I.D.E.A.L. LAB (PHASE 1 DEMOLITION)

3617 S. LOCUST ST. LAS CRUCES, NM 88003

OWNER:

REGENTS OF NEW MEXICO STATE UNIVERSITY

CONTACT: MICHAEL VIELMA

CONSULTANTS:

CIVIL ENGINEERING

SOUDER, MILLER & ASSOCIATES, INC.
3500 SEDONA HILLS PKWY.
LAS CRUCES, NM 88011
P:575-647-0799

CONTACT: BRICE ORTIZ

ELECTRICAL ENGINEERING

RAXIS ENGINEERING
505 S. MAIN ST.
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P:505-264-0319

CONTACT: CARLOS ROBLES

ARCHITECT:

DESERT PEAK ARCHITECTS, INC

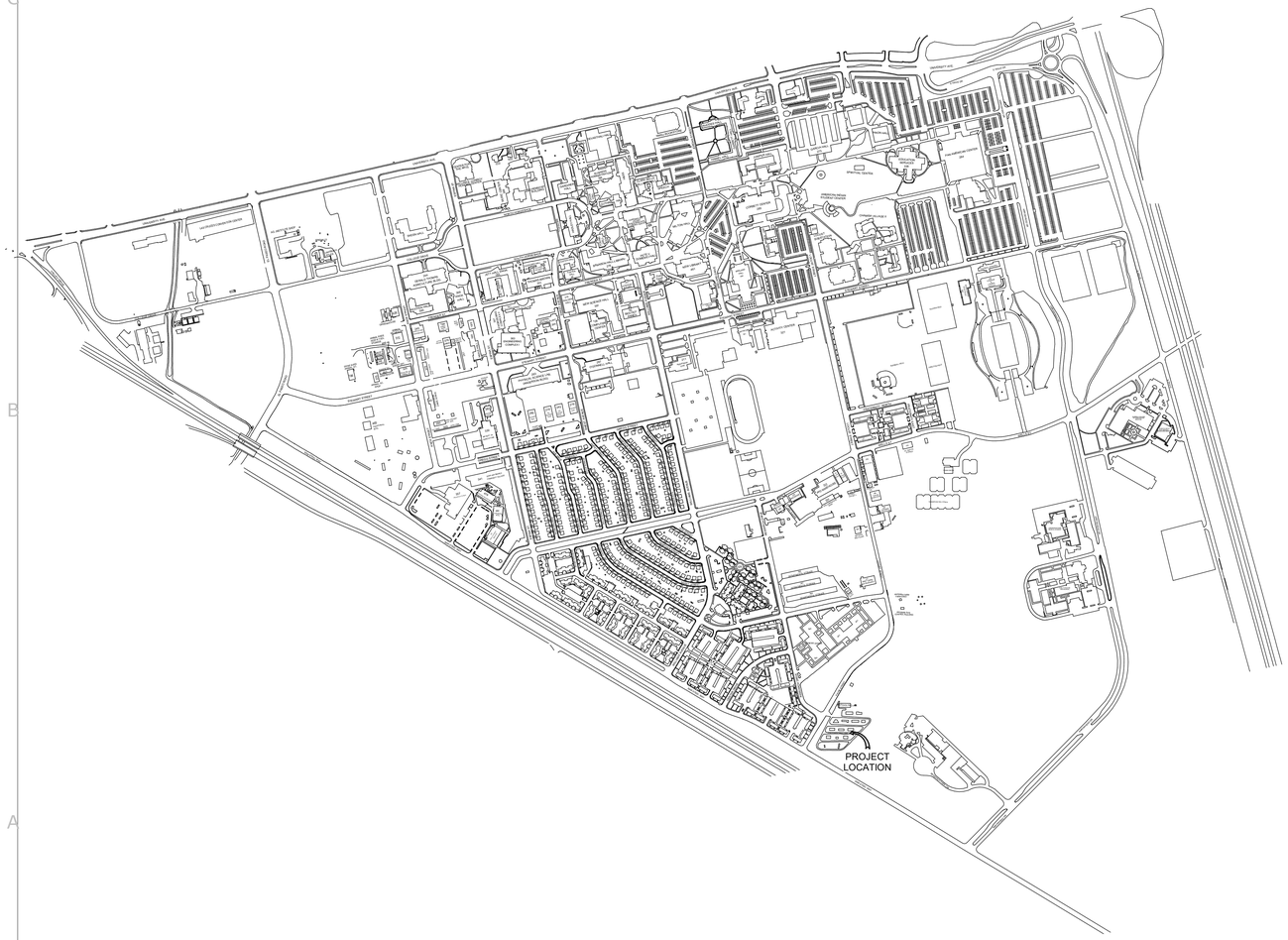
311 NORTH MAIN STREET
LAS CRUCES, NM 88005

P. (575) 528 - 0021

CONTACT: RUBEN CONTRERAS

DESERT PEAK ARCHITECTS

VICINITY MAP



DRAWING INDEX

PROJECT DESCRIPTION

THE WORK OF PROJECT IS DEFINED BY THE CONTRACT DOCUMENTS AND INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

1. ABATEMENT OF HAZARDOUS MATERIALS WITHIN EXISTING BUILDINGS SLATED FOR DEMOLITION.
2. DEMOLITION AND REMOVAL OF THE EXISTING BUILDINGS AS INDICATED.
3. DEMOLITION AND REMOVAL OF EXISTING SITE UTILITIES AS INDICATED.
4. ASSOCIATED BACKFILL AND GRADING.

DESIGN CODES

2021 INTERNATIONAL BUILDING CODE
2021 NM COMMERCIAL CODES
2021 UNIFORM PLUMBING CODE
2021 NM PLUMBING CODE
2021 UNIFORM MECHANICAL CODE
2021 NM MECHANICAL CODE
2020 NATIONAL ELECTRICAL CODE
2020 NM ELECTRICAL CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
2021 NM COMMERCIAL ENERGY CODE

MATERIAL LEGEND

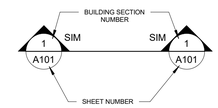
CUT (SECTION)	PROJECTION (PLAN / ELEVATION)
CONCRETE	EXISTING WALL TO REMAIN
EARTH	NEW WALL
RIGID INSULATION	MEMBRANE ROOFING
BATT INSULATION	STUCCO
WOOD BLOCKING	1HR FIRE RATED WALL ASSEMBLY
SPRAYED INSULATION	CMU

SYMBOL LEGEND

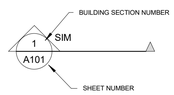
ELEVATION SYMBOLS

REFERENCE KEYNOTE SYMBOL

BUILDING SECTION SYMBOL

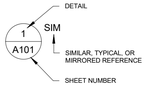


WALL SECTION SYMBOL



WINDOW/ DOOR TAG SYMBOLS

DETAIL SYMBOL



WALL TAG SYMBOL

ROOM TAG SYMBOL

CEILING TAG SYMBOL

SPOT DIMENSIONS

I.D.E.A.L. LAB (PHASE 1 DEMOLITION)
3617 S. LOCUST ST.
LAS CRUCES, NM 88003

Mark	Date	Description
ISSUE:	09/04/2026	95% CONSTRUCTION DOCUMENTS

DESERT PEAK ARCHITECTS

DESERT PEAK ARCHITECTS P.C.
311 N MAIN STREET
LAS CRUCES
NEW MEXICO 88001
P. 575.528.0022

STATE OF NEW MEXICO
09/04/2026
NOT FOR CONSTRUCTION
RUBEN CONTRERAS II
NO. 6187
REGISTERED ARCHITECT

PROJECT NO.
206-143

SHEET TITLE

COVER SHEET

SHEET NO.

G001

ABBREVIATIONS

C.M.P.	CORRUGATED METAL PIPE
D.I.	DUCTILE IRON
EX OR EXIST.	EXISTING
I.D.	INNER DIAMETER
INV	INVERT
LF	LINEAR FEET
NAVD	NORTH AMERICAN VERTICAL DATUM
NGS	NATIONAL GEODETIC SURVEY
N.T.S.	NOT TO SCALE
PI	POINT OF INTERSECTION
psi	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
ROW	RIGHT OF WAY
STA	STATION
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
TYP	TYPICAL
8W	8" PVC WATERLINE
8S	8" PVC SEWERLINE
CLC	CITY OF LAS CRUCES
LCU	CITY OF LAS CRUCES UTILITIES

CONSTRUCTION MANAGEMENT NOTES:

1. ALL WORK SHALL COMPLY WITH NMSU STANDARDS AND CURRENT DESIGN GUIDELINES; WORK UNDER NM LICENSED PE.
2. CONTRACTOR RESPONSIBLE FOR ALL PERMITS, APPROVALS, AND COMPLIANCE; ROW PERMITS REQUIRE GOVERNING AGENCY APPROVAL AND AS-BUILTS WITHIN 30 DAYS.
3. PROJECT MANAGER (PM) HAS FINAL AUTHORITY FOR INSPECTION, APPROVAL, AND ACCEPTANCE; CONTRACTOR RESPONSIBLE FOR MEANS, METHODS, SAFETY, AND COMPLETENESS.
4. UTILITIES SHALL EXTEND TO PROJECT LIMITS (OR ROW +5'); EACH STRUCTURE REQUIRES SEPARATE SERVICE UNLESS APPROVED; ADJUST EXISTING UTILITIES TO FINAL GRADE.
5. MAINTAIN DAILY AS-BUILT DRAWINGS ONSITE; APPROVED RECORD DRAWINGS REQUIRED PRIOR TO ACCEPTANCE AND SYSTEM TIE-INS.
6. SUBMIT ENGINEERED CONCRETE/ASPHALT MIX DESIGNS FOR APPROVAL PRIOR TO PLACEMENT.
7. SUBMIT TRAFFIC CONTROL PLAN PER MUTCD; OBTAIN APPROVAL PRIOR TO CONSTRUCTION.
8. SAW CUTTING SHALL BE STRAIGHT AND NEAT; LIMIT OPEN TRENCH PATCHING TO 500 LF; REPAIR ALL DISTURBED PAVEMENT, LANDSCAPING, AND SIGNAGE AT CONTRACTOR EXPENSE.
9. PROVIDE LICENSED SURVEY LAYOUT; CONTRACTOR RESPONSIBLE FOR LINES, GRADES, AND RESTORING CONTROL POINTS.
10. TRENCHING SHALL MEET OSHA STANDARDS; PROVIDE PROPER BEDDING AND BACKFILL:

    ROADWAYS: 95% COMPACTION
    NON-ROADWAYS: 90% COMPACTION
    GAS SERVICE: 85% COMPACTION

11. PROVIDE MINIMUM 2-WEEK NOTICE FOR SHUTDOWNS; LIMIT OUTAGES TO 4 HOURS UNLESS APPROVED.
12. PROVIDE 96-HOUR NOTICE PRIOR TO UTILITY TIE-INS; COORDINATE WITH PM.
13. INSTALL UTILITIES IN ORDER: SEWER → WATER → GAS; TEST AND APPROVE PRIOR TO FINAL GRADING.
14. MAINTAIN PUBLIC ACCESS AND SAFETY; PROVIDE BARRICADES, SIGNAGE, AND LIGHTING PER MUTCD.
15. RESTORE SITE TO ORIGINAL CONDITION; SUBMIT FINALS (AS-BUILTS, TESTS, WARRANTIES) PRIOR TO ACCEPTANCE.

AMERICANS WITH DISABILITIES ACT (ADA) MINIMAL REQUIREMENTS:

1. THE GENERAL CONTRACTOR TO BECOME FAMILIAR WITH AND APPLY THE ADA MINIMAL REQUIREMENTS AND REPORT TO THE ARCHITECT/ENGINEER ANY DISCREPANCIES BEFORE CONSTRUCTION.
2. ACCESSIBLE ROUTES ON AN ACCESSIBLE SITE AND FOR NEW SITE IMPROVEMENTS SHALL BE PROVIDED TO SERVE ALL ACCESSIBLE SPACES OR ELEMENTS.
3. THE MINIMAL CLEAR WIDTH OF AN ACCESSIBLE ROUTE PER CODE IS 36".
4. EACH ACCESSIBLE PARKING SPACE IS TO BE A MINIMUM OF 14' WIDE, CONSISTING OF A 5' WIDE ACCESS AISLE AND A 9' WIDE PARKING SPACE, EACH VAN ACCESSIBLE PARKING SPACE IS TO BE A MINIMUM OF 17' WIDE, CONSISTING OF A 8' WIDE ACCESS AISLE AND A 9' WIDE PARKING SPACE. THE ACCESS AISLE SHALL BE ON THE PASSENGER'S SIDE OF THE VAN ACCESSIBLE SPACE.
5. ACCESSIBLE PARKING SPACES ARE TO BE LOCATED AS CLOSE TO THE BUILDING ENTRANCE AS POSSIBLE AND SHALL BE IDENTIFIED WITH A SIGN.
6. RAMPS MUST NOT EXTEND OUT FROM THE CURB INTO THE ACCESS AISLE FOR ACCESSIBLE PARKING SPACE.
7. TWO PARKING SPACES MAY SHARE THE SAME ACCESS AISLE.
8. ALL ADA PARKING SPACES SHALL BE STRIPED USING 4" WIDE DOUBLE LAYER OF FEDERAL BLUE PAINT, UNLESS OTHERWISE NOTED.
9. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED A SLOPE OF 1:50 (2.0%) IN ANY DIRECTION.
10. EACH ACCESSIBLE PARKING SPACE SHALL HAVE AN IDENTIFICATION SIGN (SEE DETAIL).

RAMPS:

1. AN ACCESSIBLE ROUTE WITH A RUNNING SLOPE GREATER THAN 1:20 (5.0%) IS A RAMP AND SHALL COMPLY WITH THE RAMP REQUIREMENTS.
2. AN ACCESSIBLE ROUTE MAY CROSS OPEN PAVEMENT OR CONDITIONS. THE RUNNING SLOPE OF AN ACCESSIBLE ROUTE ACROSS OPEN PAVEMENT MUST NOT EXCEED 1:20 (5.0%), WITH A CROSS SLOPE NOT EXCEEDING 1:50 (2.0%). SLOPES EXCEEDING 1:20 (5.0%), BUT LESS THAN 1:12 (8.33%) , CONSTITUTE RAMPS AND MUST CONFORM TO THE REQUIREMENTS OF RAMP DESIGN (HANDRAILS, CURBS, LANDINGS, RISE AND RUN LIMITS, ETC.) AS DETAILED ON THE CIVIL PLANS. NO RAMP SHALL HAVE A RUNNING SLOPE EXCEEDING 1:12 (8.33%), NOR HAVE A CROSS SLOPE EXCEEDING 1:50 (2.0%).
3. THE GENERAL CONTRACTOR/CONTRACTOR SHALL MEASURE THE SUBGRADE ACROSS FORMS PRIOR TO INSTALLATION OF ASPHALT OR CONCRETE IMPROVEMENTS TO ASSURE THE IMPROVEMENTS WILL MEET THESE MINIMAL ADA REQUIREMENTS. ANY DISCREPANCIES SHALL BE REPORTED TO THE CIVIL ENGINEER PRIOR TO INSTALLATION OF THE IMPROVEMENTS.
4. A CURB RAMP SHALL BE PROVIDED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB.
5. CURBS RAMPS HAVE A MAXIMUM SLOPE OF 1:12 (8.33%) AND DO NOT REQUIRE HANDRAILS.
6. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS, IT SHALL HAVE FLARED SIDES; THE MAXIMUM SLOPE OF THE FLARE SHALL BE 1:12 (8.33%).

CONCRETE:

1. ALL CONCRETE SHALL BE PLACED IN A SINGLE CONTINUOUS OPERATION SO AS TO PRODUCE A MONOLITHIC SLAB/FOUNDATION BETWEEN CONSTRUCTION JOINTS.
2. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI UNLESS OTHERWISE NOTED. CEMENT SHALL CONFORM TO ASTM C150, TYPE I, II, OR III. CONCRETE AGGREGATE SHALL CONFORM TO ASTM C33. CONCRETE SHALL BE PROTECTED FROM LOSS OF MOISTURE FOR A MINIMUM OF 7 DAYS.
3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A617, GRADE 40, AND ACI 318-89 UNLESS OTHERWISE NOTED.

GPS LOCATE OF NEW GAS LINE:

1. ALL NEW UNDERGROUND GAS LINES AND APPURTENANCES SHALL BE SURVEYED AND GPS-DOCUMENTED IN THE OPEN TRENCH PRIOR TO BACKFILLING. CONTRACTOR SHALL PROVIDE A MINIMUM OF 60 MINUTES' NOTICE TO THE NMSU PROJECT REPRESENTATIVE WHEN THE PIPE IS INSTALLED AND READY FOR SURVEY. NO BACKFILLING SHALL OCCUR UNTIL REQUIRED AS-BUILT INFORMATION HAS BEEN COLLECTED. ALL SURVEYING, COORDINATION, AND AS-BUILT DOCUMENTATION SHALL BE INCIDENTAL TO THE GAS PIPELINE AND APPURTENANCE INSTALLATION.

EARTHWORK:

1. ALL EARTHWORK SHALL MEET THE REQUIREMENTS ON THE “GEOTECHNICAL REPORT” AS IT IS MADE AVAILABLE.
2. PRIOR TO BEGINNING EARTHWORK OPERATIONS ALL NECESSARY CLEARING AND GRUBBING IN THAT AREA HAVE BEEN PERFORMED. THE PROJECT AREA SHALL BE CLEARED OF VEGETATION GROWTH, STUMPS, ROOTS, TRASH, DEBRIS, ROCKS OVER 3" IN DIAMETER, AND OTHER OBJECTIONABLE MATERIALS. DISPOSAL OF THESE MATERIALS SHALL ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ALL DISPOSAL ACTIVITIES SHALL BE IN CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL REGULATIONS.
3. ALL CUT AREAS SHALL BE REMOVED TO SUBGRADE ELEVATION FOR THE FULL WIDTH OF THE PROPOSED CONSTRUCTION. THE 6" LAYER OF NATIVE SUBGRADE SHALL BE SCARIFIED AND BROUGHT TO A MOISTURE CONTENT OF 2% ± OF OPTIMUM AND COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
4. FILLS: MATERIAL IN COMPLIANCE WITH ASTM D2487 SOIL CLASSIFICATION GROUP GW, GP,GM, SW, SP, SM, AND SC, OR ANY COMBINATION OF THESES GROUPS; FREE OF ROCKS OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTEM FROZEN MATERIAL, VEGETATION, AND OTHER DELETERIOUS MATTER. MATERIAL APPROVED FORM ON SITE OF OFF-SITE SOURCES HAVING A MINIMUM FRY DENSITY OF 110 PCF, A MAXIMUM PLASTICITY INDEX OF 15, AND A MAXIMUM LIQUID LIMIT OF 35.
5. ENGINEERED FILL: NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF SOIL IN COMPLIANCE WITH ASTM D2487 SOIL CLASSIFICATION GROUP GW, GP, GM, GP-GM, GW-GM, SW, SP, SM, SP-SM, OR SW-SM. MATERIAL SHALL MEET THE FOLLOWING GRADATION CRITERIA PER ASTMD2940.

SIEVE SIZE	% PASSING
2"	100%
1"	95 - 100%
#4	50 - 80%
#40	15 - 40%
#200	2 - 20

6. CONTRACTOR RESPONSIBLE FOR ALL SITE MATERIAL TESTING. TEST REPORTS TO BE SUBMITTED TO THE ENGINEER AND OWNER TO BE INCLUDED IN FINAL DOCUMENTATION.

GRADING NOTES:

1. CONTRACTOR RESPONSIBLE FOR ALL SITE MATERIAL TESTING. TEST REPORTS TO BE SUBMITTED TO THE ENGINEER AND OWNER TO BE INCLUDED IN FINAL DOCUMENTATION.
2. ALL STATIONING IS CENTERLINE STATIONING. STATIONS ALONG CURVES ARE RADIAL.
3. ALL ROADWAY CONSTRUCTION SHALL MEET THE REQUIREMENTS AND STANDARDS SPECIFICATIONS OF THE CITY OF LAS CRUCES ROAD CONSTRUCTION, CURRENT EDITION.
4. EXISTING AND FINISHED TOPOGRAPHIC INFORMATION SHOWN AT 1 FOOT INTERVALS. FINISH TOPOGRAPHY IS APPROXIMATE AND DOES NOT CONSIDER CURBS AND OTHER DETAIL CHANGES. DEFER TO SPOT ELEVATIONS WHERE PROVIDED.
5. ALL GRADING SHALL BE MINIMUM OF 4:1 SLOPES OR FLATTER UNLESS OTHERWISE NOTED. ALL CUT AND FILL TRANSITIONS SHALL BE ROUNDED. CONSTRUCTION SLOPES WHICH EXCEED 4H:1V SHALL BE PROTECTED.
6. PROVIDE SMOOTH DRIVING TRANSITION AT ALL INTERSECTION.
7. ALL SPOT ELEVATIONS ARE FINISH DESIGN GRADES UNLESS OTHERWISE NOTED.
8. SUBGRADE AND BACKFILL MATERIALS FOR FOUNDATION SHALL BE COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR AS DETERMINED BY ASTM STANDARD D1557.
9. BACKFILL MATERIALS TO BE PLACED UNDER CONCRETE SLABS SHALL BE A GRANULAR SOIL. EXPANSIVE TYPE SOILS ARE PROHIBITED AS BACKFILL MATERIALS.
10. ALL CONCRETE SHALL BE PLACED IN A SINGLE CONTINUOUS OPERATION SO AS TO PRODUCE A MONOLITHIC FOUNDATION WHERE APPLICABLE.
11. CEMENT SHALL CONFORM TO ASTM C150, TYPE I, II, OR III.
12. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI. CONCRETE AGGREGATE SHALL CONFORM TO ASTM C33. CONCRETE SHALL BE PROTECTED FROM LOSS OF MOISTURE FOR AN ADEQUATE AMOUNT OF TIME TO PREVENT CURING TENSION CRACKS FROM FORMING IN THE FOUNDATION. FOUNDATIONS OR SLABS SPECIFIED TO HAVE AIR ENTRAINMENT SHALL NOT BE STEEL TROWEL FINISHED. CONCRETE SHALL NOT HAVE A SLUMP IN EXCESS OF 4 INCHES PRIOR TO PLACEMENT. CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCHING.
13. ALL SIGNAGE SHALL BE IN CONFORMANCE WITH CITY OF LAS CRUCES STANDARDS, INCLUDING SIGN POST.

SITE DRAINAGE:

1. THE FLOW ARROWS SHOWN ON THE SITE GRADING DRAWING(S) INDICATE THE GENERAL DIRECTION OF SURFACE RUNOFF. THE CONTRACTOR SHALL NOT CONSTRUCT LOW POINTS IN PAVED SURFACES THAT ALLOW SURFACE RUNOFF TO POND.
2. STORM WATER SHALL NOT BE ALLOWED TO POND WITHIN 10 FEET OF ANY BUILDING FOUNDATION SYSTEM.
3. THE CONTRACTOR SHALL NOT ALLOW SURFACE RUNOFF TO CAUSE EROSION DAMAGE TO EARTHWORK AREAS DURING CONSTRUCTION.

NMSU UTILITIES GAS PRESSURE NOTE:

1. NMSU UTILITIES STANDARD DELIVERY GAS PRESSURE OF 0.25 PSI.

FIXTURE SUPPLY UNITS AND DEVICES NOTE:

1. ALL INFORMATION SHOWN IN THE FOLOWING SHEETS THAT REFERENCES WATER, GAS AND SEWER CALCULATIONS, METERS AND BACKFLOW PREVENTION DEVICES WERE PROVIDED BY OTHERS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

DUST CONTROL PLAN:

1. DEVELOPMENT TO COMPLY WITH CITY OF LAS CRUCES ORDINANCE 1789 BY USE OF THE FOLLOWING RACMS (COMPLETE DUST CONTROL PLAN INCLUDED IN STORM WATER POLLUTION PREVENTION PLAN): PRIMARY; STABILIZED CONSTRUCTION ENTRANCE(S) AND CONTINUOUS WATER APPLICATION (BY WATER TRUCK ON AT LEAST A DAILY BASIS DURING WINDY DAYS, PRIMARILY SPRING MONTHS OR AS NEEDED TO MINIMIZE FUGITIVE DUST). ANCILLARY; DUST SUPPRESION WITH POLYMER - WATERING TO INCLUDE ENVIROTAC II SOIL STABILIZER (OR SIMILAR PRODUCT) APPLIED PER THE MANUFACTURERS RECOMMENDATIONS ON PRODUCT LABEL (WATER TO PRODUCT RATIO OF 8:1 AT 110 GALLONS PER ACRES FOR NON-TRAFFIC AREAS, WATER TO PRODUCT RATIO OF 3:1 AT 1 GALLON PER .40 SQUARE FEET FOR TRAFFIC AREAS) AND/OR SILT FENCE AND RE-SEEDING IF APPLICABLE.
2. ONCE CONSTRUCTION HAS COMMENCED, THE DISTURBED AREA CANNONT SIT FOR MORE THAN TEN (10) SUCCESSIVE CALENDAR DAYS. RACMS MUST BE CEASED OPERATIONS MORE THAN TWO (2) SUCCESSIVE CALENDAR DAYS AND LESS THAN TEN (10) SUCCESSIVE CALENDAR DAYS.

PAVING NOTE:

1. ALL PAVING SECTIONS ARE TO COMPLY WITH THE GEOTECHNICAL REPORT.
2. ALL MIX DESIGN TO CONFIRM WITH THE LATEST VERSION OF THE CIVIL DESIGN STANDARDS.

EROSION CONTROL NOTES:

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
3. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16" ABOVE THE ORIGINAL GROUND SURFACE.
4. THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6" DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, OR OTHER SUITABLE DEVICE WHICH WILL INSURE ADEQUATE UNIFORM TRENCH DEPTH.
5. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8" OF THE CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6" DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
6. SEAMS BETWEEN SECTIONS OF THE SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
7. SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.
8. SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN FABRIC IS AT 50% CAPACITY.
9. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR COMPLIANCE TO THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM.

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, CODES, AND STANDARDS.
2. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES, AND SAFETY PROCEDURES.
4. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, DIMENSIONS, AND UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
5. LOCATE AND PROTECT ALL EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY UTILITY OWNERS BEFORE EXCAVATION (CALL 811).
6. ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING.
7. CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE UNLESS OTHERWISE APPROVED.
8. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD REQUIREMENTS.
9. CONTRACTOR SHALL MAINTAIN SAFE ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
10. EXCAVATION AND TRENCHING SHALL COMPLY WITH OSHA SAFETY REGULATIONS.
11. CONTRACTOR SHALL PROVIDE PROPER SHORING, DEWATERING, AND EROSION CONTROL AS REQUIRED.
12. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
13. CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS INCLUDING PAVEMENT, CURBS, SIDEWALKS, LANDSCAPING, AND STRUCTURES.
14. ANY DAMAGE CAUSED BY CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
15. ALL MATERIALS SHALL BE NEW AND CONFORM TO PROJECT SPECIFICATIONS AND APPROVED SUBMITTALS.
16. CONCRETE AND ASPHALT WORK SHALL NOT BE PLACED UNTIL MIX DESIGNS ARE APPROVED.
17. CONTRACTOR SHALL MAINTAIN A CLEAN AND ORDERLY WORK SITE AT ALL TIMES.
18. CONSTRUCTION STAKING AND LAYOUT SHALL BE PERFORMED BY A QUALIFIED SURVEYOR.
19. CONTRACTOR SHALL MAINTAIN ACCURATE AS-BUILT DRAWINGS AND SUBMIT RECORD DRAWINGS PRIOR TO PROJECT ACCEPTANCE.

A / C100 — DETAIL LETTER OR SECTION NUMBER
DETAIL OR SECTION IS REFERENCED OR SHOWN ON SHEET C-100

NOTE: THESE DRAWINGS ARE TO BE USED TO ACQUIRE PERMITS FROM JURISDICTIONAL GOVERNMENTAL AGENCIES AND ARE NOT TO BE RELIED UPON FOR PROJECT BIDDING PURPOSES OR FOR CONSTRUCTION UNTIL APPLICABLE CONSTRUCTION PERMITS ARE ISSUED.

SOUDER, MILLER & ASSOCIATES, INC.
3500 Sedona Hills Pkwy.
Las Cruces, NM 88011
Phone (575) 647-0799
www.soudermiller.com

Professional Resources for Damage Prevention

To Request a Line Locate Dial 811

New Mexico state law requires everyone involved in any excavation to provide at least two working days' notice to owners of underground facilities when a dig is planned. All facility owners are then required to mark the locations of any underground lines or take other appropriate measures to protect them.

NMSU SWTDI

NEW MEXICO STATE UNIVERSITY,
LAS CRUCES, NM 88003

Rev #	Date	Description	By	Chk'd
01	7/31/26	75% CD SUBMITTAL	BCO	MJ
02	9/3/26	95% CD SUBMITTAL	BCO	MJ

ISSUE: 02 DATE 9/3/26 REVIEW 95% CD SUBMITTAL

DESERT PEAK ARCHITECTS
DESERT PEAK ARCHITECTS P.C.
311 N MAIN STREET
LAS CRUCES
NEW MEXICO 88001
P. 575.528.0022

THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED

Designed	Drawn	Checked
BCO	AB	MJ

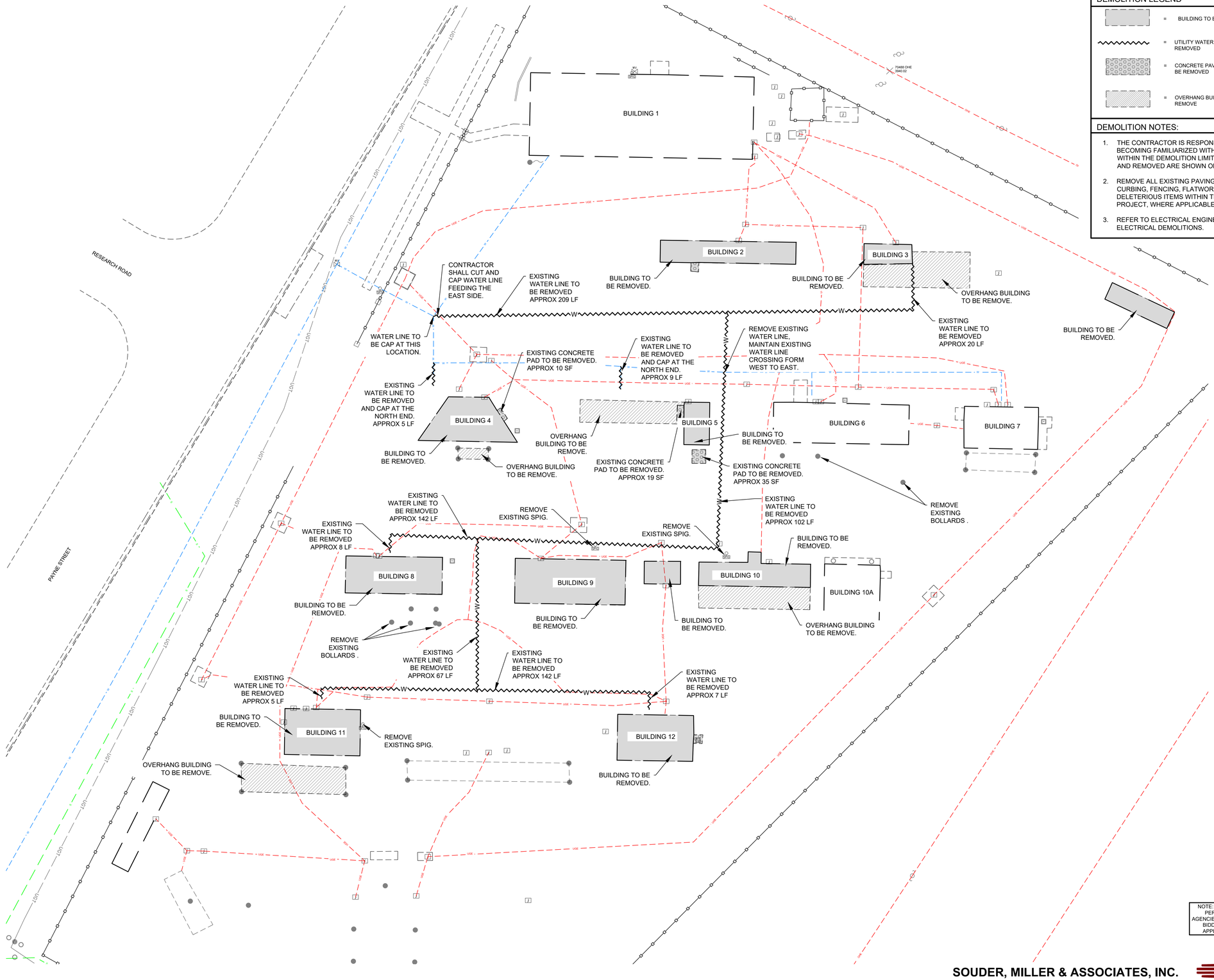
Scale: AS SHOWN

Project No: 9335401

SHEET TITLE

GENERAL NOTES

SHEET NO.
C100



DEMOLITION PLAN
SCALE 1" =20'

DEMOLITION LEGEND

- = BUILDING TO BE REMOVED
- = UTILITY WATER LINE TO BE REMOVED
- = CONCRETE PAVING / SIDEWALK TO BE REMOVED
- = OVERHANG BUILDING TO BE REMOVE

DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND BECOMING FAMILIARIZED WITH ALL EXISTING SITE CONDITIONS WITHIN THE DEMOLITION LIMITS. NOT ALL ITEMS TO BE RAZED AND REMOVED ARE SHOWN ON THIS DEMOLITION PLAN.
2. REMOVE ALL EXISTING PAVING, CONCRETE STRUCTURES, CURBING, FENCING, FLATWORK, VEGETATION, TIRES AND ALL DELETERIOUS ITEMS WITHIN THE DEMOLITION LIMITS OF THE PROJECT, WHERE APPLICABLE.
3. REFER TO ELECTRICAL ENGINEER DEMOLITION PLAN, FOR ALL ELECTRICAL DEMOLITIONS.

NMSU SWTDI

NEW MEXICO STATE UNIVERSITY,
LAS CRUCES, NM 88003

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01	7/31/26	75% CD SUBMITTAL	BCO	MJ
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ISSUE 02 DATE 9/3/26
REVIEW 95% CD SUBMITTAL

DESERT PEAK ARCHITECTS

DESERT PEAK ARCHITECTS P.C.
311 N MAIN STREET
LAS CRUCES
NEW MEXICO 88001
P. 575.528.0022

N
W SMA E
S

0 20' 40'
SCALE: 1" = 20'

MICHAEL D. JOHNSON NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED

Designed	Drawn	Checked
BCO	AB	MJ

NOTE: THESE DRAWINGS ARE TO BE USED TO ACQUIRE PERMITS FROM JURISDICTIONAL GOVERNMENTAL AGENCIES AND ARE NOT TO BE RELIED UPON FOR PROJECT BIDDING PURPOSES OR FOR CONSTRUCTION UNTIL APPLICABLE CONSTRUCTION PERMITS ARE ISSUED.

Scale: AS SHOWN

Project No: 9335401

SHEET TITLE

DEMOLITION PLAN

SHEET NO.
C200

SOUDER, MILLER & ASSOCIATES, INC.
SMA
3500 Sedona Hills Pkwy.
Las Cruces, NM 88011
Phone (575) 647-0799
www.soudermiller.com

nm811 Professional Resources for Damage Prevention

To Request a Line Locate Dial 811

New Mexico state law requires everyone involved in any excavation to provide at least two working days' notice to owners of underground facilities when a dig is planned. All facility owners are then required to mark the locations of any underground lines or take other appropriate measures to protect them.

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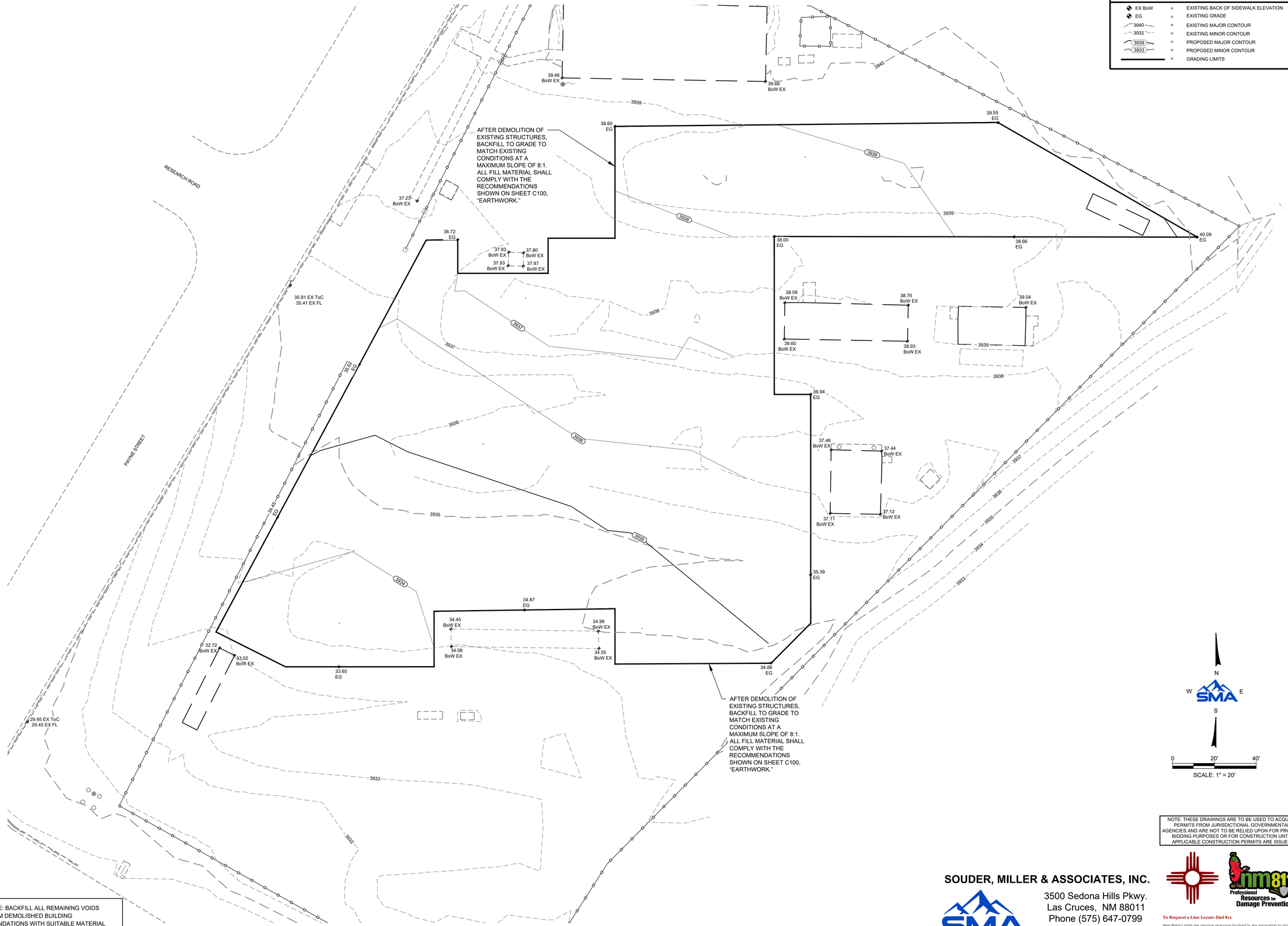

GRADING LEGEND

EX BoW	=	EXISTING BACK OF SIDEWALK ELEVATION
EG	=	EXISTING GRADE
3940	=	EXISTING MAJOR CONTOUR
3932	=	EXISTING MINOR CONTOUR
3939	=	PROPOSED MAJOR CONTOUR
3933	=	PROPOSED MINOR CONTOUR
	=	GRADING LIMITS

NOTE: BACKFILL ALL REMAINING VOIDS FROM DEMOLISHED BUILDING FOUNDATIONS WITH SUITABLE MATERIAL AND COMPACT TO THE REQUIRED DENSITY.

N
W SMA E
S

0 20' 40'

SCALE: 1" = 20'

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NMSU SWTDI

NEW MEXICO STATE UNIVERSITY,
LAS CRUCES, NM 88003

Rev #	Date	Description	By	Chk'd
		REVIEW		

ISSUE DATE

DESERT PEAK ARCHITECTS P.C.
311 N MAIN STREET
LAS CRUCES
NEW MEXICO 88001
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MICHAEL D. JOHNSON
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

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Designed	Drawn	Checked
BO	AB	MJ

Scale: AS SHOWN

Project No: 9335401

SHEET TITLE

GRADING PLAN

SHEET NO.
C300

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SEQUENCE OF CONSTRUCTION:

DESCRIBED BELOW ARE THE MAJOR CONSTRUCTION ACTIVITIES THAT ARE THE SUBJECT TO THIS PLAN. ALSO INCLUDED IN THE SEQUENCE ARE STORM WATER CONTROLS INSTALLATION ACTIVITIES THAT MUST TAKE PLACE PRIOR TO CONSTRUCTION ACTIVITIES. **NOTE: DOWN SLOPE PROTECTIVE MEASURES MUST ALWAYS BE IN PLACE BEFORE SOIL IS DISTURBED.** ACTIVITIES ARE PRESENTED IN THE SEQUENCE THEY ARE EXPECTED TO BE COMPLETED. CONTRACTOR TO IMMEDIATELY DENOTE ON THIS PLAN ANY CHANGES IN STORM WATER CONTROLS LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. THE SEQUENCE OF CONSTRUCTION IS AS FOLLOWS:

1. INSTALL SWPPP INFORMATION SIGN.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT.
3. PREPARE STORAGE/STAGING AND MASON'S AREAS. UPON IMPLEMENTATION AND INSTALLATION, DENOTE THE FOLLOWING AREAS ON THIS PLAN: TRAILER PARKING, PORTABLE SANITARY FACILITIES, WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, AND SOLID WASTE CONTAINERS.
4. STOCKPILE SEDIMENT AND INSTALL SILT FENCE.
5. CLEAR AND GRUB THE SITE.
6. BEGIN GRADING THE SITE.
7. TEMPORARY STABILIZE STOCKPILE AREAS.
8. APPLY PERMANENT STABILIZATION.
9. INSPECT AND CLEAN-UP SITE.
10. REMOVE TEMPORARY STORM WATER CONTROLS (ONLY IF SITE IS "FINAL STABILIZED" AS PER 2017 CGP).
11. FILE OWNER AND OPERATOR NOTICE OF TERMINATION (NOT).

THE ACTUAL SCHEDULE FOR IMPLEMENTING STORM WATER CONTROLS WILL BE DETERMINED BY PROJECT CONSTRUCTION PROGRESS AND RECORDED BY THE CONTRACTOR ON THE SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE ON THIS PLAN.

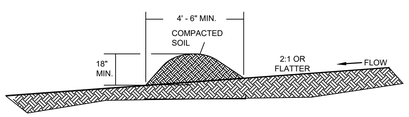
PONDING:

IF PONDS ARE TO BE USED FOR STORMWATER CONTROL DURING CONSTRUCTION, POND SIZE AND VOLUME CALCULATIONS CAN BE FOUND IN THE "FINAL DRAINAGE REPORT" WHICH IS REFERENCED BELOW.

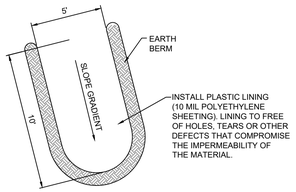
MAINTENANCE:

ALL STORM WATER CONTROLS STATED ON THIS SITE MAP SHALL BE MAINTAINED IN FULL FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL STORM WATER CONTROLS SHALL BE CHECKED AND REPAIRED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE NPDES/EPA PERMIT REQUIREMENTS.

1. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCES AND WADDLES WHEN IT REACHES ½ THE HEIGHT, OR AS NECESSARY FOR MAINTENANCE. IF FABRIC BECOMES CLOGGED, IT SHOULD BE CLEANED, OR REPLACED, IF NECESSARY.
2. HARDENED CONCRETE SHALL BE REMOVED FROM CONCRETE WASHOUT AREA ON A REGULAR BASIS.
3. THE CONSTRUCTION ENTRANCE/EXIT SHALL BE PERIODICALLY RE-GRADED AND/OR TOP DRESSED WITH ADDITIONAL STONE TO KEEP THE EFFICIENCY OF THE ENTRANCE FROM DIMINISHING. WHEN SEDIMENT HAS SUBSTANTIALLY CLOGGED THE VOID AREA BETWEEN THE ROCKS, THE AGGREGATE MUST BE WASHED DOWN AND/OR REPLACED.
4. CONSTRUCTION ENTRANCE/EXIT AREA SHALL BE INSPECTED FOR OFF-SITE TRACKING AND SWEPT AS NECESSARY.
5. SANITARY WASTES SHALL BE COLLECTED FROM PORTABLE SANITARY FACILITIES NOT LESS THAN ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY STATE AND LOCAL REGULATIONS.
6. SOLID WASTE COLLECTION SHALL NOT BE LESS THAN BI-WEEKLY OR MORE OFTEN IF NECESSARY.
7. THE STORAGE/STAGING AND MASON'S AREAS SHALL BE CLEARED OF DEBRIS, ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEARED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.



NOTES:
1. BERMS SHALL HAVE A HEIGHT OF 18", SIDE SLOPES OF 2:1 OR FLATTER AND A MINIMUM BASE WIDTH OF 4'-6".
2. BERMS SHALL BE USED TO INTERCEPT AND DIVERT DRAINAGE TO A DESIGNATED OUTLET.
3. BERMS SHALL NOT BE USED WHERE DRAINAGE AREA EXCEEDS 10 ACRES.
4. BERMS SHALL BE CONSTRUCTED OUT OF ACCEPTABLE MATERIAL THAT CAN BE COMPACTED AND RECEIVE AT A MINIMUM HEAVY EQUIPMENT WHEEL ROLLED COMPACTION.
5. TEMPORARY BERMS SHALL BE CONSTRUCTED OUT OF SALVAGED TOP SOIL.



CONCRETE WASHOUT
NOT TO SCALE

GENERAL EROSION NOTES:

1. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE NPDES/EPA GENERAL PERMIT AND BECOME FAMILIAR WITH THEIR CONTENTS.
2. GENERAL CONTRACTOR SHALL IMPLEMENT STORM WATER CONTROLS AS REQUIRED BY NPDES. ADDITIONAL STORM WATER CONTROLS SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER, THROUGHOUT CONSTRUCTION.
3. STORM WATER CONTROLS SHALL CONFORM TO FEDERAL, STATE AND LOCAL REQUIREMENTS OR MANUAL OF PRACTICE. AS APPLICABLE, GENERAL CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
4. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
5. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, AND PAINTING-PLASTER TOOLS CLEANING) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
6. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOATING BLOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS OR LEAKS.
7. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
8. RUBBISH, TRASH, GARBAGE, LITTER OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE.
9. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS SITE MAP SHALL BE INITIATED AS SOON AS PRACTICABLE.
10. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED. THESE AREAS SHALL BE STABILIZED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRENCE IN THESE AREAS. PERMANENT STABILIZATION OF POND AND DISTURBED AREAS SPECIFICS MUST BE ADDED TO THE EROSION CONTROL PLAN. STABILIZATION OF POND AND DISTURBED AREAS TO INCLUDE SEEDING, EROSION CONTROL BLANKETS OR SIMILAR, AND WATERING.
11. IF THE ACTION OF VEHICLE TRAVELING OVER THE CONSTRUCTION ENTRANCE/EXIT IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF SITE.
12. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND OVER EXCAVATION FOR BUILDING FOOTINGS.
13. DUE TO THE CHANGE IN GRADING AND THE REQUIREMENTS OF CONSTRUCTION OPERATIONS THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE STORM WATER CONTROLS (STRAW WADDLES, EARTH BERMS, ETC.) TO PREVENT EROSION ON A DAILY BASIS AS PER CONSTRUCTION SCHEDULE.

EROSION CONTROL PLAN
SCALE 1" =30'

GOOD HOUSE KEEPING PRACTICES:

1. THE CONTRACTOR SHALL ESTABLISH A CONCRETE WASHOUT PIT BEFORE THE START OF CONSTRUCTION AND MARK ITS LOCATION ON THE SITE MAP.
2. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED AT THE SITE ENTRANCE AS DETERMINED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL ESTABLISH A COMPREHENSIVE DUST CONTROL PLAN TO LIMIT OFF-SITE SEDIMENTATION BY CONTROLLING THE SITES POTENTIAL FOR PRODUCING AIRBORNE FUGITIVE DUST AND TRACK-OUT OF SEDIMENTS.
4. SANITARY FACILITIES ARE REQUIRED FOR ALL WORK SITES OR CONSTRUCTION AREAS.
5. SOLID WASTE MATERIALS SHALL BE STORED AND DISPOSED OF WITHIN DUMPSTER RENTED FROM AND COLLECTED BY A PRIVATE WASTE DISPOSAL CONTRACTOR. NO CONSTRUCTION WASTE MATERIALS SHALL BE DISPOSED OF OR BURIED ON-SITE.
6. THE CONTRACTOR SHALL ESTABLISH AN EQUIPMENT MAINTENANCE PLAN TO REDUCE CONTAMINATION OF ON-SITE SOILS.
7. CONSTRUCTION MATERIALS AND CHEMICALS SHALL BE SHELTERED IN COVERED STORAGE AREAS THAT HAVE A SPILL PROOF PERIMETER AROUND IT. LOCATE CHEMICAL STORAGE AREAS AWAY FROM LOW-LYING AREAS AND DRAINAGE PATHS.
8. THE CONTRACTOR SHALL ESTABLISH A SPILL PREVENTION PLAN THAT INCLUDES MEASURES TO LIMIT THE SCOPE OF A SPILL AND MINIMIZE ENVIRONMENTAL DAMAGE. IN THE EVENT OF A SPILL OF A HAZARDOUS SUBSTANCE, THE RESPONSIBLE PARTY SHALL IMMEDIATELY NOTIFY THE NATIONAL RESPONSE CENTER (800-424-8802 OR 202-426-2675), THE NEW MEXICO ENVIRONMENT DEPARTMENT (EMERGENCY LINE: 505-827-9329, NON-EMERGENCY LINE: 866-428-6535), AND THE LOCAL FIRE DEPARTMENT (575-437-0071).

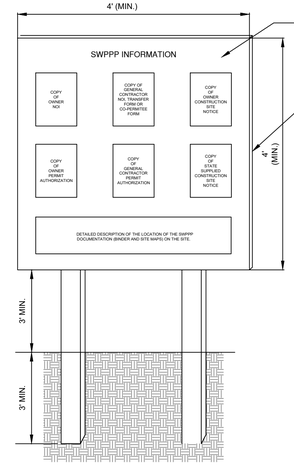
LEGEND

3939	EXISTING MAJOR CONTOUR
3932	EXISTING MINOR CONTOUR
3939	PROPOSED MAJOR CONTOUR
3933	PROPOSED MINOR CONTOUR
	PROJECT LIMITS/PROPERTY LINE
	STABILIZED CONSTRUCTION ENTRANCE
X X X	PROPOSED SILT FENCE
	PROPOSED EARTH BERMS

PROJECT AREA:

TOTAL DISTURBED AREA = 1.15 AC

ACTIVITY	RESPONSIBLE PARTY	RESPONSIBILITY
PREPARE THE SWPPP	SOUDER MILLER & ASSOCIATES	DEVELOP THE SWPPP AND INCORPORATE APPLICABLE PERMIT REQUIREMENTS
PROVIDE PROJECT DESIGN INFORMATION	DESERT PEAK ARCHITECTURE	PROVIDE DEMOLITION LIMITS, SITE DETAILS, PHASING, AND FINAL STABILIZATION REQUIREMENTS
PREPARE AND SUBMIT THE NOI	NMSU PD&E	ENTER AND PROCESS THE NOI THROUGH EPA's CGP - NeT SYSTEM
CERTIFY THE INITIAL NOI	AUTHORIZED NMSU OFFICIAL	REVIEW AND ELECTRONICALLY CERTIFY THE NOI ON BEHALF OF NMSU
ADMINISTER THE SWPPP	NMSU PD&E PROJECT MANAGER	MAINTAIN THE PLAN, COORDINATE COMPLIANCE ACTIVITIES, AND UPDATE PROJECT RECORDS
INSTALL BMPs	DEMOLITION CONTRACTOR, AS CONTRACTUALLY ASSIGNED	FURNISH AND INSTALL REQUIRED EROSION AND SEDIMENT CONTROLS
INSPECT AND MAINTAIN BMPs	NMSU PD&E AND DEMOLITION CONTRACTOR	CONDUCT INSPECTIONS, IDENTIFY CORRECTIVE ACTIONS, AND COMPLETE REQUIRED MAINTENANCE
CONDUCT CGP INSPECTIONS	NMSU PD&E	PERFORM AND DOCUMENT INSPECTIONS IN ACCORDANCE WITH THE 2022 CGP
MAINTAIN SWPPP RECORDED	NMSU PD&E	RETAIN THE SWAPPP, INSPECTIONS REPORTS, CORRECTIVES-ACTIONS RECORD, AND SUPPORTING DOCUMENTS
MAINTAIN RECORDS FOR PUBLIC ACCESS	NMSU PD&E	KEEP CURRENT RECORDS IN AN ACCESSIBLE PROJECT FILE
IDENTIFY ADDITIONAL OPERATORS	NMSU PD&E, SOUDER MILLER, AND CONTRACTOR	EVALUATE OPERATIONAL CONTROL AND UPDATE THE SWPPP AND PERMIT COVERAGE AS THE PROJECT EVOLVES
ESTABLISH FINAL STABILIZATION	SOUDER MILLER, DESERT PEAK, AND NMSU PD&E	DEFINE THE REQUIRED STABILIZATION CONDITION AND INCORPORATE IT INTO THE SWPPP AND PROJECT DOCUMENTS
SUBMIT THE NOTICE OF TERMINATION	NMSU PD&E AND AUTHORIZED NMSU OFFICIAL	PREPARE AND CERTIFY THE NOT AFTER ALL PERMITS TERMINATION REQUIREMENTS HAVE BEEN SATISFIED

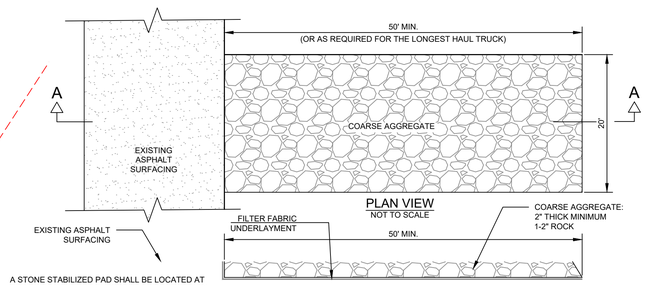


SWPPP INFORMATION SIGN
NOT TO SCALE

"SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL.

SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).

NOTES:
1) THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
2) ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
3) CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
4) SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
5) CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

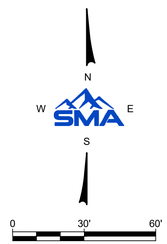


PLAN VIEW
NOT TO SCALE

SECTION A-A

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

A STONE STABILIZED PAD SHALL BE LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE TO REDUCE THE AMOUNT OF MUD TRANSPORTED ONTO PUBLIC ROADS BY MOTOR VEHICLES OR RUNOFF.



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NMSU SWTDI

NEW MEXICO STATE UNIVERSITY,
LAS CRUCES, NM 88003

Rev #	Date	Description	By	Chk'd
01	7/31/26	75% CD SUBMITTAL	BCO	MJ
02	9/3/26	95% CD SUBMITTAL	BCO	MJ

ISSUE: 02 DATE 9/3/26 REVIEW 95% CD SUBMITTAL

DESERT PEAK ARCHITECTS

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Designed	Drawn	Checked
BCO	AB	MJ

Scale: AS SHOWN
Project No: 9335401

SHEET TITLE
EROSION CONTROL PLAN

SHEET NO.
C900

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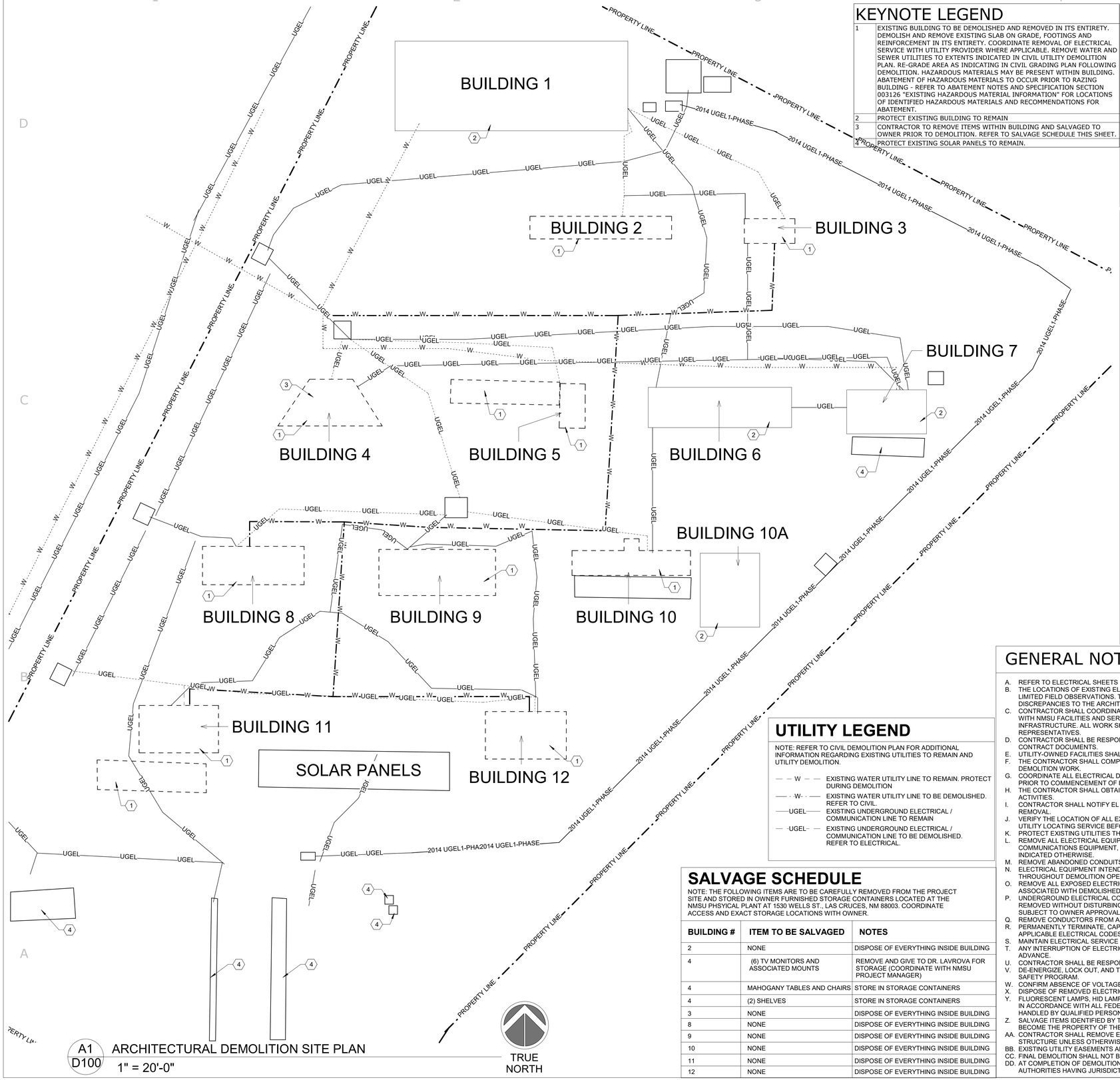


A1
D100
ARCHITECTURAL DEMOLITION SITE PLAN
1" = 20'-0"

TRUE
NORTH

KEYNOTE LEGEND

1	EXISTING BUILDING TO BE DEMOLISHED AND REMOVED IN ITS ENTIRETY. DEMOLISH AND REMOVE EXISTING SLAB ON GRADE, FOOTINGS AND REINFORCEMENT IN ITS ENTIRETY. COORDINATE REMOVAL OF ELECTRICAL SERVICE WITH UTILITY PROVIDER WHERE APPLICABLE. REMOVE WATER AND SEWER UTILITIES TO EXTENTS INDICATED IN CIVIL UTILITY DEMOLITION PLAN. RE-GRADE AREA AS INDICATING IN CIVIL GRADING PLAN FOLLOWING DEMOLITION. HAZARDOUS MATERIALS MAY BE PRESENT WITHIN BUILDING. ABATEMENT OF HAZARDOUS MATERIALS TO OCCUR PRIOR TO RAZING BUILDING - REFER TO ABATEMENT NOTES AND SPECIFICATION SECTION 003126 "EXISTING HAZARDOUS MATERIAL INFORMATION" FOR LOCATIONS OF IDENTIFIED HAZARDOUS MATERIALS AND RECOMMENDATIONS FOR ABATEMENT.
2	PROTECT EXISTING BUILDING TO REMAIN
3	CONTRACTOR TO REMOVE ITEMS WITHIN BUILDING AND SALVAGED TO OWNER PRIOR TO DEMOLITION. REFER TO SALVAGE SCHEDULE THIS SHEET.
4	PROTECT EXISTING SOLAR PANELS TO REMAIN.

GENERAL NOTES - DEMOLITION SITE PLAN

A. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES.
B. REFER TO CIVIL DRAWINGS FOR UTILITY DEMOLITION NOTES AND SITE GRADING NOTES.
C. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THOSE TO REMAIN FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK. ANY DAMAGE TO UTILITIES SHALL BE REPORTED TO THE OWNER / ARCHITECT IMMEDIATELY.
D. CONTRACTOR SHALL PROTECT ALL EXISTING TO REMAIN ITEMS WITHIN THE WORK AREA TO PREVENT DAMAGE. THE CONTRACTOR SHALL PROTECT ALL ITEMS OUTSIDE OF THE DEMOLITION AREA. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING/REPLACING ANY DAMAGE DONE TO EXISTING CONDITIONS TO REMAIN.
E. THE CONTRACTOR SHALL PROTECT ALL SEWER, WATER, GAS, ELECTRICAL, STORM DRAIN, AND TELECOMMUNICATION LINES TO REMAIN U.N.O. PROTECT ALL VALVES, VAULTS, CLEANOUTS, ETC. TO REMAIN U.N.O.
F. THE CONTRACTOR SHALL REMOVE ALL EXISTING IRRIGATION PIPING, VALVES, CONTROLS ETC. WITHIN THE DEMOLITION AREA. LOCATIONS OF EXISTING IRRIGATION COMPONENTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
G. CONTRACTOR'S ACCESS SHALL BE APPROVED BY THE OWNER, INCLUDING MATERIAL STORAGE AND VEHICLE PARKING. CONTRACTOR SHALL LIMIT STORAGE AND PARKING TO THE DESIGNATED AREAS.
H. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING ALL FINISHED SURFACES TO REMAIN CLEAN AT THE COMPLETION OF THE WORK AND SHALL REMOVE ALL EXCESS MATERIAL AND DEBRIS FROM THE JOB REGULARLY WHENEVER POSSIBLE.
I. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL SECURE THE AREA SO THAT NO UNAUTHORIZED PERSONNEL OR CHILDREN SHALL GAIN ACCESS TO THE PROJECT AREA OR PROJECT STAGING AREAS.

GENERAL NOTES - HAZARDOUS MATERIALS / ABATEMENT

A. HAZARDOUS MATERIALS HAVE BEEN IDENTIFIED WITHIN THE EXISTING BUILDING. DEMOLITION CONTRACTOR SHALL CONTRACT A HAZARDOUS MATERIALS ABATEMENT CONTRACTOR TO CONDUCT ABATEMENT PRIOR TO RAZING BUILDING. REFER TO SPECIFICATION SECTION 003126 "EXISTING HAZARDOUS MATERIAL INFORMATION" SUBMITTED BY AnE CONSULTING INC. (DATED JULY 16, 2026) FOR GENERAL LOCATIONS FOR IDENTIFIED HAZARDOUS MATERIALS.
B. THE BUILDING IS TO BE DECONTAMINATED IN ITS ENTIRETY PRIOR TO RAZING BUILDING.
C. REFER TO AND COMPLY WITH RECOMMENDATIONS WITHIN THE "EXISTING HAZARDOUS MATERIAL INFORMATION" " DOCUMENT SUBMITTED BY AnE CONSULTING INC. (DATED JULY 16, 2026)
D. ABATEMENT CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES FROM SURVEY PROVIDED PRIOR TO FINALIZING BID.
E. THE ABATEMENT CONTRACTOR IS RESPONSIBLE FOR COORDINATING ABATEMENT WORK WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
F. ABATEMENT CONTRACTOR SHALL FOLLOW ALL PROCEDURES, PRECAUTIONS AND RECOMMENDATIONS BY THE EPA AND AS REQUIRED BY OSHA FOR LARGE SCALE ASBESTOS REMOVAL. ASBESTOS ABATEMENT WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 028213 "ASBESTOS ABATEMENT" SPECIFICATIONS.
G. ABATEMENT DEBRIS AREAS ARE TO BE ISOLATED. POST SIGNS TO PREVENT UNAUTHORIZED PERSONNEL FROM ENTERING THE WORK AREA STATING: ("DANGER - ASBESTOS; CANCER AND LUNG DISEASE HAZARD; AUTHORIZED PERSONNEL ONLY; RESPIRATORS AND PROTECTIVE CLOTHING ARE REQUIRED IN THIS AREA")
H. AIR-HANDLING SYSTEMS SHOULD BE SHUT OFF TO PREVENT THE DISTRIBUTION OF FIBERS FROM THE WORK SITE. DOORS, WINDOWS AND AIR REGISTERS SHOULD BE SEALED WITH 6-MIL PLASTIC SHEETS AND TAPE.
I. WORKERS SHOULD WEAR EITHER SCBA OR "TYPE C" RESPIRATORS AND PROTECTIVE CLOTHING.
J. FALLEN DEBRIS SHOULD BE SPRAYED WITH AMENDED WATER AND PLACED IN PLASTIC BAGS FOR DISPOSAL. THE FLOORS SHOULD BE THOROUGHLY CLEANED WITH A HEPA VACUUM CLEANER.
K. CONTRACTOR SHALL TEST THE AIR FOR ASBESTOS FIBERS BEFORE THE PLASTIC BARRIERS ARE REMOVED AND THE AREA RE-OCCUPIED. TESTING RESULTS SHALL BE FURNISHED TO THE OWNER / ARCHITECT.
L. TRANSPORTATION AND DISPOSAL OF ASBESTOS-CONTAINING WASTE MATERIALS. ONCE HAZARDOUS MATERIALS HAVE BEEN REMOVED FROM THE BUILDING, A SUITABLE DISPOSAL SITE MUST BE LOCATED IN ORDER TO PREVENT FURTHER DISTURBANCE OF THE MATERIAL. THE TRANSITION FROM REMOVAL OF ACBM TO ITS FINAL DISPOSAL SHALL COMPLY WITH THE FOLLOWING:
   a. LOCAL STORAGE: REMOVED ACBM IS TO BE DOUBLE-BAGGED AND PROPERLY LABELED, 6-MIL PLASTIC BAGS. THE STORAGE AREA SHALL BE AS FAR AS POSSIBLE FROM ADJACENT BUILDING OCCUPANTS. STORAGE SITE SHOULD HAVE EASILY VISIBLE WARNING LABELS ON THE EXTERIOR OF THE SITE PER OSHA RECOMMENDATIONS.
   b. AREA SECURITY: THE STORAGE SITE SHOULD BE SECURED TO PREVENT THE PUBLIC / VISITORS FROM ENTERING THE AREA.
   c. STORAGE CONTAINERS MUST BE PROPERLY LABELED AND LEAK-TIGHT. CONTAINERS SHALL BE LABELED PER DOT AND EPA STANDARDS FOR WASTE TRANSPORT.
   d. TRANSPORT: TRANSPORTATION OF ACM WASTE SHALL COMPLY WITH CURRENT DOT AND EPA REQUIREMENTS.
M. CONTRACTOR SHALL MAINTAIN DETAILED RECORDS PER OSHA AND EPA REQUIREMENTS OF ALL ASBESTOS-RELATED ACTIVITIES AND FURNISH THE RECORDS TO THE OWNER / ARCHITECT. TYPES OF RECORDS SHALL INCLUDE:
   a. MEDICAL SURVEILLANCE PROGRAM
   b. RESPIRATORY PROTECTION PROGRAM
   c. EMPLOYEE TRAINING
   d. NOTIFICATION OF DEMOLITION
   e. ASSESSMENT OF FRIABLE ACBM
   f. PERIODIC SURVEILLANCE
   g. MANAGEMENT PLAN
   h. AIR SAMPLE MONITORING
   i. RESPONSE ACTIONS
   j. OPERATIONS AND MAINTENANCE ACTIVITIES
   k. WASTE TRANSPORTATION AND DISPOSAL.

UTILITY LEGEND

NOTE: REFER TO CIVIL DEMOLITION PLAN FOR ADDITIONAL INFORMATION REGARDING EXISTING UTILITIES TO REMAIN AND UTILITY DEMOLITION.

— — W — —	EXISTING WATER UTILITY LINE TO REMAIN. PROTECT DURING DEMOLITION
— - W - - —	EXISTING WATER UTILITY LINE TO BE DEMOLISHED. REFER TO CIVIL.
—UGEL—	EXISTING UNDERGROUND ELECTRICAL / COMMUNICATION LINE TO REMAIN
— -UGEL- —	EXISTING UNDERGROUND ELECTRICAL / COMMUNICATION LINE TO BE DEMOLISHED. REFER TO ELECTRICAL.

SALVAGE SCHEDULE

NOTE: THE FOLLOWING ITEMS ARE TO BE CAREFULLY REMOVED FROM THE PROJECT SITE AND STORED IN OWNER FURNISHED STORAGE CONTAINERS LOCATED AT THE NMSU PHSYICAL PLANT AT 1530 WELLS ST., LAS CRUCES, NM 88003. COORDINATE ACCESS AND EXACT STORAGE LOCATIONS WITH OWNER.

BUILDING #	ITEM TO BE SALVAGED	NOTES
2	NONE	DISPOSE OF EVERYTHING INSIDE BUILDING
4	(6) TV MONITORS AND ASSOCIATED MOUNTS	REMOVE AND GIVE TO DR. LAVROVA FOR STORAGE (COORDINATE WITH NMSU PROJECT MANAGER)
4	MAHOGANY TABLES AND CHAIRS	STORE IN STORAGE CONTAINERS
4	(2) SHELVES	STORE IN STORAGE CONTAINERS
3	NONE	DISPOSE OF EVERYTHING INSIDE BUILDING
8	NONE	DISPOSE OF EVERYTHING INSIDE BUILDING
9	NONE	DISPOSE OF EVERYTHING INSIDE BUILDING
10	NONE	DISPOSE OF EVERYTHING INSIDE BUILDING
11	NONE	DISPOSE OF EVERYTHING INSIDE BUILDING
12	NONE	DISPOSE OF EVERYTHING INSIDE BUILDING

GENERAL NOTES - ELECTRICAL DEMOLITION

A. REFER TO ELECTRICAL SHEETS FOR FULL SCOPE OF ELECTRICAL DEMOLITION.
B. THE LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT AND UTILITIES SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE RECORD INFORMATION AND LIMITED FIELD OBSERVATIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO DEMOLITION. REPORT CONFLICTS OR DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING.
C. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL UTILITY OUTAGES AND THE REMOVAL OR ABANDONMENT OF THE 5 KV AND SECONDARY SYSTEMS WITH NMSU FACILITIES AND SERVICES. OBTAIN WRITTEN AUTHORIZATION BEFORE ANY WORK, TIE-IN, OR ADJUSTMENT TO UNIVERSITY UTILITY INFRASTRUCTURE. ALL WORK SHALL BE COORDINATED WITH NMSU TRADE SHOPS OR DIRECTLY SUPERVISED BY DESIGNATED UNIVERSITY UTILITY REPRESENTATIVES.
D. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SCHEDULING AND FEES ASSOCIATED WITH UTILITY DISCONNECTS UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
E. UTILITY-OWNED FACILITIES SHALL NOT BE DISTURBED BY THE CONTRACTOR.
F. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND UTILITY REQUIREMENTS GOVERNING DEMOLITION WORK.
G. COORDINATE ALL ELECTRICAL DEMOLITION ACTIVITIES WITH THE OWNER, LOCAL AUTHORITIES HAVING JURISDICTION (AHJ), AND EL PASO ELECTRIC PRIOR TO COMMENCEMENT OF DEMOLITION.
H. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS NECESSARY FOR ELECTRICAL SERVICE DISCONNECTS AND DEMOLITION ACTIVITIES.
I. CONTRACTOR SHALL NOTIFY EL PASO ELECTRIC SUFFICIENTLY IN ADVANCE TO SCHEDULE PERMANENT ELECTRICAL SERVICE DISCONNECT AND METER REMOVAL.
J. VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD ELECTRICAL UTILITIES PRIOR TO DEMOLITION. CONTACT THE APPROPRIATE UTILITY LOCATING SERVICE BEFORE EXCAVATION OR DEMOLITION ACTIVITIES.
K. PROTECT EXISTING UTILITIES THAT ARE TO REMAIN FROM DAMAGE DURING DEMOLITION OPERATIONS.
L. REMOVE ALL ELECTRICAL EQUIPMENT, CONDUCTORS, RACEWAYS, LIGHTING FIXTURES, DEVICES, PANELS, SWITCHBOARDS, TRANSFORMERS, COMMUNICATIONS EQUIPMENT, FIRE ALARM EQUIPMENT, AND ASSOCIATED SUPPORTS SERVING THE DEMOLISHED STRUCTURE UNLESS SPECIFICALLY INDICATED OTHERWISE.
M. REMOVE ABANDONED CONDUITS, CONDUCTORS, AND ELECTRICAL EQUIPMENT BACK TO THE NEAREST ACTIVE SOURCE UNLESS OTHERWISE NOTED.
N. ELECTRICAL EQUIPMENT INTENDED TO REMAIN IN SERVICE SHALL BE PROTECTED FROM DUST, MOISTURE, VIBRATION, AND PHYSICAL DAMAGE THROUGHOUT DEMOLITION OPERATIONS.
O. REMOVE ALL EXPOSED ELECTRICAL RACEWAYS, SUPPORTS, HANGERS, JUNCTION BOXES, CABINETS, AND ABANDONED ELECTRICAL COMPONENTS ASSOCIATED WITH DEMOLISHED CONSTRUCTION.
P. UNDERGROUND ELECTRICAL CONDUITS SERVING DEMOLISHED FACILITIES SHALL BE REMOVED WHERE PRACTICAL. CONDUITS THAT CANNOT BE REMOVED WITHOUT DISTURBING ADJACENT FACILITIES MAY BE ABANDONED IN PLACE AFTER REMOVAL OF CONDUCTORS AND CAPPED AT BOTH ENDS, SUBJECT TO OWNER APPROVAL.
Q. REMOVE CONDUCTORS FROM ALL ABANDONED RACEWAYS UNLESS OTHERWISE APPROVED BY THE OWNER.
R. PERMANENTLY TERMINATE, CAP, OR REMOVE ELECTRICAL FEEDERS AND BRANCH CIRCUITS SERVING DEMOLISHED EQUIPMENT IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES.
S. MAINTAIN ELECTRICAL SERVICE TO ADJACENT BUILDINGS AND FACILITIES SCHEDULED TO REMAIN OPERATIONAL THROUGHOUT DEMOLITION.
T. ANY INTERRUPTION OF ELECTRICAL SERVICE AFFECTING OCCUPIED FACILITIES SHALL BE COORDINATED WITH THE OWNER AND SCHEDULED IN ADVANCE.
U. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE WORKING CLEARANCES AROUND ENERGIZED EQUIPMENT THAT REMAINS IN SERVICE.
V. DE-ENERGIZE, LOCK OUT, AND TAG OUT ELECTRICAL SYSTEMS PRIOR TO DEMOLITION IN ACCORDANCE WITH OSHA REQUIREMENTS AND CONTRACTOR'S SAFETY PROGRAM.
W. CONFIRM ABSENCE OF VOLTAGE BEFORE BEGINNING DEMOLITION OF ELECTRICAL SYSTEMS.
X. DISPOSE OF REMOVED ELECTRICAL MATERIALS IN ACCORDANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS.
Y. FLUORESCENT LAMPS, HID LAMPS, BALLASTS, BATTERIES, TRANSFORMERS, AND OTHER REGULATED ELECTRICAL COMPONENTS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS. PCB-CONTAINING EQUIPMENT, IF ENCOUNTERED, SHALL BE HANDLED BY QUALIFIED PERSONNEL.
Z. SALVAGE ITEMS IDENTIFIED BY THE OWNER AND DELIVER THEM TO THE LOCATION DESIGNATED BY THE OWNER. ALL REMAINING REMOVED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED.
AA. CONTRACTOR SHALL REMOVE EXISTING GROUNDING ELECTRODES AND GROUNDING CONDUCTORS ASSOCIATED EXCLUSIVELY WITH THE DEMOLISHED STRUCTURE UNLESS OTHERWISE DIRECTED BY THE OWNER OR UTILITY.
BB. EXISTING UTILITY EASEMENTS AND UTILITY-OWNED FACILITIES SHALL NOT BE DISTURBED WITHOUT WRITTEN AUTHORIZATION FROM THE UTILITY OWNER.
CC. FINAL DEMOLITION SHALL NOT BEGIN UNTIL ALL ELECTRICAL SERVICES HAVE BEEN PERMANENTLY DISCONNECTED AND VERIFIED DE-ENERGIZED.
DD. AT COMPLETION OF DEMOLITION, LEAVE THE SITE FREE OF ELECTRICAL DEBRIS AND IN A SAFE CONDITION ACCEPTABLE TO THE OWNER AND AUTHORITIES HAVING JURISDICTION.

I.D.E.A.L. LAB (PHASE 1 DEMOLITION)

3617 S. LOCUST ST.
LAS CRUCES, NM 88003

Mark	Date	Description
ISSUE:	09/04/2026	95% CONSTRUCTION DOCUMENTS

DESERT PEAK ARCHITECTS

DESERT PEAK ARCHITECTS P.C.
311 N MAIN STREET
LAS CRUCES
NEW MEXICO 88001
P. 575.528.0022

STATE OF NEW MEXICO
09/04/2026
NOT FOR CONSTRUCTION
RUBEN CONTRERAS II
NO. 6187
REGISTERED ARCHITECT

PROJECT NO.
206-143

SHEET TITLE
ARCHITECTURAL DEMOLITION SITE PLAN

SHEET NO.
D100

NEW MEXICO ELECTRICAL SPECIFICATIONS

GENERAL REQUIREMENTS

A. COMPLY WITH ALL APPLICABLE CODES AND STANDARDS IN THE ELECTRICAL INSTALLATION, INCLUDING BUT NOT LIMITED TO THE NATIONAL ELECTRICAL CODE (NEC), NFPA GUIDELINES, IEEE STANDARDS, AND RELEVANT LOCAL, STATE, AND FEDERAL REGULATIONS. ADHERE TO PROJECT–SPECIFIC REQUIREMENTS AND SPECIFICATIONS AS OUTLINED IN THE CONSTRUCTION DOCUMENTS FOR ALL WORK. ENSURE THAT THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND INSTALLING THE ENTIRE ELECTRICAL SYSTEM IN A MANNER THAT PROMOTES SDAFETY, ENERGY EFFICIENCY, AND LONG–TERM RELIABILITY.

B. REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING ARCHITECTURAL, MECHANICAL, AND STRUCTURAL PLANS, TO ENSURE A COMPREHENSIVE UNDERSTANDING OF THE PROJECT SCOPE. INTERPRET ELECTRICAL PLANS AS DIAGRAMMATIC AND INTENDED SOLELY FOR GENERAL GUIDANCE; COORDINATE WITH ALL TRADES IN DETAIL TO PREVENT CONFLICTS AND MAINTAIN THE DESIGN INTENT. VERIFY ALL FIELD CONDITIONS, ADJUSTING INSTALLATIONS AS NECESSARY TO ENSURE PROPER FIT, FUNCTION, AND ACCESSIBILITY.

C. EXECUTE ELECTRICAL WORK EXCLUSIVELY BY LICENSED AND EXPERIENCED ELECTRICIANS. ADHERE TO INDUSTRY BEST PRACTICES FOR ALL LABOR, WITH METICULOUS ATTENTION TO DETAIL IN EVERY ASPECT OF INSTALLATION. ENFORCE TEMPORARY SAFETY MEASURES, INCLUDING LOCK–OUT/TAG–OUT PROCEDURES, STRICTLY THROUGHOUT THE PROJECT TO PREVENT ACCIDENTS AND ENSURE ON–SITE PERSONNEL SAFETY.

D. COORDINATE ELECTRICAL SYSTEMS EFFECTIVELY WITH STRUCTURAL, ARCHITECTURAL, AND MECHANICAL COMPONENTS. INSTALL ELECTRICAL CONDUITS, CABLE TRAYS, AND OTHER ELEMENTS PARALLEL OR PERPENDICULAR TO BUILDING LINES, SUPPORTING THEM IN A MANNER THAT ENSURES LONG–TERM STABILITY. CONCEAL ALL WIRING WITHIN WALLS, FLOORS, OR CEILINGS UNLESS EXPLICITLY NOTED OTHERWISE, AND FINISH EXPOSED CONDUITS TO COMPLEMENT THE BUILDING'S AESTHETIC.

E. PROTECT ALL COMPLETED INSTALLATIONS FROM POTENTIAL DAMAGE OR CONTAMINATION BY IMPLEMENTING TEMPORARY COVERS AND BARRIERS TO PREVENT DUST AND DEBRIS FROM ENTERING ELECTRICAL EQUIPMENT. KEEP EQUIPMENT ENCLOSURES SEALED UNTIL FINAL CONNECTIONS ARE MADE AND SYSTEMS ARE READY FOR COMMISSIONING.

F. PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE THROUGHOUT THE WORK'S DURATION. SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTS UNLESS OTHERWISE SPECIFIED, COVERING ANY SUBSTITUTIONS REQUESTED BY THE CONTRACTOR.

G. EMERGENCY EGRESS LIGHTING TO COMPLY WITH 2020 IBC SECTION 106 AND 2021 NEC 700.12.

SUBMITTALS

H. SUBMIT DETAILED SHOP DRAWINGS FOR ALL ELECTRICAL SYSTEMS, INCLUDING PANELBOARDS, TRANSFORMERS, SWITCHGEAR, DISTRIBUTION BOARDS, LIGHTING FIXTURES, AND EMERGENCY POWER SYSTEMS. PROVIDE COMPREHENSIVE INFORMATION IN SHOP DRAWINGS ON EQUIPMENT DIMENSIONS, CIRCUITING, MOUNTING DETAILS, AND POTENTIAL CONFLICTS WITH OTHER BUILDING COMPONENTS.

I. INCLUDE PRODUCT DATA SHEETS FOR ALL ELECTRICAL MATERIALS AND EQUIPMENT WITHIN THE SUBMITTAL PACKAGE. DETAIL SPECIFICATIONS, PERFORMANCE RATINGS, COMPLIANCE CERTIFICATIONS, PHYSICAL DIMENSIONS, AND INSTALLATION REQUIREMENTS ON EACH DATA SHEET, HIGHLIGHTING ANY DEVIATIONS FROM PROJECT SPECIFICATIONS FOR REVIEW AND APPROVAL.

J. SUBMIT AS–BUILT DRAWINGS AT PROJECT COMPLETION, ACCURATELY DOCUMENTING ALL CHANGES MADE DURING INSTALLATION. INCLUDE FINAL ROUTING OF CONDUITS, CABLE TRAYS, AND CIRCUIT NUMBERS IN THESE DRAWINGS. UPDATE ALL PANEL SCHEDULES TO REFLECT THE FINAL CONFIGURATION, ENSURING EACH CIRCUIT IS CLEARLY LABELED WITH ITS CORRESPONDING LOAD.

K. PROVIDE COMPREHENSIVE OPERATION AND MAINTENANCE MANUALS FOR ALL INSTALLED EQUIPMENT. INCLUDE WIRING DIAGRAMS, CONTROL SEQUENCES, RECOMMENDED MAINTENANCE PROCEDURES, AND TROUBLESHOOTING GUIDES IN MANUALS, AND DOCUMENT WARRANTIES FOR ALL MAJOR COMPONENTS WITH CLEAR INSTRUCTIONS ON REQUESTING SERVICE DURING THE WARRANTY PERIOD.

L. SUBMIT A DETAILED COMMISSIONING PLAN OUTLINING ALL TESTING, VERIFICATION, AND DOCUMENTATION PROCEDURES. INCLUDE DESCRIPTIONS OF FUNCTIONAL TESTS, ACCEPTANCE CRITERIA, AND STEPS FOR ADDRESSING IDENTIFIED DEFICIENCIES IN THE PLAN, AND COORDINATE COMMISSIONING ACTIVITIES WITH THE OWNER'S REPRESENTATIVE TO ENSURE ALL SYSTEMS ARE FULLY OPERATIONAL AND MEET DESIGN PERFORMANCE CRITERIA.

M. PREPARE A SEQUENCE OF OPERATIONS FOR ALL CONTROL SYSTEMS, INCLUDING LIGHTING CONTROLS, HVAC INTEGRATION, AND EMERGENCY POWER SWITCHING. DEFINE CLEARLY THE INTENDED RESPONSE OF EACH SYSTEM UNDER NORMAL AND EMERGENCY CONDITIONS, SPECIFYING SETPOINTS AND OVERRIDE PROCEDURES WHERE APPLICABLE.

QUALITY ASSURANCE

N. MAINTAIN A PROVEN RECORD OF SUCCESSFULLY COMPLETING SIMILAR PROJECTS OF COMPARABLE SIZE AND COMPLEXITY AS AN ELECTRICAL CONTRACTOR. SUBMIT DOCUMENTATION OF AT LEAST FIVE YEARS OF EXPERIENCE WITH REFERENCES FROM THREE COMPLETED PROJECTS, INCLUDING CONTACT INFORMATION FOR VERIFICATION.

O. ESTABLISH A ROBUST QUALITY CONTROL PROGRAM THAT INCLUDES REGULAR INSPECTIONS AND ADHERENCE TO ALL PROJECT SPECIFICATIONS. OUTLINE PROCEDURES IN THE QUALITY CONTROL PLAN FOR MONITORING INSTALLATION, TESTING, AND COMPLIANCE DOCUMENTATION, CORRECTING NON–COMPLIANT WORK PROMPTLY AT NO ADDITIONAL COST TO THE OWNER.

P. CERTIFY ALL ELECTRICAL COMPONENTS AS UL–LISTED OR BY AN EQUIVALENT NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL). ACCOMPANY EQUIPMENT AND MATERIALS WITH DOCUMENTATION CONFIRMING COMPLIANCE WITH RELEVANT STANDARDS AND CODES, ENSURING THAT ALL ELECTRICAL COMPONENTS AND EQUIPMENT ARE NEW.

Q. MAINTAIN A COMPLETE SET OF ALL APPLICABLE CODES, STANDARDS, AND MANUFACTURER INSTRUCTIONS ON–SITE. DESIGNATE A QUALITY CONTROL REPRESENTATIVE WITH UNRESTRICTED ACCESS TO INSPECT WORK AT ANY STAGE AND VERIFY COMPLIANCE WITH SPECIFICATIONS.

R. CONDUCT REGULAR COORDINATION MEETINGS WITH REPRESENTATIVES FROM OTHER TRADES TO ENSURE THE ELECTRICAL INSTALLATION PROGRESSES HARMONIOUSLY WITH THE OVERALL CONSTRUCTION SCHEDULE. DOCUMENT MEETING MINUTES AND DISTRIBUTE THEM TO ALL RELEVANT PARTIES, NOTING ANY AGREED–UPON ADJUSTMENTS OR RESOLUTIONS TO CONFLICTS.

S. INSTALL ELECTRICAL PANELS AS PANEL BOARDS WITH COPPER BUSS, BOLTED CIRCUIT BREAKERS, AND KAIC RATINGS AS NOTED. PROVIDE A TYPED AND LAMINATED COMPLETE SCHEDULE FOR ALL DISCONNECTS, RATED FOR HEAVY–DUTY USE.

T. MARK BURIED ELECTRICAL CONDUITS PER CODE REQUIREMENTS WITH UNDERGROUND WARNING TAPE 3 INCHES BELOW THE FINISHED GRADE. USE A 4–INCH WIDE, RED–COLORED TAPE WITH A SUITABLE WARNING LEGEND PER LOCAL CODES AND JURISDICTION.

DELIVERY, STORAGE, AND HANDLING

U. DELIVER ALL ELECTRICAL EQUIPMENT AND MATERIALS TO THE SITE IN ORIGINAL, SEALED PACKAGING WITH MANUFACTURER LABELS CLEARLY INDICATING CONTENTS. INSPECT EACH SHIPMENT FOR DAMAGE, DOCUMENTING AND REPORTING DISCREPANCIES OR DEFECTS TO THE SUPPLIER IMMEDIATELY, WITH DAMAGED OR SUBSTANDARD ITEMS REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

V. STORE ELECTRICAL COMPONENTS IN A SECURE, DRY, AND WELL–VENTILATED AREA, PROTECTED FROM DUST, MOISTURE, AND EXTREME TEMPERATURES. ELEVATE EQUIPMENT SUCH AS TRANSFORMERS, SWITCHGEAR, AND PANELBOARDS OFF THE GROUND AND COVER THEM TO PREVENT CONTAMINATION, MAINTAINING A LOG OF STORAGE CONDITIONS AND CONDUCTING WEEKLY INSPECTIONS TO VERIFY MATERIAL INTEGRITY.

W. HANDLE ELECTRICAL EQUIPMENT CAREFULLY, USING PROPER LIFTING AND RIGGING METHODS TO PREVENT PHYSICAL DAMAGE. CERTIFY LIFTING EQUIPMENT, USING IT ACCORDING TO THE MANUFACTURER'S GUIDELINES, PROTECTING DELICATE COMPONENTS, SUCH AS RELAY CONTACTS AND ELECTRONIC BOARDS, FROM ELECTROSTATIC DISCHARGE (ESD) BY EMPLOYING APPROPRIATE HANDLING TECHNIQUES AND PROTECTIVE MEASURES.

INSTALLATION

X. INSTALL ALL ELECTRICAL SYSTEMS AS SPECIFIED IN THE APPROVED DRAWINGS AND IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS. EXECUTE WIRING METHODS WITH PRECISION, ENSURING THAT ALL CONDUCTORS ARE ADEQUATELY PROTECTED, SECURED, AND ROUTED TO PREVENT POTENTIAL DAMAGE, AND INSTALL RACEWAYS WITH CLEAN, EVEN BENDS, ENSURING ALL JUNCTION BOXES ARE ACCESSIBLE.

Y. RUN ALL WIRING IN RIGID CONDUIT, INTERMEDIATE METALLIC CONDUIT (IMC), OR ELECTRICAL METALLIC TUBING (EMT) ACCORDING TO THE N.E.C., ALLOWING MC CABLE ONLY FOR FIXTURE WHIPS. DO NOT USE ALUMINUM CONDUIT UNLESS SPECIFIED ON DRAWINGS, AND DO NOT INSTALL EMT OR ALUMINUM CONDUIT IN CONCRETE SLABS OR BELOW GRADE. USE MINIMUM ¾–INCH CONDUITS AND INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR SIZED PER THE N.E.C., WITH A #9 PULL WIRE IN ALL EMPTY CONDUITS.

Z. MOUNT EQUIPMENT SUCH AS SWITCHGEAR, MOTOR CONTROL CENTERS, AND DISTRIBUTION PANELS ON CONCRETE HOUSEKEEPING PADS UNLESS OTHERWISE SPECIFIED. ENSURE HOUSEKEEPING PADS ARE A MINIMUM OF 4 INCHES HIGH AND EXTEND 3 INCHES BEYOND THE EQUIPMENT FOOTPRINT ON ALL SIDES, LEVELING AND ALIGNING EQUIPMENT FOR PROPER OPERATION AND SERVICEABILITY.

AA. SEAL FIRE–RATED PENETRATIONS USING APPROVED FIRESTOP SYSTEMS TO MAINTAIN THE INTEGRITY OF THE FIRE–RATED ASSEMBLY. INSTALL FIRESTOP MATERIALS IN ACCORDANCE WITH UL LISTINGS AND MANUFACTURER INSTRUCTIONS, SUBMITTING A FIRESTOP SCHEDULE WITH DETAILS ON ALL MATERIALS USED AND THEIR RESPECTIVE RATINGS FOR REVIEW AND APPROVAL.

AB. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS AND ENSURE THAT ELECTRICAL OUTLETS, SWITCHES, AND DEVICES ALIGN WITH ARCHITECTURAL AND INTERIOR DESIGN PLANS. ADJUST INSTALLATIONS AS NECESSARY TO ACCOMMODATE MILLWORK, FINISHES, AND HVAC COMPONENTS, AVOIDING BACK–TO–BACK INSTALLATIONS IN WALLS TO REDUCE SOUND TRANSMISSION.

BB. INSTALL ELECTRICAL FIXTURES AND DEVICES WITH ATTENTION TO ALIGNMENT AND AESTHETICS, ENSURING WALL PLATES ARE FLUSH WITH FINISHED SURFACES AND SECURELY MOUNTING FIXTURES. USE TAMPER–RESISTANT RECEPTACLES IN ALL PUBLIC AREAS IN ACCORDANCE WITH THE NEC.

CC. INCREASE BRANCH CIRCUIT WIRE SIZE AS REQUIRED TO PREVENT EXCESSIVE VOLTAGE DROP AS FOLLOWS: 60'–100' – #10 AWG; OVER 100' – #8 AWG. GROUND CONDUIT SYSTEMS AND NEUTRAL CONDUCTORS PER THE N.E.C. AND LOCAL CODES, ENSURING GROUNDING AND BONDING COMPLY WITH ALL RELEVANT REQUIREMENTS.
5.8 USE THE FOLLOWING WIRING COLOR CODE:

	120/208	277/480
PHASE A	BLACK	BROWN
PHASE B	RED	ORAGE
PHASE C	BLUE	YELLOW
NEUTRAL	WHITE	GRAY
GROUND	GREEN	GREEN
SWITCH	PINK/PURPLE	PINK/PURPLE

TESTING AND COMMISSIONING

DD. PERFORM A COMPLETE SET OF ELECTRICAL TESTS TO VERIFY SYSTEM INTEGRITY, INCLUDING CONTINUITY, INSULATION RESISTANCE, GROUNDING, AND FUNCTIONAL PERFORMANCE TESTS. CALIBRATE AND CERTIFY TESTING EQUIPMENT, WITH DOCUMENTATION AVAILABLE FOR REVIEW BY THE ENGINEER.

EE. CONDUCT LOAD BALANCING ON ALL PANELBOARDS TO ENSURE EVEN DISTRIBUTION OF ELECTRICAL LOADS ACROSS ALL PHASES, DOCUMENTING PHASE CURRENT READINGS UNDER FULL LOAD CONDITIONS AND MAKING NECESSARY ADJUSTMENTS TO MAINTAIN BALANCE. SUBMIT LOAD ANALYSIS REPORTS AS PART OF COMMISSIONING DOCUMENTATION.

FF. TEST ALL EMERGENCY POWER SYSTEMS, INCLUDING AUTOMATIC TRANSFER SWITCHES (ATS) AND BACKUP GENERATORS, UNDER SIMULATED POWER FAILURE CONDITIONS. VERIFY SYSTEMS OPERATE AS DESIGNED AND PROVIDE POWER TO ALL ESSENTIAL LOADS WITHIN THE REQUIRED TIMEFRAME, DOCUMENTING TEST RESULTS, INCLUDING RUN TIMES, LOAD PERFORMANCE, AND ANOMALIES.

GG. TEST FIRE ALARM AND LIFE SAFETY SYSTEMS IN THE PRESENCE OF THE LOCAL FIRE MARSHAL, CONDUCTING FUNCTIONAL TESTS ON DETECTION, NOTIFICATION, AND CONTROL DEVICES. VERIFY NOTIFICATION APPLIANCES MEET THE SPECIFIED DECIBEL LEVELS, ENSURING FIRE ALARM CONTROL PANELS COMMUNICATE CORRECTLY WITH MONITORING STATIONS.

HH. SUBMIT A COMPREHENSIVE COMMISSIONING REPORT, INCLUDING ALL TEST RESULTS, OBSERVATIONS, CORRECTIVE

IDENTIFICATION AND LABELING

II. LABEL ALL ELECTRICAL PANELS, SWITCHGEAR, TRANSFORMERS, AND JUNCTION BOXES WITH ENGRAVED PHENOLIC NAMEPLATES. ENSURE NAMEPLATES ARE DURABLE, MOISTURE–RESISTANT, AND SECURELY FASTENED, INCLUDING INFORMATION SUCH AS EQUIPMENT DESIGNATION, VOLTAGE, AND SOURCE LOCATION.

JJ. UPDATE CIRCUIT DIRECTORIES FOR ALL PANELBOARDS, TYPE THEM, AND ENCLOSE THEM IN A PROTECTIVE COVER MOUNTED INSIDE EACH PANEL DOOR. IDENTIFY EACH CIRCUIT CLEARLY BY LOAD DESCRIPTION AND ROOM NUMBER. IF ANY CONSTRUCTION CHANGES OCCUR, UPDATE DIRECTORIES TO REFLECT THE FINAL CONFIGURATION.

KK. COLOR–CODE ALL WIRING ACCORDING TO NEC STANDARDS AND PROJECT REQUIREMENTS. USE INTEGRALLY COLORED INSULATION FOR FEEDERS, BRANCH CIRCUITS, AND CONTROL WIRING WHERE SPECIFIED, AND IDENTIFY ALL GROUNDING CONDUCTORS AND ISOLATED GROUNDS WITH APPROPRIATE LABELS.

LL. LABEL CONDUITS AT INTERVALS NOT EXCEEDING 20 FEET AND AT ALL POINTS OF TERMINATION OR ENTRY. USE PERMANENT, UV–RESISTANT LABELS FOR OUTDOOR INSTALLATIONS. LABEL EMERGENCY POWER CIRCUITS IN RED, AND APPLY DISTINCT MARKINGS TO FIRE ALARM CIRCUITS AS REQUIRED BY NFPA STANDARDS.

GROUNDING AND BONDING

MM. COMPLY WITH NEC ARTICLE 250 AND APPLICABLE LOCAL CODES FOR ALL GROUNDING AND BONDING WORK. INSTALL A CONTINUOUS, LOW–IMPEDANCE PATH TO GROUND FOR ALL ELECTRICAL ENCLOSURES, EQUIPMENT, AND RACEWAYS, USING COPPER CONDUCTORS FOR ALL GROUNDING AND BONDING APPLICATIONS UNLESS OTHERWISE APPROVED.

NN. INSTALL GROUNDING ELECTRODES, INCLUDING RODS, PLATES, AND GRIDS, TO ACHIEVE A MAXIMUM RESISTANCE OF 25 OHMS OR LESS. CONDUCT GROUND RESISTANCE TESTING WITH CERTIFIED EQUIPMENT AND SUBMIT TEST RESULTS FOR REVIEW. IF RESISTANCE VALUES DO NOT MEET REQUIREMENTS, INSTALL ADDITIONAL ELECTRODES AS NECESSARY.

OO. BOND ALL METAL PARTS OF THE ELECTRICAL SYSTEM, INCLUDING RACEWAYS, ENCLOSURES, AND SUPPORT STRUCTURES, TO THE MAIN GROUNDING SYSTEM. USE MECHANICAL OR EXOTHERMIC CONNECTIONS AS SPECIFIED, ENSURING A SECURE BOND CAPABLE OF CARRYING FAULT CURRENT.

PP. PROVIDE ISOLATED GROUND SYSTEMS FOR SENSITIVE ELECTRONIC EQUIPMENT AS SPECIFIED IN THE PLANS. BOND ISOLATED GROUNDS ONLY TO THE MAIN GROUNDING SYSTEM AT THE SERVICE ENTRANCE OR DESIGNATED GROUNDING POINT TO PREVENT ELECTRICAL NOISE INTERFERENCE.

SELECTIVE DEMOLITION AND RENOVATION

QQ. IDENTIFY AND VERIFY ALL CIRCUITS AND DEVICES TO BE REMOVED BEFORE STARTING DEMOLITION WORK. REMOVE ALL ABANDONED WIRING AND CONDUIT BACK TO THE SOURCE PANEL OR CAP AND LABEL THEM AS ⎕SPARE⎕ APPROPRIATELY. DOCUMENT ALL REMOVED OR MODIFIED COMPONENTS.

RR. COORDINATE WITH THE OWNER, ARCHITECT, AND/OR ENGINEER FOR ANY WORK THAT MAY AFFECT ELECTRICAL SERVICES OUTSIDE THE CONTRACT'S SCOPE. SCHEDULE ANY SHUTDOWNS OR SYSTEM TIE–INS RELATED TO THESE SERVICES AND SUBMIT THEM IN WRITING FOR APPROVAL BY THE OWNER'S FACILITY MANAGEMENT, OWNER, ARCHITECT, OR ENGINEER. SUBMIT A WRITTEN CONSTRUCTION PHASING SCHEDULE OUTLINING THE PRIORITY AREAS FOR EACH WORK PHASE, INCLUDING ANTICIPATED COMPLETION TIMES, AT LEAST ONE WEEK BEFORE COMMENCING WORK. ALLOW FACILITY MANAGEMENT, THE OWNER, ARCHITECT, OR ENGINEER TO REVIEW AND APPROVE THESE SCHEDULES BEFORE STARTING THE WORK.

SS. SALVAGE ANY REUSABLE ELECTRICAL COMPONENTS AS DIRECTED BY THE OWNER, AND PROPERLY DISPOSE OF HAZARDOUS MATERIALS SUCH AS FLUORESCENT LAMPS, MERCURY SWITCHES, AND PCB–CONTAINING BALLASTS ACCORDING TO LOCAL AND FEDERAL ENVIRONMENTAL REGULATIONS.

TT. REPAIR AND RESTORE ANY SURFACES AFFECTED BY ELECTRICAL WORK TO MATCH SURROUNDING FINISHES, COORDINATING PATCHING, PAINTING, AND OTHER RESTORATION ACTIVITIES WITH THE GENERAL CONTRACTOR TO ENSURE A SEAMLESS APPEARANCE.

SAFETY AND HOUSEKEEPING

UU. ADHERE TO STRICT SAFETY STANDARDS THROUGHOUT THE PROJECT. IMPLEMENT LOCK–OUT/TAG–OUT PROCEDURES FOR ALL ENERGIZED CIRCUITS AND EQUIPMENT, PROVIDE PERSONAL PROTECTIVE EQUIPMENT (PPE) FOR ALL WORKERS, AND ENFORCE OSHA SAFETY REGULATIONS. CONDUCT REGULAR SAFETY MEETINGS AND TRAINING SESSIONS TO PROMOTE SAFETY AWARENESS.

VV. MAINTAIN A CLEAN AND ORGANIZED WORK AREA AT ALL TIMES. REMOVE DEBRIS DAILY, STORE MATERIALS IN DESIGNATED AREAS, AND ENSURE ALL PATHWAYS, EXITS, AND EMERGENCY ACCESS POINTS REMAIN UNOBSTRUCTED. PERFORM DAILY INSPECTIONS TO IDENTIFY AND ADDRESS ANY SAFETY HAZARDS.

WW. ERECT TEMPORARY BARRIERS AND POST WARNING SIGNS AROUND HAZARDOUS AREAS TO PROTECT BUILDING OCCUPANTS AND VISITORS. ENSURE BARRIERS ARE STURDY AND SECURE, AND THAT SIGNS ARE CLEARLY VISIBLE AND EASY TO READ. REMOVE ALL TEMPORARY PROTECTIONS UPON PROJECT COMPLETION AND CLEAN THE AREA THOROUGHLY.

WARRANTY AND MAINTENANCE

XX. PROVIDE A MINIMUM ONE–YEAR WARRANTY ON ALL ELECTRICAL SYSTEMS, COVERING BOTH LABOR AND MATERIALS. ADDRESS AND CORRECT ANY DEFECTS OR FAILURES ARISING DURING THE WARRANTY PERIOD PROMPTLY AND AT NO ADDITIONAL COST TO THE OWNER. SECURE EXTENDED WARRANTIES FOR CRITICAL ELECTRICAL COMPONENTS, INCLUDING TRANSFORMERS, SWITCHGEAR, AND CONTROL PANELS, CLEARLY SPECIFYING TERMS AND COVERAGE FOR EACH COMPONENT WITHIN THE WARRANTY DOCUMENTATION.

YY. SUPPLY COMPREHENSIVE MAINTENANCE MANUALS FOR ALL INSTALLED ELECTRICAL EQUIPMENT, DETAILING STEP–BY–STEP PROCEDURES FOR ROUTINE MAINTENANCE, RECOMMENDED SERVICE INTERVALS, TROUBLESHOOTING GUIDES, AND A LIST OF RECOMMENDED SPARE PARTS. ORGANIZE INFORMATION FOR EASY REFERENCE DURING MAINTENANCE ACTIVITIES. SCHEDULE AND CONDUCT A TRAINING SESSION FOR THE OWNER'S MAINTENANCE STAFF TO COVER ALL ASPECTS OF SYSTEM OPERATION, MAINTENANCE PROCEDURES, AND SAFETY PRACTICES, ENSURING STAFF ARE FULLY PREPARED FOR ONGOING SYSTEM UPKEEP.

ZZ. PERFORM A POST–WARRANTY INSPECTION TO EVALUATE THE ELECTRICAL SYSTEM'S PERFORMANCE, DOCUMENTING ANY NECESSARY ADJUSTMENTS OR IMPROVEMENTS. SUBMIT A REPORT SUMMARIZING THE INSPECTION RESULTS, IDENTIFYING AREAS THAT MAY NEED FURTHER ATTENTION, AND PROVIDING RECOMMENDATIONS FOR MAINTAINING SYSTEM EFFICIENCY, RELIABILITY, AND OPTIMAL PERFORMANCE.

ELECTRICAL SYMBOL LEGEND

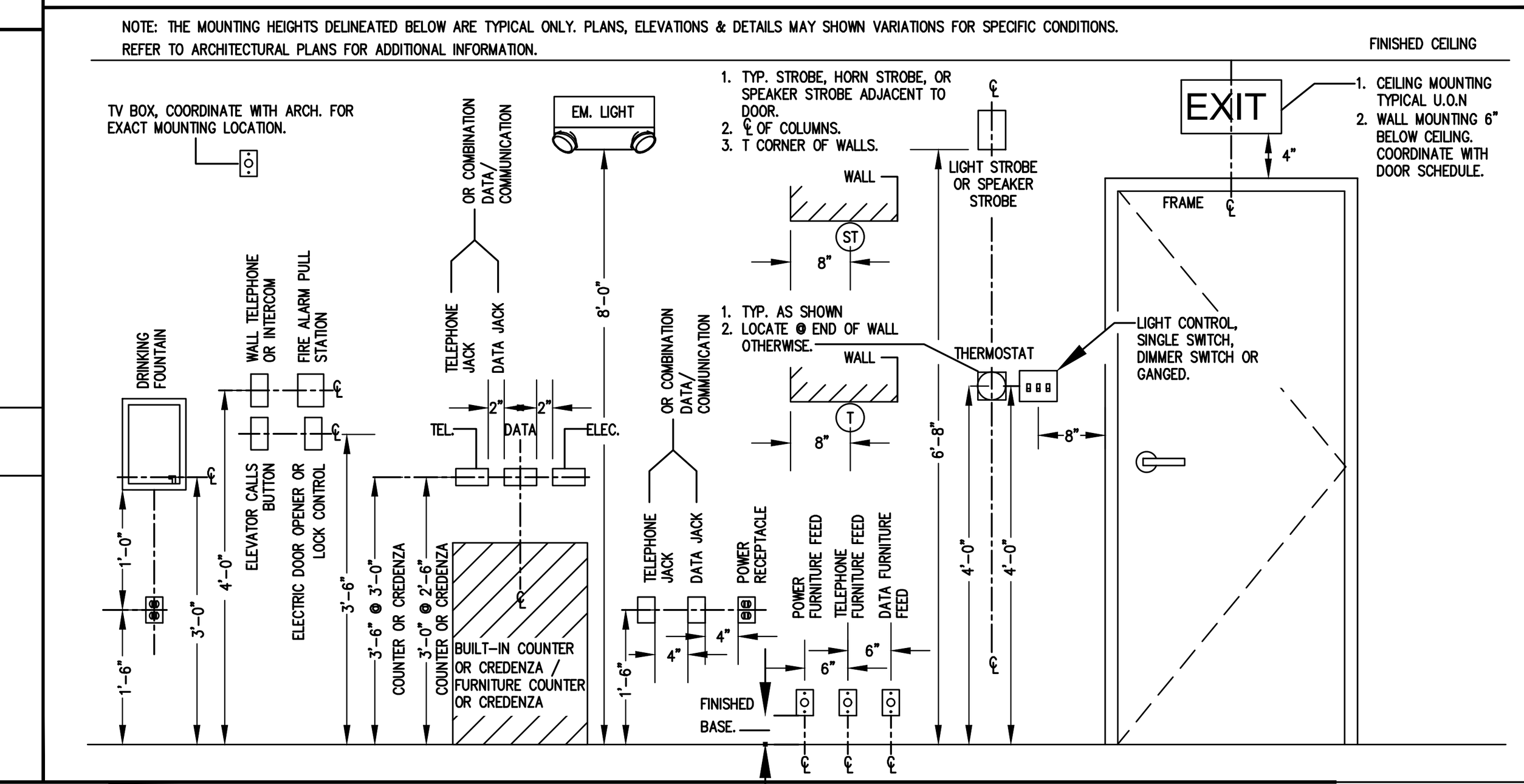
A OR AMP	AMPERE	EWH	ELECTRICAL WATER HEATER	MTD	MOUNTED	RTU	ROOF TOP UNIT
AF	AMP FUSED	FA	FIRE ALARM	NC	NORMALLY CLOSED	SW	SWITCH
AFF	ABOVE FINISH FLOOR	FLA	FULL LOAD AMPERES	NEC	NATIONAL ELECTRIC CODE	TC	TIMER CONTACTOR
AHU	AIR HANDLING UNIT	GC	GENERAL CONTRACTOR	NEUT	NEUTRAL	T OR XFORMER	TRANSFORMER
AIC	AMPS INTERRUPTING CAPACITY	GFI	GROUND FAULT INTERRUPTER	NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION	TEL	TELEPHONE
AL	ALUMINUM	GND	GROUND			TYP	TYPICAL
COND./C	CONDUIT	HP	HORSE POWER	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	UG	UNDER GROUND
CKT	CIRCUIT	HZ	HERTZ			UH	UNIT HEATER
CLG	CEILING	IG	ISOLATED GROUND	NF	NON FUSED	V	VOLT
CU	COPPER	J-BOX	JUNCTION BOX	NO	NORMALLY OPEN	VA	VOLT AMPERES
DISC	DISCONNECT	KVA	KILOVOLT AMPERES	PB	PUSHBUTTON	W	WATTS
EC	ELECTRICAL CONTRACTOR	KW	KILOWATT	PC	PHOTOCELL	WP	WEATHER PROOF
EM	EMERGENCY	LTG	LIGHTING	PH	PHASE	W/O	WITHOUT
EPEC	EL PASO ELECTRIC COMPANY	MC/MECH	MECHANICAL CONTRACTOR	PNL	PANEL	Y	WYE CONNECTED
EWC	ELECTRICAL WATER COOLER	MCM	THOUSAND CIRCULAR MIL	PVC	POLYVINYL CHLORIDE CONDUIT	ø	PHASE

DEFINITIONS

CONTRACTOR	MEANS THE PERSON(S), FIRM OR COMPANY WHOSE TENDER FOR THE ELECTRICAL INSTALLATION HAS BEEN ACCEPTED BY THE EMPLOYER AND INCLUDE THE CONTRACTOR'S PERSONAL REPRESENTATIVE, SUCCESSOR, AND PERMITTED ASSIGNS.(The word "Contractor" may also mean sub-contractor as the context requires.)	EQUIPMENT SUPPLIER	MEANS A PERSON WHO GENERATE, SUPPLIES AND SELLS SPECIAL EQUIPMENT FOR USE IN THE PROJECT.
		PROVIDE	FURNISH AND INSTALL, UNLESS OTHERWISE NOTED.
		OR EQUAL	EQUAL IN QUALITY AND FUNCTION.
DRAWINGS	MEANS THE DRAWINGS REFEREED TO IN THE CONTRACT AND ANY MODIFICATION OF SUCH DRAWINGS APPROVED BY THE ARCHITECT AND SUCH OTHER DRAWINGS AS MAY FROM TIME TO TIME BE FURNISHED OR APPROVED IN WIRING BY ARCHITECT.	INSTALL	FURNISH AND INSTALL, UNLESS OTHERWISE NOTED.
		OTHERS	MEANS ANOTHER PERSON WILL PROVIDE OR INSTALL SUCH AS OTHER CONTRACTOR, OWNER, TENANT, ETC.

TYPICAL DEVICE MOUNTING HEIGHTS

NOTE: THE MOUNTING HEIGHTS DELINEATED BELOW ARE TYPICAL ONLY. PLANS, ELEVATIONS & DETAILS MAY SHOWN VARIATIONS FOR SPECIFIC CONDITIONS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.



NOTE: ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE ABOVE FINISHED FLOOR, MOUNTING HEIGHTS INDICATED ON ARCHITECTURAL WALL ELEVATIONS OR AS NOTED SPECIFICALLY ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER MOUNTED HEIGHTS LISTED BELOW.

ELECTRICAL SYMBOL LEGEND

NOTE: THESE SYMBOLS COMPRISE A STANDARD LIST; NOT ALL SYMBOLS MAY APPEAR ON THIS PROJECT.

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION	MTG. HT.
A	LED LINEAR OR TROFFER LIGHT FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
A	DIRECTIONAL LIGHT, LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
A	WALL MOUNTED LIGHT FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
A	RECESSED CAN OR DOWNLIGHT LIGHT FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
EF	EXHAUST FAN, REFER TO MECHANICAL PLANS	
A	LED POLE MTD. LIGHT FIXTURE AND POLE, CAPITAL LETTER INDICATES FIXTURE AND POLE TYPE, REFER TO FIXTURE SCHEDULE	
A	LED DECORATIVE CHANDELIER LIGHT FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
A	PENDANT DECORATIVE LIGHT FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
A	CEILING FAN WITH OR WITHOUT LIGHT KIT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
EM	EMERGENCY LIGHT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
X1	EXIT LIGHT, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
A	BOLLARD LIGHTING FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
A	TRACK SYSTEM WITH LIGHT FIXTURES, CAPITAL LETTER INDICATES TRACK AND FIXTURE TYPE, REFER TO FIXTURE SCHEDULE	
$	WALL SWITCH, 20A SINGLE POLE, SINGLE THROW SYM / DESCRIPTION: ab SWITCH LEG CONTROL; 2 DOUBLE POLE; 3 THREE WAY; 4 FOUR WAY; D SLIDER DIMMER (1400W MIN.); K KEYED SWITCH (WITH OPERATING DEVICE TOOL); T ROTARY TIMER; M HORSE POWER MOTOR RATED SWITCH; B BYPASS SWITCH; LV LOW VOLTAGE SWITCH; P RED PILOT LIGHT	48"
$c	OCCUPANCY SENSOR WALL SWITCH DUAL TECHNOLOGY SENSOR (INFRARED & ULTRASONIC) SENSORWORX SWX-100	
$oc	OCCUPANCY SENSOR WALL SWITCH DUAL TECHNOLOGY SENSOR WITH RECEPTACLE CONTROL- SENSORWORX SWX-121-1-D-MS SWITCH/SWX-900 RECEPTACLE POWER PACK/SWX-900AX LIGHTING POWER PACK	
oc	CEILING MOUNTED OCCUPANCY SENSOR, WITH BYPASS SWITCH WALL MOUNTED SYM / DESCRIPTION: OC OCCUPANCY SENSOR, WITH BYPASS DUAL TECHNOLOGY SENSOR (INFRARED & ULTRASONIC)	

POWER SYMBOLS

SYMBOL	DESCRIPTION	MTG. HT.
	DUPLEX RECEPTACLE OUTLET, WALL MOUNTED SYM / DESCRIPTION / COLOR: STANDARD 20A – WHITE; IG ISOLATED GROUND – ORANGE W/ TRIANGLE; GFI 20A GFCI RATED – WHITE; USB 20A WITH USB POWER PORT – WHITE; D DEDICATED 5-20R – GRAY; EM EMERGENCY – RED; C CHILD PROOF – IVORY/WHITE	18"
	DUPLEX RECEPTACLE OUTLET GFCI RATED, WALL MOUNTED	44"
	120/250VAC - 30A. 10-30R, RECEPTACLE WALL MOUNTED	18"
	CONTROLLED DUPLEX RECEPTACLE, SPLIT WIRE. TOP CONTROLLED, BOTTOM UNCONTROLLED. TOP TO BE GREEN IN COLOR OR DENOTED AS CONTROLLED.	18"
	QUADRUPLEX RECEPTACLE, WALL MOUNTED	18"
	CONTROLLED QUADRUPLEX RECEPTACLE, SPLIT WIRE. ONE DUPLEX CONTROLLED (GREEN OR MARKED), ONE DUPLEX UNCONTROLLED.	18"
	FLOOR BOX. PROVIDE WITH RECEPTACLE(S) AND SPACE FOR TEL/DATA	
	DUPLEX RECEPTACLE OUTLET, CEILING MOUNTED	
	DUPLEX RECEPTACLE OUTLET, STUBB-UP 18" A.F.F. FOR EQUIPMENT	
	ELECTRICAL WIRING THRU WALL OR CEILING	
	ELECTRICAL WIRING BELOW FLOOR OR GRADE	
EUG	ELECTRICAL FEEDER, UNDER GRADE	
	STUBBED CONDUIT, TERMINATE WITH ISOLATED PLASTIC BUSHING	
A–X	HOME RUN TO PANELBOARD, CROSS MARKS INDICATE QUANTITY OF WIRE, ARROWS INDICATE QUANTITY OF CIRCUITS, NUMBERS INDICATE PANEL AND CIRCUITS	
A–X	HOME RUN TO PANELBOARD, CROSS MARK ON ARROW INDICATE CIRCUIT CONTINUES TO OTHER DEVICE.	
	HOME RUN TO PANELBOARD, CROSS MARK INDICATE CIRCUIT CONTINUES TO OTHER DEVICE.	
	HOME RUN, CROSS MARK INDICATE CIRCUIT, HALF CIRCLE INDICATE SWITCH LEGS	
	PANELBOARD, REFER TO CORRESPONDING PANEL SCHEDULE	
	JUNCTION BOX	

SPECIAL SYSTEMS SYMBOLS

SYMBOL	DESCRIPTION	MTG. HT.
	DATA/TEL. BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING	18"

SPECIAL SYSTEMS SYMBOLS

SYMBOL	DESCRIPTION	MTG. HT.
	DATA BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING	18"
	TEL. BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP 1" WITH PULLSTRING TO ABOVE ACCESSIBLE CEILING	18"
B	CHIME FOR DOOR BELL, WALL MOUNTED	48"
T	TRANSFORMER. VERIFY WITH MANUFACTURER.	
T R	THERMOSTAT/REMOTE SENSOR,BY OTHERS, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING	48"
S	HVAC CONTROLS, BY OTHERS, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	48"
TV	DATA/TEL. BOX IN WALL, 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, STUB UP 3/4" WITH COAX CABLE TO CABLE TV TERMINATION POINT	
B	BUZZER, CEILING MOUNTED OR WALL MOUNTED, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING	
P	PUSH BUTTON FOR BUZZER, CEILING MOUNTED OR WALL MOUNTED, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING	
PB	PUSH BUTTON FOR DOOR OPENER, CEILING MOUNTED OR WALL MOUNTED, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING	
	3/4" FIRE RATED PLYWOOD WITH #6 CU. GROUND TO BUILDING GROUNDING SYSTEM	

FIRE ALARM SYSTEM SYMBOLS

SYMBOL	DESCRIPTION	MTG. HT.
	PULL STATION WITH STOPPER, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	48"
45	STROBE, NUMBER DENOTES 'cd' RATING, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	96"
15 S	CEILING MOUNTED STROBE, NUMBER DENOTES 'cd' RATING, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	CLG
45	HORN/STROBE, NUMBER DENOTES 'cd' RATING, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	96"
15	CEILING MOUNTED HORN/STROBE, NUMBER DENOTES 'cd' RATING, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	
	SMOKE DETECTOR	
	CARBON MONOXIDE/SMOKE DETECTOR	
	DUCT DETECTOR	
FACP	FIRE ALARM CONTROL PANEL WITH DIGITAL NOTIFIER	
ANU	FIRE ALARM REMOTE ENUNCIATOR	
T F	FIRE SUPRESSION TAMPER AND FLOW SWITCH, PROVIDE 4" SQ. DEEP J-BOX WITH SINGLE GANG PLASTER RING, 1" CONDUIT TO ACCESSIBLE CEILING	

ELECTRICAL GENERAL NOTES

A. USE THESE DRAWINGS AS A GUIDE, WITH DIAGRAMS STRUCTURED FOR CLARITY AND APPROXIMATE ELECTRICAL EQUIPMENT SIZES AND LOCATIONS DEPICTED TO SCALE WHERE FEASIBLE. CONFIRM ALL MEASUREMENTS AND CLEARANCES ON–SITE, ACCOUNTING FOR ANY SPATIAL LIMITATIONS OR STRUCTURAL ELEMENTS THAT MAY IMPACT PLACEMENT OR ALIGNMENT OF ELECTRICAL COMPONENTS.

B. COORDINATE THOROUGHLY WITH ALL OTHER TRADES, INCLUDING STRUCTURAL, MECHANICAL, AND PLUMBING TEAMS, TO ENSURE SEAMLESS INSTALLATION AND INTEGRATION OF ELECTRICAL SYSTEMS. INCLUDE DETAILED PLANNING SESSIONS TO AVOID CONFLICTS IN SHARED SPACES OR OVERLAPPING INSTALLATIONS.

C. CONDUCT A PRE–BID SITE VISIT TO ASSESS ALL EXISTING CONDITIONS, INCLUDING ANY OBSTACLES THAT MAY IMPACT ELECTRICAL INSTALLATION. ACCOUNT FOR COSTS ASSOCIATED WITH RELOCATING OR ADJUSTING ELECTRICAL SYSTEMS IN THE BID, AND DOCUMENT ALL OBSERVATIONS MADE DURING THE SITE VISIT FOR FUTURE REFERENCE.

D. INSPECT THE SITE CAREFULLY BEFORE SUBMITTING A BID TO GAIN A COMPLETE UNDERSTANDING OF EXISTING CONDITIONS. BY SUBMITTING A BID, ACKNOWLEDGE THAT ALL CURRENT SITE CONDITIONS, INCLUDING ANY POTENTIAL COMPLICATIONS NOT SHOWN IN DRAWINGS, HAVE BEEN REVIEWED.

E. REPORT ANY DISCREPANCIES BETWEEN CONSTRUCTION DRAWINGS AND SITE CONDITIONS IMMEDIATELY TO THE ARCHITECT AND ENGINEER. TAKING A PROACTIVE APPROACH WILL ALLOW NECESSARY DESIGN ADJUSTMENTS OR REVISIONS TO INSTALLATION METHODS, ENSURING TIMELY RESOLUTION AND PREVENTING PROJECT DELAYS.

F. COORDINATE CONNECTION POINTS, ELEVATIONS, AND DIMENSIONS WITH THE GENERAL CONTRACTOR AND RELEVANT TRADES BEFORE BEGINNING ANY INSTALLATION WORK. ENSURE ALL ELECTRICAL CONNECTIONS ALIGN WITH SITE CONDITIONS AND THE REQUIREMENTS OF OTHER SYSTEMS.

G. MAINTAIN ACCURATE AS–BUILT DRAWINGS DOCUMENTING ALL CHANGES AND DEVIATIONS THROUGHOUT THE PROJECT. REGULARLY UPDATE THESE DRAWINGS AND SUBMIT THEM TO THE CONSTRUCTION MANAGER UPON PROJECT COMPLETION TO SUPPORT FUTURE MAINTENANCE OR MODIFICATIONS.

H. ATTEND THE PROJECT TURNOVER AS THE ELECTRICAL CONTRACTOR TO CONFIRM SYSTEM OPERABILITY AND PROVIDE A DETAILED HANDOVER. ADDRESS ANY IMMEDIATE QUESTIONS OR CONCERNS, ENSURING A SMOOTH TRANSITION TO OPERATIONAL STATUS.

I. PROVIDE COMPREHENSIVE OPERATION MANUALS FOR ALL ELECTRICAL EQUIPMENT AT PROJECT HANDOVER, INCLUDING SPECIFIC MAINTENANCE INSTRUCTIONS AND WARRANTY INFORMATION TO SUPPORT LONG–TERM FUNCTIONALITY AND COMPLIANCE.

J. COOPERATE WITH OTHER CONTRACTORS THROUGHOUT THE PROJECT, REPORTING CONFLICTS AS THEY ARISE TO MAINTAIN SMOOTH WORKFLOW AND RESOLVE ISSUES PROMPTLY.

K. COORDINATE WITH THE GENERAL CONTRACTOR TO PROVIDE FALL PROTECTION AND ACCESS DEVICES FOR ROOF–MOUNTED OR ELEVATED ELECTRICAL EQUIPMENT, ENSURING COMPLIANCE WITH SAFETY STANDARDS AND ACCESSIBLE MAINTENANCE.

L. FAMILIARIZE WITH ALL ARCHITECTURAL AND MECHANICAL SYSTEMS, INCLUDING ALL SPECIFIED EQUIPMENT'S NECESSARY ELECTRICAL CONNECTIONS WITHIN THE CONTRACT. EVALUATE ALL SYSTEM SPECIFICATIONS TO PREVENT POTENTIAL COORDINATION ISSUES AND ENSURE THAT POWER AND CONTROL NEEDS ALIGN PRECISELY WITH OTHER TRADES' REQUIREMENTS.

M. CONFIRM POWER REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT UPON SITE DELIVERY TO ENSURE COMPATIBILITY. ENSURE ALL DELIVERED EQUIPMENT MATCHES PROJECT SPECIFICATIONS FOR VOLTAGE, PHASE, AND AMPERAGE REQUIREMENTS TO AVOID ADJUSTMENTS OR COSTLY DELAYS IN INSTALLATION.

N. COORDINATE ELECTRIC SERVICE REQUIREMENTS WITH THE LOCAL UTILITY PRIOR TO STARTING WORK, ADHERING TO ALL LOCAL STANDARDS SUCH AS THE EPEC BLUE BOOK FOR SERVICE INSTALLATIONS. ESTABLISH UTILITY REQUIREMENTS EARLY IN THE PROJECT AND INTEGRATE ANY SPECIFIC MUNICIPAL STANDARDS INTO SERVICE DESIGNS TO STREAMLINE APPROVALS AND INSPECTIONS.

O. ENSURE THAT NO EQUIPMENT OR DEVICES ARE STORED DIRECTLY ON GRADE OR EXPOSED TO ELEMENTS BEFORE OR AFTER INSTALLATION, PROTECTING AGAINST CONTAMINANTS AND ENVIRONMENTAL FACTORS. UTILIZE WEATHER–RESISTANT COVERS, ELEVATED PLATFORMS, OR TEMPORARY STRUCTURES TO PROTECT SENSITIVE ELECTRICAL EQUIPMENT AND PREVENT DAMAGE FROM MOISTURE, DUST, OR TEMPERATURE EXTREMES.

P. COORDINATE LAY–IN LIGHT FIXTURE INSTALLATIONS TO ALIGN WITH THE REFLECTED CEILING PLAN AND THE LOCATIONS OF MECHANICAL DIFFUSERS. WORK CLOSELY WITH CEILING AND MECHANICAL INSTALLERS TO PREVENT INTERFERENCE, ENSURING THAT LIGHT FIXTURES ALIGN CORRECTLY FOR UNIFORM LIGHTING AND AESTHETIC CONSISTENCY.

Q. COORDINATE WITH THE MECHANICAL CONTRACTOR TO VERIFY COMPATIBILITY OF ELECTRICAL CONNECTIONS, INCLUDING POWER, CONTROLS, AND COMMUNICATION FOR ALL MECHANICAL EQUIPMENT. VERIFY THAT CONTROL SYSTEMS MEET OPERATIONAL REQUIREMENTS, AND CONFIRM ALL CONNECTIONS TO AVOID MISCOMMUNICATION OR FUNCTIONALITY ISSUES.

R. SUBMIT SCALED LAYOUTS FOR CLEARANCE VERIFICATION TO THE ENGINEER AFTER RECEIVING APPROVED SHOP DRAWINGS FOR ELECTRICAL DISTRIBUTION EQUIPMENT, ALLOWING TIME TO AVOID ROUGH–IN WORK DELAYS. INCLUDE ALL CLEARANCE ZONES, DIMENSIONS, AND CRITICAL INSTALLATION NOTES TO ENSURE ACCURACY IN ROUGH–IN PHASES AND AVOID CONFLICTS WITH OTHER BUILDING ELEMENTS.

INSTALLATION AND ROUTING

S. FIELD–VERIFY EQUIPMENT AND DEVICE LOCATIONS SHOWN AS APPROXIMATE, COORDINATING WITH ARCHITECTURAL DOCUMENTS FOR PRECISE PLACEMENTS. MEASURE AND CONFIRM DEVICE LOCATIONS ON–SITE TO ENSURE ALIGNMENT WITH ARCHITECTURAL DESIGN, MAINTAINING THE INTENDED LAYOUT AND AESTHETICS OF THE FINAL INSTALLATION.

T. DETERMINE CONDUIT ROUTING BASED ON FIELD CONDITIONS, AS SHOWN PATHS ON PLANS ARE SCHEMATIC. ASSESS FIELD CONSTRAINTS AND MAKE NECESSARY ADJUSTMENTS IN ROUTING TO ACCOMMODATE STRUCTURAL AND SPATIAL LIMITATIONS, ENSURING COMPLIANCE WITH CODE WHILE MINIMIZING BENDS AND MAINTAINING ACCESS.dd

U. CONFIRM MOUNTING HEIGHTS SHOWN AS APPROXIMATE WITH OTHER TRADES. ADJUST ACCORDINGLY FOR HVAC CONTROLS, THERMOSTATS, SENSORS, AND RESOLVE CONFLICTS WITH MILLWORK OR BOARDS WITHOUT ADDITIONAL COST. ENSURE MOUNTING HEIGHTS ALIGN WITH ERGONOMIC STANDARDS AND ACCESSIBILITY CODES, CONTRIBUTING TO A USER–FRIENDLY DESIGN.

V. CENTER OUTLETS AND DEVICES IN FINISHED FLOORS, POSITIONING BOX BOTTOMS 2" ABOVE BACKSPLASH WHERE MILLWORK IS PRESENT. VERIFY CENTERING TO ACHIEVE A UNIFORM APPEARANCE IN AREAS WITH VISIBLE OUTLETS, ALIGNING WITH CABINETRY, TRIM, AND OTHER MILLWORK AS NECESSARY.

W. INSTALL SWITCHES, OUTLETS, AND COMMUNICATION DEVICES WITH CLOSE COORDINATION TO ARCHITECTURAL DETAILS AND SECTIONS. POSITION DEVICES AS PER DESIGN INTENTIONS, KEEPING AESTHETICS AND ACCESSIBILITY CONSIDERATIONS IN MIND WHILE ACCOMMODATING WALL COVERINGS AND FINISHES.

X. USE CONDUIT (EMT OR RIGID) WITH A MINIMUM SIZE OF 3/4" FOR ALL ELECTRICAL WIRING AND HOME RUN CIRCUITS TO PANELS, UNLESS OTHERWISE SPECIFIED. CONFIRM CONDUIT SIZES MEET ALL LOAD AND FILL REQUIREMENTS, MINIMIZING ELECTRICAL RESISTANCE AND ENSURING FUTURE ACCESS FOR REWIRING IF NEEDED.

Y. SUPPORT ROOF–MOUNTED CONDUIT EVERY 10 FEET USING DURA–BLOCK OR AN EQUIVALENT SYSTEM, PROVIDING ALL REQUIRED ACCESSORIES. ENSURE ROOFTOP CONDUIT INSTALLATIONS MEET STRUCTURAL REQUIREMENTS AND ARE SECURED AGAINST HIGH WINDS OR ENVIRONMENTAL EXPOSURE TO PREVENT DAMAGE OVER TIME.

Z. ENSURE FIRE–RATED WALL, FLOOR, AND CEILING PENETRATIONS ARE FIRE–STOPPED BY A CERTIFIED CONTRACTOR. ELECTRICAL PENETRATIONS SHOULD BE NEATLY EXECUTED WITH PROPER TOOLS, COORDINATED WITH THE FIRESTOP CONTRACTOR, AND APPROVED BY LOCAL JURISDICTION. DOCUMENT ALL FIRE–STOPPING MATERIALS AND TECHNIQUES FOR INSPECTION PURPOSES TO MAINTAIN FIRE SAFETY COMPLIANCE.

AA. SUPPORT EMT CONDUIT RUNS EVERY 10 FEET AND ADDITIONALLY AT FITTINGS, BOXES, PANELS, ETC. VERIFY SUPPORT IS ADEQUATE AND CONFORMS TO CODE REQUIREMENTS, PREVENTING SAGGING AND ENSURING THAT THE CONDUIT REMAINS SECURE OVER TIME, ESPECIALLY IN HIGH–TRAFFIC AREAS.

BB. USE COMPRESSION–THREADED FITTINGS WITH INSULATED THROATS FOR EMT CONDUIT, RESERVING DOUBLE SET SCREW FITTINGS FOR SIZES 2–1/2" AND LARGER. ENSURE FITTINGS ARE COMPATIBLE WITH THE INSTALLATION ENVIRONMENT, CONSIDERING TEMPERATURE VARIATIONS, MOISTURE LEVELS, AND EXPOSURE TO PREVENT LONG–TERM DEGRADATION.

CC. SAW–CUT ASPHALT OR CONCRETE AS NECESSARY FOR UNDERGROUND RACEWAY INSTALLATION, FOLLOWING ARCHITECTURAL DETAILS FOR PATCHING. COORDINATE WITH OTHER TRADES TO AVOID UNDERGROUND UTILITIES, ENSURING CLEAN, PRECISE CUTS THAT FACILITATE SMOOTH RACEWAY INSTALLATION AND STRUCTURAL INTEGRITY.

DD. PROVIDE BLANK METAL COVER PLATES FOR ALL UNUSED OUTLET BOXES, PAINTED TO MATCH ADJACENT SURFACES. CONFIRM THAT ALL UNUSED BOXES ARE FULLY COVERED TO PREVENT ACCIDENTAL CONTACT AND ALIGN AESTHETICALLY WITH THE SURROUNDING FINISHES.

EE. INSTALL PULL AND JUNCTION BOXES AS REQUIRED BY ELECTRICAL CODE OR JOB CONDITIONS. ASSESS THE LAYOUT TO PLACE BOXES AT INTERVALS THAT FACILITATE WIRE PULLING AND PREVENT EXCESSIVE STRAIN ON CONDUCTORS, REDUCING THE LIKELIHOOD OF DAMAGE DURING INSTALLATION AND MAINTENANCE.

MATERIAL SPECIFICATIONS AND STANDARDS

FF. USE COPPER FOR ALL NEW WIRING, WITH A MINIMUM SPECIFICATION OF #12 THWN. CONFIRM ALL WIRE MATERIALS AND SPECIFICATIONS MEET PROJECT REQUIREMENTS FOR DURABILITY, CONDUCTIVITY, AND CODE COMPLIANCE, ENSURING OPTIMAL PERFORMANCE AND LIFESPAN.

GG. INSTALL TAMPER–PROOF, COMMERCIAL–GRADE, 20A WHITE RECEPTACLES, USING ORANGE BODIES FOR ISOLATED GROUND DUPLEX RECEPTACLES. ENSURE ALL FACEPLATES ARE STAINLESS STEEL OR AS SPECIFIED BY THE ARCHITECT. VERIFY THAT ALL TAMPER–PROOF RECEPTACLES ARE POSITIONED IN AREAS ACCESSIBLE TO USERS, PROVIDING A SAFE AND RELIABLE ELECTRICAL CONNECTION FOR THE FACILITY.

HH. PAINT ALL EXPOSED CONDUIT TO BLEND WITH ARCHITECTURAL WALL OR CEILING FINISHES. COORDINATE WITH OTHER TRADES TO ACHIEVE A CONSISTENT APPEARANCE, ENSURING CONDUIT MATCHES OR COMPLEMENTS THE ROOM DESIGN AND DOES NOT DETRACT FROM THE AESTHETICS.

II. PROVIDE APPROPRIATE SUPPORT STRUCTURES, SUCH AS UNISTRUT CHANNELS OR ANGLE IRONS WITH THREADED ROD HANGERS, FOR SECURE EQUIPMENT INSTALLATION AS NEEDED. CONFIRM THAT SUPPORTS ARE SIZED AND RATED TO HANDLE EQUIPMENT LOADS, MINIMIZING VIBRATIONS AND ENSURING STRUCTURAL STABILITY.

JJ. INSTALL A MINIMUM 1" CONDUIT WITH A PULL STRING FROM COMMUNICATION BOXES TO ABOVE ACCESSIBLE CEILING SPACE OR THE DATA ROOM. ENSURE THAT CONDUITS ARE CORRECTLY ROUTED FOR FUTURE ACCESS, FACILITATING EFFICIENT MAINTENANCE AND MINIMIZING DISRUPTIONS DURING UPGRADES.

KK. ISOLATE DEVICES THAT MAY PRODUCE OR OPERATE WITH VIBRATION OR NOISE PER MANUFACTURER'S RECOMMENDATIONS. VERIFY THAT VIBRATION–ISOLATING MATERIALS OR MOUNTS ARE INSTALLED AS SPECIFIED TO REDUCE POTENTIAL DISTURBANCES AND MAINTAIN A QUIET, COMFORTABLE ENVIRONMENT.

SAFETY AND ACCESSIBILITY

LL. INSTALL GFCI RECEPTACLES IN ACCESSIBLE LOCATIONS, AVOIDING PLACEMENT BEHIND EQUIPMENT. AS AN ALTERNATIVE, USE GFCI CIRCUIT BREAKERS. COORDINATE GFCI RECEPTACLE LOCATIONS WITH THE EQUIPMENT INSTALLER AND ENSURE COMPLIANCE FOR KITCHEN AND BAR AREAS. PROVIDE GFCI CIRCUIT BREAKERS FOR ALL REQUIRED 220V RECEPTACLES. ENSURE GFCI PROTECTION FOR ALL RECEPTACLES IN KITCHENS, BARS, OR FOOD–SERVING AREAS TO MAINTAIN COMPLIANCE WITH NEC SAFETY CODES.

MM. INSTALL DUCT SMOKE DETECTORS FOR HVAC UNITS EXCEEDING 2,000 CFM, PROVIDING REMOTE TEST STATIONS AND NECESSARY CONNECTIONS. INTEGRATE INTO THE FIRE ALARM CONTROL PANEL IF REQUIRED, AND EQUIP MULTIPLE UNITS SERVING A COMMON AREA TOTALING MORE THAN 2,000 CFM WITH DUCT SMOKE DETECTORS TO ENHANCE SAFETY AND COMPLIANCE WITH LOCAL FIRE CODES.

NN. INSTALL ALL GFCI–RATED RECEPTACLES IN ACCESSIBLE SERVICE LOCATIONS, AVOIDING PLACEMENT BEHIND EQUIPMENT. ENSURE EQUIPMENT–SPECIFIC GFCI RECEPTACLES ARE WITHIN 12" OF THE ASSOCIATED EQUIPMENT. VERIFY THAT ALL INSTALLED RECEPTACLES ARE EASILY REACHABLE, ENHANCING ACCESSIBILITY AND REDUCING RISKS ASSOCIATED WITH IMPROPER SERVICING.

OO. BASE FINAL ELECTRIC SERVICE ON CONNECTED LOAD CALCULATIONS, ENSURING ALIGNMENT WITH THE LOCAL ELECTRIC COMPANY'S REQUIREMENTS. CONFIRM THAT ALL EQUIPMENT IS INCLUDED IN THE CALCULATION, ACCOUNTING FOR FUTURE EXPANSION TO PREVENT SERVICE CAPACITY ISSUES.

DOCUMENTATION AND LABELING

PP. MAINTAIN ACCURATE AS–BUILT DRAWINGS DOCUMENTING ANY MODIFICATIONS TO WIRING AND EQUIPMENT. UPDATE PANEL DIRECTORIES IN A TYPEWRITTEN FORMAT, LABELING PANELS WITH PLASTIC–LAMINATED NAMEPLATES. ENSURE THAT DOCUMENTATION IS CONSISTENT AND LEGIBLE FOR EASY REFERENCE, AIDING FUTURE MAINTENANCE AND TROUBLESHOOTING.

QQ. APPLY TYPICAL DETAILS AND NOTES GENERALLY TO ALL RELEVANT AREAS, EVEN IF NOT SPECIFICALLY INDICATED, ENSURING CONSTRUCTION ALIGNS WITH ESTABLISHED PROJECT PRACTICES. CONDUCT ROUTINE REVIEWS TO CONFIRM THAT TYPICAL DETAILS ARE BEING IMPLEMENTED CORRECTLY ACROSS THE PROJECT.

RR. PRIORITIZE NOTES AND DETAILS PROVIDED IN THESE DOCUMENTS OVER GENERAL NOTES AND TYPICAL DETAILS. REGULARLY VERIFY THAT PROJECT–SPECIFIC REQUIREMENTS ARE BEING ADHERED TO, ENSURING COMPLIANCE WITH SPECIALIZED PROJECT NEEDS.

SPECIAL CONDITIONS

SS. SUPPORT ALL FIXTURES FROM THE STRUCTURE ABOVE, ENSURING NO FIXTURE LOAD IS PLACED ON CEILING TILES OR PLASTER. CONFIRM THAT FIXTURE LOADS ARE DISTRIBUTED PROPERLY TO AVOID OVERLOADING THE CEILING STRUCTURE AND ENSURE LONG–TERM STABILITY.

UTILITIES

CONTACT/PLANNER: NMSU UTILITY DEPT. OR MAINTENANCE DEPT.

CONTRACTOR IS RESPONSIBLE TO OBTAIN AND VERIFY WITH ARCHITECT AND CITY FOR LATEST PLANS.

TT. PROVIDE DUCT SMOKE DETECTORS AND ASSOCIATED EQUIPMENT PER PROJECT REQUIREMENTS. TEST AND VERIFY FUNCTIONALITY ACCORDING TO LOCAL FIRE CODES, ENSURING ALL DETECTORS ARE PROPERLY CONNECTED AND OPERATIONAL.

UU. ENSURE COMPLIANCE OF ALL EQUIPMENT AND WIRING WITH APPLICABLE SAFETY AND INSTALLATION STANDARDS. CONDUCT PRE– AND POST–INSTALLATION INSPECTIONS TO CONFIRM ADHERENCE TO STANDARDS, DOCUMENTING COMPLIANCE FOR RECORD–KEEPING AND FUTURE REFERENCE.

VV. COORDINATE EXACT HEIGHT ADJUSTMENTS FOR DEVICES REQUIRING SPECIFIC POSITIONING WITH OTHER TRADES. REVIEW ARCHITECTURAL AND STRUCTURAL PLANS TO CONFIRM THAT DEVICES MEET DESIGN INTENT, ENSURING FUNCTIONAL AND AESTHETIC CONSISTENCY.

WW. PROVIDE POWER FOR SPECIAL EQUIPMENT SUCH AS FIRE ALARM CONTROL PANEL, SECURITY PANELS, CCTV, AND ACCESS CONTROL SYSTEMS. VERIFY THAT DEDICATED CIRCUITS ARE ALLOCATED TO PREVENT INTERFERENCE AND ENSURE RELIABLE OPERATION OF CRITICAL SECURITY AND LIFE SAFETY SYSTEMS.

WX. ELECTRICAL DEVICE INSTALLATION SHALL COMPLY WITH ACCESSIBILITY CODES ADOPTED FOR NEW MEXICO. SPECIFICALLY MOUNT APPLICABLE SWITCHES, RECEPTACLES, AND ENVIRONMENTAL CONTROLS SO THAT THEY ARE MOUNTED WITH THE TOP OF THE DEVICE NO HIGHER THAN FORTY-EIGHT (48 INCHES) ABOVE THE FINISH FLOOR AND THE BOTTOM OF THE DEVICE NO LOWER THAN FIFTEEN INCHES (15 INCHES) ABOVE THE FINISHED FLOOR. ELECTRICAL DEVICES ABOVE A COUNTERTOP OR OTHER OBSTRUCTION SHOULD COMPLY WITH ICC/ANSI 117.1-2003 SECTION 308.

WY. EXTERIOR LIGHTING SHALL COMPLY WITH LOCAL JURISDICTION OF EXTERIOR LIGHTING COMPLIANCE ORDINANCE AND NEW MEXICO STATE NIGHT SKY PROTECTION AS NECESSARY.

WZ. THE MEANS OF EGRESS TRAVEL SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH A LIGHT INTENSITY OF NOT LESS THAN 1 FOOT CANDLE AT THE FLOOR LEVEL.

XA. ABANDONED POWER WIRING WILL BE REMOVED BACK TO THE SOURCE. THE ACCESSIBLE PORTIONS OF ABANDONED CONDUIT/TUBING AND EQUIPMENT SHALL BE REMOVED. THE ACCESSIBLE PORTIONS OF ABANDONED CABLES (VOICE, DATA, VIDEO, ALARM, ETC.) SHALL BE REMOVED.

D C B A

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I.D.E.A.L. LAB (PHASE 1 DEMOLITION)
3617 S. LOCUST ST.
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Mark	Date	Description
ISSUE:	09/04/2026	95% CONSTRUCTION DOCUMENTS

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P. 575.528.0022

JOSE A. MORALES NEW MEXICO 22154 PROFESSIONAL ENGINEER
9/2/2026

206-143

SHEET TITLE
ELECTRICAL GENERAL NOTES

SHEET NO.
E100

KEYED NOTES ⓧ

1. EXISTING ELECTRICAL SERVICE AND FEEDER TO TRANSFORMER OR MAIN TO BE REMOVED.
2. EXISTING NMSU VAULT TO REMAIN.
3. EXISTNG NMSU PADMOUNT TRANSFORMER TO REMAIN.
4. EXISTING ELECTRICAL SERVICE TO REMAIN FOR THIS BUILDING. CONTRACTOR TO ENSURE CIRCUIT CONTINUITY FOR SERVICE FEEDER TO THIS BUILDING, FIELD VERIFY AND TRACE SOURCE.
5. EXISTING NMSU PADMOUNT TRANSFORMER TO BE REMOVED, RETURN TO NMSU. REMOVE CONCRETE PAD AND PRIMARY FEEDER TO TRANSFORMER.
6. EXISTING SERVICE FEEDER TO BE REMOVED IN ITS ENTIRETY.
7. EXISTING SERVICE FEEDER TO REMAIN.
8. EXISTING PRIMARY FEEDER TO REMAIN.
9. EXISTING PRIMARY FEEDER TO BE REMOVED IN ITS ENTIRETY.

1 E200 ELECTRICAL DEMOLITION SITE PLAN
1"=20'-0"

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SHEET TITLE
ELECTRICAL SITE PLAN

SHEET NO.
E200

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