REMAIN	
EX	EXISTING CONDUIT TO BE REUSED	

DEVICES

DEVICE INDICATOR LETTER. "X" EQUALS DESIGNATION BELOW (TYPICAL FOR MOST RECEPTACLE TYPES):
- BLANK FOR NORMAL POWER
- G = GFCI RATED
- IG = ISOLATED GROUND
- T = TAMPERPROOF
- WG = WEATHERPROOF AND GFCI
- WP = WEATHERPROOF (IN-USE COVER)
- CL = CLOCK
- TV = TELEVISION

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
X	IN FLOOR DUPLEX RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS	FLOOR	VARIES
X	IN FLOOR DOUBLE DUPLEX (QUADPLEX) RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS		
X	IN FLOOR EMERGENCY DUPLEX RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS		
X	IN FLOOR EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE. CONFIGURATION AS INDICATED ON PLANS		
X	COMBINATION DUPLEX RECEPTACLE AND COMMUNICATIONS FLOORBOX. DEVICE CONFIGURATION AS INDICATED ON PLANS.		
X	CEILING MOUNTED DUPLEX RECEPTACLE	CEILING	FLUSH
X	CEILING MOUNTED DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	CEILING MOUNTED EMERGENCY DUPLEX RECEPTACLE		
X	CEILING MOUNTED EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	COMBINATION POWER/COMMUNICATION IN CEILING OUTLET. CONFIGURATION AS INDICATED ON PLANS		
X	SIMPLEX RECEPTACLE	WALL, UON	+18", UON
X	DUPLEX RECEPTACLE		
X	DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	EMERGENCY DUPLEX RECEPTACLE		
X	EMERGENCY DOUBLE DUPLEX (QUADPLEX) RECEPTACLE		
X	SPECIAL PURPOSE RECEPTACLE. NEMA CONFIGURATION AND AMPERAGE AS NOTED ON PLANS		
	MULTI-OUTLET ASSEMBLY (SURFACE MOUNTED RACEWAY)	VARIES SEE PLANS	VARIES SEE PLANS
	COMBINATION POWER/COMMUNICATION POLE. CONFIGURATION AS NOTED ON PLANS		
J	WALL MOUNTED CODE SIZE J-BOX	VARIES SEE PLANS	VARIES SEE PLANS
J	CODE SIZE JUNCTION BOX		
P	CODE SIZE PULLBOX (OR AS SIZED ON PLAN)		
•	PUSHBUTTON (EMERGENCY POWER OFF - EPO)		
PC	PHOTOCELL		
•	LIGHTNING PROTECTION AIR TERMINAL	ROOF	VARIES
T	THERMOSTAT	WALL	+44" UON
CB 30/3R	ENCLOSED CIRCUIT BREAKER. AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON	VARIES	VARIES
30/1	NON-FUSED DISCONNECT SWITCH. AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON		
30/3R	FUSED DISCONNECT SWITCH. AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON		
0/1	MOTOR STARTER. STARTER SIZE INDICATED BY NUMBER/NEMA ENCLOSURE RATING, SINGLE SPEED UON		
1/30/3R	COMBINATION FUSIBLE DISCONNECT SWITCH AND MOTOR STARTER. NEMA STARTER SIZE/AMPERAGE/NEMA ENCLOSURE RATING, 3 POLE UON		
5	MOTOR. NUMBER INDICATES HORSEPOWER RATING FOR 1HP AND LARGER	N/A	N/A
F	MOTOR. "F" INDICATES FRACTIONAL HORSEPOWER		

EQUIPMENT

SYMBOL	DESCRIPTION
MSB	MAIN SWITCHBOARD. DASHED LINES INDICATE CLEARANCES.
DB	DISTRIBUTION BOARD OR PANEL. DASHED LINES INDICATE CLEARANCES.
H1A	FLUSH MOUNTED PANELBOARD. DASHED LINES INDICATE CLEARANCES.
L1A	SURFACE MOUNTED PANELBOARD. DASHED LINES INDICATE CLEARANCES.
MCC	MOTOR CONTROL CENTER. DASHED LINES INDICATE CLEARANCES.
T1A	DRY TYPE TRANSFORMER (15kVA OR ABOVE). WITH EQUIPMENT TAG (TAG INSIDE OR OUTSIDE, DEPENDING ON SIZE). IN MOST CASES, ACTUAL SIZE SHOWN ON PLANS (ELECTRICAL ROOMS).
T	DRY TYPE TRANSFORMER (LESS THAN 15kVA), WITH NO EQUIPMENT TAG. SIZE, TYPE AND LOCATION NOTED ON PLANS.
VFD	VARIABLE FREQUENCY DRIVE
UPS-A	UNINTERRUPTABLE POWER SUPPLY. DASHED LINES INDICATE CLEARANCES.
ATS-1	AUTOMATIC TRANSFER SWITCH. DASHED LINES INDICATE CLEARANCES.
G	GROUND BAR

LIGHTING

REFER TO LUMINAIRE SCHEDULE FOR ALL LUMINAIRE TYPES WHETHER WALL MOUNTED OR CEILING MOUNTED.

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
	HATCHING INDICATES EMERGENCY LIGHTING. HATCH WILL BE MODIFIED FOR EACH LUMINAIRE TYPE. EMERGENCY LUMINAIRE DESIGNATED WITH "E" IN TYPE DESIGNATION.	VARIES	REFER TO LIGHTING SCHEDULE
3 A a	RECESSED MOUNTED LUMINAIRE. SMALL CASE "a" DENOTES SWITCHING, NUMBER "3" DENOTES BRANCH CIRCUITING. SYMBOL "A" DENOTES LUMINAIRE TYPE	CEILING	
	SURFACE MOUNTED LUMINAIRE. LUMINAIRE TYPE AS INDICATED ON PLANS		
	LINEAR DIRECT/INDIRECT LUMINAIRE. CABLE OR STEM MOUNTED		
	DOWN LIGHT LUMINAIRE; CEILING MOUNTED		
	WALL MOUNTED LUMINAIRES	WALL	
	TRACK MOUNTED LUMINAIRES	SURFACE	
	STRIP LUMINAIRE		
WALL / CEILING	EXIT LUMINAIRE. SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON PLANS	VARIES	
WALL / CEILING	DOUBLE FACE EXIT LUMINAIRE. SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON PLANS		
	EMERGENCY BATTERY PACK LUMINAIRE (BUG-EYE/FROG-EYE)		
	SINGLE HEAD, POLE MOUNTED LUMINAIRE	EXTERIOR	AS DETAILED
	DOUBLE HEAD, POLE MOUNTED LUMINAIRE		
$ X	DEVICE INDICATOR LETTER. "X" EQUALS DESIGNATION BELOW (TYPICAL FOR MOST SWITCH TYPES): a = SMALL CASE LETTER DENOTES SWITCHING CONTROL; 2 = DOUBLE POLE TOGGLE SWITCH; 3 = THREE-WAY TOGGLE SWITCH; 4 = FOUR-WAY TOGGLE SWITCH; P = PILOT LIGHT TOGGLE SWITCH; M = MOMENTARY CONTACT SWITCH; K = KEY OPERATED SWITCH; WP = WEATHERPROOF TOGGLE SWITCH; T = MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD PROTECTION; D = DIMMER SWITCH; TW= TWIST TIMER SWITCH	WALL	+44" UON
OS	WALL MOUNTED OCCUPANCY SENSOR; TYPE AS INDICATED ON PLANS		
OS	CEILING MOUNTED OCCUPANCY SENSOR; TYPE AS INDICATED ON PLANS	CEILING	SURFACE
DL	DAY-LIGHTING SENSOR; TYPE AS INDICATED ON PLANS		
RC	ROOM CONTROLLER; TYPE AS INDICATED ON PLANS		

UTILITIES

SYMBOL	DESCRIPTION
•	DISTRIBUTION POLE FOR OVERHEAD ELECTRICAL OR COMMUNICATIONS AS INDICATED ON PLAN.
X X X	OVERHEAD UTILITY AND OR SYSTEM DISTRIBUTION. 3PH = THREE PHASE; 1PH = SINGLE PHASE; P = ELECTRICAL PRIMARY; S = ELECTRICAL SECONDARY; T = TELECOMMUNICATION; TV = TELEVISION; E = EMERGENCY POWER; ATSC = AUTOMATIC TRANSFER SWITCH CONTROL; N = NEW; EX = EXISTING
X X X	UNDERGROUND UTILITY AND OR SYSTEM DISTRIBUTION.
UT	UTILITY OR FACILITY TRANSFORMER
S	PAD MOUNTED SWITCH
CC	CONNECTION CABINET (UTILITY METER MOUNT)
PM	PRIMARY SITE METER ENCLOSURE
ME	METER ENCLOSURE. EITHER ON BUILDING OR ON UTILITY EQUIPMENT
CT	CT ENCLOSURE. EITHER ON BUILDING OR ON UTILITY EQUIPMENT
MH	MANHOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
HH	HAND HOLE - POWER OR COMMUNICATION AS INDICATED ON PLANS
EG	ENGINE GENERATOR
TP	TELECOMMUNICATION PEDESTAL
TVP	TELEVISION PEDESTAL

FIRE ALARM

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
FACP	FIRE ALARM CONTROL PANEL	WALL	-
FATC	FIRE ALARM TERMINAL CABINET (EQUIPMENT NAMING CONVENTION PER PLANS)		
FAA	FIRE ALARM ANNUNCIATOR PANEL	WALL	+44"
F	PULL STATION		
	FIREMAN'S TELEPHONE OUTLET		
F	HORN NOTIFICATION	WALL	+80" UON
S	SPEAKER NOTIFICATION		
C	CHIME NOTIFICATION		
	COMBINATION SPEAKER AND CHIME NOTIFICATION		
	SPEAKER/HORN WITH STROBE LIGHT		
	STROBE LIGHT ONLY		
B	BELL (GONG)		
P	PHOTOELECTRIC SMOKE DETECTOR	CEILING	SURFACE
I	IONIZATION SMOKE DETECTOR		
R/F	COMBINATION RATE OF RISE / FIXED TEMPERATURE		
F	FIXED TEMPERATURE; TEMPERATURE AS NOTED ON PLANS OR SPECIFICATIONS		
R	RATE OF RISE ONLY		
BT	BEAM TRANSMITTER	CEILING OR WALL	VARIES
BR	BEAM RECEIVER		
U	UNDER FLOOR SMOKE DETECTOR	UNDER FLOOR	SEE PLANS
	DUCT DETECTOR	AT DUCT	SEE PLANS
	FIRE/SMOKE DAMPER		
PS	PRESSURE SWITCH	PIPE	VARIES
TS	TAMPER SWITCH		
FS	FLOW SWITCH		
PIV	POST INDICATOR VALVE		
M	MAGNETIC DOOR HOLDER	VARIES	SEE PLANS
R	CONTROL RELAY		
MM	MONITOR MODULE		
	REMOTE ALARM INDICATING LIGHT		
R	ADDRESSABLE/SUPERVISED RELAY		

ONE-LINE DIAGRAM

SYMBOL	DESCRIPTION
300 / 400	CIRCUIT BREAKER; TRIP SETTING/FRAME SIZE OR NO. OF POLES. SETTINGS AND PROTECTION AS NOTED ON PLANS
300 / 400	DRAWOUT CIRCUIT BREAKER (TRIP SETTING / FRAME SIZE)
300 / 400	MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER (TRIP SETTING / FRAME SIZE)
T1A 75KVA K-4 — 208Y/120V Y, Δ 480V	TRANSFORMER. TRANSFORMER NAME, TRANSFORMER kVA RATING, PRIMARY VOLTAGE AND WIRING CONFIGURATION, SECONDARY VOLTAGE, K RATING (IF APPLICABLE)
3000/5	CURRENT TRANSFORMER, NUMBER "3000/5" DENOTES RATIO.
	POTENTIAL TRANSFORMER.
300A	DISCONNECT SWITCH. "300A" DENOTES AMPERAGE RATING
300A	FUSE. "300A" DENOTES AMPERAGE RATING
G	GROUND FAULT PROTECTION
ST	SHUNT TRIP OPERATOR
	GROUND CONNECTION
	TRANSFER SWITCH. SEE PLANS FOR TYPE OF SWITCH
	SURGE ARRESTOR
SPD	SURGE PROTECTIVE DEVICE
KW	KILOWATT METER
M	ELECTRONIC METER
K1	KIRK KEY INTERLOCK No.1
R1	RELAY No.1
AS	AMMETER SWITCH
A	AMMETER
VS	VOLTMETER SWITCH
V	VOLTMETER
	DELTA CONNECTED
	WYE CONNECTED
	GENERATOR
VFD	VFD CONNECTION
5	MOTOR CONNECTION
UPS	UPS

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AG MOD PHASE 3: NEALE HALL DEMO

95% CONSTRUCTION DOCUMENTS

3198 S. Espina St
Las Cruces, NM 88001

MARCH 13, 2024

MARK	DATE	DESCRIPTION

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PROJECT NO:	773B
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

ELECTRICAL LEGEND

E-001

A1 ELECTRICAL DEMOLITION SITE PLAN
1" = 20'-0"

0' 10' 20' 40'

GENERAL NOTES

A. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE COORDINATED WITH OTHER UTILITIES, AND PER FIELD CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.

B. WHERE CIRCUITS EXTEND FROM AREAS OUTSIDE OF DEMOLISHING SCOPE CONTRACTOR IS TO SPICE, RE-ROUTE, AND EXTEND CIRCUIT AS NECESSARY TO MAINTAIN CONTINUITY TO REMAINING DEVICES.

C. CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PROTECT EXISTING FLOOR, WALL AND CEILING FINISHES AND EXISTING EQUIPMENT SCHEDULED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL PREVENT THE ACCUMULATION OF AND CONSTRUCTION DEBRIS. PROVIDE SECURE SEALS USING PLASTIC SHEETS OR OTHER SUITABLE BARRIERS TO PROTECT FINISHES AND EQUIPMENT. ANY DAMAGE TO SUCH ITEMS SHALL BE REPAIRED OR THE ITEM REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. CONTRACTOR TO PROVIDE DOCUMENTATION AND INVENTORY OF ITEMS TO REMAIN/FINISH STATE PRIOR TO CONSTRUCTION ACTIVITIES. INVENTORY TO BE COMPLETED PRIOR TO START OF DEMOLITION WORK.

D. THIS DRAWING INDICATES THE INTENT OF DEMOLITION AT EXISTING BUILDING. NO ATTEMPT HAS BEEN MADE TO SHOW EACH AND EVERY SURFACE, ELEVATION, DETAIL, ETC. THE CONTRACTOR IS ADVISED TO VISIT THE JOB SITE TO BECOME FAMILIAR WITH THE SCOPE OF WORK PRIOR TO BIDDING. EXISTING DRAWINGS OF RECORD FOR THE BUILDING ARE AVAILABLE UPON REQUEST.

E. ALL DEMOLITION WORK SHALL BE COORDINATED WITH RENOVATION PLANS AND NEW CONSTRUCTION PLANS.

F. UTILITIES: LOCATE ALL EXISTING ACTIVE UTILITIES AND DETERMINE ALL REQUIREMENTS FOR DISCONNECTION, RECONNECTION, REROUTING OR CAPPING. CONTRACTOR SHALL PROTECT ALL UTILITIES DESIGNATED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL COORDINATE ANY UTILITY INTERRUPTIONS WITH OWNER A MINIMUM OF 10 DAYS IN ADVANCE.

G. ALL DEMOLITION DRAWINGS INDICATE THE GENERAL SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH AND REMOVE ALL EXISTING BUILDING ELEMENTS REQUIRED TO COMPLETE NEW WORK.

KEYED NOTES

1. XXXX.

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ELECTRICAL DEMOLITION SITE PLAN

ES100

School Information

Bridgers & Paxton Project No: 8678 3/13/2024 1:31:31 PM D:\Revit 2021\Projects\8678_NMSU Biomed Research PH3 Demo_MEP_LMMorenio-Chavez.rvt

A1 ELECTRICAL SITE PLAN
1" = 20'-0"

0' 10' 20' 40'

GENERAL NOTES

A. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE COORDINATED WITH OTHER UTILITIES, AND PER FIELD CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.

B. WHERE CIRCUITS EXTEND FROM AREAS OUTSIDE OF DEMOLISHING SCOPE CONTRACTOR IS TO SPICE, RE-ROUTE, AND EXTEND CIRCUIT AS NECESSARY TO MAINTAIN CONTINUITY TO REMAINING DEVICES.

C. THIS DRAWING INDICATES THE INTENT OF DEMOLITION AT EXISTING BUILDING. NO ATTEMPT HAS BEEN MADE TO SHOW EACH AND EVERY SURFACE, ELEVATION, DETAIL, ETC. THE CONTRACTOR IS ADVISED TO VISIT THE JOB SITE TO BECOME FAMILIAR WITH THE SCOPE OF WORK PRIOR TO BIDDING. EXISTING DRAWINGS OF RECORD FOR THE BUILDING ARE AVAILABLE UPON REQUEST.

D. ALL DEMOLITION WORK SHALL BE COORDINATED WITH RENOVATION PLANS AND NEW CONSTRUCTION PLANS.

E. UTILITIES: LOCATE ALL EXISTING ACTIVE UTILITIES AND DETERMINE ALL REQUIREMENTS FOR DISCONNECTION, RECONNECTION, REROUTING OR CAPPING. CONTRACTOR SHALL PROTECT ALL UTILITIES DESIGNATED TO REMAIN FROM DAMAGE. CONTRACTOR SHALL COORDINATE ANY UTILITY INTERRUPTIONS WITH OWNER A MINIMUM OF 10 DAYS IN ADVANCE.

F. ALL DEMOLITION DRAWINGS INDICATE THE GENERAL SCOPE OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH AND REMOVE ALL EXISTING BUILDING ELEMENTS REQUIRED TO COMPLETE NEW WORK.

G. WHERE CONDUITS CROSS A DRIVEWAY, ROADWAY OR PARKING AREA, CONDUITS SHALL BE CONCRETE ENCASED.

H. REFER TO SHEET SERIES "C", "AS", "M", "T" AND "P" FOR OTHER UTILITIES WITHIN ROUTING PATH OF ELECTRICAL RACEWAYS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ANY UTILITIES SHOWN ON THIS SHEET PRIOR TO COMMENCEMENT OF ANY WORK FOR BEST LOCATION OF THESE UTILITIES.

KEYED NOTES

1. XXXX.

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SHEET TITLE

ELECTRICAL SITE PLAN

ES101

School Information

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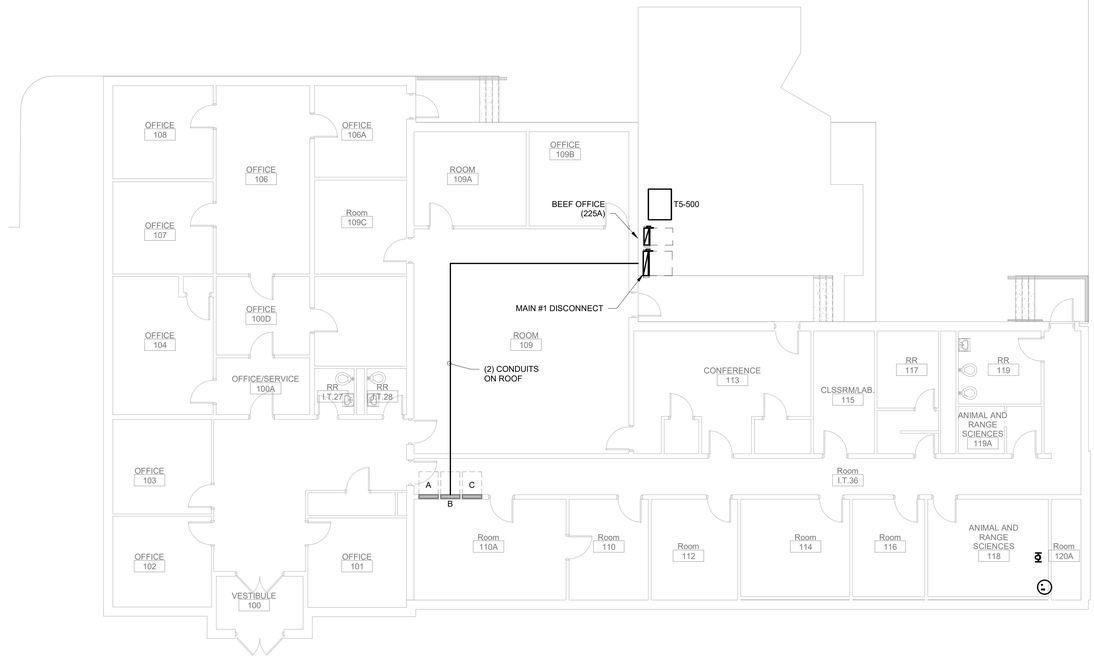
KEYED NOTES

1. XXXX.

GENERAL NOTES

A. COORDINATE ALL 120 VOLT POWER REQUIREMENTS AND LOCATIONS WITH THECONTROLS/ ACCESS/ SECURITY CONTRACTORS IN THE FIELD. REFER TO SPECIFICATION 230549 FOR ADDITIONAL INFORMATION.
B. LOCATION OF EQUIPMENT IS APPROXIMATE AND SHOULD BE FIELD VERIFIED.
C. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITHALL TRADES FOR EXACT LOCATION OF EQUIPMENT AND APPURTENANCES THAT REQUIRE ELECTRICAL CONNECTIONS AND REQUIRE ALIGNMENT OF DEVICES.
D. INSTALL ALL CONDUITS IN OPEN CEILING SPACE AS CLOSE TO STRUCTURE AS POSSIBLE.



A1 POWER OVERALL PLAN
1/8" = 1'-0"

0' 4' 8' 16'

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POWER OVERALL PLAN

EP100

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