US Army Corps of Engineers®
Tulsa District

APPENDIX A

DRAWINGS VOLUME I

B9201 PROGRAM OFFICE

TINKER AIR FORCE BASE
MIDWEST CITY, OKLAHOMA

SOLICITATION: W912BV19R0011

SUBMITTAL

NOT FOR CONSTRUCTION

PROJECT NO. WWYK190114
PROJECT NO. WWYK190115

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B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
U.S. ARMY CORPS OF ENGINEERS
TULSA DISTRICT
OKLAHOMA

US Army Corps of Engineers®

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CORRECTED FINAL BACKCHECK (100%) SUBMITTAL

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SURVEY LEGEND

EXISTING DESCRIPTION

SS_x	SANITARY SEWER
SD_x	STORM WATER SEWER
OH	OVERHEAD ELECTRIC
E	UNDERGROUND ELECTRIC
F	FUEL MAIN PIPE
G_x	GAS LINE
W_x	WATER MAIN
X	FENCE
S	SANITARY SEWER
D	STORM SEWER
C	COMMUNICATIONS MANHOLE
E	EMH - ELECTRIC MANHOLE

EXISTING DESCRIPTION

CO	SSCO CLEANOUT
	WATERLINE VALVE
	FIRE HYDRANT
	GASLINE VALVE
GVP	GAS VENT PIPE (GVP)
E	ELECTRIC OR TELEPHONE JUNCTION BOX
LP	LIGHT POLE
	CATHODIC PROTECTION TEST STATION
1269.93	SPOT ELEVATION
	CONTROL MONUMENT
CO	ROOF DRAIN DOWNSPOUT
	FLUSH MOUNT LIGHT

PROPOSED LEGEND

NEW	DESCRIPTION
X	MISCELLANEOUS STRUCTURE /TREES DEMOLITION
	ASPHALT DEMOLITION
	CONCRETE DEMOLITION
	AGGREGATE DEMOLITION
	SAWCUT (FULL DEPTH)
	FENCE DEMOLITION
	UTILITY DEMOLITION
	MISCELLANEOUS MATERIAL (DETAIL)
	CONCRETE (DETAIL)
	ASPHALT (DETAIL)
	COMPACTED EARTH (DETAIL)
	AGGREGATE (DETAIL)
	PCC SIDEWALK
	SITE ASPHALT PARKING LOT
	SEEDED/SODDED AREA
	TEMPORARY STABILIZED CONSTRUCTION ACCESS ROAD
	SCUFF AND MILL ASPHALT OVERLAY
	STABILIZED CONSTRUCTION ENTRANCE
	LOW-PROFILE BARRICADE
	CURB AND GUTTER
	BUILDINGS AND STRUCTURES
	SIGN
1275	PROPOSED MAJOR CONTOUR
1278	PROPOSED MINOR CONTOUR
-0.50%	PROPOSED SURFACE SLOPE
+1277.16	PROPOSED SPOT ELEVATION
	LIMITS OF WORK
SF	SILT FENCE
SF	STORM INLET PROTECTION
SF	DITCH CHECK
	CURB INLET PROTECTION
4" WA1	WATER LINE

NEW	DESCRIPTION
	CLEAN OUT
	VALVE VAULT
	WATER LINE VALVE
	VERTICAL CONTROL POINT (BENCH MARK)
	BORING LOCATION
	MATCH LINE
	CENTERLINE
E	DOWELED CONSTRUCTION JOINT
C	DOWELED CONTRACTION JOINT
D	DUMMY CONTRACTION JOINT
A	THICKENED ISOLATION JOINT
F	NEW CONCRETE TO NEW AC TRANSITION
	REINFORCED SLAB (R)

ABBREVIATIONS

ABBREVIATIONS	DESCRIPTION
ABC	AGGREGATE BASE COURSE
AC	ACRE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ADA	AMERICANS WITH DISABILITIES ACT
AFB	AIR FORCE BASE
AFI	AIR FORCE INSTRUCTIONS
ANG	AIR NATIONAL GUARD
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATFP	ANTI-TERRORISM/FORCE PROTECTION
B/C	BOTTOM OF CURB
BCE	BASE CIVIL ENGINEERING
BM	BENCHMARK
BOR	BUREAU OF RECLAMATION
BOW	BOTTOM OF WALL
C/COMM	COMMUNICATIONS
CB	CATCH BASIN
C-C	CENTER TO CENTER
CE	CIVIL ENGINEER
CMH	COMMUNICATIONS MANHOLE
COE	CORPS OF ENGINEERS
CONC	CONCRETE
CI	CURB INLET OR CAST IRON PIPE
CGI	CURB/GUTTER INLET
CO	CLEAN OUT
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CL	CENTERLINE
DEPT	DEPARTMENT
DI	DUCTILE IRON OR DROP INLET
DIA	DIAMETER
DS	DOWNSPOUT
E	ELECTRICAL
ECP	ENTRY CONTROL POINT
ELEC	ELECTRICAL
EL/ELEV	ELEVATION
EMH	ELECTRICAL MANHOLE
FF	FINISH FLOOR
FL	FLOW LINE
FM	FORCE MAIN
FOD	FOREIGN OBJECT DEBRIS
FT	FOOT
FW	FIREWATER
FY	FISCAL YEAR
G	GAS
GI	GRATED INLET
GOVT (GOV)	GOVERNMENT
GPM	GALLONS PER MINUTE
HDPE	HIGH DENSITY POLYETHYLENE
HQ	HEADQUARTERS
HW	HEADWALL
INV	INVERT
LEV	LOW-EMITTING VEHICLE
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NIC	NOT IN CONTRACT
NO	NUMBER
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OC	ON CENTER
OCWUT	OKLAHOMA CITY WATER UTILITIES TRUST
OD	OUTSIDE DIAMETER
ODEQ	OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
ODOT	OKLAHOMA DEPARTMENT OF TRANSPORTATION
OG&E	OKLAHOMA GAS AND ELECTRIC
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
PCC	PORTLAND CEMENT CONCRETE
PE	POLYETHYLENE
PI	POINT OF INTERSECTION
POV	PRIVATELY OWNED VEHICLE
PVC	POLYVINYL CHLORIDE
PWU	PUBLIC WORKS & UTILITIES
SCH	SCHEDULE
SAN	SANITARY SEWER
SD	STORM DRAIN
SDI	STORM DRAIN INLET
SDMH	STORM DRAIN MANHOLE
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
ST, SD	STORM SEWER, STORM DRAIN, STREET
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
TAC	TINKER AEROSPACE COMPLEX
TAFB	TINKER AIR FORCE BASE
T/C	TOP OF CURB
TELE	TELEPHONE
TEMP	TEMPORARY
TOW	TOP OF WALL
TYP	TYPICAL
UD	UNDERDRAIN

ABBREVIATIONS	DESCRIPTION
UFC	UNIFIED FACILITIES CRITERIA
USAF	UNITED STATES AIR FORCE
UST	UNDERGROUND STORAGE TANK
W, WA	WATER
WM	WATER METER
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
XFMER	ELECTRICAL TRANSFORMER

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

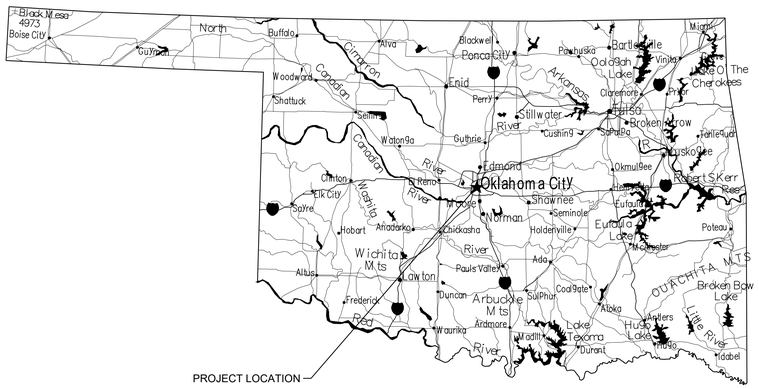
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B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

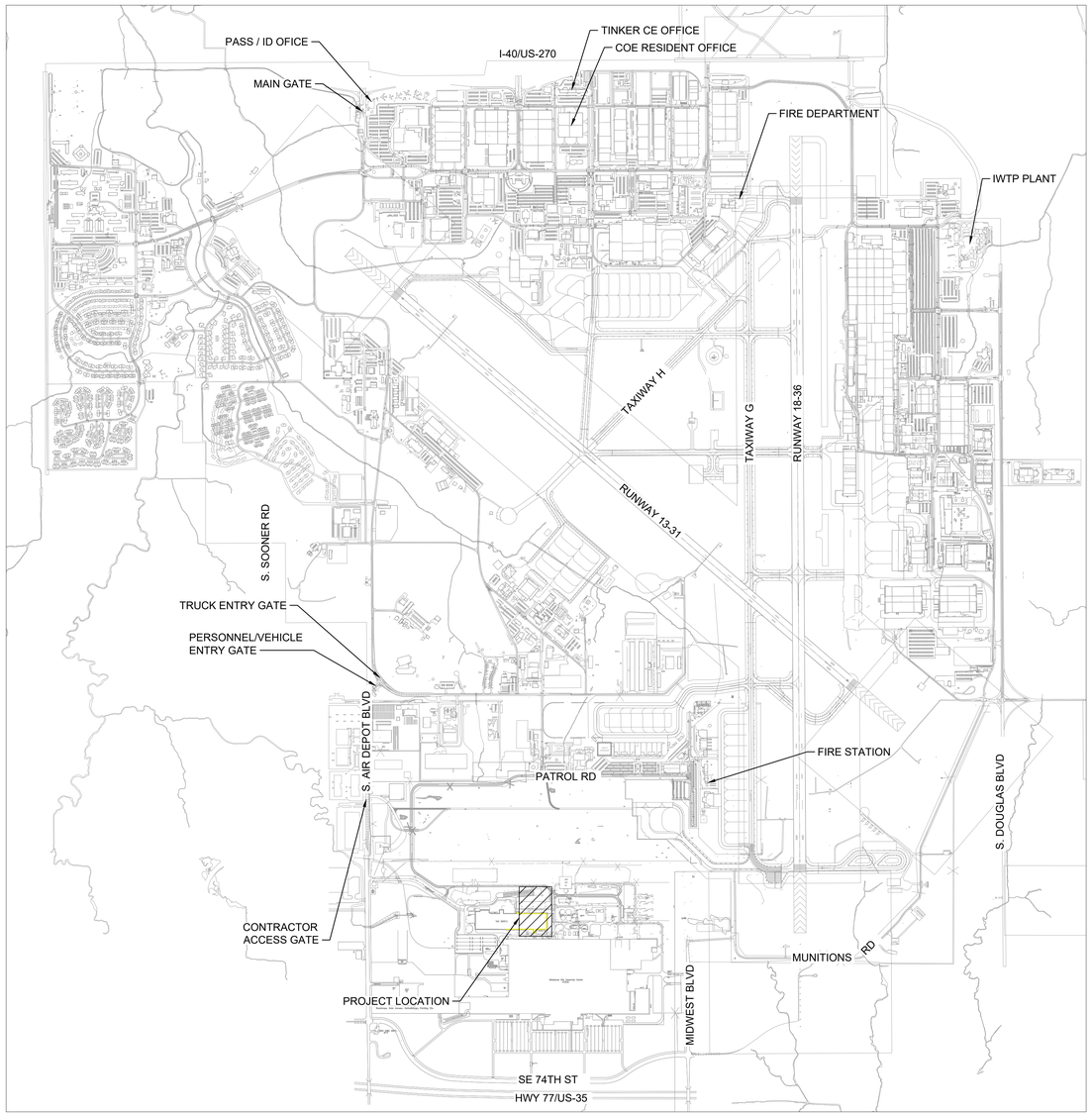
GENERAL LEGEND AND ABBREVIATIONS

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-GC001.DWG
SHEET IDENTIFICATION: GC001
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
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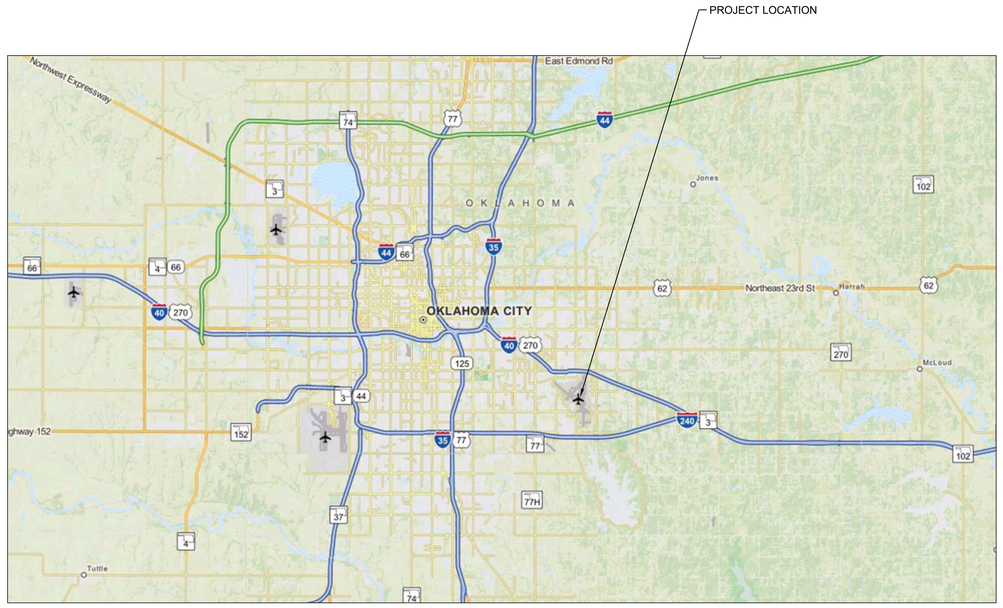
C1 LOCATION MAP
SCALE: NTS



B4 VICINITY MAP
SCALE: 1" = 1000'

0 1000' 2000'

N



A1 LOCATION MAP
SCALE: NTS

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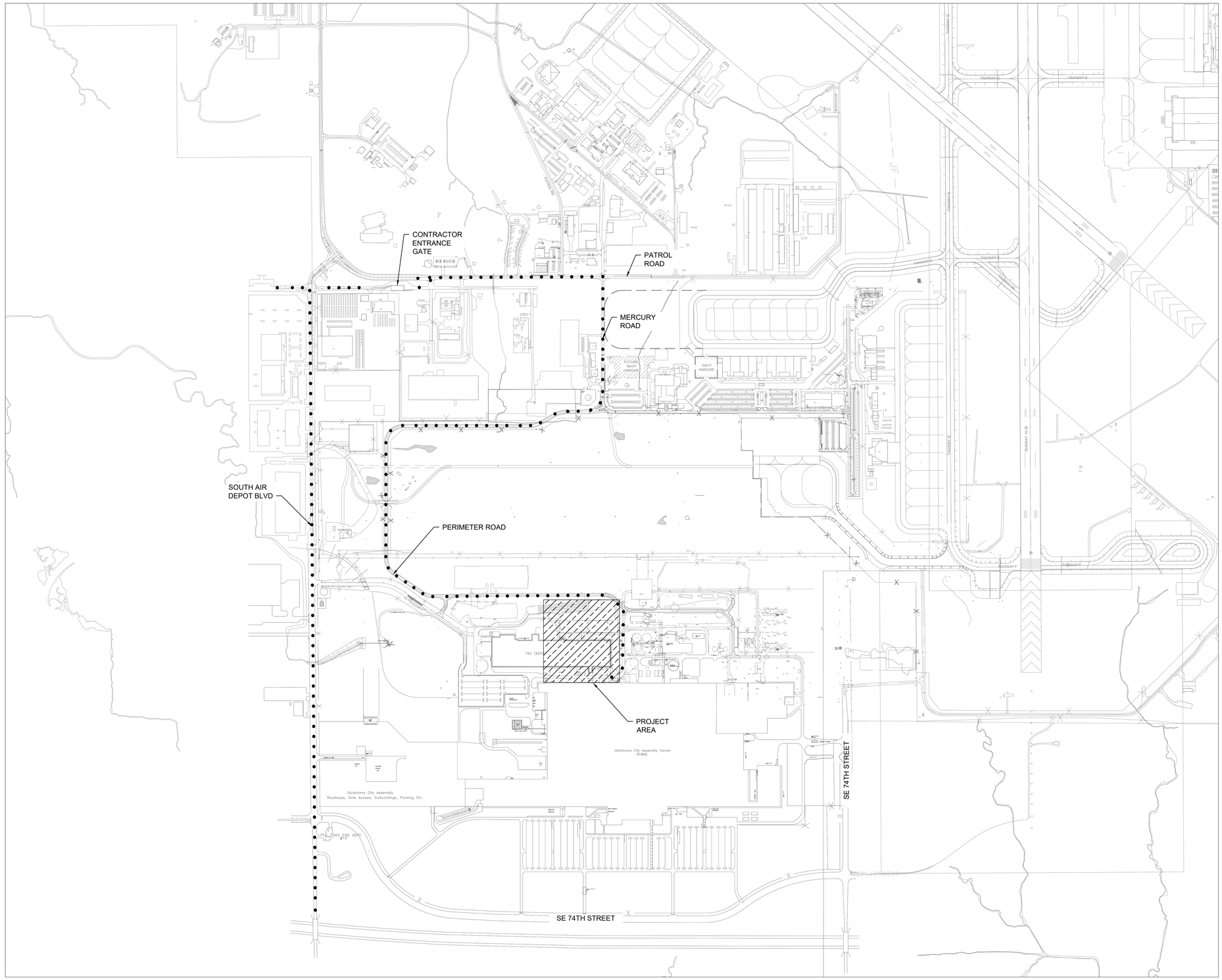
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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

LOCATION AND VICINITY MAP

PLOT SCALE: AS SHOWN
SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-GC002.DWG
SHEET IDENTIFICATION: GC002
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
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GENERAL ACCESS NOTES:

1. SEE SHEET GC005 FOR ACCESS AND SAFETY NOTES.
2. ALL WORK INSIDE TAFB SECURITY FENCE/PERIMETER REQUIRES BADGED PERSONNEL AND ALL EQUIPMENT TO BE PROCESSED THROUGH TAFB SECURITY GATES/PROCEDURES.
3. CONTRACTOR TO RESTORE DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS UPON COMPLETION OF SITE WORK. ALL AREAS OF SITE DISTURBANCE TO BE SEEDED UNLESS INDICATED FOR SOME OTHER TYPE OF SURFACING. CONTRACTOR SHALL CONSTRUCT TEMPORARY FENCES AROUND THE SITE AS NEEDED TO MAINTAIN THE SAFETY AND SECURITY OF THEIR EQUIPMENT, WORK, AND MATERIALS.

LEGEND:

PROJECT AREA

HAUL ROUTE

A5 SITE ACCESS & HAUL ROUTE
SCALE: 1" = 400'

0 400' 800'

N

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
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SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

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CHECKED BY: K. ROBERTS
REVIEWED BY: REVIEWER
SUBMITTED BY: SUBMITTER

US Army Corps of Engineers

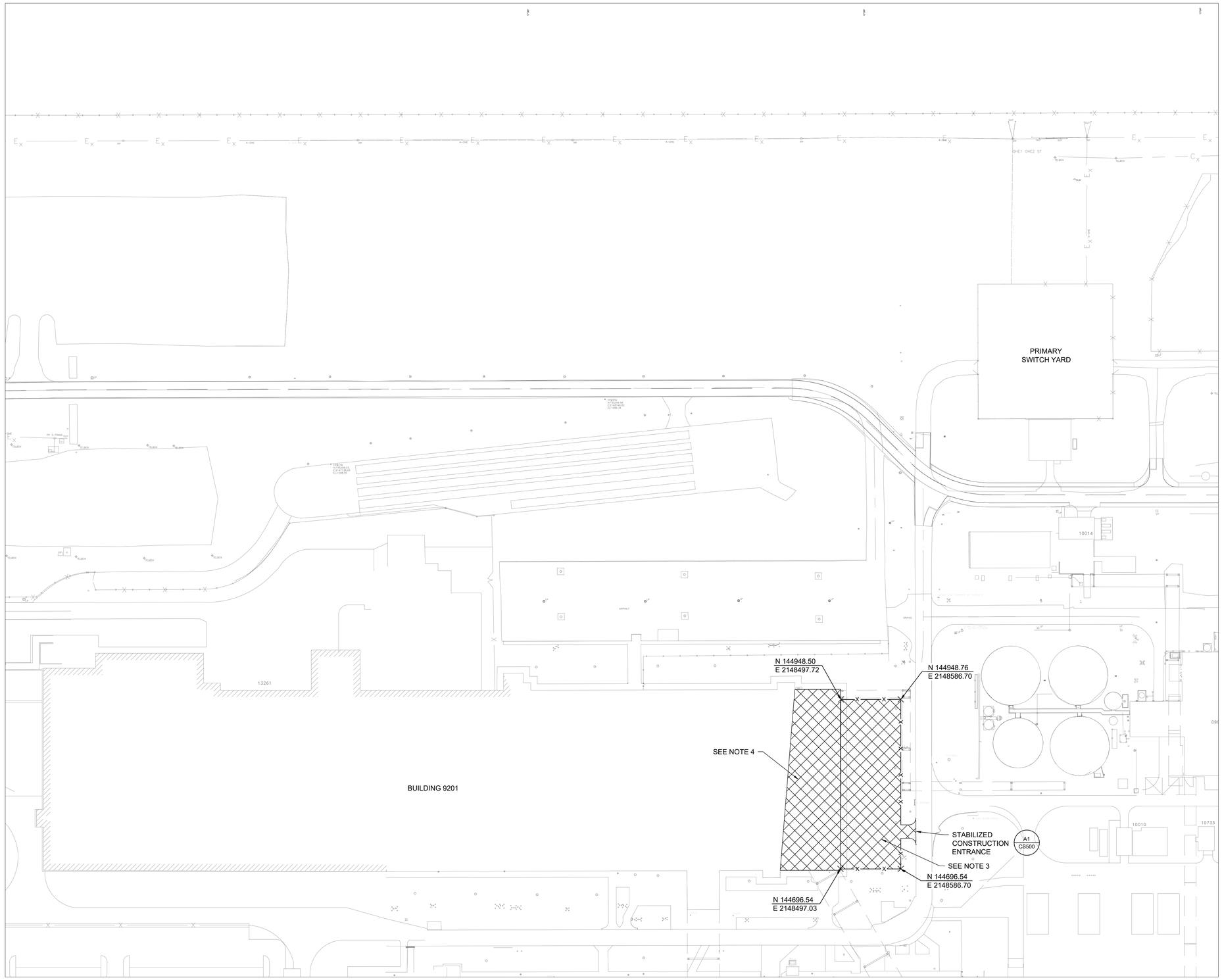
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OKLAHOMA CITY, OKLAHOMA

SITE ACCESS & HAUL ROUTE

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-GC003.DWG
SHEET IDENTIFICATION: GC003
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
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GENERAL ACCESS NOTES:

1. SEE SHEET GC006 FOR ACCESS AND SAFETY NOTES.
2. ALL WORK INSIDE TAFB SECURITY FENCE/PERIMETER REQUIRES BADGED PERSONNEL AND ALL EQUIPMENT TO BE PROCESSED THRU TAFB SECURITY GATES/PROCEDURES.
3. CONTRACTOR TO RESTORE DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS UPON COMPLETION OF SITE WORK. ALL AREAS OF SITE DISTURBANCE TO BE SEEDED UNLESS INDICATED FOR SOME OTHER TYPE OF SURFACING. CONTRACTOR SHALL CONSTRUCT TEMPORARY FENCES AROUND THE SITE AS NEEDED TO MAINTAIN THE SAFETY AND SECURITY OF THEIR EQUIPMENT, WORK, AND MATERIALS.
4. COORDINATE LAYDOWN AREA INSIDE OF BUILDING 9201 WITH THE COR AND TAFB PRIOR TO CONSTRUCTION.

LEGEND:

CONTRACTOR STAGING/ LAYDOWN AREA

TEMPORARY CONSTRUCTION FENCE — A2 / CS500

A5 STAGING AND LAYDOWN AREA
SCALE:

N

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NOT FOR CONSTRUCTION

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DESIGNED BY: A. DORMAN
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CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

STAGING AND LAYDOWN AREA

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-GC004.DWG
SHEET IDENTIFICATION: GC004
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
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GENERAL NOTES:

1. TINKER AFB BASE CIVIL ENGINEERING FORM AF-103 DIG PERMIT SHALL BE OBTAINED FROM THE 72ND AIR BASE WING CE OFFICE FOR APPROVAL SIGNATURES. THIS MAY TAKE APPROXIMATELY 3 WEEKS OR MORE TO COMPLETE. UPON COMPLETION THE CONTRACTOR SHALL CALL OKIE ONE-CALL FOR UTILITY LOCATE SERVICES AT 1-800-522-6543.

2. CONTRACTOR IS REQUIRED TO FILE FAA FORM 7460-1 IN REFERENCE TO THE CONTRACTOR'S SITE CONSTRUCTION EQUIPMENT. MAXIMUM EQUIPMENT HEIGHT IS 150-FEET. CONTRACTOR SHALL COORDINATE WITH TINKER BASE CE OFFICE FOR ANY TEMPORARY AIRFIELD WAIVERS. REQUEST LOCAL AIRFIELD CONSTRUCTION WAIVERS FROM 72 ABW/CENP COMMUNITY PLANNING (72ABW.CEAO.COMMUNITY@US.AF.MIL) AT LEAST 45-60 DAYS PRIOR TO CONSTRUCTION ACTIVITY START DATE. LOCAL AIRFIELD CONSTRUCTION WAIVERS WILL BE APPROVED AFTER THE CONTRACTOR HAS RECEIVED FAA APPROVAL/DETERMINATION.

3. THE STABILIZED CONSTRUCTION ACCESS ROAD ENTRANCE LOCATION SHALL BE INSTALLED, COORDINATED AND APPROVED BY THE CONTRACTING OFFICER.

4. CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT THE CONTRACTING OFFICER IF A UTILITY LINE IS DISTURBED.

5. CONTRACTOR SHALL KEEP ALL ROADS AND STREETS CLEAN OF CONSTRUCTION DEBRIS, MUD, ETC. AT ALL TIMES. CONTRACTOR SHALL PROVIDE EQUIPMENT AND PERSONNEL TO CLEAN ANY STREETS AS REQUESTED BY THE CONTRACTING OFFICER. CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS TO STREETS, PARKING AREAS, AND BASE OR GOVERNMENT PROPERTY, DUE TO DAMAGE BY THEIR CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE PHOTOGRAPHS AND/OR VIDEO RECORDING OF THE EXISTING STATE FOR THE PROJECT LIMITS. ACCESS POINTS, HAUL ROUTES, LAYDOWN AREA AND ANY OTHER AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CONTRACTING OFFICER. CONTRACTOR SHALL COORDINATE WITH THE CONTRACTING OFFICER FOR A PRECONSTRUCTION VIDEO DETAILING THE EXISTING CONDITION OF ACCESS POINTS, HAUL ROUTES, AND LAYDOWN AREAS TO BE PERFORMED.

6. ALL WORK SHALL BE SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF STATE, LOCAL, AND GOVERNMENT REGULATORY AGENCIES AND THE CONTRACTING OFFICER.

7. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, STATE, LOCAL, AND GOVERNMENT CODES, ORDINANCES, AND REGULATIONS. IN CASE OF CONTRADICTION OR DISCREPANCY BETWEEN REQUIREMENTS, CONTRACTOR SHALL INCORPORATE WHICHEVER IS MOST STRINGENT. WHERE A QUESTION REMAINS ON WHICH REQUIREMENT IS MOST STRINGENT, CONTRACTOR SHALL SUBMIT ISSUE TO THE CONTRACTING OFFICER IN WRITING. THE DECISION OF THE CONTRACTING OFFICER SHALL BE CONSIDERED FINAL.

8. COORDINATE THE DISCONNECTION OF UTILITIES THROUGH THE CONTRACTING OFFICER. DEMOLITION SHALL NOT BEGIN UNTIL WRITTEN BASE APPROVAL IS RECEIVED. ALL EXISTING UTILITIES ARE TO BE TERMINATED AT THEIR POINT OF CONNECTION TO THE MAINS. WHERE CONNECTIONS OF NEW UTILITIES TO EXISTING UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THE LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR THE NEW LINES.

9. THE CONTRACTOR SHALL EXPOSE, VERIFY AND BACKFILL ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES AT UTILITY CROSSINGS PRIOR TO EXCAVATION OF PIPELINE TRENCH. UTILITY CROSSINGS AT A DEPTH GREATER THAN 12-INCHES BELOW TRENCH BOTTOM DO NOT NEED TO BE EXPOSED. UTILITY ALIGNMENT AND GRADE MAY BE CHANGED IF THERE ARE CONFLICTS WITH ANY EXISTING UNDERGROUND UTILITIES AND STRUCTURES, WHETHER SHOWN ON THE PLANS OR NOT. COORDINATE WITH THE CONTRACTING OFFICER AND DESIGN ENGINEER.

10. FACILITIES IN THE UTILITY CORRIDOR SHALL BE RESTORED UPON COMPLETION OF CONSTRUCTION. SCREEN WALLS, FENCES, RETENTION WALLS, VEGETATION, AND OTHER LANDSCAPING SHALL BE REPLACED IN LIKE KIND TO THE ORIGINAL FEATURES AND TO THE APPROVAL OF THE CONTRACTING OFFICER. COORDINATE WITH CONTRACTING OFFICER AND DESIGN ENGINEER.

11. EROSION CONTROL DEVICES SHALL BE USED FOR THE STAGING AREA AND ANY MATERIAL STOCK PILES WHEN NECESSARY TO CONTROL EROSION AND STORM WATER RUNOFF, IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

RECORD DRAWING NOTES:

1. CONTRACTOR SHALL MAINTAIN UPDATED RECORD DRAWINGS AT ALL TIMES THROUGH THE DURATION OF THE PROJECT. CONSTRUCTION RECORD DRAWINGS IN CADD AND GIS FORMAT, SHALL BE SUBMITTED TO THE CONTRACTING OFFICER. AS-BUILTS FOR ALL UTILITY SYSTEMS AND BUILDING STRUCTURES SHALL BE FIELD SURVEYED AND STAMPED BY A LICENSED SURVEYOR IN THE STATE OF OKLAHOMA.

2. DURING CONSTRUCTION OF THE PROJECT, CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING TRACK OF ANY CONTRACTING OFFICER APPROVED FIELD CONSTRUCTION REVISIONS TO THE DESIGN DEPICTED ON APPROVED CONSTRUCTION DRAWINGS. THESE REVISIONS SHALL BE USED TO PREPARE RECORD DRAWINGS OF COMPLETED CONSTRUCTION.

3. ALL VARIATIONS IN PROJECT CONDITIONS, LOCATIONS, AND CONFIGURATIONS, AND ANY OTHER CHANGES OR DEVIATIONS FROM THE INFORMATION PRESENTED ON THE ORIGINAL, APPROVED CONSTRUCTION DRAWINGS SHALL BE NOTED. THIS INCLUDES BURIED OR CONCEALED CONSTRUCTION AND UTILITY FEATURES THAT WERE REVEALED DURING CONSTRUCTION.

ACCESS AND SAFETY NOTES:

1. ACCESS TO THE PROJECT FOR ALL CONTRACTOR PERSONNEL, VEHICLES, AND EQUIPMENT IS ILLUSTRATED ON DRAWINGS. ACCESS ROUTES MAY BE SUBJECT TO CHANGE BASED ON OPERATIONAL REQUIREMENTS ON TINKER AFB. POTENTIAL SCHEDULE IMPACTS SHALL BE COORDINATED WITH THE CONTRACTING OFFICER.

2. THE EXISTING BASE ROAD SPEED LIMITS AND LOAD LIMITS ARE STRICTLY ENFORCED. ALL CONCRETE TRUCKS SHALL PUT DOWN EXTRA AXLES WHEN TRAVELING ON TINKER AFB PROPERTY.

3. CONTRACTOR'S STAGING AREA AND POV EMPLOYEE PARKING WILL BE LOCATED WITHIN THE STAGING AREA INDICATED ON SHEET GC004 OR AS DIRECTED BY THE CONTRACTING OFFICER.

4. EXISTING BASE ROADS USED AS HAUL ROADS SHALL BE MAINTAINED SUCH THAT UNOBSTRUCTED ACCESS WILL BE PROVIDED AT ALL TIMES FROM THE ROAD TO THE STAGING AREA AND FROM THE STAGING AREA TO THE WORK SITE AND FACILITATE GOVERNMENT ACCESS TO THE BASE AT ALL TIMES. THE HAUL ROAD LOCATIONS SHALL BE AS INDICATED IN SHEET GC003 AND APPROVED BY THE CONTRACTING OFFICER.

5. CONTRACTOR SHALL COORDINATE ACTIVITIES THROUGHOUT THE PROJECT IN A MANNER THAT ALLOWS EMERGENCY ACCESS TO ALL EXISTING ROADWAYS AT ALL TIMES WITHOUT DELAYS TO EMERGENCY VEHICLE'S RESPONSE TIME.

6. CONTRACTOR SHALL MAINTAIN THE ACCESS ROUTE TO BE FREE FROM DEBRIS CAUSED FROM CONSTRUCTION ACTIVITIES ON A DAILY BASIS.

7. STAGING AREA AND ANY OTHER AREA DISTURBED BY CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION OF EXISTING SITE. CONTRACTOR SHALL PROVIDE PHOTOGRAPHS AND VIDEO RECORDING OF THE EXISTING SITE CONDITIONS WITHIN THE PROJECT LIMITS.

8. ALL AREAS DISTURBED BY ANY CONSTRUCTION ACTIVITIES INCLUDING BORROW AREAS, STOCKPILE AREAS, MATERIAL LAYDOWN , EQUIPMENT PARKING, CONTRACTOR PARKING, EARTHWORK ACTIVITIES, UTILITY TRENCHING, OVERHEAD UTILITY WORK, ETC SHALL BE RESTORED TO BETTER THAN EXISTING CONDITIONS. ALL AREAS NOT DESIGNATED FOR PAVEMENT OR GRAVEL SURFACING SHALL BE COVERED WITH A MINIMUM 4-INCHES OF TOPSOIL, SEEDED, AND IRRIGATED/MAINTAINED FOR A MINIMUM OF 12 MONTHS OR UNTIL 95% COVERAGE OF GROUND COVER PER THE SPECIFICATIONS.

9. ALL CONTRACTOR VEHICLES AND PERSONNEL MAY BE SEARCHED BY TINKER AFB SECURITY POLICE WHEN ENTERING THE BASE AND MAY EXPERIENCE DELAYS. ALL PERSONNEL ENTERING TINKER AFB MUST HAVE A VALID PHOTO ID PER BASE SECURITY REQUIREMENTS. ALL VEHICLES ENTERING THE BASE MUST HAVE CURRENT/VALID REGISTRATION, CURRENT/VALID INSURANCE, AND CURRENT/VALID DRIVER'S LICENSE FOR THE OPERATOR. ALL CONTRACTOR VEHICLES AND PERSONNEL SHALL BE RESPONSIBLE FOR COORDINATING WITH THE BASE SECURITY OFFICER IN OBTAINING PROPER SECURITY CLEARANCE AND BADGING PRIOR TO ENTERING SECURE AREAS.

10. MISCELLANEOUS CONTRACTOR ACCESS PROCEDURES: PERIODIC AIR FORCE EXERCISES MAY OR MAY NOT IMPACT DAILY ENTRY PROCEDURES TO WORK AREAS ON TINKER AFB. IN ADDITION, ALL CONTRACTOR PERSONNEL MAY BE REQUIRED TO LEAVE AN AREA AND REACCOMPLISH ENTRY PROCEDURES. IN THE EVENT OF AN EMERGENCY THAT REQUIRES EVACUATION FROM THE AREA, CONTRACTOR SHALL COMPLY WITH THE INSTRUCTIONS FROM SECURITY FORCES.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY WATER AND TOILET FACILITIES FOR HIS WORKERS WITHIN THE CONSTRUCTION ZONE. CONTRACTOR WORKERS SHALL NOT USE GOVERNMENT FACILITIES UNLESS SPECIFICALLY INDICATED OTHERWISE. LOCATIONS OF FACILITIES SHALL BE COORDINATED WITH CONTRACTING OFFICER.

12. WHEN NOT ENGAGED IN CONSTRUCTION ACTIVITIES, THE CONTRACTOR'S CONSTRUCTION EQUIPMENT AND VEHICLES SHALL BE PARKED WITHIN THE WORK AREA/STAGING AREA.

13. CONTRACTOR SHALL COORDINATE WITH CONTRACTING OFFICER'S REPRESENTATIVE CONCERNING ANY GOVERNMENT OWNED EQUIPMENT REQUIRING RELOCATION TO COMPLETE PROJECT.

14. IF ANY EMERGENCY ROUTES REQUIRE CLOSURE DUE TO CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER, POLICE, LOCAL FIRE AUTHORITY, AND ALL OTHER EMERGENCY SERVICES OF THE CLOSURE.

COORDINATION AND COMMUNICATION:

1. CONTRACTOR SHALL APPOINT A CONSTRUCTION SUPERINTENDENT, SUBJECT TO THE APPROVAL OF THE CONTRACTING OFFICER, WHO SHALL BE PRESENT ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE JOB IS IN PROGRESS. THE SUPERINTENDENT SHALL BE DESIGNATED THE RESPONSIBLE CONTRACTOR'S REPRESENTATIVE WHO SHALL BE AVAILABLE ON A 24-HOUR BASIS. WHEN THE CONTRACTOR'S REPRESENTATIVE IS NOT AVAILABLE ON THE CONSTRUCTION SITE, AN ALTERNATE REPRESENTATIVE SHALL BE PROVIDED. CONTRACTOR SHALL PROVIDE NAMES AND CONTACT INFORMATION OF REPRESENTATIVES TO THE CONTRACTING OFFICER PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONSTANT COORDINATION BETWEEN ANY SUBCONTRACTORS AND THE CONTRACTING OFFICER. ALL CONSTRUCTION ACTIVITIES PLANNED BY THE CONTRACTOR SHALL BE REVIEWED AND APPROVED BY THE CONTRACTING OFFICER.

TRAFFIC CONTROL:

1. ALL CONSTRUCTION EQUIPMENT AND VEHICLES SHALL BE MARKED WITH COMPANY DESIGNS, INSIGNIAS, OR OTHER MARKINGS, WHICH ARE CLEARLY VISIBLE. CONTRACTOR SHALL PROVIDE EACH VEHICLE WORKING INSIDE THE AIRFIELD SECURITY FENCE WITH A FLAG ATTACHED TO THE VEHICLE WHICH SHOULD BE AT LEAST 3-FOOT SQUARE HAVING INTERNATIONAL ORANGE AND WHITE CHECKERED PATTERN SO THAT THE FLAG IS EASILY VISIBLE.

2. CONSTRUCTION EQUIPMENT SHALL HAVE AUTOMATIC SIGNALING DEVICES TO SOUND AN ALARM WHEN MOVING IN REVERSE.

3. ONLY RUBBER-TIRE VEHICLES WILL BE ALLOWED ON EXISTING PAVEMENT-TO-REMAIN.

4. STOCKPILED MATERIAL SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM WIND AND WEATHER.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING AND SUBMITTING OUTAGE REQUEST WITH TINKER BASE CE OFFICE FOR ANY WORK BLOCKING TEN OR MORE EXISTING PARKING SPACES.

TEMPORARY CONSTRUCTION CRANE HEIGHT:

1. TEMPORARY OBSTRUCTIONS, SUCH AS CRANES, MUST BE MARKED AND LIGHTED IN ACCORDANCE WITH FAA AC 70/7460-1. ALL HAZARDOUS AREAS (SUCH AS EXCAVATIONS OR STOCKPILED MATERIALS) ON THE AIRFIELD MUST BE DELINEATED WITH LIGHTED BARRICADES ON ALL EXPOSED (VISIBLE OR ACCESSIBLE) SIDES. CONTRACTOR SHALL PROVIDE ALL NECESSARY INFORMATION TO THE BASE CE FOR CONSTRUCTION CRANES, EQUIPMENT, AND RELATED EQUIPMENT, AND RELATED ACTIVITIES. ALL FORMS SHALL BE APPROVED PRIOR TO USING OR BRINGING EQUIPMENT ON SITE. CONTRACTOR TO SUBMIT 7460-1 FORMS TO FAA FOR ALL TEMPORARY CONSTRUCTION.

2. THE MAXIMUM ALLOWABLE HEIGHT OF CONSTRUCTION EQUIPMENT OPERATING IN AN AIRCRAFT OPERATIONS AREA IS GOVERNED BY FAA AC 150/5370-2F AND AC 150/5300-13A (CURRENT EDITIONS). TEMPORARY OBSTRUCTIONS, SUCH AS CRANES AND EQUIPMENT LESS THAN 200'-0" IN HEIGHT REQUIRE ADDITIONAL LOCAL APPROVAL AS WELL AS FAA 7460-1 APPROVAL. COORDINATE WITH TINKER BASE CE OFFICE FOR LOCAL OBSTRUCTION APPROVAL. WHEN EQUIPMENT IS EXPECTED TO PENETRATE THE AIRFIELD APPROACH SURFACES OR WHEN CRANES WILL BE USED ON-SITE, CONTRACTOR SHALL PROVIDE A MINIMUM NOTICE OF 45 DAYS TO THE CONTRACTING OFFICER AND BASE AIRFIELD OPERATIONS PRIOR TO THE START OF CONSTRUCTION TO COORDINATE THE SUBMITTAL OF FAA FORM 7460-1 TO THE FAA REGIONAL OFFICE. PERMISSION TO USE CRANES SHALL BE ISSUED BY BASE AIRFIELD OPERATIONS AND THE CONTRACTING OFFICER AFTER APPROVAL BY THE FAA.

3. OBSTRUCTION LIGHT FIXTURES SHALL BE AVIATION RED INCANDESCENT STEADY BURNING FAA AC 150/5345-43, TYPE L-810. AIR FORCE POLICY DOES NOT ALLOW USE OF LED FIXTURES FOR OBSTRUCTION LIGHTING.

4. WHEN NOT IN OPERATION, ALL EQUIPMENT AND CRANES SHALL HAVE BOOMS OR ARMS LOWERED TO THEIR LOWEST ELEVATION.

5. CONTRACTOR SHALL NOT STOCKPILE CONSTRUCTION MATERIALS, SPOILS, OR DEBRIS IN ANY AREA WHERE SUCH STOCKPILES WOULD PENETRATE AVIATION SURFACES. A 360 DEGREE RED OBSTRUCTION LIGHT SHALL BE PLACED AT THE HIGHEST POINT OF THE STOCKPILE. STOCKPILING OF MATERIAL WITHIN THE AIRFIELD SAFETY AREAS IS PROHIBITED.

EXCAVATION AND TRENCHES:

1. CONTRACTOR SHALL COMPLY WITH THE MOST CURRENT EDITION OF OSHA REGULATIONS, THE STATE OF OKLAHOMA LAWS CONCERNING EXCAVATION, AND USACE EM 385-1-1 SAFETY AND HEALTH REQUIREMENT MANUAL

2. CONTRACTOR SHALL PROVIDE A MINIMUM NOTICE OF 72 HOURS, AFTER OBTAINING A SIGNED DIG PERMIT, TO THE CONTRACTING OFFICER AND ASSOCIATED UTILITY COMPANIES AND AGENCIES BEFORE PROCEEDING WITH ANY EXCAVATIONS.

3. ONLY OPEN THOSE TRENCHES FOR WHICH MATERIAL IS ON-HAND AND READY FOR PLACING THEREIN. AS SOON AS POSSIBLE AFTER THE MATERIAL HAS BEEN PLACED AND WORK APPROVED, BACKFILL AND COMPACT TRENCHES AS SPECIFIED.

4. DEWATERING OF UTILITY TRENCHES AND OTHER EXCAVATIONS MAY BE REQUIRED.

5. STRUCTURES AND UTILITIES TO BE REMOVED SHALL BE BACKFILLED IN ACCORDANCE WITH SPECIFICATION SECTION 31 00 00.

CONTRACTOR PERMITTING REQUIREMENTS:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A STORM WATER PERMIT FOR LAND DISTURBANCE OF MORE THAN 1 ACRE PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE CONTRACTING OFFICER TO COMPLETE AND SUBMIT THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO TINKER AFB CE DEPARTMENT AND THE STATE OF OKLAHOMA FOR APPROVAL. SEE SPECIFICATION 01 57 20.00 02 FOR ADDITIONAL INFORMATION.

2. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATORY REQUIREMENTS. THE PERMITTING PROCESS MAY INCLUDE THE SUBMISSION OF THE FOLLOWING TYPES OF PERMITS:
   A. EROSION AND SEDIMENT CONTROL.
   B. STORMWATER MANAGEMENT.
   C. SOLID AND HAZARDOUS WASTE.
   D. DIG PERMIT.
   E. TRAFFIC.
   F. WELDING PERMIT FOR ANY WELDING OR CUTTING OPERATIONS CAN BE OBTAINED AT THE TINKER AFB FIRE STATION.
   G. FAA FORM 7460-1

OTHER SAFETY REQUIREMENTS:

1. CONTRACTOR SHALL MAINTAIN SAFETY PRACTICES THAT CONFORM TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, AND USACE EM 385-1-1 SAFETY AND HEALTH REQUIREMENTS MANUAL.

2. THE CONTRACTOR SHALL PERFORM ON-SITE INSPECTIONS DAILY AND PRIOR TO LEAVING THE SITE EACH DAY TO REMEDY ANY SAFETY CONCERNS IMMEDIATELY.

3. THERE SHALL BE NO PERMANENT WASTE SITES ON BASE PROPERTY. ANY TEMPORARY WASTE AREA 10 DAYS OR LESS SHALL BE APPROVED BY THE CONTRACTING OFFICER AND SHALL BE KEPT IN AN ORDERLY CONDITION. REMOVAL OF WASTE THAT IS NOT PROPERLY MAINTAINED IS SUBJECT TO THE DIRECTION OF THE CONTRACTING OFFICER.

4. CONTRACTOR SHALL COORDINATE THE RELOCATION AND SALVAGE OF ANY GOVERNMENT OWNED EQUIPMENT WITH THE CONTRACTING OFFICER.

5. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO CONTROL/PREVENT DUST CAUSED BY CONSTRUCTION ACTIVITIES TO A LIMIT ACCEPTABLE TO BASE OPERATIONS. THE CONTRACTOR SHALL CONTROL/PREVENT BLOWING DUST ON THE PROJECT SITE FROM ANY HAUL ROUTE OR WORK AREA REGARDLESS OF SOURCE.

6. GASOLINE, DIESEL FUEL, OIL, AND HAZARDOUS WASTE RESULTING FROM CONTRACTOR'S OPERATIONS OR ACTIVITIES SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH THE SPECIFICATIONS AND LOCAL REGULATORY REQUIREMENTS AND PROPERLY REMOVED FROM THE PROJECT PROPERTY. IF HAZARDOUS MATERIALS ARE ENCOUNTERED OR UNCOVERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONTRACTING OFFICER.

7. FAILURE TO COMPLY WITH BASE OPERATIONS AND THE CONTRACTING OFFICER SAFETY REQUIREMENTS SHALL RESULT IN THE SUSPENSION OF CONSTRUCTION ACTIVITIES UNTIL ALL SAFETY CONCERNS ARE ADDRESSED BY THE CONTRACTOR TO THE SATISFACTION OF THE CONTRACTING OFFICER.

8. ANY WORKERS AND EQUIPMENT NOT IN COMPLIANCE WITH SAFETY PLAN OR BASE OPERATIONS SHALL IMMEDIATELY BE REMOVED FROM THE WORK AREA AND SHALL NOT BE PERMITTED TO RETURN THROUGHOUT THE REMAINDER OF THE PROJECT.

9. ALL TEMPORARY CONSTRUCTION LIGHTING SHALL BE COORDINATED WITH TINKER AFB SECURITY FOR APPROVAL OF LOCATIONS, HEIGHT, AND DIRECTION.

SECURITY REQUIREMENTS NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND PROCEDURES OF "IAW AFFAR 5353.242-9000, CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS", IN ACCORDANCE WITH THE SITE ACCESS AS INDICATED ON GC003.

2. ALL CONTRACTOR EMPLOYEES SHALL CARRY CONTRACTOR PHOTO IDENTIFICATION AT ALL TIMES WHILE WORKING INSIDE THE TINKER AFB SECURE PERIMETER.

3. CONTRACTOR EMPLOYEES SHALL COMPLY WITH ANY INTEGRATED DEFENSE MEASURES THAT MAY BE NECESSARY DURING CONTINGENCY OPERATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE INSPECTIONS, IDENTIFICATION CHECKS, ETC.

4. CONTRACTOR AND EMPLOYEE IDENTIFICATION CREDENTIALS: DUE TO THE NATURE OF THE MILITARY MISSION AT TINKER AFB, STRINGENT SECURITY PROCEDURES ARE ESTABLISHED TO ENSURE MISSION SUCCESS. PART OF THE MISSION ASSURANCE PIECE IS TO CONDUCT IDENTITY PROOFING AND VETTING OF ALL CONTRACTORS WHO ENTER THE INSTALLATION. THE VETTING PROCESS INCLUDES AN EXTENSIVE CRIMINAL HISTORY CHECK TO DETERMINE THE INDIVIDUAL'S FITNESS FOR AUTHORIZATION TO ENTER THE INSTALLATION. THE PRIMARY CONTRACTOR WILL ENSURE ALL EMPLOYEES WORKING INSIDE THE TINKER AFB SECURITY PERIMETER POSSESS PROPER CREDENTIALS ALLOWING THEM TO WORK IN THE UNITED STATES. EXECUTIVE ORDER 12989 REQUIRES CONTRACTORS TO USE THE DEPARTMENT OF HOMELAND SECURITY'S E-VERIFY SYSTEM FOR ALL EMPLOYEES WORKING ON FEDERAL CONTRACTS. SEE PROJECT SPECIFICATIONS AND TINKER AFB SECURITY FOR FULL LISTING OF ALL REQUIREMENTS.

5. EMPLOYEES WILL BE IDENTITY-PROOFED AND VETTED EACH TIME A PASS AND/OR CREDENTIAL IS ISSUED. SECURITY FORCES PERSONNEL MAY ALSO CONDUCT RANDOM SCREENING AT ANY TIME. IF DISQUALIFYING INFORMATION IS FOUND, EMPLOYEES MAY BE DENIED ACCESS TO THE INSTALLATION AND THE CONTRACTING OFFICER OR CONTRACT ADMINISTRATOR WILL BE NOTIFIED OF THE DENIAL. DUE TO MANDATES OF USC 552A (B) (3) AS RELATED TO PRIVACY ACT 1974 AS AMENDED, THE INFORMATION CAN ONLY BE DISCUSSED WITH THE EMPLOYEE AND WILL NOT BE EXPRESSED OUTSIDE OF LAW ENFORCEMENT.

6. BASE ACCESS CREDENTIALS: THE CONTRACTOR SHALL SUBMIT ALL TINKER AFB FORMS AT LEAST 7 DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES OR WHEN WORKERS WILL BE ON SITE. IF THE EMPLOYEE WILL BE REQUIRED TO DRIVE ON THE INSTALLATION, HE/SHE MUST PRESENT A VALID DRIVER'S LICENSE, STATE VEHICLE REGISTRATION AND PROOF OF INSURANCE. FURTHER, THE VEHICLES AND EQUIPMENT MAY BE ESCORTED DURING EXERCISE OPERATIONS AND MAY BE RENDERED IMMOBILE WHEN NOT IN OPERATION BY THE REMOVAL OF IGNITION KEYS OR BY OTHER READILY REVERSIBLE MEANS. CONTRACTOR VEHICLES ARE SUBJECT TO SEARCH PRIOR TO ENTERING, WHILE TRANSITING AND/OR WHILE EXITING THE INSTALLATION.

7. IF THE CONTRACT REQUIRES WORK TO BE DONE IN CONTROLLED OR RESTRICTED AREAS ON THE INSTALLATION, ACCESS TO THOSE AREAS WILL REQUIRE COORDINATION WITH AND APPROVAL BY ORGANIZATIONS CONTROLLING THOSE AREAS. MORE DETAILED INFORMATION MAY BE REQUESTED FROM THE CONTRACTING OFFICER UPON AWARD OF THE CONTRACT.

CONTRACTOR SAFETY PLAN SUBMITTALS:

1. CONTRACTOR SHALL FURNISH A CONSTRUCTION SAFETY PLAN AND PROPOSED PROJECT SCHEDULE TO THE CONTRACTING OFFICER FOR APPROVAL. THE SAFETY PLAN SHALL IDENTIFY THE FOLLOWING ITEMS:
   A. PROPOSED ACCESS POINTS, HAUL ROUTES, AND STAGING AREA.
   B. TEMPORARY MARKING AND SIGNAGE TO BE USED.
   C. LOCATION AND TYPE OF BARRICADES OR OTHER TRAFFIC CONTROL DEVICES.
   D. METHODS BY WHICH THE CONTRACTOR SHALL COMMUNICATE WITH THE TINKER AFB AND THE CONTRACTING OFFICER.
   E. CONSTRUCTION SUPERINTENDENT
   F. SITE SAFETY MANAGER

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

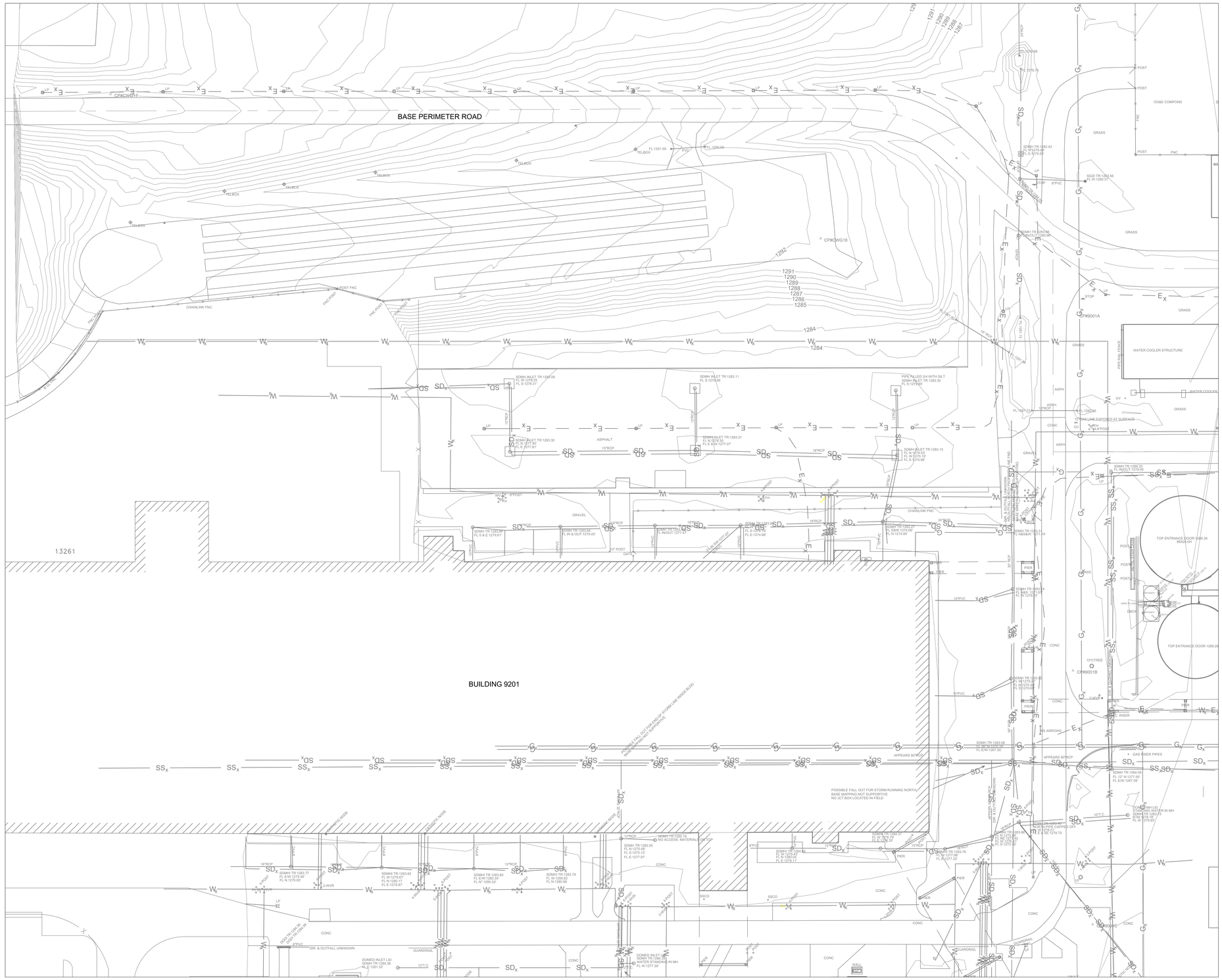
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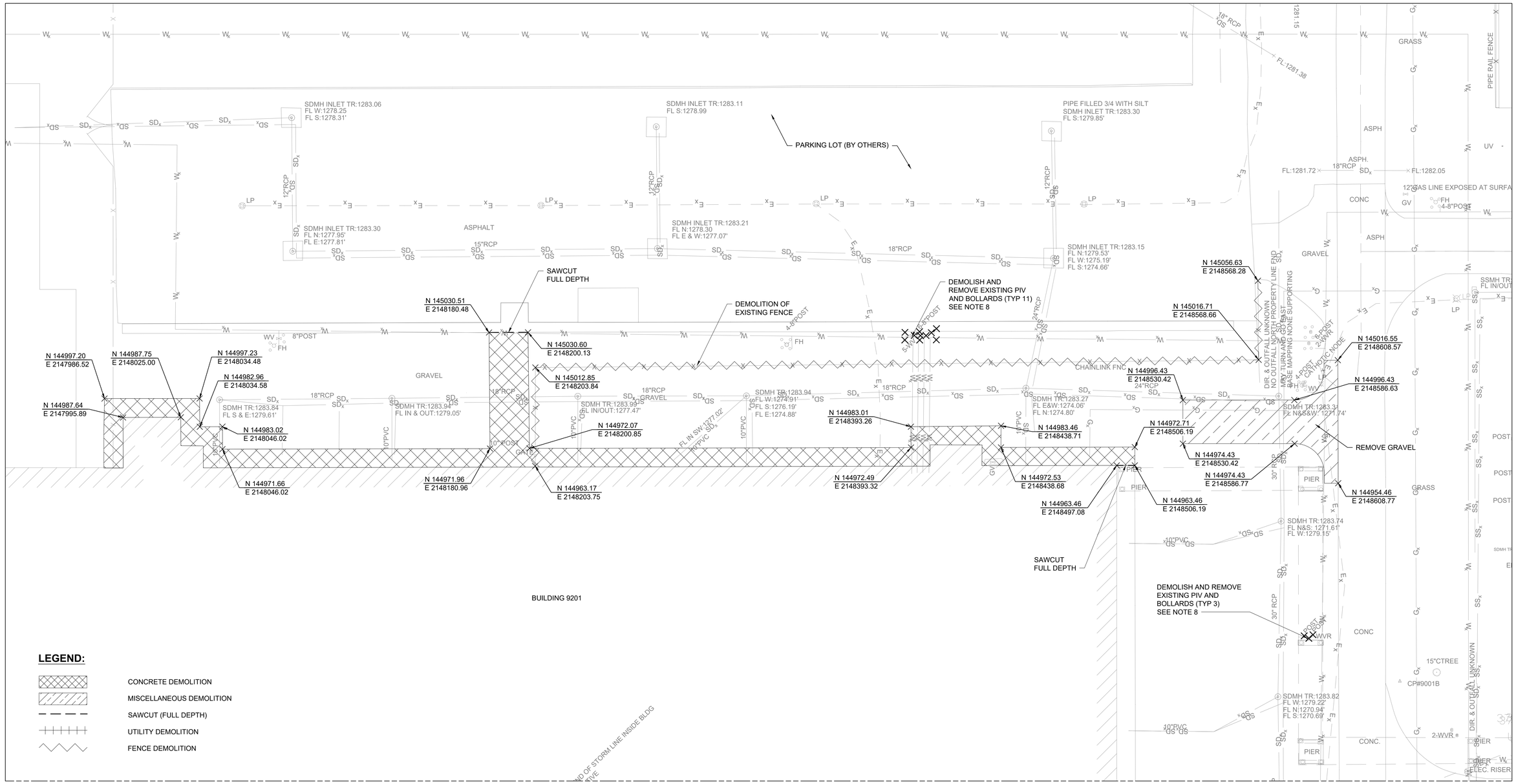
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GENERAL CONSTRUCTION NOTES

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-GC005.DWG
SHEET IDENTIFICATION: GC005
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
Sheet of

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BASE PERIMETER ROAD
BUILDING 9201
13261
CHAINLINK FNC
OGAE COMPOND
GRASS
WATER COOLER STRUCTURE
PIPE RAIL FENCE
ASPH
CONC
GRAVEL
CP#9001A
CP#9001B
CP#CWG17
CP#CWG18
TOP ENTRANCE DOOR 1289.38
SIDE ENTRANCE DOOR 1289.26
POSSIBLE FALL OUT FOR STORM RUNNING NORTH BASE MAPPING NOT SUPPORTIVE NO JCT BOX LOCATED IN FIELD
POSSIBLE FALL OUT FOR STORM RUNNING NORTH BASE MAPPING NOT SUPPORTIVE
GUARDRAIL
GATE
PIER
TELBOX
FH
LP
12"PVC
15"RCP
18"RCP
24"RCP
30" RCP
8"PVC
8"POST
2-WVR
4-WVR
12"T-C
STOP
GAS RISER PIPES
GAS RISER
NO ARROWS
APPEARS 60"RCP
APPEARS 48"RCP
PIPE FILLED 3/4 WITH SILT
PIPE FILLED 1/2 WITH SILT
DOMED INLET LID
SDMH WATER IN MH
SDMH NO ACCESS, MATERIALS ON TOP
SDMH TR 1283.11 FL S 1278.59
SDMH TR 1283.21 FL S A/W 1277.07'
SDMH TR 1283.15 FL N 1273.52 FL W 1275.19' FL S 1274.06'
SDMH TR 1283.27 FL E&W 1274.00' FL N 1274.89'
SDMH TR 1283.33 FL W/OUT 1279.00
SDMH TR 1283.43 FL N 1279.00' FL S 1279.09'
SDMH TR 1283.56 FL W 1280.31'
SDMH TR 1283.58 FL S E 1279.81'
SDMH TR 1283.59 FL IN & OUT 1279.00'
SDMH TR 1283.68 FL NE 1277.14'
SDMH TR 1283.69 FL NE 1277.50' FL E/W 1267.50'
SDMH TR 1283.74 FL E&S 1277.14' FL W 1270.72'
SDMH TR 1283.76 FL W 1277.33'
SDMH TR 1283.77 FL E/W 1279.40' FL N 1279.65'
SDMH TR 1283.79 FL W 1280.62 FL N 1280.99'
SDMH TR 1283.80 FL E/W 1280.24' FL N* 1280.50'
SDMH TR 1283.82 FL W 1279.87 FL N 1280.17 FL E 1279.87'
SDMH TR 1284.37 FL W 1279.72' FL E 1279.57'
SDMH TR 1284.38 FL E 1281.33'
SDMH TR 1284.59 FL W 1280.04' FL N 1280.24' FL E 1279.11'
SDMH TR 1284.05 FL 127 N 1277.59' FL E/W 1267.59'
SDMH TR 1285.06 FL W 1278.25 FL S 1278.31'
SDMH TR 1285.55 FL N 1278.49' FL S 1275.13' FL E 1277.97'
SDMH TR 1285.59 FL 127 N 1277.59' FL E/W 1267.59'
SDMH TR 1285.68 FL W 1280.04' FL N 1280.24'
SDMH TR 1285.69 FL W 1279.72' FL E 1279.57'
SDMH TR 1285.74 FL W 1279.72' FL E 1279.57'
SDMH TR 1285.77 FL E/W 1279.40' FL N 1279.65'
SDMH TR 1285.79 FL W 1280.62 FL N 1280.99'
SDMH TR 1285.80 FL E/W 1280.24' FL N* 1280.50'
SDMH TR 1285.82 FL W 1279.87 FL N 1280.17 FL E 1279.87'
SDMH TR 1285.83 FL W 1279.72' FL E 1279.57'
SDMH TR 1285.84 FL W 1279.72' FL E 1279.57'
SDMH TR 1285.85 FL W 1279.72' FL E 1279.57'
SDMH TR 1285.86 FL W 1279.72' FL E 1279.57'
SDMH TR



LEGEND:

- CONCRETE DEMOLITION
- MISCELLANEOUS DEMOLITION
- SAWCUT (FULL DEPTH)
- UTILITY DEMOLITION
- FENCE DEMOLITION

B1 DEMOLITION PLAN - GRID 1

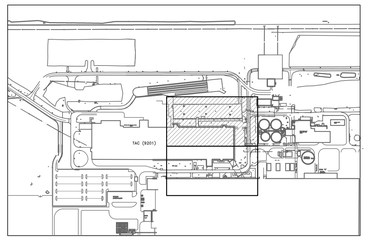
SCALE: 1" = 20'

0 20' 40'

N

GENERAL DEMOLITION NOTES:

1. ALL DEMOLITION, WASTE, DEBRIS, AND UNSATISFACTORY MATERIALS SHALL BE DISPOSED OF OFF SITE IN ACCORDANCE WITH ALL LOCAL, STATE. AND FEDERAL REGULATIONS.
2. CONTRACTOR SHALL COORDINATE LIMITS OF SAWCUT AND PAVEMENT REMOVAL WITH PROPOSED PAVEMENT LAYOUT AND JOINTING PLAN. PAVEMENT DESIGNATED FOR SAWCUT SHALL BE SAWCUT FULL DEPTH. INITIAL FULL DEPTH SAWCUT AT THE LIMITS OF REMOVAL AND A SECOND FULL DEPTH SAWCUT 18-INCHES FROM THE INITIAL SAWCUT. SAWCUT EXISTING CONCRETE AT EXISTING JOINT LINES TO THE MAXIMUM EXTENT POSSIBLE TO PREVENT PARTIAL PANEL REMOVAL UNLESS INDICATED OTHERWISE ON THE DEMOLITION DRAWINGS.
3. PAVEMENT REMOVAL SHALL INCLUDE REMOVAL OF PAVEMENT AND ANY SUBBASE MATERIAL PRESENT.
4. ANY DAMAGE TO PAVEMENT AREAS DESIGNATED TO REMAIN SHALL BE REPAIRED OR REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. REPAIRED/REPLACED PAVEMENT SECTION SHALL MATCH ADJACENT SECTION AND SHALL BE DONE IN FULL PANELS.
5. SPECIAL HANDLING AND CONSIDERATION SHALL BE REQUIRED FOR EXCAVATED SOILS THOUGHT TO CONTAIN PETROLEUM-BASED/CONTAMINATED/HAZARDOUS SUBSTANCES. CONTRACTOR SHALL MONITOR EXCAVATED SOILS. SOILS SHALL BE TREATED ON SITE OR DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS AND THE PROJECT SPECIFICATIONS. DB CONTRACTOR SHALL COORDINATE REMOVAL OF PETROLEUM BASED/CONTAMINATED/HAZARDOUS MATERIALS WITH CONTRACTING OFFICER.
6. ALL STRUCTURES, VALVES, ETC., TO REMAIN SHALL BE PROTECTED AND ADJUSTED TO FINISH GRADE.
7. REPLACE EXISTING POST INDICATOR VALVES ON FIRE WATER LEAD-INS TO THE BUILDING WITH NEW POST INDICTOR VALVES, INCLUDING UNDERGROUND SHUTOFF VALVE, INDICATOR POST AND LOCK. REPLACE EXISTING UNDERGROUND PIPING AND FITTINGS CONNECTED TO THE POST INDICATOR VALVES AS REQUIRED TO REMOVE AND REPLACE THE VALVES. REMOVE AND REPLACE EXISTING PIPE BOLLARDS AT INDICATOR POST VALVES. COORDINATE THE ISOLATION OF UNDERGROUND WATER MAINS WITH THE BASE TO MINIMIZE DISRUPTION TO OTHER BUILDINGS.
8. THE LOCATIONS OF STRUCTURES AND UNDERGROUND UTILITIES AS INDICATED HAVE BEEN OBTAINED FROM EXISTING RECORDS AND FIELD SURVEYS. UNDERGROUND STRUCTURES AND UTILITIES MAY BE PRESENT WHICH ARE NOT DOCUMENTED OR LOCATED.
9. THE CONTRACTOR SHALL FIELD CHECK ALL EXISTING CONDITIONS AND BE THOROUGHLY FAMILIAR WITH THE SITE BEFORE ANY WORK COMMENCES. ANY DISCREPANCIES IN THE DRAWINGS SHALL BE IMMEDIATELY REPORTED TO THE COR BEFORE ANY FURTHER WORK COMMENCES.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD-VERIFY EXISTING STRUCTURES, UTILITIES, AND SURVEY INFORMATION, AND TO TAKE NECESSARY PRECAUTIONS DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL VERIFY EXISTENCE AND MARK LOCATIONS OF ALL UTILITIES, INCLUDING SERVICE WORK. CONTRACTOR SHALL CONTACT THE COR AND ALL ASSOCIATED UTILITY COMPANIES AND AGENCIES TO IDENTIFY THE LOCATIONS ,SIZES, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ITEMS NOT TO BE DAMAGED DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED OR DISTURBED ITEMS TO THE SATISFACTION OF THE COR.
12. SITE AND UTILITY WORK SHALL BE OCCURRING IN AN AREA POTENTIALLY CONTAMINATED CONTRACTOR SHALL NOTIFY COR IF ANY CONTAMINATED SOILS ARE ENCOUNTERED. ANY SOILS SHALL BE DISPOSED OFF SITE IN A LOCATION PER LOCAL, STATE AND FEDERAL LAWS. ANY CONTAMINATED SUBSURFACE WATER ENCOUNTERED IN THIS CONSTRUCTION AREA SHALL BE COLLECTED AND DISPOSED OFF SITE PER LOCAL, STATE, AND FEDERAL LAWS.
13. SPECIAL HANDLING AND CONSIDERATION SHALL REQUIRED FOR EXCAVATED SOILS THOUGHT TO CONTAIN CONTAMINATED SUBSTANCES. CONTRACTOR SHALL PERIODICALLY MONITOR EXCAVATED SOILS. SOILS SHALL BE TREATED ON SITE OR DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS AND THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL COORDINATE REMOVAL OF CONTAMINATED MATERIALS WITH THE COR.



KEY PLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

US Army Corps of Engineers

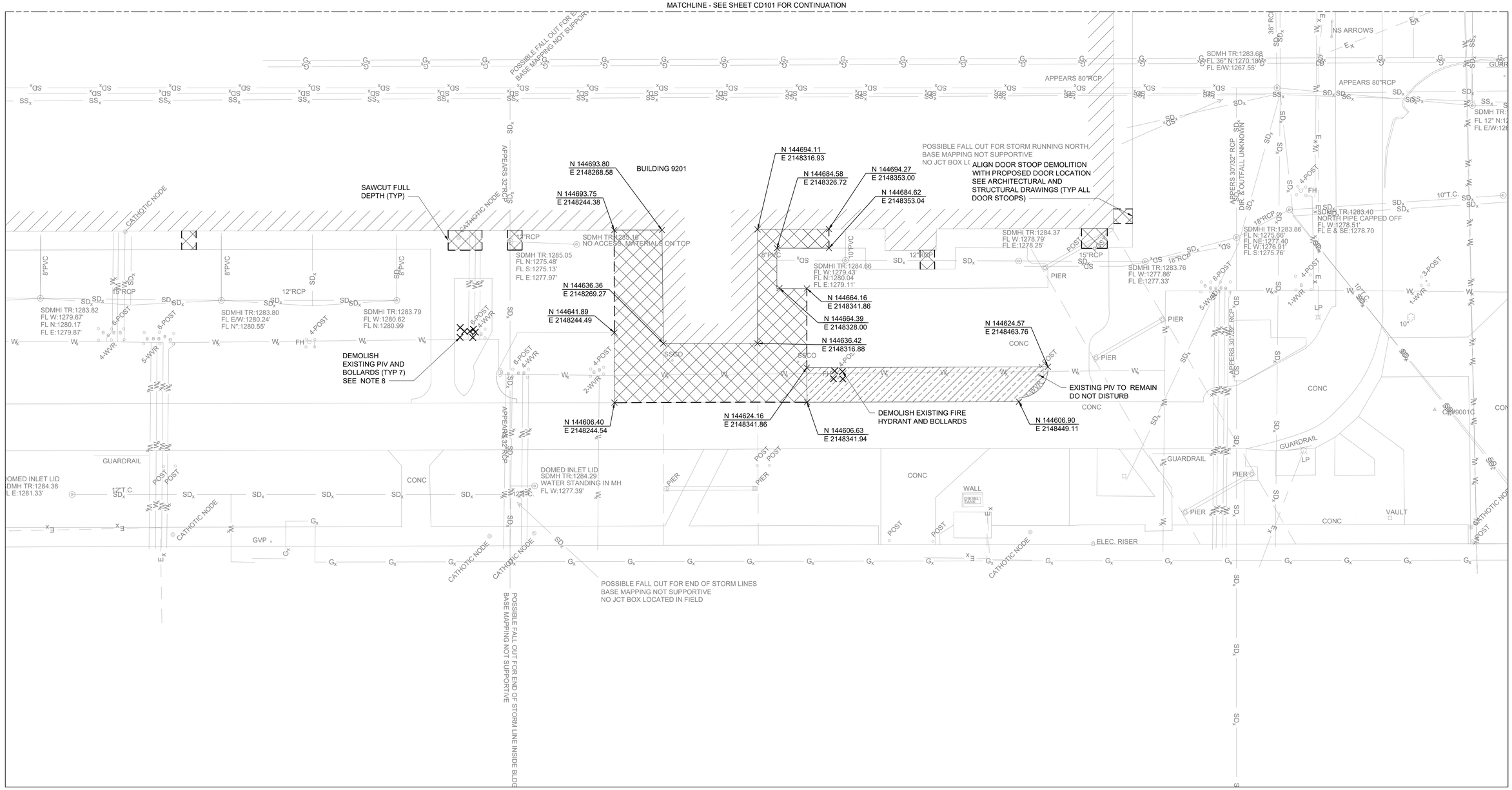
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

DEMOLITION PLAN - GRID 1

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CD101.DWG
SHEET IDENTIFICATION: CD101
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
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MATCHLINE - SEE SHEET CD101 FOR CONTINUATION



B1 DEMOLITION PLAN - GRID 2
SCALE: 1" = 20'

0 20' 40'

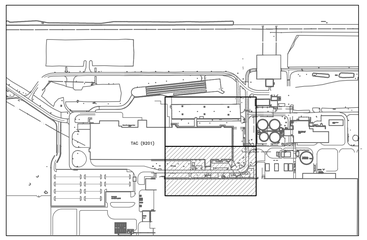
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GENERAL DEMOLITION NOTES:

1. ALL DEMOLITION, WASTE, DEBRIS, AND UNSATISFACTORY MATERIALS SHALL BE DISPOSED OF OFF SITE IN ACCORDANCE WITH ALL LOCAL, STATE. AND FEDERAL REGULATIONS.
2. CONTRACTOR SHALL COORDINATE LIMITS OF SAWCUT AND PAVEMENT REMOVAL WITH PROPOSED PAVEMENT LAYOUT AND JOINTING PLAN. PAVEMENT DESIGNATED FOR SAWCUT SHALL BE SAWCUT FULL DEPTH. INITIAL FULL DEPTH SAWCUT AT THE LIMITS OF REMOVAL AND A SECOND FULL DEPTH SAWCUT 18-INCHES FROM THE INITIAL SAWCUT. SAWCUT EXISTING CONCRETE AT EXISTING JOINT LINES TO THE MAXIMUM EXTENT POSSIBLE TO PREVENT PARTIAL PANEL REMOVAL UNLESS INDICATED OTHERWISE ON THE DEMOLITION DRAWINGS.
3. PAVEMENT REMOVAL SHALL INCLUDE REMOVAL OF PAVEMENT AND ANY SUBBASE MATERIAL PRESENT.
4. ANY DAMAGE TO PAVEMENT AREAS DESIGNATED TO REMAIN SHALL BE REPAIRED OR REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. REPAIRED/REPLACED PAVEMENT SECTION SHALL MATCH ADJACENT SECTION AND SHALL BE DONE IN FULL PANELS.
5. CONTRACTOR SHALL REMOVE ALL TRESS, BUSHES AND BRUSH FROM THE SITE. CUT/TRIM ALL TREES WITHIN EXISTING FENCES THAT ARE TO REMAIN, TO THE MAXIMUM EXTENT POSSIBLE WITHOUT DAMAGING THE FENCE. MOW AND MAINTAIN THE ENTIRE SITE THROUGHOUT CONSTRUCTION DURATION.
6. SPECIAL HANDLING AND CONSIDERATION SHALL BE REQUIRED FOR EXCAVATED SOILS THOUGHT TO CONTAIN PETROLEUM-BASED/CONTAMINATED/HAZARDOUS SUBSTANCES. CONTRACTOR SHALL MONITOR EXCAVATED SOILS. SOILS SHALL BE TREATED ON SITE OR DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS AND THE PROJECT SPECIFICATIONS. BD CONTRACTOR SHALL COORDINATE REMOVAL OF PETROLEUM BASED/CONTAMINATED/HAZARDOUS MATERIALS WITH CONTRACTING OFFICER.
7. ALL STRUCTURES, VALVES, ETC., TO REMAIN SHALL BE PROTECTED AND ADJUSTED TO FINISH GRADE
8. REPLACE EXISTING POST INDICATOR VALVES ON FIRE WATER LEAD-INS TO THE BUILDING WITH NEW POST INDICTOR VALVES, INCLUDING UNDERGROUND SHUTOFF VALVE, INDICATOR POST AND LOCK. REPLACE EXISTING UNDERGROUND PIPING AND FITTINGS CONNECTED TO THE POST INDICATOR VALVES AS REQUIRED TO REMOVE AND REPLACE THE VALVES. REMOVE AND REPLACE EXISTING PIPE BOLLARDS AT INDICATOR POST VALVES. COORDINATE THE ISOLATION OF UNDERGROUND WATER MAINS WITH THE BASE TO MINIMIZE DISRUPTION TO OTHER BUILDINGS.

LEGEND:

- CONCRETE DEMOLITION
- MISCELLANEOUS DEMOLITION
- SAWCUT (FULL DEPTH)
- UTILITY DEMOLITION
- FENCE DEMOLITION
- MISCELLANEOUS DEMOLITION



KEY PLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

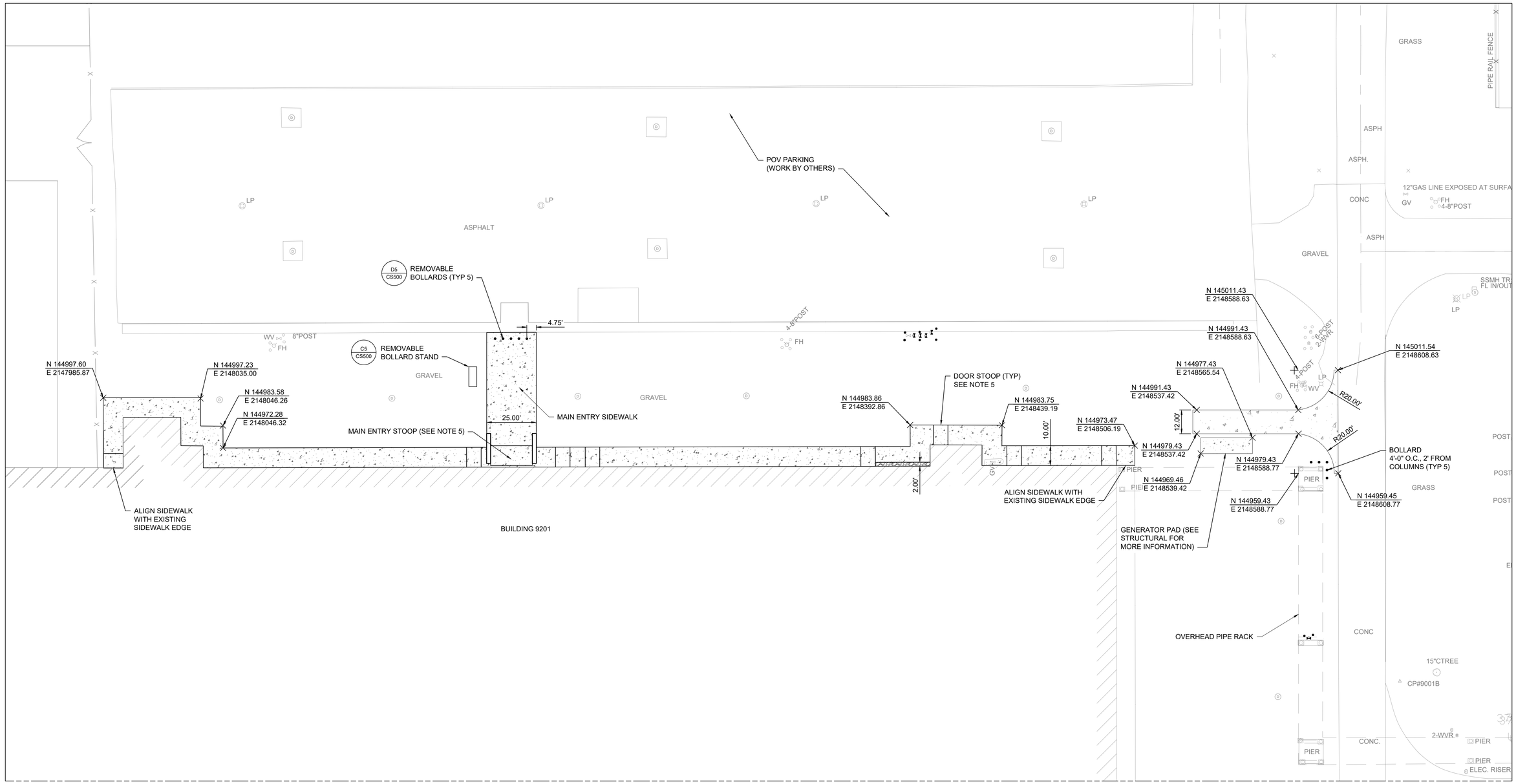
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

DEMOLITION PLAN - GRID 2

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CD101.DWG
SHEET IDENTIFICATION: CD102
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
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MATCHLINE - SEE SHEET CS102 FOR CONTINUATION

B1 SITE PLAN - GRID 1
SCALE: 1" = 20'

0 20' 40'

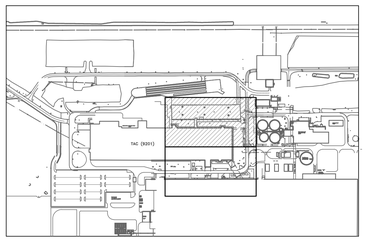
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GENERAL SITE NOTES:

1. BUILDING COORDINATES ARE TO COLUMN CENTER LINES, DIMENSIONS ARE TO EXTERIOR CORNER OF BUILDING SLAB, BACK OF CURB, OR EDGE OF PAVEMENT AND ARE IN FEET UNLESS INDICATED OTHERWISE.
2. SEE DRAWING V100 FOR HORIZONTAL AND VERTICAL CONTROL POINTS. SEE DRAWING GC001 FOR CIVIL LEGEND.
3. SEED ALL AREAS WITHIN THE PROJECT LIMITS OF CONSTRUCTION AND ANY OTHER AREAS DISTURBED DURING CONSTRUCTION ACTIVITIES. MINIMUM OF 4-INCHES TOPSOIL SHALL BE PROVIDED FOR AREAS TO BE SEEDED. PROVIDE TEMPORARY IRRIGATION.WATERING FOR MINIMUM 12 MONTHS TO PROVIDE VEGETATIVE COVERAGE OF 95%. TOP SOIL TO BE 6-INCHES BELOW FINISHED FLOOR OF BUILDINGS AROUND THE PERIMETER.
4. CONTRACTOR IS RESPONSIBLE FOR MOWING AND MAINTAINING ALL AREAS WITHIN THE PROJECT LIMITS FROM THE NOTICE TO PROCEED DATE THROUGHOUT THE DURATION OF THE PROJECT. MOW AREAS TO A MAXIMUM AVERAGE HEIGHT OF 3-INCHES FOR SPRING/SUMMER MAINTENANCE AND TO A MAXIMUM AVERAGE HEIGHT OF 6-INCHES FOR FALL/WINTER MAINTENANCE.
5. FOR DOOR STOOP LOCATION AND MAIN ENTRY SIDEWALK SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

LEGEND:

CONCRETE PAVEMENT — A4 CS500
AGGREGATE
SIDEWALK — A4 CS501
BOLLARD — D1 CS500



KEY PLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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9400 WARD PARKWAY
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U.S. ARMY ENGINEER DISTRICT
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TULSA, OKLAHOMA

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REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

US Army Corps of Engineers

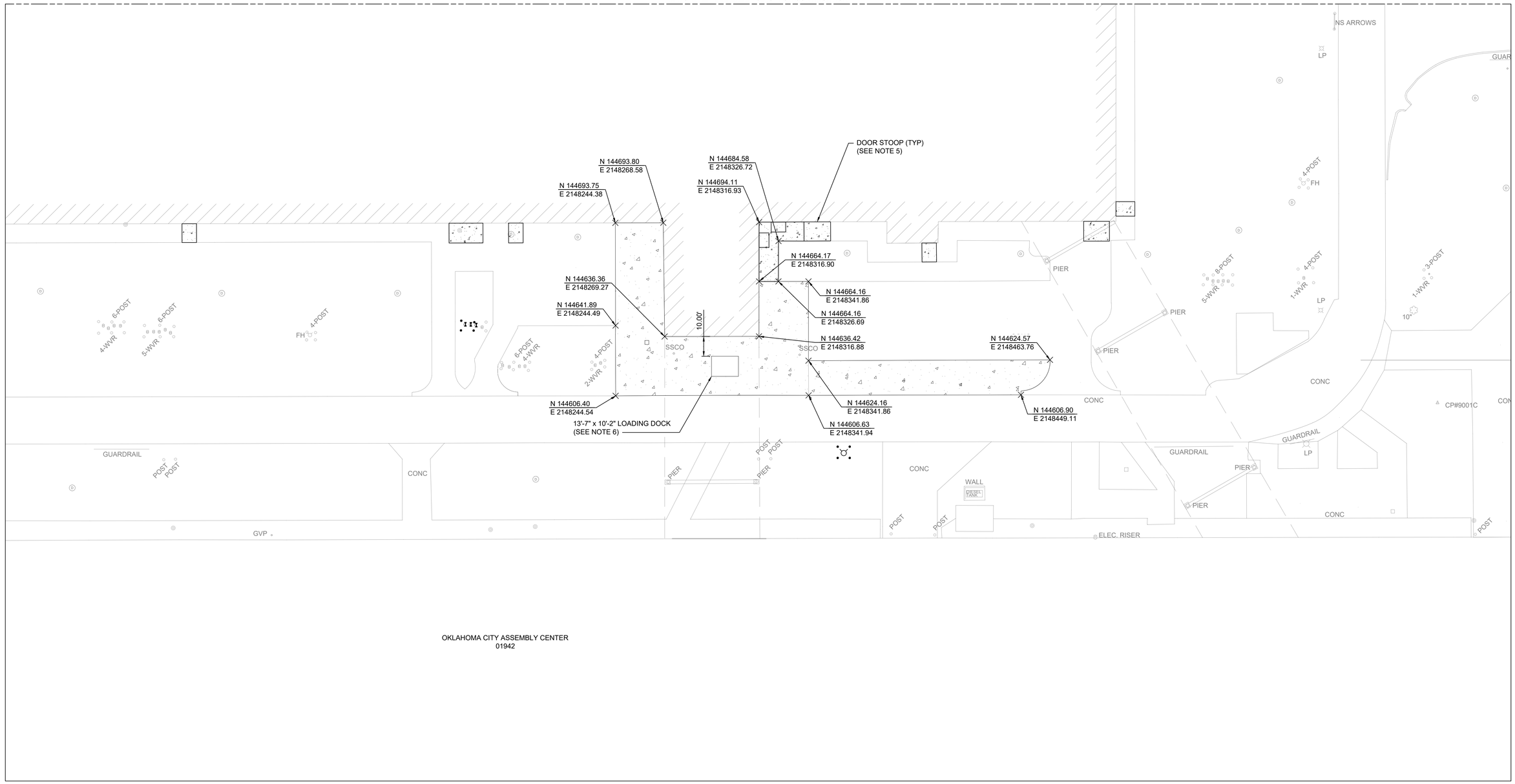
B9201 PROGRAM OFFICE
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OKLAHOMA CITY, OKLAHOMA

SITE PLAN - GRID 1

PLOT SCALE: AS SHOWN | SIZE: 42x30
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SHEET IDENTIFICATION: CS101
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
Sheet of

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MATCHLINE - SEE SHEET CS101 FOR CONTINUATION



OKLAHOMA CITY ASSEMBLY CENTER
01942

B1 SITE PLAN - GRID 2
SCALE: 1" = 20'

0 20' 40'

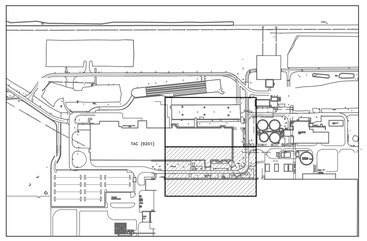
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GENERAL SITE NOTES:

1. BUILDING COORDINATES ARE TO COLUMN CENTER LINES, DIMENSIONS ARE TO EXTERIOR CORNER OF BUILDING SLAB, BACK OF CURB, OR EDGE OF PAVEMENT AND ARE IN FEET UNLESS INDICATED OTHERWISE.
2. SEE DRAWING V100 FOR HORIZONTAL AND VERTICAL CONTROL POINTS. SEE DRAWING GC001 FOR CIVIL LEGEND.
3. SEED ALL AREAS WITHIN THE PROJECT LIMITS OF CONSTRUCTION AND ANY OTHER AREAS DISTURBED DURING CONSTRUCTION ACTIVITIES. MINIMUM OF 4-INCHES TOPSOIL SHALL BE PROVIDED FOR AREAS TO BE SEEDED. PROVIDE TEMPORARY IRRIGATION.WATERING FOR MINIMUM 12 MONTHS TO PROVIDE VEGETATIVE COVERAGE OF 95%.
4. CONTRACTOR IS RESPONSIBLE FOR MOWING AND MAINTAINING ALL AREAS WITHIN THE PROJECT LIMITS FROM THE NOTICE TO PROCEED DATE THROUGHOUT THE DURATION OF THE PROJECT. MOW AREAS TO A MAXIMUM AVERAGE HEIGHT OF 3-INCHES FOR SPRING/SUMMER MAINTENANCE AND TO A MAXIMUM AVERAGE HEIGHT OF 6-INCHES FOR FALL/WINTER MAINTENANCE.
5. FOR DOOR STOOP LOCATION SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
6. WESTERN EDGE OF LOADING DOCK SHALL ALIGN WITH EASTERN EDGE OF OVERHEAD DOOR WHEN LOOKING NORTH.

LEGEND:

CONCRETE PAVEMENT — A4 / CS500
AGGREGATE
SIDEWALK — A4 / CS501
BOLLARD — D1 / CS500



KEY PLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

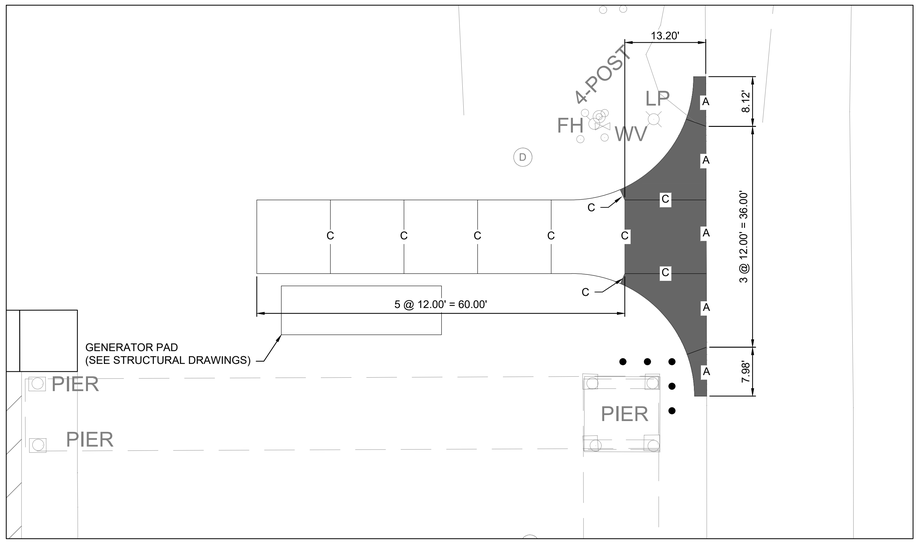
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

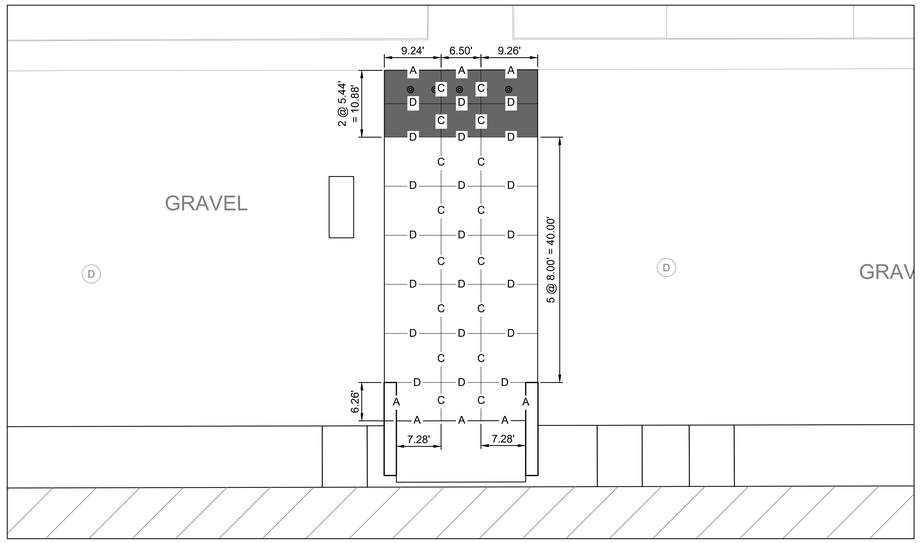
SITE PLAN - GRID 2

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CS101.DWG
SHEET IDENTIFICATION: CS102
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
Sheet of

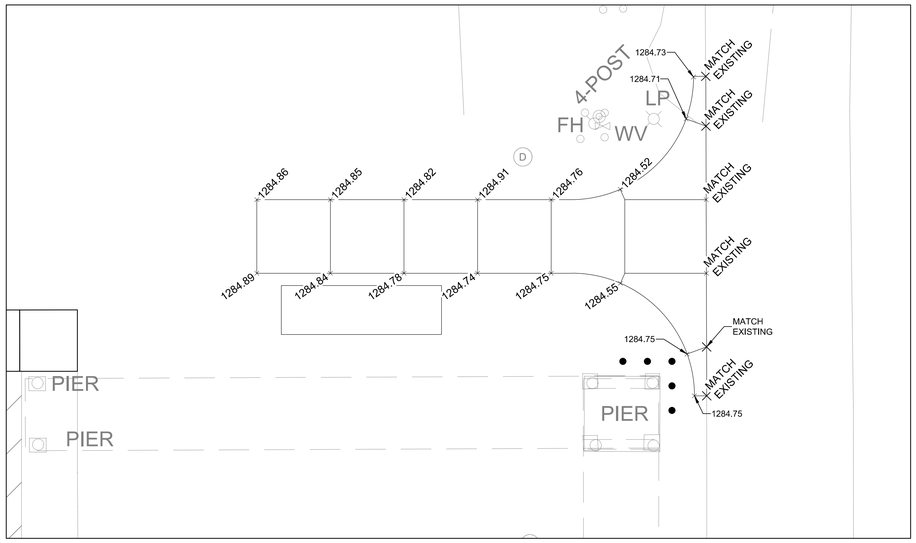
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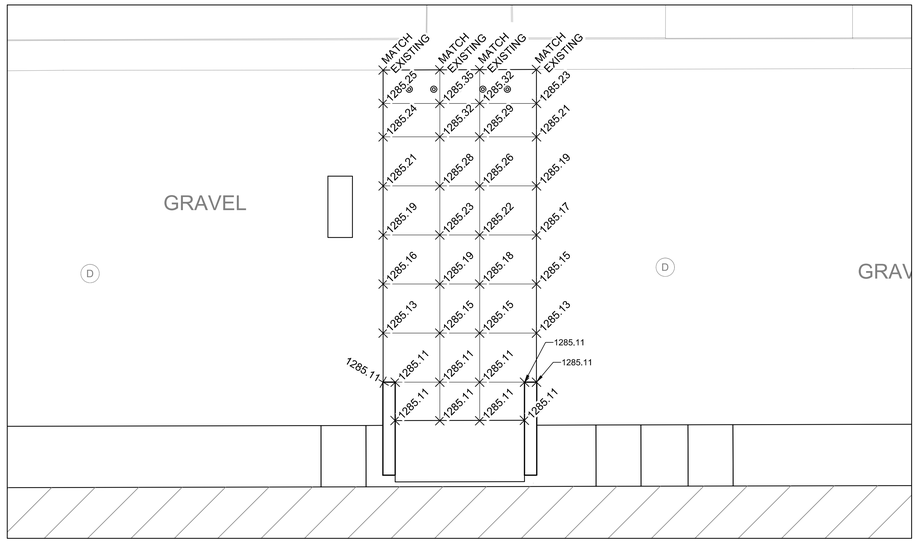
D1 PAVEMENT JOINTING PLAN
SCALE: 1" = 10'



D3 PAVEMENT JOINTING PLAN
SCALE: 1" = 10'



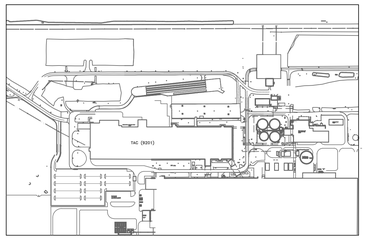
B1 PAVEMENT ELEVATION PLAN
SCALE: 1" = 10'



B3 PAVEMENT ELEVATION PLAN
SCALE: 1" = 10'

LEGEND:

- C — DOWELED CONTRACTION JOINT — D3 CS500
- D — DUMMY CONTRACTION JOINT — D5 CS501
- A — THICKENED EDGE ISOLATION JOINT — D1 CS501
- REINFORCED PANEL — D2 CS501



KEY PLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
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REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

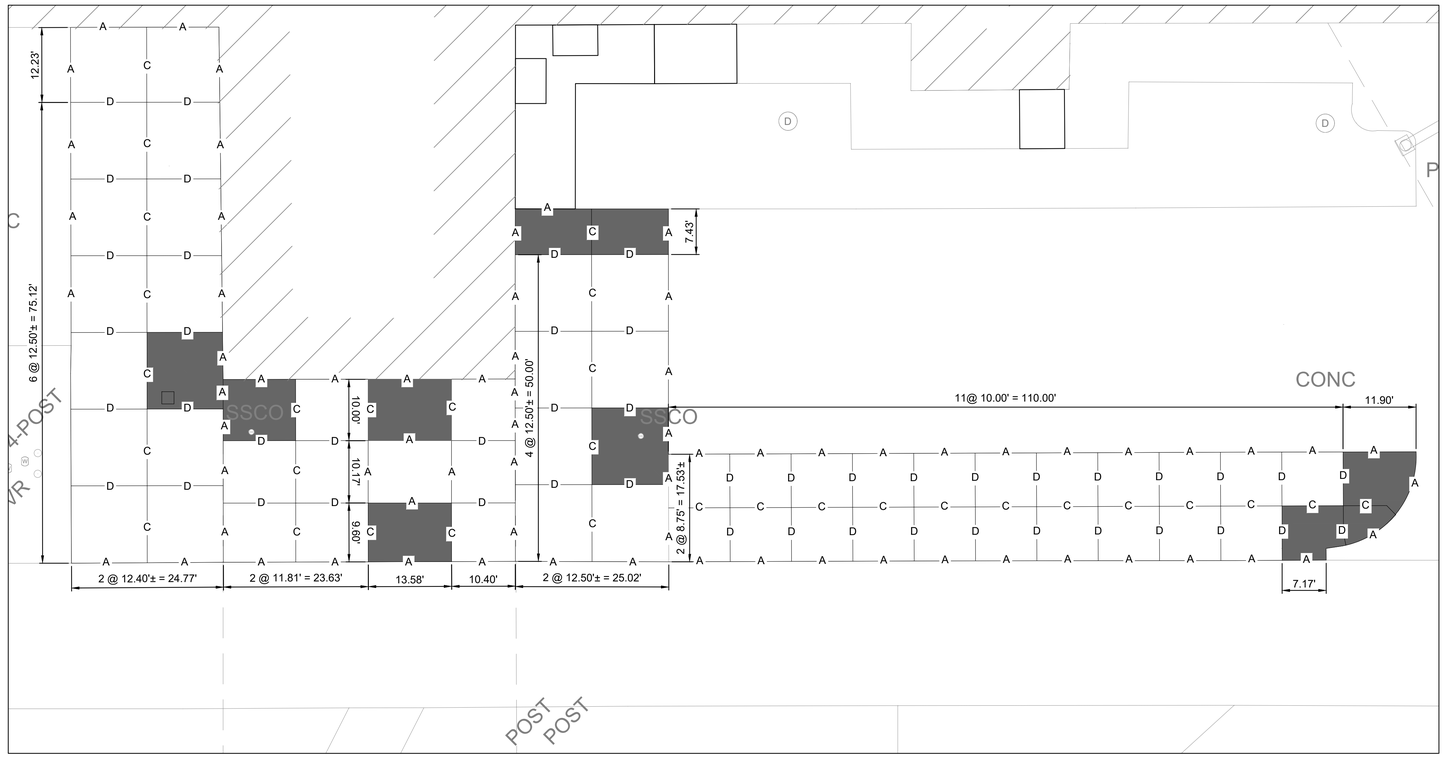
US Army Corps of Engineers

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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

PAVEMENT JOINTING
AND ELEVATION PLAN - 1

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CS401.DWG
SHEET IDENTIFICATION: CS401
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
Sheet of

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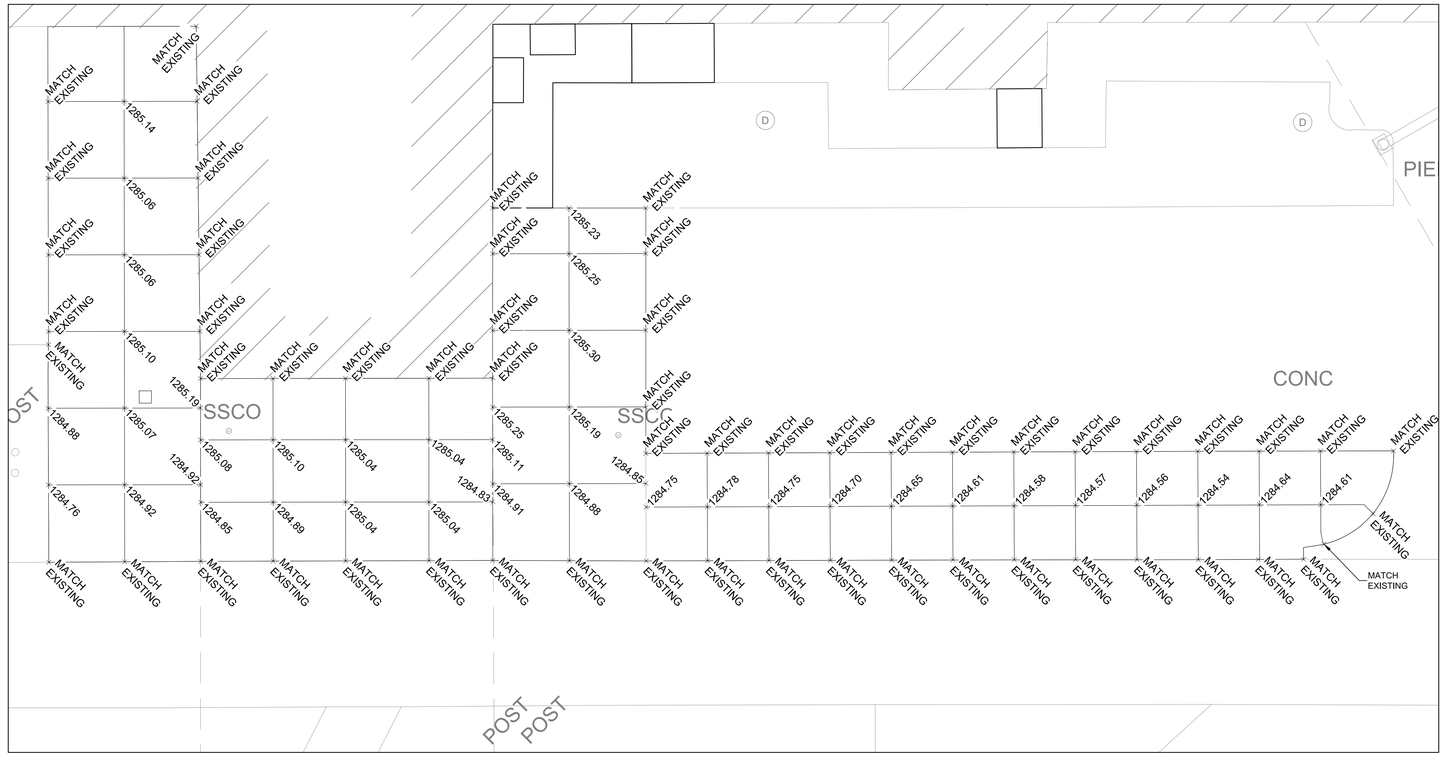
C1 PAVEMENT JOINTING PLAN
SCALE: 1" = 10'

0 10' 20'

N

LEGEND:

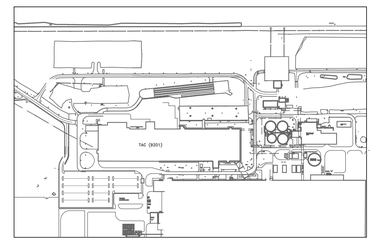
- C — DOWELED CONTRACTION JOINT — D3 CS500
- D — DUMMY CONTRACTION JOINT — D5 CS501
- A — THICKENED EDGE ISOLATION JOINT — D1 CS501
- REINFORCED PANEL — D2 CS501



A1 PAVEMENT ELELVATION PLAN
SCALE: 1" = 10'

0 10' 20'

N



KEY PLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

US Army Corps of Engineers

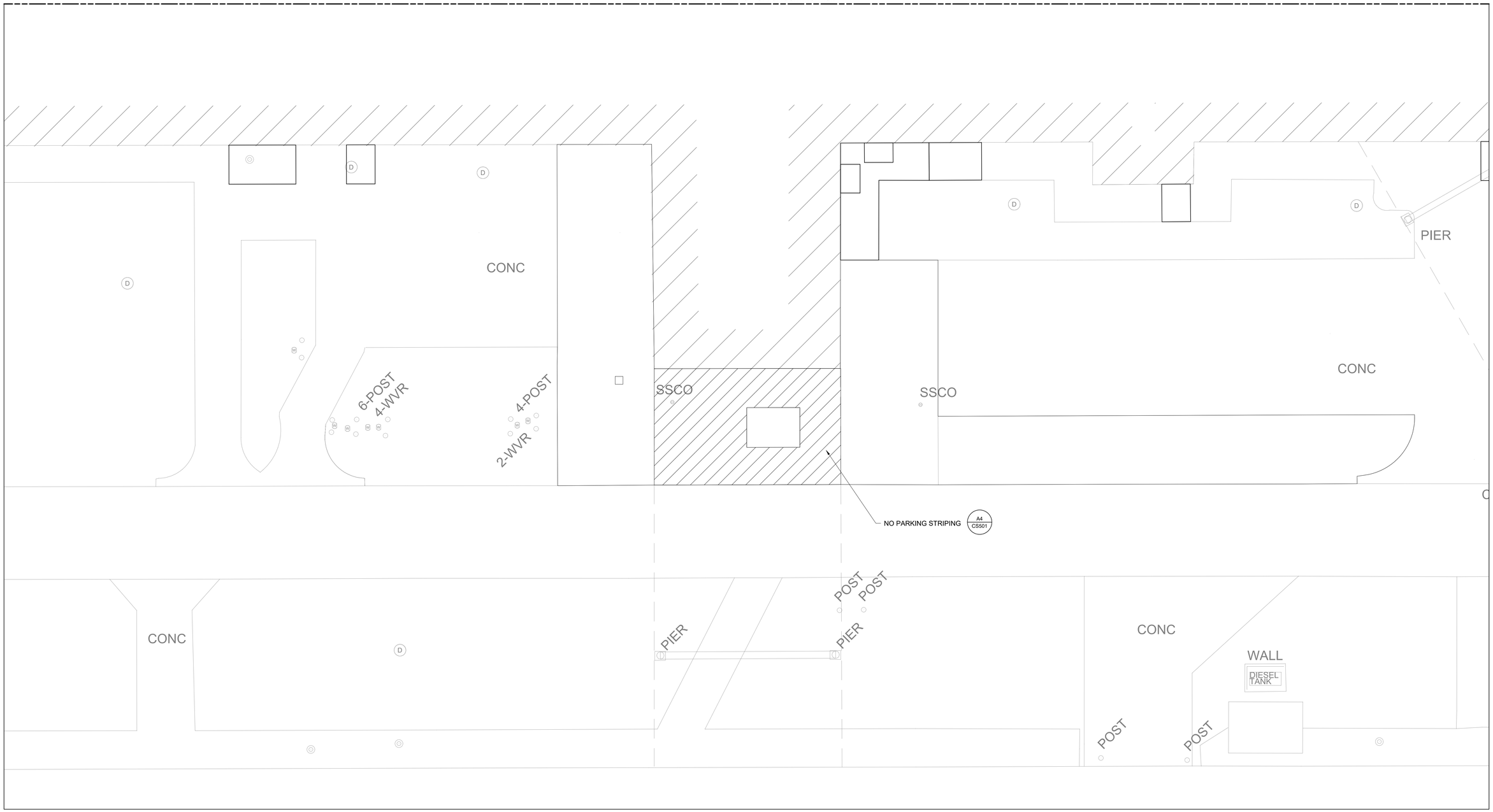
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

PAVEMENT JOINTING
AND ELEVATION PLAN - 2

PLOT SCALE: AS SHOWN
SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CS401.DWG
SHEET IDENTIFICATION: CS402
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
Sheet of

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MATCHLINE - SEE SHEET CM101 FOR CONTINUATION



B1 PAVEMENT MARKING PLAN - GRID 2

SCALE: 1" = 20'

0 10' 20'

N

GENERAL SITE NOTES:

1. BUILDING COORDINATES ARE TO COLUMN CENTER LINES, DIMENSIONS ARE TO EXTERIOR CORNER OF BUILDING SLAB, BACK OF CURB, OR EDGE OF PAVEMENT AND ARE IN FEET UNLESS INDICATED OTHERWISE.
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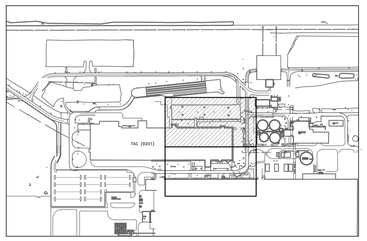
LEGEND:

CONCRETE PAVEMENT — A4 CS500

AGGREGATE

SIDEWALK — A4 CS501

BOLLARD — D1 CS500



KEY PLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

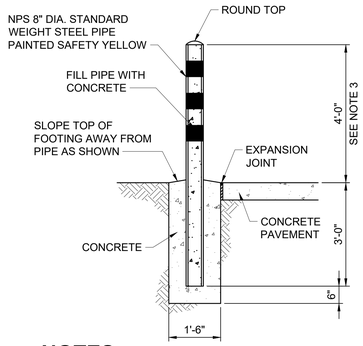
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

PAVEMENT MARKING PLAN - GRID 2

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CM101.DWG
SHEET IDENTIFICATION: CM102
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
Sheet of

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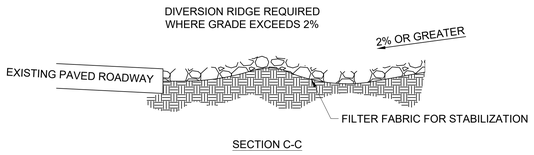


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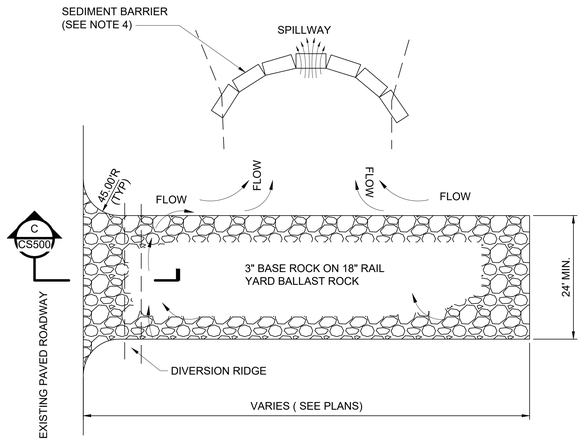
1. STEEL PIPE FOR PIPE GUARDS SHALL CONFORM TO SECTION 05 50 13 MISCELLANEOUS METAL FABRICATIONS OF THE SPECIFICATIONS.
2. STANDARD FINISH COLOR IS OSHA YELLOW WITH 2 STRIPS OF 2-INCH WIDE WHITE REFLECTIVE TAPE, 2-INCHES FROM TOP AND 2-INCHES BETWEEN.
3. BOLLARDS ON AIRCRAFT APRONS PROTECTING FIRE HYDRANTS SHALL BE 30 INCHES ABOVE GROUND OR 24 INCHES ABOVE PAVEMENT.

D1 BOLLARD / PIPE GUARD

SCALE: NTS



SECTION C-C



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. CONTRACTOR TO PROVIDE EQUIPMENT FOR WASHING.
4. USE SANDBAGS OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.

A1 STABILIZED CONSTRUCTION ENTRANCE

SCALE: NTS

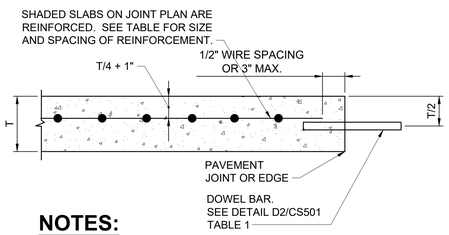


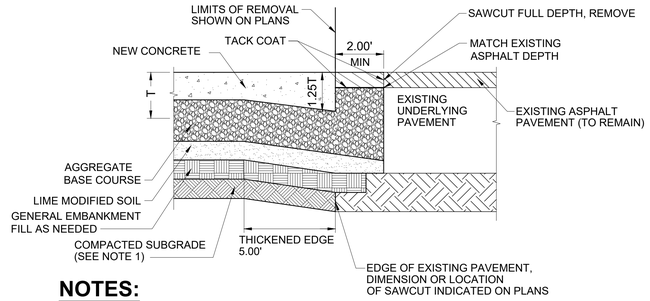
TABLE 1		
PAVEMENT THICKNESS (INCHES)	MINIMUM REQUIRED AREA OF STEEL (SQ. INCHES/FOOT)	WELDED WIRE FABRIC
6-8	0.048	6x6-W2.9xW2.9

NOTES:

1. SHADED SLABS INDICATED ON THE JOINT LAYOUT PLAN SHALL BE REINFORCED WITH STEEL REBAR OR WELDED WIRE FABRIC OF THE SIZES SHOWN. OTHER WELDED WIRE FABRIC SIZES MAY BE USED PROVIDED THE STEEL AREA (SQUARE INCHES PER FOOT) IN THE LONGITUDINAL AND TRANSVERSE DIRECTIONS IS EQUAL TO OR EXCEEDS THAT SHOWN IN TABLE 1. SEE DETAIL A5, THIS SHEET, FOR REINFORCEMENT LAYOUT AROUND STRUCTURES ON THE AIRFIELD APRON.
2. WELDED WIRE FABRIC OR REBAR SHALL BE OVERLAPPED FOR A DISTANCE EQUAL TO AT LEAST ONE SPACING OF THE WIRE IN THE FABRIC OR 32 WIRE DIAMETERS, WHICHEVER IS GREATER. THE WIRES IN THE LAP SHALL BE WIRED OR OTHERWISE SECURELY FASTENED TO PREVENT SEPARATION DURING CONCRETE PLACEMENT.

D2 REINFORCED CONCRETE PAVEMENT

SCALE: NTS

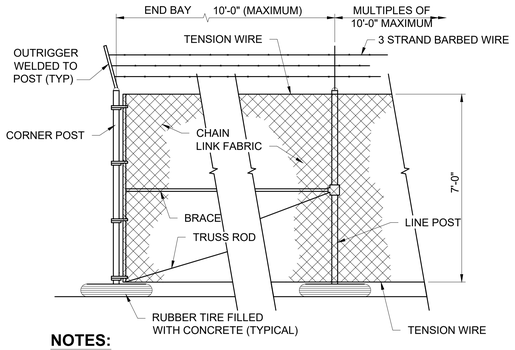


NOTES:

1. REMOVE EXISTING MATERIAL AND CONSTRUCT IN ACCORDANCE WITH SPEC SECTION 31 00 00.

C2 TYPE F - JUNCTURE OF NEW CONCRETE AND EXISTING ASPHALT

SCALE: NTS

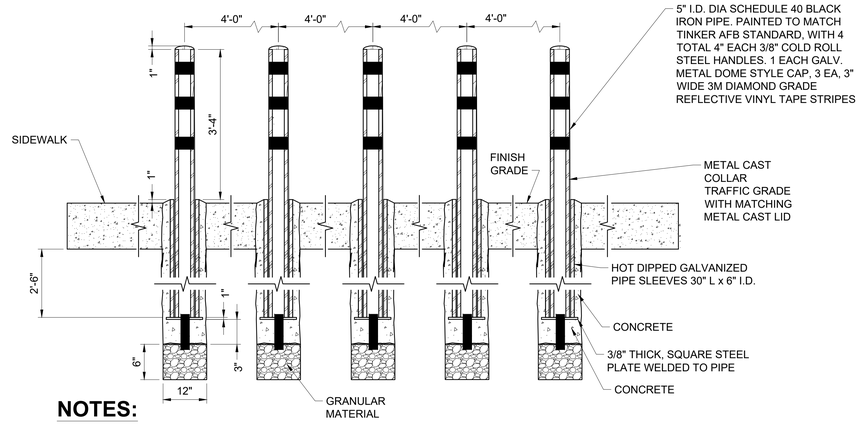


NOTES:

1. SEE SPECIFICATIONS FOR MATERIAL ANCHORAGE AND COLOR SHALL BE AS DIRECTED BY CONTRACTING OFFICER.
2. TEMPORARY CHAIN-LINK CONSTRUCTION FENCE IN PAVED AREAS SHALL NOT BE USED FOR SECURITY FENCING.

A2 TEMPORARY CHAIN-LINK CONSTRUCTION FENCE

SCALE: NTS

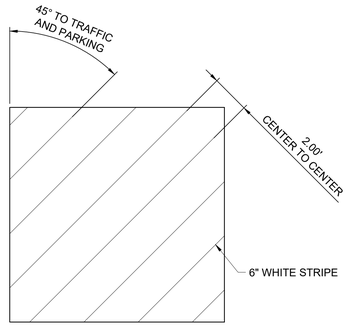


NOTES:

1. PREPARE SURFACE IN FIELD BY SSPC-SP3 METHODS TO SSPC-SP6 QUALITY AND 1.0 MIL MIN PROFILE DEPTH. FIRST COAT IS TO BE ALKYD PRIMER AT MIN 40% SOLIDS BY VOLUME. APPLIED AT 2 MILS DRY. SECOND AND THIRD COATS ARE TO BE ALKYD GLOSS ENAMEL MIN 40% SOLIDS BY VOLUME. EACH COAT APPLIED AT 1.5 MILS DRY. TOTAL COATING 5 MIL MIN DRY FILM.
2. CONSTRUCT CONCRETE SLAB WITH MATCHING PIPE SLEEVES FOR STORAGE OF BOLLARDS. INSTALL METAL CAST LID OVER EMPTY SLEEVES. SEE DETAIL C5 THIS SHEET.
3. METAL HANDLES TO BE WELDED TO PIPE BOLLARD WITH TWO HANDLES AT 12" ABOVE GRADE AND TWO 12" FROM TOP.

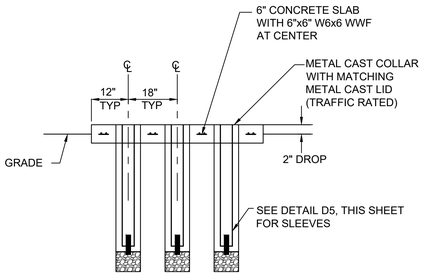
D5 REMOVABLE BOLLARD

SCALE: NTS



C4 NO PARKING STRIPING

SCALE: NTS

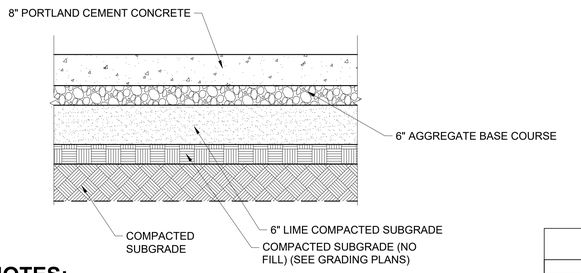


NOTES:

1. NUMBER OF STORAGE PODS SHALL BE DETERMINED BY THE NUMBER OF REMOVABLE BOLLARDS.
2. LOCATE 18" FROM EDGE OF SIDEWALK OR BACK OF CURB.

C5 REMOVABLE BOLLARD / PIPE GUARD STAND

SCALE: NTS



NOTES:

1. REMOVE EXISTING MATERIAL IN ACCORDANCE WITH SPEC SECTION 31 00 00.
2. SHADED SLABS INDICATED ON THE JOINT LAYOUT PLAN SHALL BE REINFORCED PER TABLE 1, DETAIL D2, SHEET CS500.

A4 SITE VEHICULAR CONCRETE PAVEMENT

SCALE: NTS

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
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REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

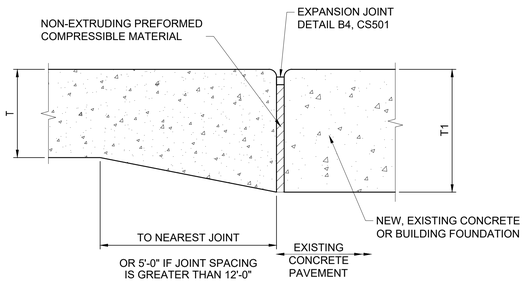
US Army Corps of Engineers

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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

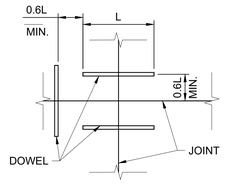
SITE DETAILS - 1

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CS500.DWG
SHEET IDENTIFICATION: CS500
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
Sheet of

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D1 TYPE A - THICKENED EDGE ISOLATION JOINT
SCALE: NTS

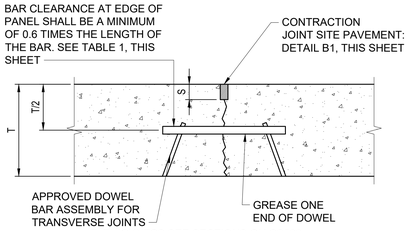


DOWEL BAR SIZE -TABLE 1			
THICKNESS OF SLAB (T)	DIAM	LENGTH	SPACING
<8"	3/4"	16"	12"

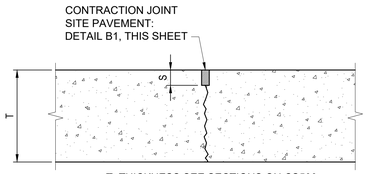
NOTES:

1. SEE SPECIFICATION SECTION 32 13 13.06 PCC PAVEMENT ROADS AND SITE FACILITIES FOR ADDITIONAL DOWEL BAR SPACING REQUIREMENTS.
2. WHEN DOWELED JOINTS ARE REQUIRED BETWEEN PAVEMENTS OF DIFFERING THICKNESS, THE DOWELS SHALL BE SIZED FOR THE THINNER SECTION, AND PLACED AT T/2 ± D/2 OF THE THINNER PAVEMENT.

D2 DOWEL BAR LOCATION AND SIZES
SCALE: NTS

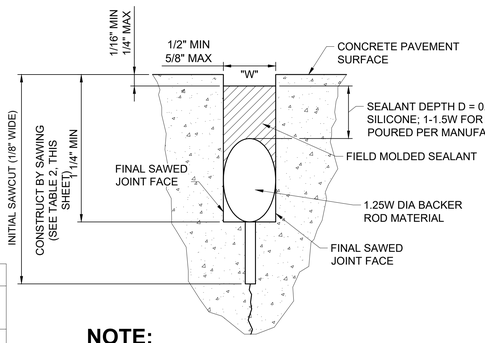


D3 TYPE C - DOWELED CONTRACTION JOINT
SCALE: NTS



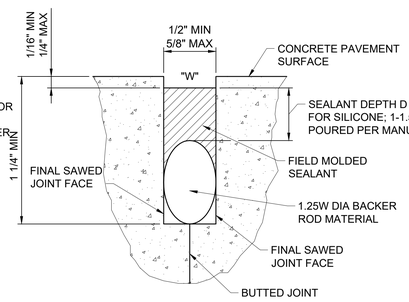
D5 TYPE D - DUMMY CONTRACTION JOINT
SCALE: NTS

SAWCUT TABLE 2	
PAVEMENT THICKNESS (INCHES)	DEPTH OF INITIAL SAW CUT
LESS THAN 12"	1/4 SLAB THICKNESS



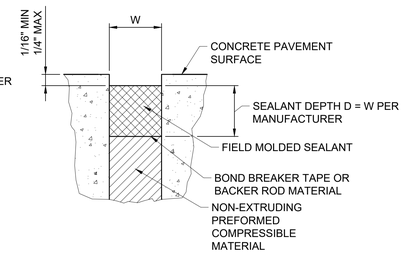
NOTE:

1. COORDINATE SAWCUT DEPTH OF JOINT RESERVOIR WITH SEALANT MANUFACTURER'S RECOMMENDATIONS.



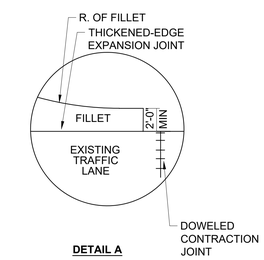
NOTE:

1. COORDINATE SAWCUT DEPTH OF JOINT RESERVOIR WITH SEALANT MANUFACTURER'S RECOMMENDATIONS.

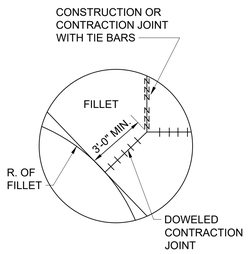


NOTE:

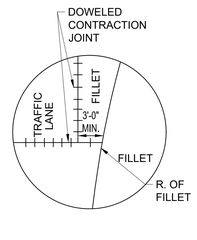
1. COORDINATE SAWCUT DEPTH OF JOINT RESERVOIR WITH SEALANT MANUFACTURER'S RECOMMENDATIONS.



DETAIL A



DETAIL B



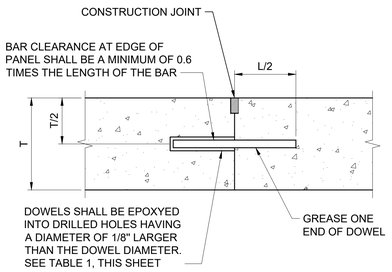
DETAIL C

B1 CONTRACTION JOINT
SCALE: NTS

B2 CONSTRUCTION JOINT
SCALE: NTS

B4 EXPANSION JOINT
SCALE: NTS

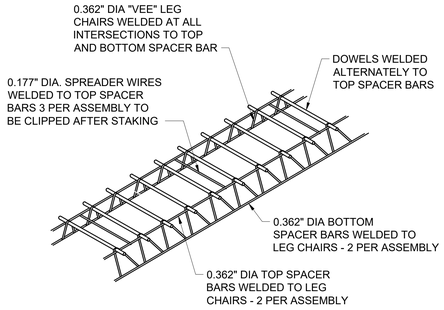
B5 RIGID PAVEMENT FILLET DETAILS
SCALE: NTS



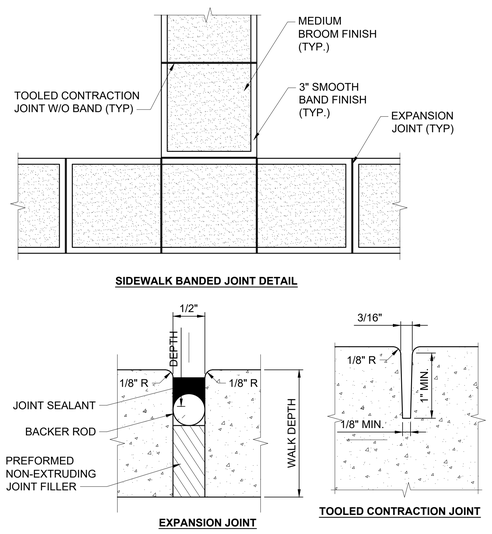
NOTES:

1. CONSTRUCT A TYPE E - DOWELED CONSTRUCTION JOINT WHENEVER PAVING OPERATIONS ARE DELAYED OR STOPPED.
2. CONCRETE SHALL NOT BE DRILLED UNTIL AT LEAST 72 HOURS AFTER PLACEMENT.

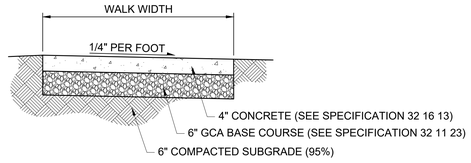
A1 TYPE E - DOWELED CONSTRUCTION JOINT
SCALE: NTS



A2 DOWEL BAR ASSEMBLY
SCALE: NTS



A4 SIDEWALK
SCALE: NTS



SECTION A-A

NOTES:

1. TRANSVERSE EXPANSION JOINTS SHALL BE CONTINUOUS THROUGH BOTH WALK AND CURB WHERE WALK ABUTS CONCRETE CURB AND GUTTER TRANSVERSELY.
2. EXPANSION JOINTS SHALL NOT BE REQUIRED BETWEEN CURBS THAT ABUT THE SIDEWALK LONGITUDINALLY.
3. SEE SPECIFICATION SECTION 32 16 13.

JOINT SPACING FOR STRAIGHT RUNS			
WALK WIDTH	CONTRACTION JOINT SPACING		EXPANSION JOINT SPACING
	TRANSVERSE	LONGITUDINAL	
4'	4'	NOT REQUIRED	40' MAX.
6'	6'	NOT REQUIRED	42' MAX.
8'	4'	4'	40' MAX.
10'	5'	5'	40' MAX.
12'	6'	6'	42' MAX.

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

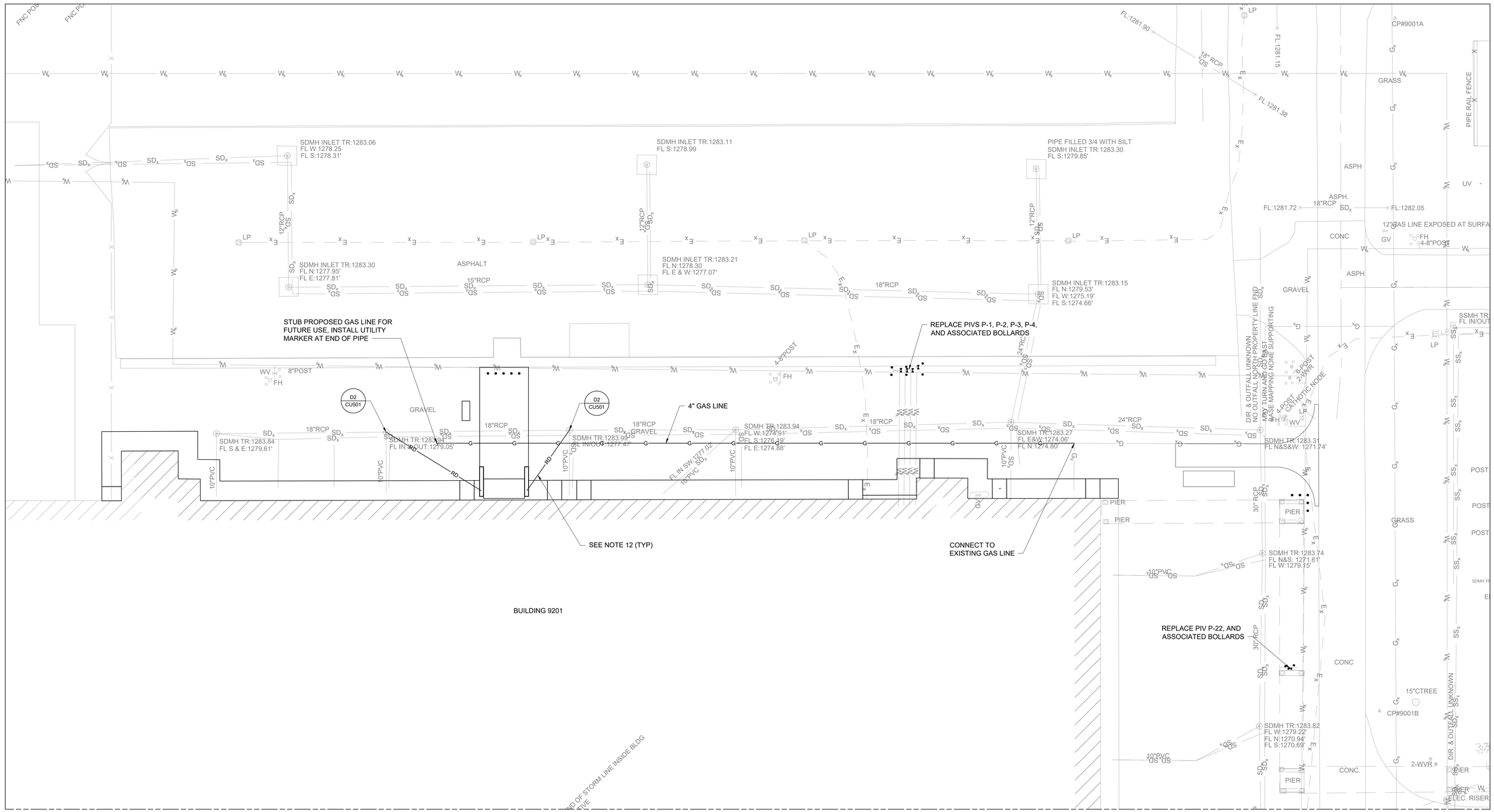
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

SITE DETAILS - 2

DESIGNED BY:	A. DORMAN
DRAWN BY:	S. LUEHRS
CHECKED BY:	K. ROBERTS
REVIEWED BY:	R. BARUTH
SUBMITTED BY:	SUBMITTER
PLOT SCALE:	AS SHOWN
SIZE:	42x30
DATE:	02/14/18
FILE NUMBER:	104444-CS500.DWG
SHEET IDENTIFICATION	CS501
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-005
PROJECT NO.:	WWYK190115
Sheet	of

US Army Corps of Engineers ®

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B1 UTILITY PLAN - GRID 1
SCALE: 1" = 20'

0 20' 40'

N

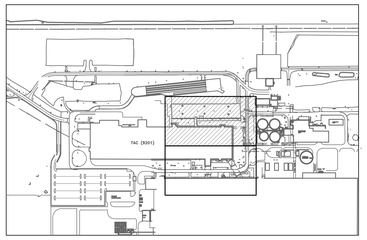
GENERAL UTILITY NOTES:

1. ALL PIPE SIZES ARE IN INCHES UNLESS INDICATED OTHERWISE.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL BUILDING CONNECTIONS WITH THE INFORMATION PROVIDED ON MECHANICAL AND ELECTRICAL SHEETS FOR EACH FACILITY.
3. CONTRACTOR SHALL CONTACT THE CONTRACTING OFFICER AND ALL ASSOCIATED UTILITY COMPANIES AND AGENCIES TO IDENTIFY THE LOCATION OF UTILITIES PRIOR TO COMMENCEMENT OF WORK.
4. CONTRACTOR SHALL COORDINATE ALL REQUIRED UTILITY SHUTDOWNS FOR UTILITY CONNECTIONS WITH THE CONTRACTING OFFICER. A WRITTEN REQUEST SHALL BE SUBMITTED TO THE BASE CIVIL ENGINEER A MINIMUM OF 21 CALENDAR DAYS PRIOR TO ANY SCHEDULED UTILITY OUTAGE.
5. CONNECTION TO EXISTING WATER SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL REQUIREMENTS OF ASSOCIATED UTILITY COMPANIES, GOVERNMENT AGENCIES AND CONTRACT DOCUMENTS.
6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING ALL UTILITY CONNECTION FEES AND OBTAINING ALL PERMITS REQUIRED FOR THE UTILITY CONSTRUCTION AND CONNECTIONS. THIS INCLUDES ALL FEES ASSOCIATED WITH CONNECTION CHARGES AND METERS.
9. ALL UNDERGROUND UTILITIES ARE SUBJECT TO ACCEPTANCE TESTING AND INSPECTION METHODS DETAILED IN THE SPECIFICATIONS, WHICH INCLUDES VIDEO CAMERA INSPECTION OF ALL UTILITY LINES. VIDEO RECORDINGS SHALL BE SUBMITTED TO THE CONTRACTING OFFICER/ GOVERNMENT FOR REVIEW AND APPROVAL.
10. ANY CHANGES TO PROPOSED UTILITY DESIGN SHALL BE APPROVED BY CONTRACTING OFFICER AND DESIGN ENGINEER.
11. CONTRACTOR SHALL CAP ALL PROPOSED UTILITY LINES FOR FUTURE CONNECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC PIPE MATERIAL.
12. ROOF DRAIN DOWNSPOUT SHALL BE PER DETAIL C4 ON SHEET CU501. COORDINATE WITH THE STRUCTURAL DRAWINGS FOR DOWNSPOUT LOCATION.

LEGEND:

——G——	GAS LINE
——SAN——	SANITARY SEWER LINE
	FIRE HYDRANT

A1 / CU501



KEY PLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

UTILITY PLAN - GRID 1

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CU101.DWG
SHEET IDENTIFICATION: CU101
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
Sheet of

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MATCHLINE - SEE SHEET CU101 FOR CONTINUATION

BUILDING 9201

CATHOTIC NODE

CONC

DRAIN
INV: 1281.68'

SSCO

4" SAN @ 2%

DRAIN
INV: 1282.50'

A5
CU501
REPLACE PIVS P-19, P-20, AND
P-21 AND ASSOCIATED BOLLARDS

USE EXISTING FIRE
HYDRANT STUB OUT FOR
EXTENSION ACROSS ROAD

6" WATER LINE
(DIRECTIONAL BORE UNDER
EXISTING PAVEMENT)

PROPOSED
FIRE HYDRANT

GUARDRAIL

POST

PIER

WALL

DIESEL TANK

VAULT

ELEC. RISER

GVP

FH

LP

4-POST

6-POST

8-POST

5-WYR

4-WYR

2-WYR

1-WYR

3-POST

10"

CLF#9001C

B1 UTILITY PLAN - GRID 2
SCALE: 1" = 20'

0 20' 40'

N

GENERAL SITE NOTES:

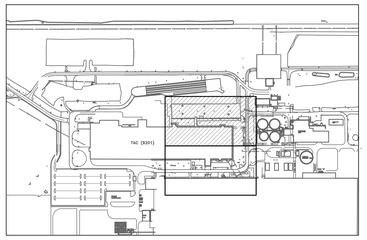
1. SEE SHEET CU101 FOR GENERAL UTILITY NOTES.

LEGEND:

G — GAS LINE

SAN — SANITARY SEWER LINE

FIRE HYDRANT — A1 / CU501



KEY PLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

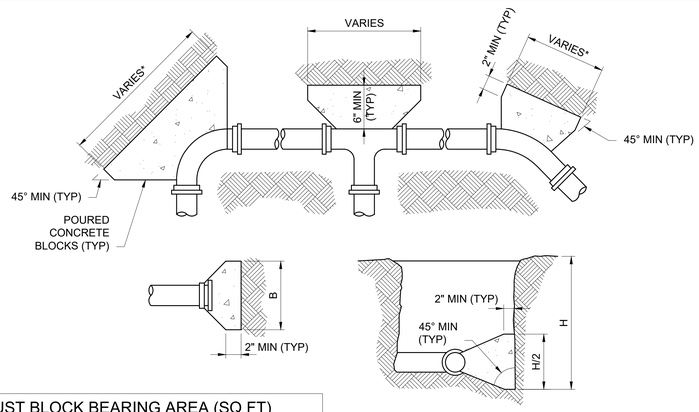
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

UTILITY PLAN - GRID 2

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CU101.DWG
SHEET IDENTIFICATION: CU102
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
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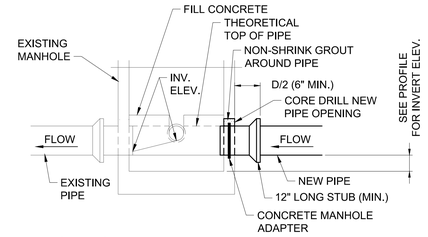
THRUST BLOCK BEARING AREA (SQ FT)					
PIPE SIZE	TEE & END	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
6"	5.60	7.92	4.28	2.18	1.10

NOTE: BEARING AREA BASED ON [2500] PSF SOIL BEARING CAPACITY AND A PIPE TEST PRESSURE OF [165] PSI.

NOTES:

1. THRUST BLOCKS ARE REQUIRED AT ALL VERTICAL AND HORIZONTAL TEES, OR ELBOWS OF PRESSURIZED PIPING.
2. BLOCKING PROVIDED SHALL BE ADEQUATE TO WITHSTAND FULL TEST PRESSURE.
3. THRUST BLOCK CONCRETE SHALL EXTEND TO UNDISTURBED EARTH.
4. A NONPOROUS MATERIAL 8 MILS MIN VISQUEEN OR 15 LB MIN FELT SHALL BE PLACED BETWEEN THE FITTING AND CONCRETE THRUST BLOCK.
5. JOINTS SHALL NOT BE COVERED WITH CONCRETE. SUFFICIENT CLEARANCE SHALL BE PROVIDED BETWEEN CONCRETE AND FITTINGS FOR FUTURE MAINTENANCE.
6. DOUBLE LAYER OF TAR PAPER BETWEEN CONCRETE BLOCK AND PLUG TO PERMIT EASY REMOVAL FOR FUTURE EXTENSION OF WATER MAIN WHERE REQUIRED.
7. JOINT RESTRAINTS CAN BE PROVIDED WHERE USE OF CONCRETE THRUST BLOCKING CANNOT BE USED BECAUSE OF OBSTRUCTIONS OR REQUIREMENTS IN THE SPECIFICATIONS. RESTRAINT DETAILS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

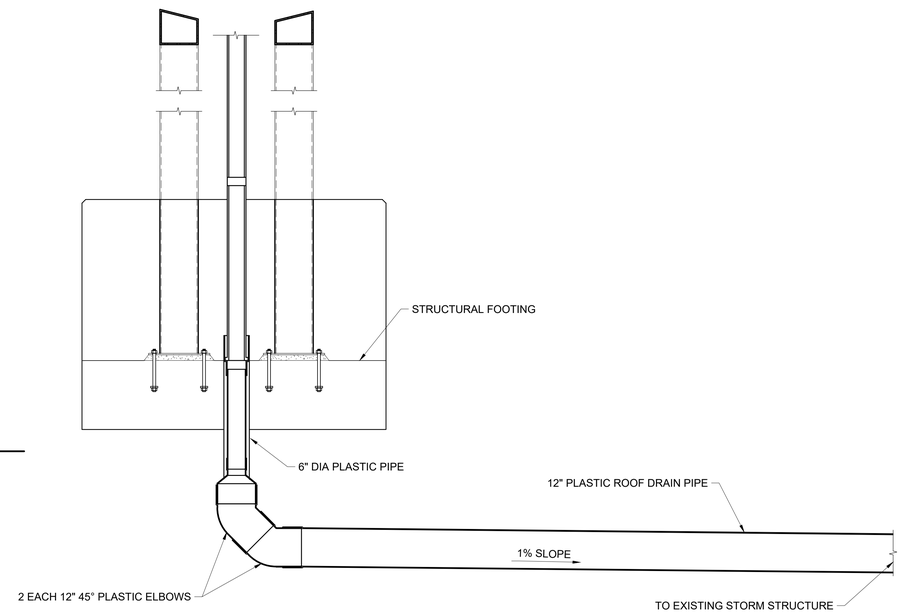
C1 THRUST BLOCK
SCALE: NTS



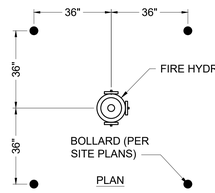
NOTES:

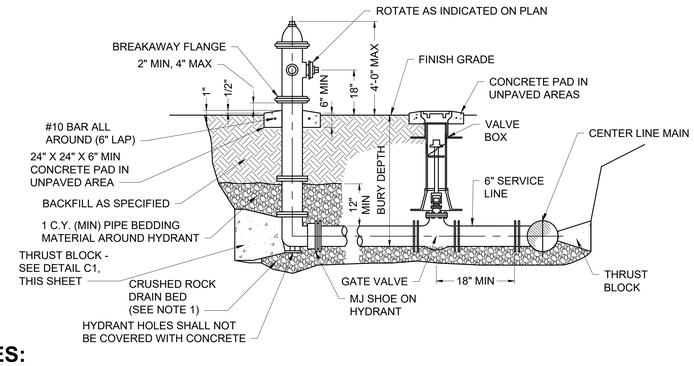
1. CORE CUT SHALL BE MADE WITHOUT SPALLING OR DAMAGE TO THE EXISTING STRUCTURE.
2. PIPE CONNECTION THROUGH MANHOLE WALL SHALL BE MADE WITH GROUTING RING GASKET AND NON-SHRINK GROUT.
3. EXISTING INVERT CHANNEL SHALL BE RE-SHAPED TO ACCOMMODATE NEW INVERT.

D2 PIPE CONNECTION TO EXISTING MANHOLE
SCALE: NTS



C4 ROOF DRAIN
SCALE: NTS

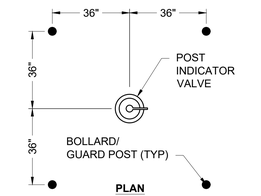


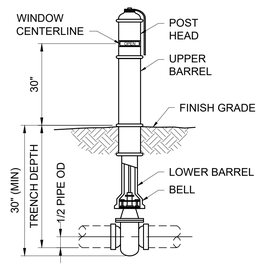


NOTES:

1. NOT LESS THAN 7 CUBIC FEET OF FREE-DRAINING BROKEN STONE GRAVEL SHALL BE PLACED AROUND AND BENEATH THE WASTE OPENING OF DRY BARREL HYDRANTS TO ENSURE DRAINAGE.
2. CONTRACTOR SHALL COORDINATE WITH CONTRACTING OFFICER FOR FIRE HYDRANT LOCKING MECHANISM (WHERE NEEDED).
3. ALL FIRE HYDRANTS LOCATED WITHIN AIRFIELD SECURITY FENCE SHALL BE LOW-PROFILE (24" - 30" MAX).
4. THE CONTRACTOR SHALL COORDINATE WITH CONTRACTING OFFICER PRIOR TO USING ANY FIRE HYDRANTS FOR CONSTRUCTION WATER.

A1 FIRE HYDRANT AND ISOLATION VALVE
SCALE: NTS





NOTE:

1. WHERE CONCRETE PAD IS REQUIRED, CONCRETE PAD SHALL BE 8" (MIN) THICK X 24" SQUARE (MIN).

A5 POST INDICATOR VALVE
SCALE: NTS

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. DORMAN
DRAWN BY: S. LUEHRS
CHECKED BY: K. ROBERTS
REVIEWED BY: R. BARUTH
SUBMITTED BY: SUBMITTER

US Army Corps of Engineers®

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

UTILITY DETAILS

PLOT SCALE: AS SHOWN | SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444-CS500.DWG
SHEET IDENTIFICATION: CU501
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-005
PROJECT NO.: WWYK190115
Sheet of

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GENERAL NOTES:

1. GENERAL:
   - A. THESE NOTES, AND OTHER DRAWING NOTES CONTAINED WITHIN, ARE PROVIDED TO MEET SPECIFIC REQUIREMENTS AND TO SUPPLEMENT THE CONTRACT SPECIFICATIONS. THESE NOTES NEITHER REPLACE NOR OVERRIDE THE PROVISIONS AND REQUIREMENTS OF THE CONTRACT SPECIFICATIONS.
   - B. CONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH WORK SHOWN ON ALL OTHER DRAWINGS.
   - C. CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION AND REPORT ANY DISCREPANCIES FROM THE CONTRACT OR REFERENCE DRAWINGS TO THE CONTRACTING OFFICER'S REPRESENTATIVE PRIOR TO COMMENCING WITH WORK. SCALING OF WORKING DIMENSIONS FROM THE STRUCTURAL DRAWINGS IS PROHIBITED.
   - D. CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING. CONTRACTOR SHALL UNDERTAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. VISITS TO THE SITE BY THE CONTRACTING OFFICER'S REPRESENTATIVE SHALL NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITY.
   - E. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE CONTRACT DRAWINGS OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR, WITH THE APPROVAL OF THE CONTRACTING OFFICER'S REPRESENTATIVE. WHERE SECTIONS VARY, CONTRACTOR SHALL PROVIDE FOR SMOOTH TRANSITIONS BETWEEN THEM, UNLESS NOTED OTHERWISE.
   - F. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS NOTED OTHERWISE.
   - G. ELEVATION 100'-0" CORRESPONDS TO EXISTING GROUND FLOOR TOP OF SLAB ELEVATION.

2. DESIGN STANDARDS
   - A. PRINCIPAL CODE OF RECORD: INTERNATIONAL BUILDING CODE 2015. (AS AMENDED BY UFC 3-301-01 CHANGE 3, 12 SEPT. 2016)
   - B. ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2010.
   - C. ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2014.
   - D. ACI 530/ASCE 5/TMS 402, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, 2013.
   - E. AISC 325, STEEL CONSTRUCTION MANUAL, 14th EDITION, 2011.
   - F. AISI COLD-FORMED STEEL DESIGN MANUAL, 2013.
   - G. AISC 360, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 2010.
3. SPECIAL INSPECTIONS
   - A. STATEMENT OF SPECIAL INSPECTIONS
     1. SEE SPECIFICATION 01 45 35.
4. DESIGN LOADS
   - A. RISK CATEGORY: II PER UFC 3-301-01.
   - B. LIVE LOADS
     1. FLOOR LIVE LOAD: 100 PSF OR A CONCENTRATED LOAD OF 2000 POUNDS UNIFORMLY DISTRIBUTED OVER AN AREA 2.5 FT SQUARE.
     2. ROOF LIVE LOAD: 20 PSF.
   - C. COLLATERAL LOADS:
     1. CEILINGS: 3 PSF.
     2. DUCTWORK: 4 PSF.
     3. FIRE PROTECTION PIPING: 3 PSF.
     4. LIGHTING AND ELECTRICAL: 2 PSF.
     5. SPRAY ON FIRE INSULATION: 3 PSF.
   - D. EQUIPMENT LOADS
     1. AS INDICATED FOR EQUIPMENT WEIGHING IN EXCESS OF 300 LBS. FRAMING AND FOUNDATIONS ARE DESIGNED FOR EQUIPMENT WHICH SATISFIES THE CONTRACT SPECIFICATIONS.
     2. THE HANGING DEAD LOAD APPLIED TO ANY STRUCTURAL MEMBER SHALL NOT EXCEED 300 LBS. PROVIDE TRAPEZE HANGERS TO DISTRIBUTE THE LOAD BETWEEN STRUCTURAL MEMBERS WHERE A HANGER EXCEEDS LIMITATIONS.
     3. THE ELEVATOR PITS AND SHAFTS HAVE BEEN ENGINEERED AND SIZED BASED ON MACHINE ROOM-LESS TRACTION ELEVATOR SYSTEM AND CAPACITY OF: 3,000 LB PASSENGER ELEVATORS, 5,000 LB SERVICE ELEVATOR. IF THE SYSTEM TYPES OR CAPACITIES SHOULD CHANGE, RE-DESIGN OF THE PITS AND SHAFTS WILL BE REQUIRED. COORDINATE MODIFICATIONS WITH CONTRACTING OFFICER AND ENGINEER / ARCHITECT.
     4. IF EQUIPMENT FURNISHED IS HEAVIER THAN THE WEIGHTS INDICATED, OR REQUIRES STRUCTURAL CHANGES FOR ANY OTHER REASON, CONTRACTOR SHALL PROVIDE ENGINEERING DESIGN CALCULATIONS AND ADDITIONAL STRUCTURAL WORK NECESSARY TO SUPPORT ALL LOADS IN ACCORDANCE WITH THE DESIGN STANDARDS SPECIFIED ABOVE, AT NO ADDITIONAL COST TO THE OWNER AND WITH NO INCREASE IN CONTRACT TIME.
   - G. SNOW LOAD
     1. GROUND SNOW LOAD: 10 PSF.
     2. EXPOSURE FACTOR: 1.0.
     3. THERMAL FACTOR: 1.0.
   - H. WIND LOAD
     1. ULTIMATE DESIGN WIND SPEED:
        - a. TYPICAL: 115 MPH 3-SECOND GUST.
        - b. SHELTER: 250 MPH 3-SECOND GUST.
     2. NOMINAL DESIGN WIND SPEED:
        - a. TYPICAL: 89 MPH 3-SECOND GUST.
        - b. SHELTER: 178 MPH 3-SECOND GUST.
     3. EXPOSURE CATEGORY: C.
     4. BUILDING CONDITION: TYPICAL-ENCLOSED, SHELTER-PARTIALLY ENCLOSED.
     5. TOPOGRAPHIC FACTOR: 1.0.
     6. WALL COMPONENTS AND CLADDING, INCLUDING GLAZING SYSTEMS AND LOUVERS, SHALL BE DESIGNED FOR THE FOLLOWING UNFACTORED WIND LOADS (PER ASCE 7-10), UNLESS NOTED OTHERWISE:
        - a. WITHIN 30'-0" OF CORNERS: 37 PSF INWARD, 68 PSF OUTWARD.
        - b. GREATER THAN 30'-0" FROM CORNERS: 37 PSF INWARD, 37 PSF OUTWARD.
     7. ROOF COMPONENTS AND CLADDING SHALL BE DESIGNED FOR THE FOLLOWING UNFACTORED WIND LOADS (PER ASCE 7-10), UNLESS NOTED OTHERWISE:
        - a. WITHIN 30'-0" OF CORNERS: 16 PSF INWARD, 115 PSF OUTWARD.
        - b. WITHIN 30'-0" OF EDGES: 16 PSF INWARD, 85 PSF OUTWARD.
        - c. GREATER THAN 30'-0" FROM EDGES: 16 PSF INWARD, 54 PSF OUTWARD.
     8. WALL COMPONENTS AT FEMA TORNADO SHELTER, INCLUDING GLAZING SYSTEMS AND LOUVERS, SHALL BE DESIGNED FOR THE FOLLOWING UNFACTORED WIND LOADS (PER ASCE 7-10), UNLESS NOTED OTHERWISE:
        - a. WITHIN 3'-6" OF CORNERS: 116 PSF INWARD, 455 PSF OUTWARD.
        - b. WITHIN 3'-6" OF EDGES: 116 PSF INWARD, 320 PSF OUTWARD.
        - b. GREATER THAN 3'-6" FROM CORNERS: 116 PSF INWARD, 211 PSF OUTWARD.

        IT IS ACCEPTABLE TO PROVIDE ENGINEERING ANALYSIS SIGNED AND SEALED BY A LICENSED ENGINEER TO JUSTIFY A LOWER WIND LOAD FOR SPECIFIC COMPONENTS.
     7. ROOF COMPONENTS AND CLADDING AT FEMA TORNADO SHELTER SHALL BE DESIGNED FOR THE FOLLOWING UNFACTORED WIND LOADS (PER ASCE 7-10), UNLESS NOTED OTHERWISE:
        - a. WITHIN 3'-6" OF CORNERS: 197 PSF INWARD, 210 PSF OUTWARD.
        - b. WITHIN 3'-6" OF EDGES: 197 PSF INWARD, 246 PSF OUTWARD.

        IT IS ACCEPTABLE TO PROVIDE ENGINEERING ANALYSIS SIGNED AND SEALED BY A LICENSED ENGINEER TO JUSTIFY A LOWER WIND LOAD FOR SPECIFIC COMPONENTS.
   - J. SEISMIC LOAD
     1. MAXIMUM CONSIDERED EARTHQUAKE SPECTRAL RESPONSE ACCELERATIONS Ss = 0.35, S1 = 0.09.
     2. DESIGN EARTHQUAKE SPECTRAL RESPONSE ACCELERATIONS Sds = 0.28, Sd1 = 0.102.
     3. SITE CLASS: C.
     5. SEISMIC DESIGN CATEGORY: B.
     7. RESPONSE MODIFICATION COEFFICIENT: R = 3.
     10. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE.
   - K. BLAST LOADS
     1. ROUTINE OCCUPANCY: PRIMARY GATHERING.
     2. LEVEL OF PROTECTION: LOW
     3. LOCATION: AT LEAST 200 FT WITHIN CONTROLLED PERIMETER.
     4. DESIGN BASIS OF THREAT: EXPLOSIVE WEIGHT II PER UFC 4-010-02 (FOUO).
     5. STANDOFF DISTANCES TO PARKING, ROADWAYS, AND TRASH CONTAINERS: SEE CIVIL DRAWINGS.
5. GEOTECHNICAL INFORMATION
   - A. SOURCE: SUBSURFACE EXPLORATION (FINAL), STANDARD TESTING. 12 JUNE 2018.
   - B. SITE PREPARATION
     1. EXCAVATION, FILL, AND BACKFILL SHALL BE IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS, DIVISION 31.
     2. CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER WHEN LOOSE OR SOFT SOILS ARE EXPOSED WHERE SLABS, MATS, OR FOOTINGS ARE TO BE PLACED SO THAT A DETERMINATION MAY BE MADE REGARDING IMPROVEMENT OF THIS POTENTIALLY UNDESIRABLE CONDITION.
     3. FOUNDATION DESIGN ASSUMES EXCAVATION DOES NOT EXTEND BELOW THE BEARING ELEVATION OF EXISTING DRILLED PIERS. DRILLED PIERS ARE ASSUMED TO BEAR AT ELEVATION OF 87'-0".
     4. WHERE NEW FOUNDATIONS ARE CONSTRUCTED INSIDE THE EXISTING BUILDING FOOTPRINT, THE SOIL SHALL BE TESTED TO CONFIRM IT MEETS THE COMPACTION AND INERT FILL MATERIAL REQUIREMENTS INDICATED IN SPECIFICATION 31 00 00. IF AREAS ARE ENCOUNTERED THAT DO NOT MEET THE COMPACTION AND INERT FILL MATERIAL REQUIREMENTS, THE SOIL SHALL BE REMOVED AND REPLACED WITH FILL IN ACCORDANCE WITH 31 00 00.
   - C. SOIL CHARACTERISTICS
     1. UNIT WEIGHT: 110 PCF.
     2. WATER TABLE DEPTH: 1.5 FT.
   - D. LATERAL EARTH PRESSURE
     1. AT-REST CONDITION, Ko: 0.66 PCF, EQUIVALENT FLUID.
     2. ACTIVE CONDITION, Ka: 0.49 PCF, EQUIVALENT FLUID.
     3. PASSIVE CONDITION, Kp: 2.03 PCF, EQUIVALENT FLUID.
   - E. SLAB, MAT, AND FOOTING DESIGN PARAMETERS
     1. MODULUS OF SUBGRADE REACTION: 140 PCI.
     2. ALLOWABLE BEARING CAPACITIES
        - a. GRAVITY LOADS: 2500 PSF.
        - b. TRANSIENT LOADS: 3125 PSF.
     3. FROST DEPTH: 24".
     4. CONCRETE-SOIL COEFFICIENT OF FRICTION: 0.35.
     5. MINIMUM STABILITY FACTORS OF SAFETY
        - a. OVERTURNING: 1.5.
        - b. UPLIFT: 1.5.
        - c. SLIDING: 1.5.
6. MATERIALS: SEE THE CONTRACT SPECIFICATIONS FOR COMPLETE REQUIREMENTS AND COMPLY WITH ALL APPLICABLE OSHA REGULATIONS
   - A. REINFORCED CONCRETE:
     1. REINFORCED CONCRETE SHALL BE PREPARED AND PLACED IN ACCORDANCE WITH ACI MANUAL OF CONCRETE PRACTICE.
     2. CONCRETE
        - a. UNLESS NOTED OTHERWISE: MINIMUM 28-DAY COMPRESSIVE STRENGTH f'c = 4500 PSI, NORMAL WEIGHT.
     3. FORMWORK
        - a. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN, ENGINEERING, STRUCTURAL ADEQUACY, AND CONSTRUCTION OF ALL CONCRETE FORMWORK IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
        - b. COORDINATE ALL CONCRETE WORK WITH THE PLACEMENT OF PIPING, INSERTS, FLOOR DRAINS, AND OTHER EMBEDDED ITEMS INDICATED ON THE CONTRACT DRAWINGS OR IN THE CONTRACT SPECIFICATIONS.
        - c. ALL NEW OR EXISTING PIPING OR UTILITIES PASSING THROUGH NEW CONCRETE SHALL BE SLEEVED 1/2" CLEAR ALL AROUND, UNLESS NOTED OTHERWISE. SEE OTHER DISCIPLINE DRAWINGS FOR SLEEVE DETAILS. CONTRACTOR SHALL PROVIDE MEASURES TO ENSURE THAT SLEEVES REMAIN FREE OF DEBRIS AND WATER DURING CONSTRUCTION.
        - d. PROVIDE 3/4" CHAMFER STRIPS ON ALL EDGES OF EXPOSED CONCRETE, UNLESS NOTED OTHERWISE.
        - e. WITH THE EXPLICIT PRIOR APPROVAL IN WRITING OF THE CONTRACTING OFFICER'S REPRESENTATIVE, COLUMN AND WALL FOOTINGS MAY BE EARTH-FORMED USING UNDISTURBED NATIVE SOIL. PROVIDE A MINIMUM EXCAVATION WIDTH 4" GREATER THAN INDICATED, AND A DEPTH 2" GREATER THAN INDICATED.
     4. REINFORCING STEEL
        - a. BARS: ASTM A615 GRADE 60.
        - b. WELDED WIRE REINFORCEMENT: ASTM A1064.
        - c. ALL CONCRETE SHALL BE REINFORCED UNLESS SPECIFICALLY MARKED "NOT REINFORCED" OR "UNREINFORCED".
        - d. CONTRACTOR SHALL DETAIL AND PLACE ALL REINFORCEMENT IN ACCORDANCE WITH ACI SP-66, ACI 301, ACI 318, AND CRSI MANUAL OF STANDARD PRACTICE.
        - e. MINIMUM CONCRETE CLEAR COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
          - (1) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3".
          - (2) CONCRETE EXPOSED TO EARTH OR WEATHER: #6 THROUGH #11 BARS - 2"; #5 AND SMALLER BARS, WELDED WIRE FABRIC - 1 1/2".
          - (3) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND: SLABS AND WALLS - 3/4"; BEAMS AND COLUMNS, PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS - 1 1/2".
        - f. EMBEDMENT AND LAP SPLICE LENGTHS FOR ALL REINFORCING STEEL BARS SHALL CONFORM TO THE TABLES SHOWN ON S-005.
        - g. PROVIDE ADDITIONAL REINFORCEMENT AT ALL OPENINGS AND CORNER BARS AT ALL INTERSECTING GRADE BEAMS, WALLS, AND CURBS IN ACCORDANCE WITH THE STANDARD DETAILS ON S-005, UNLESS NOTED OTHERWISE.
     5. JOINTS
        - a. LOCATE ALL CONSTRUCTION, CONTRACTION, ISOLATION, EXPANSION, AND OTHER JOINTS AS INDICATED OR SPECIFIED, OR OTHERWISE APPROVED BY THE OWNER CONTRACTING OFFICER.
        - b. SURFACES OF ALL HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS SHALL BE CLEANED OF LAITANCE AND SHALL EXPOSE CLEAN COARSE AGGREGATE SOLIDLY EMBEDDED IN MORTAR MIX. JUST PRIOR TO DEPOSITING CONCRETE, SURFACE OF CONSTRUCTION JOINT SHALL BE THOROUGHLY CLEANED AND WETTED.
        - c. THESE PROVISIONS SHALL ALSO APPLY WHEN NEW CONCRETE IS PLACED AGAINST EXISTING CONCRETE. IN ADDITION, EXISTING CONCRETE SURFACE SHALL BE ADEQUATELY PREPARED BY APPLICATION OF A BONDING AGENT.
        - d. PROVIDE WATERSTOPS AT CONCRETE JOINTS WHERE INDICATED ON THE CONTRACT DRAWINGS.
     6. DEMO AND REPAIR
        - a. SAWCUT ALL SLAB DEMO PRIOR TO JACK HAMMER DEMOLITION. PERIMETER OF SLAB DEMO SHALL BE STRAIGHT AND CLEAN.
        - b. REPAIR SLAB SPALL IN ACCORDANCE WITH 03 30 00.00 10.
   - C. REINFORCED MASONRY:
     1. SEE S-008 FOR REINFORCED MASONRY NOTES AND DETAILS.
   - D. STRUCTURAL STEEL:
     1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, 14th EDITION.
     2. TEMPORARY ERECTION BRACING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR AS REQUIRED AND SHALL NOT BE REMOVED UNTIL ALL PERMANENT LATERAL-LOAD-RESISTING ELEMENTS AND CONNECTIONS ARE COMPLETELY INSTALLED.
     3. WIDE FLANGE SHAPES AND TEES: ASTM A992, Fy = 50 KSI.
     4. OTHER SHAPES, PLATES, AND THREADED RODS
        - a. ASTM A36, Fy = 36 KSI, UNLESS NOTED OTHERWISE.
        - b. ASTM A572 GRADE 50, Fy = 50 KSI, WHERE INDICATED AS "(50)".
     5. SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE C, Fy = 50 KSI.
     6. ROUND HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE C, Fy = 46 KSI.
     7. PIPE: ASTM A53 TYPE E OR S, GRADE B, Fy = 35 KSI.
     8. BOLTS
        - a. 3/4" DIAMETER ASTM F3125, GRADE A325, UNLESS NOTED OTHERWISE.
        - b. CONNECTIONS: PRETENSIONED JOINTS WITH STANDARD HOLES, UNLESS NOTED OTHERWISE.
        - d. SLIP-CRITICAL JOINTS SHALL HAVE CLASS A FAYING SURFACES WITH SLIP CHECKED AT THE FACTORED LOAD LEVEL.
        - e. ON ONE SIDE OF EACH DOUBLE CONNECTION OF BEAMS TO A COLUMN WEB OR A GIRDER WEB DIRECTLY OVER A COLUMN, PROVIDE A TEMPORARY SEAT ANGLE ATTACHED TO COLUMN OR GIRDER WEB AND TO BOTTOM FLANGE OF BEAM. MINIMUM SEAT CONNECTION SHALL BE L4x3x3/8 LLH WITH TWO 3/4" DIAMETER A307 OR A325-ST BOLTS EACH LEG. SINGLE AND DOUBLE STAGGERED CONNECTIONS ARE PROHIBITED WITHOUT THE EXPLICIT PRIOR APPROVAL IN WRITING OF THE STRUCTURAL ENGINEER OF RECORD.
     9. WELDING: IN ACCORDANCE WITH AWS D1.1 USING E70 ELECTRODE WITH LOW HYDROGEN WHERE REQUIRED.
     10. ALL DOUBLE ANGLE MEMBERS SHALL HAVE SPACER PLATES TO COMPLY WITH AISC PARAGRAPH E6.2.
        - a. THICKNESS: TO MATCH END GUSSET PLATES.
        - b. MINIMUM ATTACHMENT: CONNECT TO BACK-TO-BACK LEGS OF ANGLES USING ONE 3/4" DIAMETER A325-ST BOLT.
     11. HEADED STUDS
        - a. COLD-FINISHED STEEL CONFORMING TO ASTM A108, GRADE 1015 OR 1020, Fu = 65 KSI.
        - b. ALL STUDS LOCATED SO AS TO OBSTRUCT WALKING SURFACES OF BEAMS OR JOISTS SHALL BE FIELD INSTALLED.
        - c. PROVIDE 3/4" DIAMETER X 3 1/2" LONG, UNO.
     12. ANCHOR BOLTS
        - a. ASTM F1554 GRADE 55, WELDABLE, UNLESS SPECIFICALLY NOTED.
        - b. LOCATE ANCHOR BOLTS ACCURATELY, SET WITH TEMPLATES, AND SECURELY HOLD IN POSITION WHILE PLACING CONCRETE. PROTECT IN-PLACE ANCHOR BOLTS FROM CONSTRUCTION ACTIVITY.
        - c. THE FOLLOWING ARE PROHIBITED WITHOUT THE EXPLICIT PRIOR APPROVAL IN WRITING OF THE STRUCTURAL ENGINEER OF RECORD:
          - (1) INSERTING ANCHOR BOLTS INTO FRESH OR PARTIALLY HARDENED CONCRETE.
          - (2) SUBSTITUTING POST-INSTALLED ANCHORS WHERE EMBEDDED ANCHOR BOLTS ARE INDICATED.
          - (3) REPAIRING, REPLACING, OR MODIFYING INSTALLED ANCHOR BOLTS.
     13. GROUT: CEMENTITIOUS NONSHRINK. MINIMUM 28-DAY COMPRESSIVE STRENGTH = 5000 PSI.
   - F. STEEL DECK:
     1. STEEL DECK, ATTACHMENTS, AND ACCESSORIES SHALL BE DESIGNED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH SDI MANUALS AND AISI COLD-FORMED STEEL DESIGN MANUAL.
     2. ROOF DECK
        - a. TYP UNO: 1 1/2", 20 GAGE, WIDE RIB WITH Fy = 33 KSI, Imin = 0.19 IN^4/FT, Smin = 0.22 IN^3/FT, GALVANIZED G90.
        - b. EXTERIOR ENTRY CANOPY: 1 1/2", 20 GAGE, ACCOUSTICAL DECK (UNFILLED) WITH Fy = 33 KSI, Imin = 0.357 IN^4/FT, Smin = .301 IN^3/FT, GALVANIZED G90.
     3. COMPOSITE FLOOR DECK
        - a. TYP UNO: 2", 20 GAGE, WITH Fy = 33 KSI, Imin = 0.40 IN^4/FT, Smin = 0.34 IN^3/FT, GALVANIZED, G60.
     3. ALL STEEL DECK SHALL CROSS A MINIMUM OF TWO SPANS. MINIMUM LENGTH OF END LAPS FOR ROOF DECK AND BEARING AT ALL SUPPORTS SHALL BE 2".
     4. ALL STEEL DECK SHALL BE SUPPORTED AT EDGES OF OPENINGS AND AROUND COLUMNS. ADDITIONAL SUPPORT STEEL SHALL BE PROVIDED BY CONTRACTOR AS REQUIRED AND FABRICATED SO THAT DECK RUNS CONTINOUSLY OVER MINOR OPENINGS, WHICH SHALL NOT BE CUT UNTIL NEEDED BY OTHER TRADES.
     5. MINIMUM STEEL ROOF DECK ATTACHMENT SHALL BE AS FOLLOWS:
        - a. DECK SHALL BE FASTENED AT EACH END AND AT INTERMEDIATE SUPPORTS BY #12 SCREWS, 36/4 PATTERN.
        - b. SIDE LAP CONNECTIONS SHALL BE MADE AT SEAMS USING #10 SCREWS, 4 PER SPAN.
        - c. CONNECTIONS ALONG SIDE BOUNDARIES, RIDGE PLATES, AND ROOF SUB FRAMING SHALL BE MADE AT 12" ON CENTER MAXIMUM.
        - d. PNEUMATIC FASTENERS AND/OR SCREWS SHALL NOT BE SUBSTITUTED WHERE WELDS ARE SPECIFIED, BUT MAY BE USED IN TEMPORARY ATTACHMENT OF STEEL DECK.
     6. MINIMUM COMPOSITE FLOOR DECK ATTACHMENT SHALL BE AS FOLLOWS:
        - a. DECK SHALL BE FASTENED AT EACH END AND AT INTERMEDIATE SUPPORTS BY 5/8" PUDDLE WELDS, 36/4 PATTERN.
        - b. SIDE LAP CONNECTIONS SHALL BE MADE AT SEAMS USING WELDED SIDE LAPS, 4 PER SPAN.
        - c. CONNECTIONS ALONG SIDE BOUNDARIES, RIDGE PLATES, AND ROOF SUB FRAMING SHALL BE MADE AT 12" ON CENTER MAXIMUM.
        - d. PNEUMATIC FASTENERS AND/OR SCREWS SHALL NOT BE SUBSTITUTED WHERE WELDS ARE SPECIFIED, BUT MAY BE USED IN TEMPORARY ATTACHMENT OF STEEL DECK.
     7. NOTHING SHALL BE SUSPENDED DIRECTLY FROM THE ROOF DECK UNLESS APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD.
     8. DECK DEMOLITION:
        - a. WHERE INDICATED BY CONTRACTING OFFICER TO REPLACE EXISTING METAL DECK, DEMOLISH DECK BACK TO CENTERLINE OF BEAM.
        - b. OVERLAP NEW DECK WITH EXISTING DECK 3".
        - c. PROVIDE DECK IN ACCORDANCE WITH THE REQUIREMENTS LISTED ABOVE.
   - G. COLD-FORMED STEEL FRAMING:
     1. COLD-FORMED STEEL FRAMING SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH AISI COLD-FORMED STEEL DESIGN MANUAL AND SSMA OR LGSI PUBLICATIONS AS APPLICABLE.
     2. SUPPLIER SHALL DESIGN AND DETAIL ALL ENGINEERED COLD-FORMED METAL FRAMING ELEMENTS, INCLUDING CONNECTIONS, MEMBERS FOR WHICH SIZES ARE NOT INDICATED ON THE DRAWINGS AND ANY TEMPORARY AND PERMANENT BRACING, FOR LOADS BASED ON THE CRITERIA GIVEN ON THIS SHEET. LOADS SHALL INCLUDE GRAVITY, WIND, SEISMIC AND ANTITERRORISM LOADS AS INDICATED.
     3. SHAPE DESIGNATIONS FOR STUDS, JOISTS, TRACK, CHANNELS, AND FURRING CHANNELS: PER SSMA PRODUCT TECHNICAL INFORMATION, INDICATING MEMBER DEPTH, STYLE, FLANGE WIDTH, AND MATERIAL THICKNESS.
     4. FRAMING MEMBERS
        - a. ASTM A653 GRADE 33, Fy = 33 KSI, UNLESS NOTED OTHERWISE.
        - b. ASTM A653 GRADE 50, Fy = 50 KSI, FOR MATERIAL THICKNESS 54 MILS OR GREATER AND WHERE INDICATED AS "(50)".
     5. FINISH
        - a. HOT-DIP GALVANIZE TO PROVIDE A COATING CLASS OF G90.
     6. MECHANICAL FASTENERS: CORROSION-RESISTANT-COATED, SELF-DRILLING, SELF-THREADING STEEL DRILL SCREWS WITH LOW PROFILE HEADS BENEATH SHEATHING AND MANUFACTURER'S STANDARD HEADS ELSEWHERE.
     7. BOLTS: ASTM A307.
     8. WELDING: IN ACCORDANCE WITH AWS D1.1 OR D1.3, AS APPLICABLE.

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

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REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GENERAL NOTES

PLOT SCALE: AS NOTED | SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-001.DWG
SHEET IDENTIFICATION: S-001
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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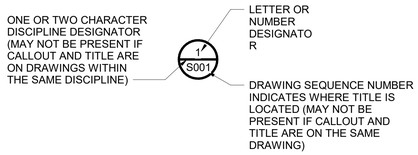
ABBREVIATIONS:

#	POUNDS OR NUMBER
%	PERCENT
&	AND
@	AT
AA	ALUMINUM ASSOCIATION
AB	ANCHOR BOLT
ABT	ABOUT
ACI	AMERICAN CONCRETE INSTITUTE
ADH	ADHESIVE
AGGR	AGGREGATE
AHR	ANCHOR
AISI	AMERICAN IRON AND STEEL INSTITUTE
AL	ALUMINUM
ALTN	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASTM	AMERICAN SOCIETY FOR TESTING OF MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/P	BASE OF PIER
BC	BOLT CIRCLE
BETW	BETWEEN
BLDG	BUILDING
BM	BEAM
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRG	BEARING
BRKT	BRACKET
C/C	CENTER TO CENTER
CAP	CAPACITY
CF	CUBIC FEET
CHKR	CHECKER
CIR	CIRCLE
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLJ	CONTROL JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CONCRETE OPENING
COD	CENTER ON DOOR
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CONTR	CONTRACT
COORD	COORDINATE
COR	CORNER
COTR	CONTRACTING OFFICER
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CTR	CENTER
CTRD	CENTERED
CY	CUBIC YARD
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DK	DECKING
DL	DEAD LOAD
DN	DOWN
DWG	DRAWING
DWL	DOWEL
E	EAST
EA	EACH
ED	EQUIPMENT DRAIN
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDMENT
EQ	EQUAL
EQ SP	EQUALLY SPACED
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FAB	FABRICATE
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FAR FACE
FL	FLOOR
FLG	FLANGE
FNSH	FINISH
FS	FAR SIDE
FT	FEET
FTG	FOOTING
FUT	FUTURE
GA	GAGE
GALV	GALVANIZE
GB	GRADE BEAM
GHSE	GREENHOUSE
GND	GROUND
GR	GRADE
GRTG	GRATING
H	SLAB THICKNESS
HDHSE	HEADHOUSE
HEF	HORIZONTAL EACH FACE
HEX	HEXAGON
HG	HIGH
HH	HEADHOUSE
HK	HOOK
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HAND RAIL
HS	HIGH STRENGTH
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IJ	ISOLATION JOINT
IN	INCHES
INTR	INTERIOR
INVT	INVERT
IR	INSIDE RADIUS
JT	JOINT
KB	KNEE BRACE
KPL	KICK PLATE
KSI	KIPS PER SQUARE INCH
L	ANGLE
LAD	LADDER
LB	POUND
LD	DEVELOPMENT LENGTH
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLO	LONG LEG OUTSTANDING
LLV	LONG LEG VERTICAL
LNTL	LINTEL
LONG	LONGITUDINAL
LPT	LOW POINT
LS	LAP SPLICE
LSL	LONG SLOTS
LVL	LEVEL
MATL	MATERIAL
MAX	MAXIMUM
MC	MOMENT CONNECTION
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MK	MARK
MO	MASONRY OPENING
N	NORTH
NA	NOT APPLICABLE
NE	NORTHEAST
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OZ	OUNCE
PCF	POUNDS PER CUBIC FOOT
PED	PEDESTAL
PEMP	PRE-ENGINEERED METAL BUILDING
PEN	PENETRATE
PERIM	PERIMETER
PERP	PERPENDICULAR
PJNT	PROJECTION
PL	PLATE
PLC	PLACES
PREFAB	PREFABRICATED
PS	PIPE SUPPORT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRETENSIONED
PVC	POLYVINYL CHLORIDE
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCE
REQD	REQUIRED
REV	REVISION
RM	ROOM
S	SOUTH
SB	SHEAR BAR
SC	SLIP-CRITICAL
SCHED	SCHEDULE
SE	SOUTHEAST
SECT	SECTION
SF	SWAY FRAME
SH	SHEET
SIM	SIMILAR
SLO	SHORT LEG OUTSTANDING
SLP	SLOPE
SLV	SLEEVE
SP	SPACE
SPEC	SPECIFICATION
SQ	SQUARE
SST	STAINLESS STEEL
ST	SNUG-TIGHTENED
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STR	STRAIGHT
STRL	STRUCTURAL
STRUC	STRUCTURAL
SW	SOUTHWEST
SYMM	SYMMETRICAL
T	TON
T&B	TOP AND BOTTOM
T/	TOP OF
T/C OR TOC	TOP OF CONCRETE
T/P	TOP OF PIER
T/STL OR TOS	TOP OF STEEL
TEMP	TEMPORARY
THD	THREAD
THK	THICK
THRU	THROUGH
TOB	TOP OF BOLT
TOG	TOP OF GRATING
TOS OR T/S	TOP OF STEEL
TRD	TREAD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VEF	VERTICAL EACH FACE
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WD	WIDE
WDT	WIDTH
WP	WORK POINT
WS	WATERSTOP
WT	WEIGHT
WWF	WELDED WIRE FABRIC
XX	X-BRACING

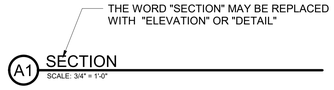
CALLOUT IDENTIFICATION



SECTION CALLOUT EXAMPLE | DETAIL CALLOUT EXAMPLE | ELEVATION CALLOUT EXAMPLE



SECTION, DETAIL, AND ELEVATION SYMBOL IDENTIFIERS



SECTION, DETAIL, OR ELEVATION TITLE EXAMPLE

SECTION, DETAIL, AND ELEVATION IDENTIFICATION SYSTEM

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

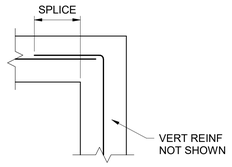
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

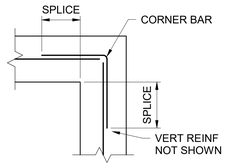
LEGEND & ABBREVIATIONS

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-002.DWG
SHEET IDENTIFICATION: S-002
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

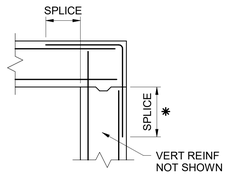
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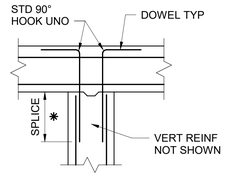
PLAN
OPTION #1



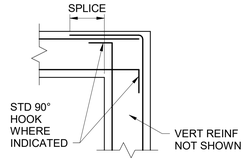
PLAN
OPTION #2



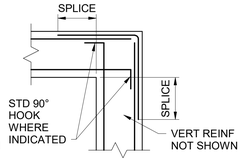
ELEVATION



ELEVATION

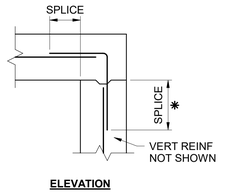


PLAN
OPTION #1

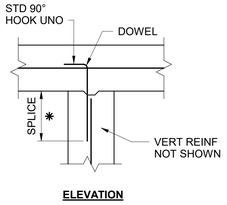


PLAN
OPTION #2

HORIZONTAL WALL REINFORCEMENT DETAILS
CORNERS
SEE CORNER REINFORCEMENT NOTE 1



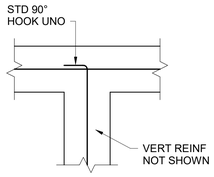
ELEVATION



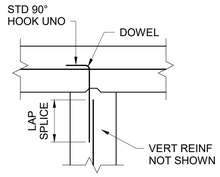
ELEVATION

VERTICAL WALL TO SLAB CORNER
AND INTERSECTION REINFORCEMENT DETAILS
SEE CORNER REINFORCEMENT NOTE 3

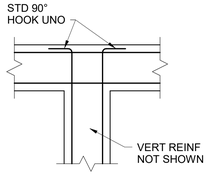
STANDARD REINFORCEMENT DETAILS



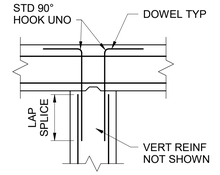
PLAN
WITHOUT CJ



PLAN
WITH CJ



PLAN
WITHOUT CJ

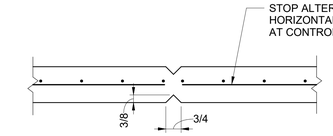


PLAN
WITH CJ

HORIZONTAL WALL REINFORCEMENT DETAILS
INTERSECTIONS
SEE CORNER REINFORCEMENT NOTE 2

CORNER REINFORCEMENT NOTES:
1. UNLESS OTHERWISE INDICATED, THE CONTRACTOR HAS THE OPTION OF REINFORCING CORNERS IN ACCORDANCE WITH OPTION #1 OR OPTION #2.
2. UNLESS OTHERWISE INDICATED, THE CONTRACTOR HAS THE OPTION OF CONSTRUCTING INTERSECTIONS WITH OR WITHOUT CONSTRUCTION JOINTS. REINFORCE PER APPLICABLE DETAIL.
3. ✱ INDICATES CONTRACTOR OPTION: WITH OR WITHOUT LAP SPLICE AT THESE LOCATIONS.

B1 STANDARD REINF DETAILS
SCALE:NTS



NOTE:
PROVIDE CONTROL JOINTS IN CONCRETE STEM WALLS AT 20'-0" MAX.
MAXIMUM LENGTH WALL POUR BETWEEN CONSTRUCTION JOINTS 100'-0"

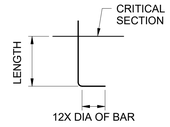
D3 TYP CONCRETE STEM WALL CONTROL JOINT
SCALE:NTS

B = EMBEDDED LENGTH
D = BOLT DIAMETER
E = THREAD LENGTH
K = THREADS (2D+2")
P = BOLT PROJECTION

SCHEDULE			
D	B	E	REMARKS
3/8"	5"	5"	
1/2"	6"	6"	
5/8"	8"	7"	
3/4"	10"	9"	
7/8"	1'-0"	11"	
1"	1'-2"	1'-1"	

B3 TYPE V ANCHOR BOLT
SCALE:NTS

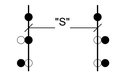
REINFORCING DEVELOPMENT LENGTHS TYPE A = 4500psi					
BAR SIZE	DEVELOPMENT LENGTH		SPLICE LENGTH		HOOK LENGTH
	OTHER	TOP	OTHER	TOP	
#3	1' - 1"	1' - 5"	1' - 5"	1' - 11"	7"
#4	1' - 6"	1' - 11"	1' - 11"	2' - 6"	9"
#5	1' - 10"	2' - 5"	2' - 5"	3' - 2"	11"
#6	2' - 3"	2' - 11"	2' - 11"	3' - 9"	1' - 1"
#7	3' - 3"	4' - 3"	4' - 3"	5' - 6"	1' - 4"
#8	3' - 9"	4' - 10"	4' - 10"	6' - 4"	1' - 6"
#9	4' - 2"	5' - 6"	5' - 6"	7' - 1"	1' - 8"
#10	4' - 9"	6' - 2"	6' - 2"	8' - 0"	1' - 11"
#11	5' - 3"	6' - 10"	6' - 10"	8' - 11"	2' - 1"
#14	6' - 4"	8' - 2"	8' - 2"	10' - 8"	2' - 6"
#18	8' - 5"	10' - 11"	10' - 11"	14' - 3"	3' - 4"

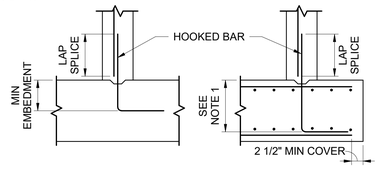




RADIUS OF HOOK:
4x DIA OF BAR - #3 TO #8 BARS
5x DIA OF BAR - #9 TO #11 BARS
6x DIA OF BAR - #14 & #18 BARS

TYPICAL REINFORCING NOTES:
1. REINFORCING BAR DEVELOPMENT AND LAP SPLICE LENGTHS SHALL BE AS SHOWN IN THESE TABLES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
2. THE LENGTHS SHOWN IN THE TABLES ARE BASED ON THE FOLLOWING CONCRETE COVERAGE AND REINFORCING C-C SPACING:
   BEAMS OR COLUMNS: COVER ≥ 1.0bd (BAR DIAMETER)
   CENTER TO CENTER (C-C) SPACING ≥ 2.0bd
   ALL OTHERS: COVER ≥ 1.0bd
   CENTER TO CENTER SPACING ≥ 3.0 bd
3. TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE. VERTICAL BARS MAY BE CLASSIFIED AS OTHER.
4. THE DEVELOPMENT AND SPLICE LENGTHS SHOWN SHALL NOT APPLY IF ANY OF THE FOLLOWING CONDITIONS OCCUR:
   A) f'c < 4000 psi
   B) fy > 60,000 psi
   C) THE COVER OR C-C BAR SPACING IS NOT AS LISTED ABOVE.
   D) THE REINFORCING STEEL IS EPOXY COATED.
   E) LIGHT WEIGHT CONCRETE IS USED.
5. WHERE BAR SPLICES ARE STAGGERED SUCH THAT ONE-HALF OR LESS OF TOTAL REINFORCEMENT IS SPLICED WITHIN REQUIRED LAP LENGTH. SPLICE LENGTH MAY EQUAL DEVELOPMENT LENGTH.
6. CENTER TO CENTER SPACING(S) IS DEFINED AS BELOW:

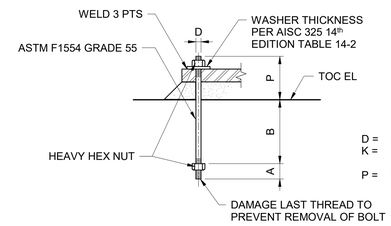




DETAIL 1 **DETAIL 2**

DEVELOPMENT LENGTH NOTES:
1. WHERE DWGS ARE DETAILED SIMILIAR TO DETAIL 2, EXTEND THE EMBEDMENT LENGTH SUCH THAT THE HOOKED BAR CONTACTS THE LAYER OF MAIN REINFORCING SHOWN.
2. EMBEDMENT LENGTHS IN CHART ARE TYPICAL EXCEPT AS NOTED IN DETAIL 2, OR AS INDICATED ON DRAWINGS.

C4 TYPICAL REINFORCING DEVELOPMENT AND SPLICES
SCALE:NTS



D = BOLT DIAMETER
K = THREADS (2D+3" SINGLE NUT)
THREADS (3D+3" DOUBLE NUTS)
P = BOLT PROJECTION

SCHEDULE			
D	A*	B	REMARKS
3/8"	2"	6"	
1/2"	2"	7"	
5/8"	2"	8"	
3/4"	2"	8"	
7/8"	3"	1'-1"	
1"	3"	1'-1"	
1 1/2"	4"	1'-1"	

NOTE:
1. * NOT REQUIRED FOR MACHINE BOLTS
2. FULLY THREADED RODS ARE NOT PERMITTED.
3. MACHINE BOLTS SHALL CONFORM TO ASTM F1554, GRADE 55, WELDABLE.

B5 TYPE VII ANCHOR BOLT
SCALE:NTS

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

US Army Corps of Engineers

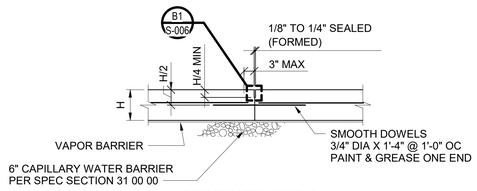
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

STANDARD CONCRETE DETAILS

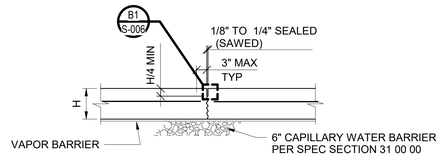
PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-005.DWG
SHEET IDENTIFICATION: S-005
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

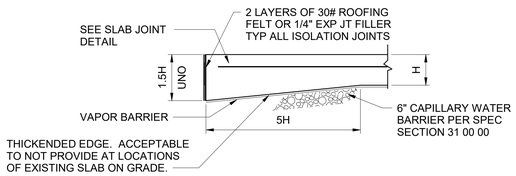
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CONSTRUCTION JOINT (CJ)



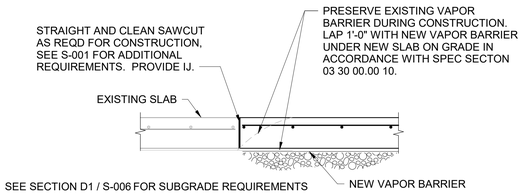
CONTRACTION JOINT (CTJ)



ISOLATION JOINT (IJ) AT SLAB EDGE

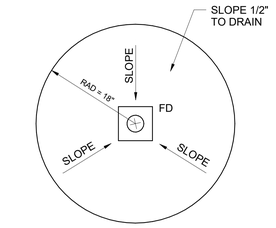
NOTE: DISCONTINUE REINFORCEMENT AT JOINT UNO

D1 SLAB ON GRADE JOINTS
SCALE:NTS

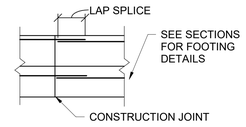


E2 NEW SLAB ON GRADE AT EXISTING DEMO SLAB
SCALE: 1" = 1'-0"

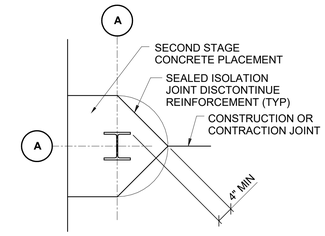
0 1/2" 1' 2'



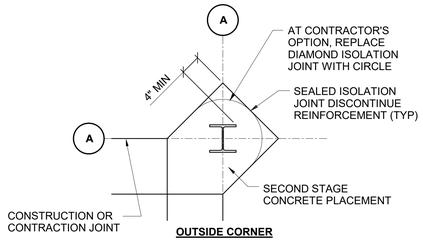
D2 TYPICAL FLOOR DRAIN DETAIL
SCALE:NTS



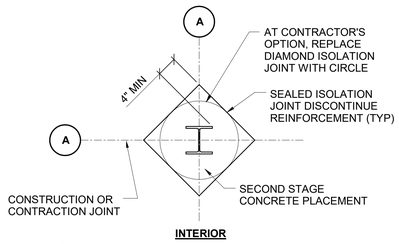
E3 TYPICAL CONSTRUCTION JOINT
SCALE:NTS



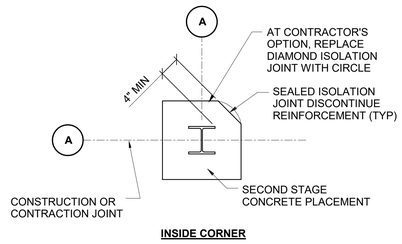
EXTERIOR



OUTSIDE CORNER



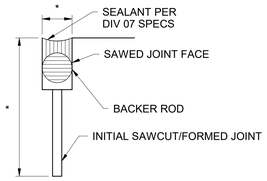
INTERIOR



INSIDE CORNER

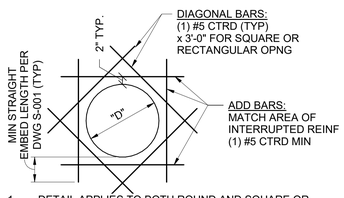
NOTE:
USE CIRCULAR OPTION WHERE
NO FLOOR JOINTS INTERSECT.

D4 COLUMN ISOLATION JOINT
SCALE:NTS



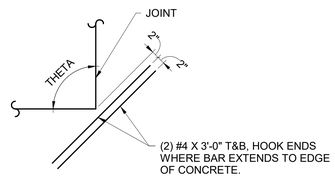
* SEE SLAB JOINT DETAIL

B1 DETAIL
SCALE:NTS



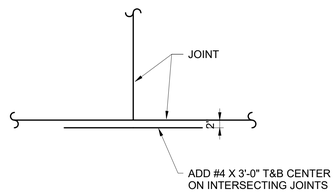
NOTES:
1. DETAIL APPLIES TO BOTH ROUND AND SQUARE OR RECTANGULAR OPNGS ("D" = HEIGHT OR WIDTH).
2. DIAG BARS ARE REQD FOR ALL OPNGS EXCEPT FLR DRAINS, BUT ADD BARS ARE NOT REQD WHERE NO REINF OR DECK FLUTES INTERRUPTED BY OPENING.
3. AT EXISTING SLAB, DRILL AND EPOXY DOWELS INTO EXISTING SLAB. LAP WITH NEW REINF.

B2 WALL/SLAB OPENING
SCALE:NTS

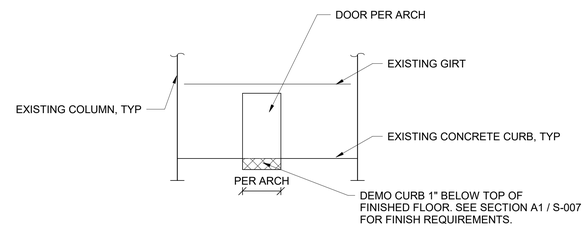


(FOR ANY THETA LESS THAN 170 DEGREES)

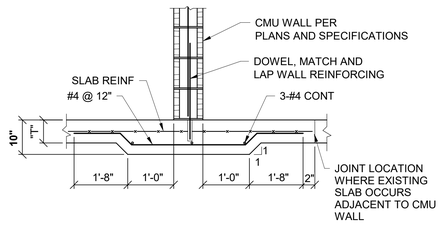
B3 TYPICAL RE-ENTRANT CORNER BARS IN SLAB
SCALE:NTS



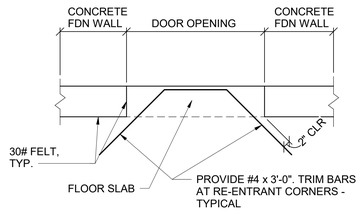
B4 TYPICAL ADD BARS AT INTERSECTING JOINTS
SCALE:NTS



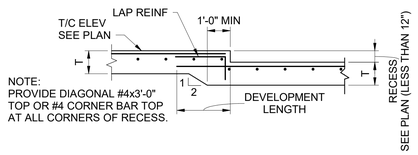
B5 TYPICAL CURB DEMO AT NEW DOORS
SCALE:NTS



A1 TYPICAL THICKENED SLAB AT CMU
SCALE:NTS



A2 TYPICAL SLAB REINFORCING AT DOOR OPENING
SCALE:NTS



NOTE:
PROVIDE DIAGONAL #4x3'-0"
TOP OR #4 CORNER BAR TOP
AT ALL CORNERS OF RECESS.

A3 TYPICAL SLAB RECESS
SCALE:NTS

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

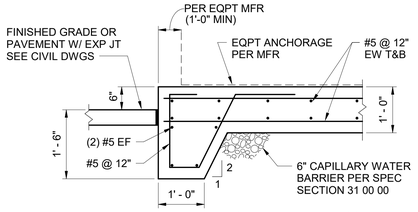
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

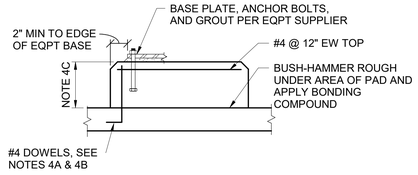
STANDARD CONCRETE DETAILS

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-006.DWG
SHEET IDENTIFICATION	S-006
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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EF-1
EXTERIOR EQUIPMENT PAD

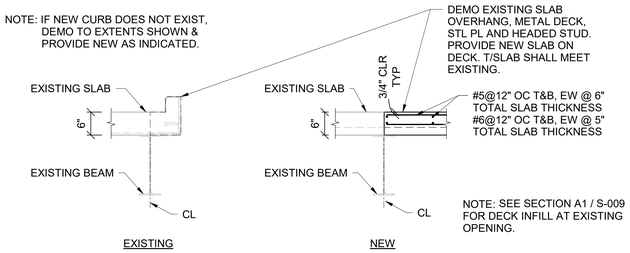


EP-1
INTERIOR EQUIPMENT PAD

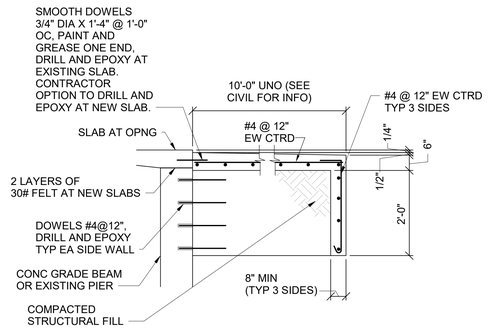
NOTES:

1. PROVIDE EP-1 FOR ALL INT EQPT AND FOR EXT EQPT ON CONC PAVEMENT. PROVIDE EF-1 FOR ALL OTHER EXT EQPT. SEE OTHER DISCIPLINE DRAWINGS FOR EQPT LOCATIONS. COORDINATE FINAL SIZE WITH OTHER DISCIPLINE DRAWINGS AND EQPT PROVIDED.
2. EQPT ANCHOR BOLTS SHALL BE STANDARD TYPE VII BOLTS, UNLESS OTHERWISE RECOMMENDED BY EQPT MFR.
3. EQPT SHALL BE GROUTED IN PLACE W/ NON-SHRINK GROUT UNLESS OTHERWISE RECOMMENDED BY EQPT MFR.
4. FOR EP-1 ONLY:
   A. PROVIDE NUMBER OF DOWELS TO MATCH TOTAL CROSS-SECTIONAL AREA OF ANCHOR BOLTS, EQUALLY SPACED AROUND PAD, EXCEPT THAT SPACING OF DOWELS SHALL NOT EXCEED 12".
   B. IF FLOOR SLAB OR PAVEMENT IS EXISTING OR CONSTRUCTED BEFORE DOWELS ARE PLACED, DOWELS SHALL BE EPOXY GROUTED INTO FLOOR SLAB OR PAVEMENT W/ 4 1/2" EMBED.
   C. HEIGHT OF PAD ABOVE SURROUNDING FLOOR SLAB OR PAVEMENT SHALL BE 4" MIN FOR PADS W/ 1" DIA OR SMALLER ANCHOR BOLTS, OR 6" MIN FOR PADS W/ ANCHOR BOLTS LARGER THAN 1" DIA.

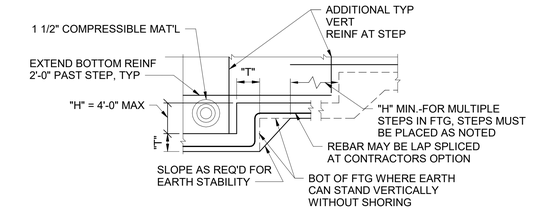
C1 EQUIPMENT PADS
SCALE: 3/4" = 1'-0"



D2 TYPICAL ELEVATED SLAB INFILL
SCALE: 3/4" = 1'-0"



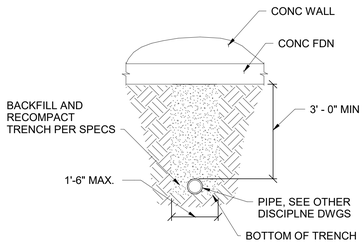
D4 EXTERIOR DOOR STOOP
SCALE:NTS



NOTES:

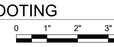
A. THIS DET. TO BE USED AS REQ'D TO DEPRESS FTG TO FIRM BRG, OR TO GET BELOW UNDERGROUND PIPING OR WHEREVER CHANGE IN FTG ELEVATION OCCURS. SEE DETAIL "MAX SLOPES BTWN ADJACENT FTGS" THIS SHEET, WHICH MAY REQ LOWERING OF FTG ELEVATION.
B. PLACE ALL CONC AGAINST UNDISTURBED SOIL. IF SOIL IS DISTURBED DURING CONC. PLACING, REPLACE DISTURBED SOIL WITH CONC.

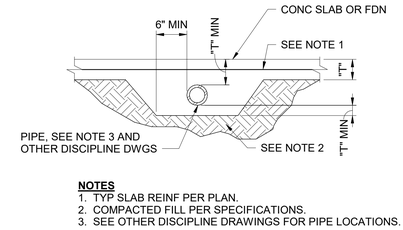
D5 TYPICAL STEP IN FOOTING
SCALE:NTS



GREATER THAN 3' - 0" BELOW FOUNDATION

C2 PIPE PASSING UNDER CONT FOOTING
SCALE: 6" = 1'-0"

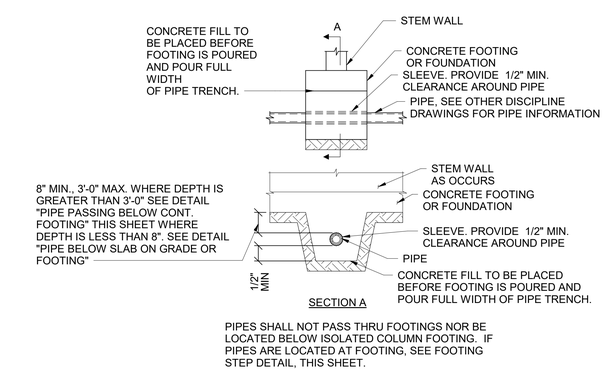




NOTES
1. TYP SLAB REINF PER PLAN.
2. COMPACTED FILL PER SPECIFICATIONS.
3. SEE OTHER DISCIPLINE DRAWINGS FOR PIPE LOCATIONS.

BELOW SLAB OR LESS THAN 8" BELOW FOUNDATION

C4 PIPE BELOW SLAB ON GRADE
SCALE:NTS

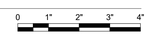


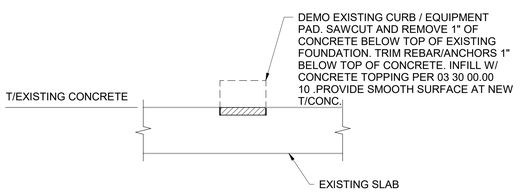
SECTION A

PIPES SHALL NOT PASS THRU FOOTINGS NOR BE LOCATED BELOW ISOLATED COLUMN FOOTING. IF PIPES ARE LOCATED AT FOOTING, SEE FOOTING STEP DETAIL, THIS SHEET.

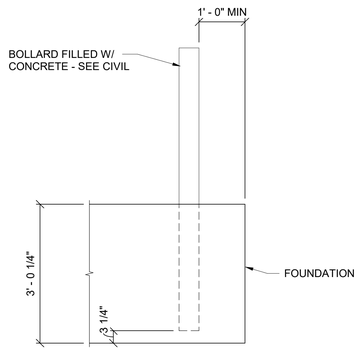
8" TO 3' - 0" BELOW FOUNDATION

C5 PIPE PASSING UNDER CONT FOOTING
SCALE: 6" = 1'-0"

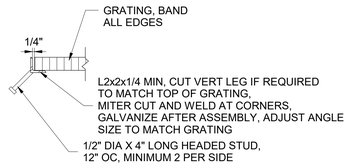




A1 TYPICAL EXISTING CURB/EQUIPMENT PAD DEMO
SCALE:NTS



A2 TYPICAL BOLLARD EMBEDDED IN STRUCTURAL FOOTING
SCALE: 3/4" = 1'-0"



A3 GRATING ANGLE SUPPORT
SCALE: 1 1/2" = 1'-0"

SYMBOL	REVISIONS	DATE	APPROVED

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

STANDARD CONCRETE DETAILS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-007.DWG
SHEET IDENTIFICATION: S-007
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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CONCRETE MASONRY UNIT (CMU) NOTES:

A. GENERAL
1. ENGINEERED MASONRY IS DESIGNED IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530/ ASCE 5/ TMS 402, 2013.
2. UNITS: ASTM C90, NORMAL WEIGHT EXCEPT OVEN-DRY WEIGHT SHALL NOT BE LESS THAN 125 PCF. COMPRESSIVE STRENGTH = 2000 PSI MINIMUM MORTAR: ASTM C270 TYPE S, PROPORTION METHOD ASSEMBLY/PRISM MINIMUM COMPRESSIVE STRENGTH, f'm = 2000 PSI GROUT: ASTM C476, MINIMUM COMPRESSIVE STRENGTH = 2000 PSI, SLUMP = 8" TO 11". REINFORCING STEEL BARS: ASTM 615 GRADE 60
3. FULLY GROUT ALL CELLS CONTAINING REINFORCING STEEL, ALL ELEVATOR SHAFT CMU, ALL SHELTER WALLS AND WHERE INDICATED ON DRAWINGS. PROVIDE MASONRY UNITS WITH MINIMUM SPACE IN CELLS TO RECEIVE GROUT OF 3"X3" AND ALIGN THESE CELLS TO PROVIDE UNOBSTRUCTED OPENINGS.
4. CONSOLIDATE GROUT IN ASSEMBLED WALLS BY MECHANICAL VIBRATION AT THE TIME OF PLACEMENT. RECONSOLIDATE GROUT BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED.
5. PLACE GROUT WITHIN 1 1/2 HOURS AFTER ADDING MIX-DESIGNED WATER AND PRIOR TO INITIAL SET. GROUT CONTINUOUSLY BETWEEN CONTROL JOINTS USING POUR HEIGHTS NOT EXCEEDING 12 FT AND LIFTS NOT EXCEEDING 5 FT, WITH NO INTERRUPTIONS EXCEEDING 1 HOUR.
6. USE FULL CONTACT LAP SPLICES FOR REINFORCING STEEL IN CMU. WHERE NO ADDITIONAL CACULATIONS ARE PERFORMED TO DETERMINED LAP SPLICE LENGTHS, PROVIDE AS FOLLOWS: #4 BARS: MINIMUM 27 INCHES #5 BARS: MINIMUM 34 INCHES #6 BARS: MINIMUM 54 INCHES
7. MINIMUM CLEAR DISTANCE TO ANY FACE OF MASONRY UNIT OR FORMED SURFACE: 1/2".
8. USE RUNNING BOND PATTERN, UNLESS INDICATED OTHERWISE.
9. PROVIDE LATERAL SUPPORT AT THE TOP OF WALLS, UNLESS INDICATED OTHERWISE. SEE NOTE E.
10. FULL MORTAR BEDDING SHALL BE EMPLOYED WHEN CONSTRUCTING PARTIALLY GROUTED MASONRY WALLS.
11. ARCHITECTURAL COMPONENTS SUCH AS SEALANT, FLASHING, ETC, ARE NOT ILLUSTRATED IN DETAILS. SEE ARCHITECTURAL DRAWINGS FOR THESE COMPONENTS.
13. MASONRY UNITS SHALL NOT BE FIELD MODIFIED UNLESS INTENDED TO BE MODIFIED.
14. U SHAPED BOND BEAMS SHALL BE USED AT WALL OPENING HEAD LOCATIONS.
15. KNOCK OUT BOND BEAMS SHALL BE USED AT WALL BOND BEAM LOCATIONS.
16. OPEN END MASONRY UNITS MAY BE USED TO FACILITATE WALL CONSTRUCTION.
17. DOUBLE OPEN END UNITS MAY BE USED WHEN WALL IS SOLID GROUTED.

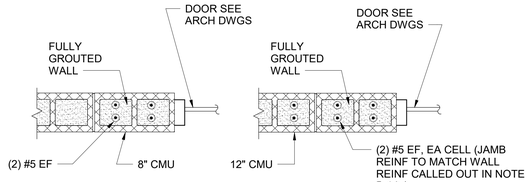
B. VERTICAL REINFORCING
1. REINFORCEMENT:
   a. UNLESS NOTED OTHERWISE INDICATED, PROVIDE (1) #5 VERTICAL CENTERED IN THE WALL AT 24" OC SPACING.
   b. 12" CMU WALL AT FREIGHT ELEVATOR, PROVIDE (2) #5 VERTICAL EACH FACE IN THE WALL AT 8" OC SPACING.
   c. 8" CMU AT SHELTER, PROVIDE (1) #6 VERTICAL CENTERED IN THE WALL AT 24" OC.
2. PROVIDE ADDITIONAL VERTICAL REINFORCEMENT AT EACH SIDE OF CONTROL JOINTS, AT INTERSECTION OF WALLS, AND AT EACH SIDE OF ALL MASONRY OPENINGS GREATER THAN 10" IN WIDTH. IN OPENINGS MORE THAN 24" PROVIDE ADDITIONAL VERTICAL REINFORCEMENT IN TWO ADJACENT CELLS ON EACH SIDE OF THE OPENING. ADDED VERTICAL REINFORCEMENT SHALL BE CONTINUOUS FOR THE FULL HEIGHT OF WALL UNO. SEE SECTION A3 / S-008 DETAIL ON THIS DWG.
3. EXTEND ALL VERTICAL BARS FROM THE BOTTOM COURSE THROUGH THE TOP MOST BOND BEAM.
4. PROVIDE VERTICAL REINFORCEMENT IN ALL CELLS UNDER AND ONE ON EACH SIDE IF A CONCRETE BEAM IS SUPPORTED BY MASONRY WALL (LOAD BEARING WALLS ONLY).

C. HORIZONTAL REINFORCING
1. CONSTRUCT BOND BEAMS USING 2-#5 HORIZONTAL UNO.
2. PROVIDE BOND BEAMS AT 1'-4" MAX VERTICAL SPACING WHERE NOT INDICATED ON DRAWING, OR AT OTHER ELEVATIONS AS INDICATED.
3. LOCATE BOND BEAMS AT THE BOTTOM-MOST COURSE AND THE TOP-MOST OR AT THE SECOND FROM TOP-MOST COURSE AS PRACTICAL TO PROVIDE CONT BEAM.
4. PROVIDE BOND BEAM BELOW ALL MASONRY OPENINGS AND EXTEND A MINIMUM OF 16" BEYOND EACH SIDE OF OPENING.
5. DISCONTINUE BOND BEAM REINFORCEMENT AT WALL CONTROL JOINTS EXCEPT AT ELEVATED FLOOR AND ROOF LEVELS.

D. EXPANSION / CONTRACTION JOINTS:
1. PROVIDE A MINIMUM 3/4" GAP BETWEEN THE TOP OF THE CMU WALL AND THE BOTTOM OF THE STRUCTURE, EXCEPT AT LOAD BEARING WALLS.
2. PROVIDE A MINIMUM 3/4" GAP BETWEEN THE END OF AN INTERIOR CMU WALL AND THE SIDE OF A BEAM.
3. PROVIDE CONTINUOUS COMPRESSIBLE FILLER OR FIRE SAFEING INSULATION AS REQUIRED (FULL WIDTH AND FULL LENGTH) OF THE SAME THICKNESS AS THE JOINT.
4. PROVIDE MASONRY JOINTS (MJ) WHERE INDICATED ON PLAN.

E. TOP CLIP SUPPORTS:
1. PROVIDE SUPPORT PER DETAILS SHOWN ON S-010.

F. LINTELS:
1. PROVIDE MASONRY LINTELS ABOVE OPENINGS IN MASONRY WALLS AS REQUIRED. SEE DETAILS ON THIS SHEET.
2. AT SHELTER WHERE OPENING OCCURS DIRECLTLY ABOVE ELEVATED SLAB, ACCEPTABLE FOR DECK TO SPAN OVER OPENING AND NOT ADDITONAL CMU LINTEL IS REQUIRED.

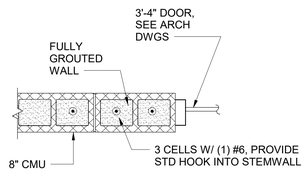


JAMB J-1

TYPICAL FOR 8" CMU OPENINGS AT PASSENGER ELEVATOR UP TO 6'-0" WIDE

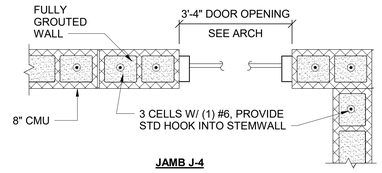
JAMB J-2

TYPICAL FOR 12" CMU OPENINGS AT FREIGHT ELEVATOR UP TO 6'-0" WIDE



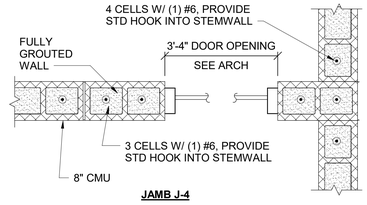
JAMB J-3

DOOR 109a



JAMB J-4

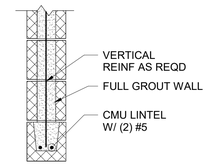
DOOR 112a



JAMB J-4

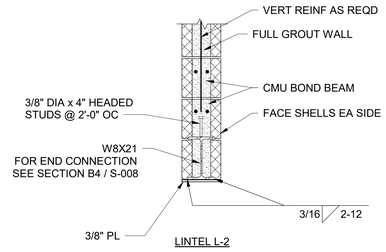
DOOR 112b

D3 TYPICAL MASONRY JAMB DETAILS
SCALE:NTS



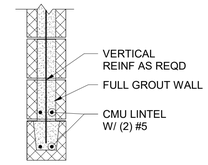
LINTEL L-1

NOT TO SCALE
TYP FOR MASONRY OPENINGS UP TO 3'-4" WIDE (UNO).
PROVIDE 8" BEARING EA END



LINTEL L-2

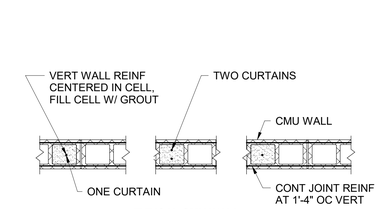
NOT TO SCALE
DOOR A112a AND DOOR A109a



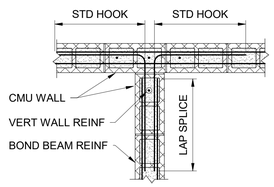
LINTEL L-3

NOT TO SCALE
TYP FOR MASONRY OPENINGS 3'-4" WIDE TO 6'-0" WIDE (UNO).
PROVIDE 8" BEARING EA END

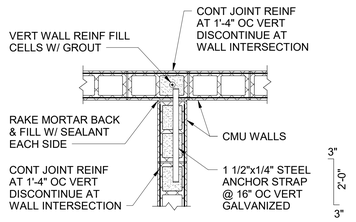
C6 LINTELS
SCALE:NTS



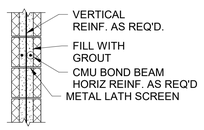
TYPICAL CMU WALL REINFORCING



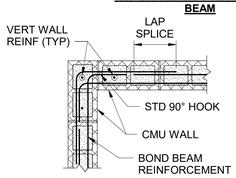
TYPICAL CMU WALL INTERSECTION DETAIL AT BOND BEAM



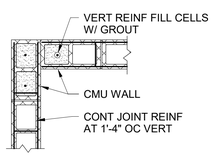
TYPICAL CMU WALL INTERSECTION DETAIL



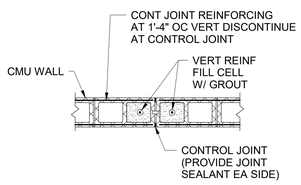
TYPICAL BOND BEAM



TYPICAL CMU WALL CORNER DETAIL AT BOND BEAMS

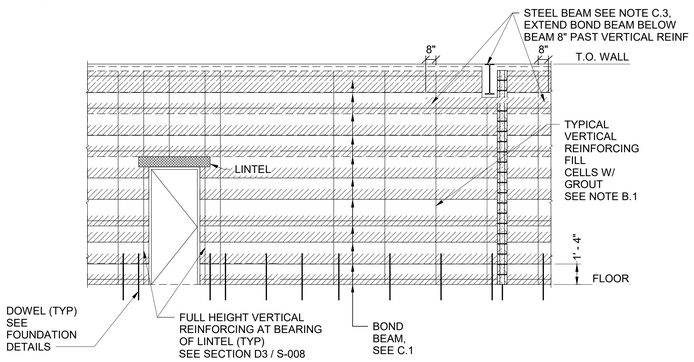


TYPICAL CMU WALL CORNER DETAIL

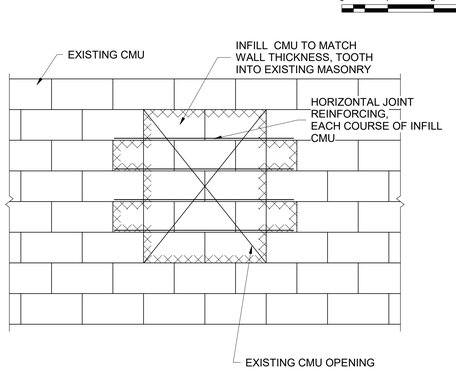


TYPICAL MASONRY JOINT (MJ) DETAIL

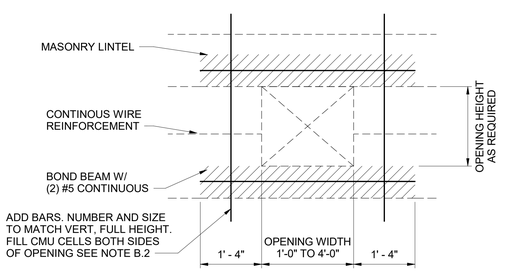
B1 TYPICAL CMU REINFORCING DETAILS
SCALE: 3/4" = 1'-0"



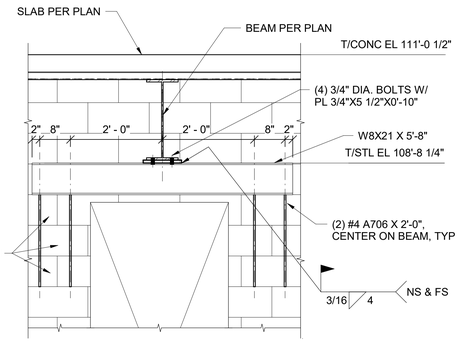
A1 TYPICAL CMU WALL ELEVATION
SCALE: 1/4" = 1'-0"



A2 MASONRY INFILL DETAIL
SCALE: 3/4" = 1'-0"



A3 TYPICAL WALL OPENING REINFORCING
SCALE: 3/4" = 1'-0"



B4 SECTION
SCALE: 3/4" = 1'-0"

CORRECTED FINAL BACKCHECK (100%) SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

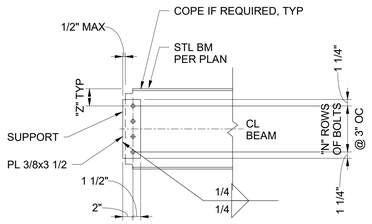
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

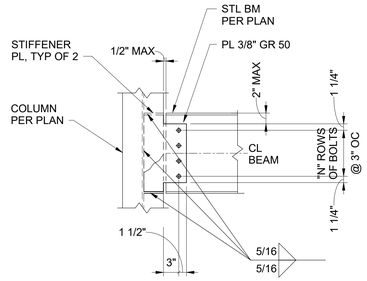
STANDARD MASONRY DETAILS

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-008.DWG
SHEET IDENTIFICATION	S-008
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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TYP CONNECTION

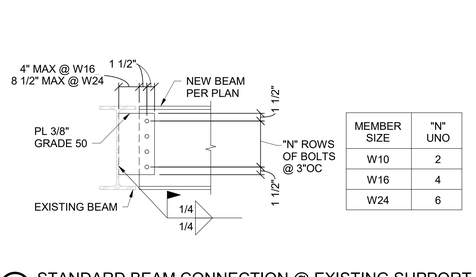


EXTENDED PLATE CONNECTION/STANDARD CONNECTION AT COLUMN WEB

MEMBER SIZE	"N" UNO
W30, W33	7
W27,W24	6
W21	5
W16, W18	4
W12, W14	3
W8, W10	2
W6/C6	SEE SECTION B2 / S-009

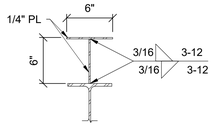
NOTES:
1. STANDARD CONNECTIONS ABOVE SHALL USE 3/4"DIA A325-PT-STD BOLTS.
2. USE WHERE CONNECTION IS NOT OTHERWISE INDICATED ON PLANS, NOTES, ELEVATIONS, SECTIONS, OR DETAILS.
3. "Z": 2" MIN FOR STD HOLES (1 1/4" MIN FOR BEAMS LESS THAN A W12)
   2 1/4" MIN FOR OVS AND SSLT HOLES (1 3/8" MIN FOR BEAMS LESS THAN A W12)

D1 STANDARD BEAM CONNECTION-SINGLE PLATE @ NEW SUPPORT
SCALE: 1" = 1'-0"



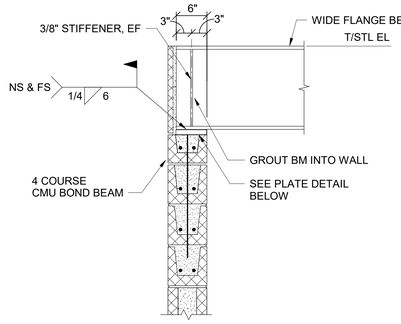
MEMBER SIZE	"N" UNO
W10	2
W16	4
W24	6

E3 STANDARD BEAM CONNECTION @ EXISTING SUPPORT
SCALE: 1" = 1'-0"

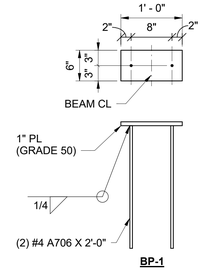


NOT TO SCALE

D3 ED-1
SCALE:NTS

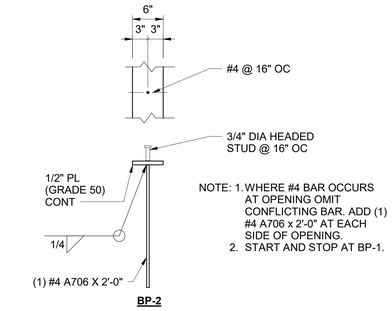


WIDE FLANGE BEAM BEARING AT CMU SHELTER WALLS



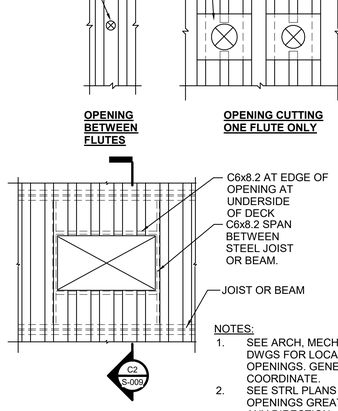
BP-1

D4 BP-1 TYPICAL WIDE FLANGE BEAM/ JOIST BEARING PLATE DETAIL
SCALE: 1" = 1'-0"



BP-2

D6 BP-2
SCALE: 1" = 1'-0"



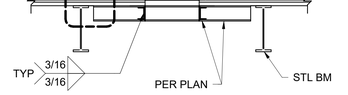
OPENING BETWEEN FLUTES

OPENING CUTTING ONE FLUTE ONLY

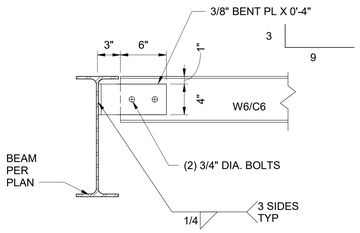
OPENING GREATER THAN 18" AND UP TO 60"

NOTES:
1. SEE ARCH, MECH, FIRE, AND ELEC DWGS FOR LOCATIONS AND SIZES OF OPENINGS. GENERAL CONTRACTOR COORDINATE.
2. SEE STRL PLANS FOR FRAMING AT OPENINGS GREATER THAN 5'-0" IN ANY DIRECTION.
3. SEE S-006 FOR ADDITIONAL REINFORCEMENT REQUIRED AT SLAB OPENINGS IN NEW SLAB.

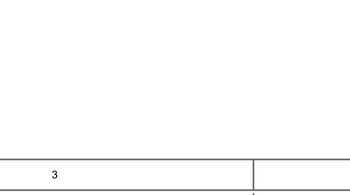
B1 DECK OPENING DETAILS, UNO.
SCALE:NTS



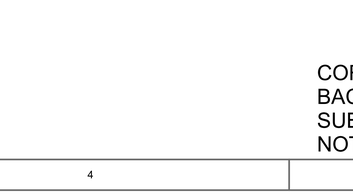
C2 STANDARD OPENING SECTION
SCALE:NTS



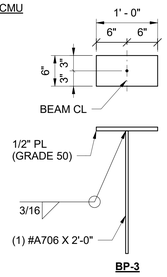
B2 STANDARD W6/C6 CONNECTION
SCALE:NTS



WIDE FLANGE BEAM BEARING AT 8" CMU

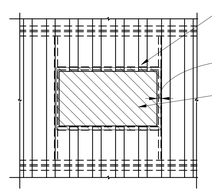


HSS BEAM BEARING AT 8" CMU



BP-3

B3 BP-3
SCALE: 1" = 1'-0"



A1 TYPICAL DECK INFILL AT EXISTING OPENING
SCALE:NTS

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

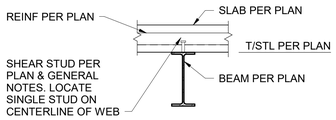
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

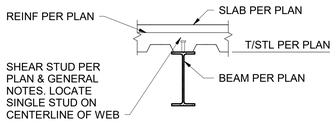
STANDARD STEEL DETAILS

PLOT SCALE: AS NOTED | SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-009.DWG
SHEET IDENTIFICATION: S-009
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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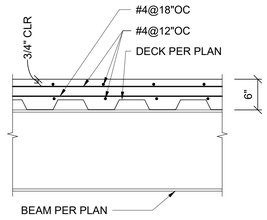


DECK PERPENDICULAR TO BEAM



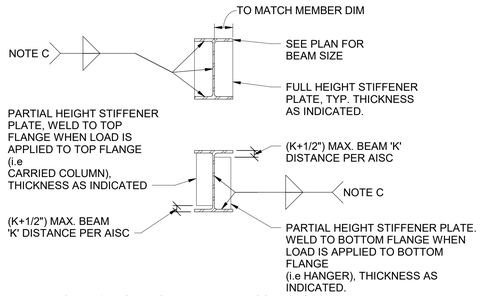
DECK PARALLEL TO BEAM

STUD PLACEMENT NOTES:
1. BEAMS: PLACE STUDS UNIFORMLY ALONG LENGTH.



E2 TYP ELEVATED SLAB
SCALE: 1" = 1'-0"
0 1/2" 1" 2"

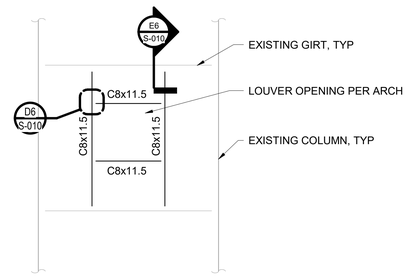




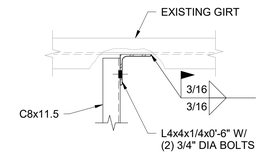
NOTE: A.) USE THIS DETAIL AT ALL LOCATIONS WHERE "STIFFENER PL" IS CALLOUT OUT, UNO.

B.) USE FULL HEIGHT STIFFENER PLATE, TYP UNO.

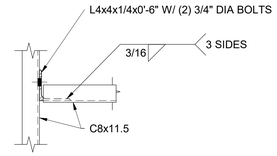
C.) TYP BOTH SIDES. WELD SIZE SHALL BE MINIMUM FILLET WELD PER AISC TABLE J2.4 UNO.



NOTE: 1. WHERE SAG RODS CONFLICT WITH NEW OPENING, REMOVE EXISTING ROD AND ADD ONE NEW ROD ON EACH SIDE OF OPENING. SEE TYPICAL SAG ROD DETAILS THIS SHEET.
2. COORDINATE WITH ARCH FOR ADDITIONAL ANGLES WELDED TO CHANNELS.



E6 DETAIL
SCALE: 1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"



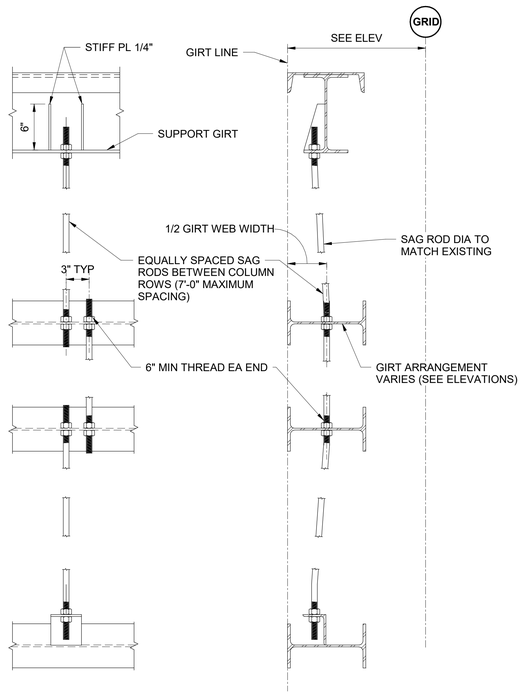
D1 TYPICAL COMPOSITE FLOOR DETAILS
SCALE: 3/4" = 1'-0"
0 1' 2' 3'

D2 BEAM CALLOUT
SCALE:NTS

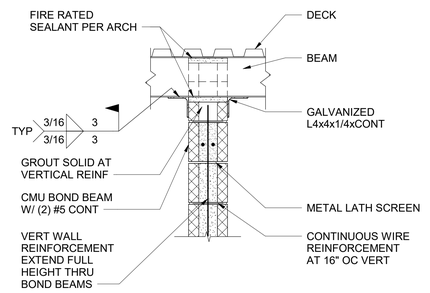
D3 TYPICAL STIFFENER PL
SCALE:NTS

D4 TYPICAL LOUVER FRAMING
SCALE: 3/4" = 1'-0"
0 1' 2' 3'

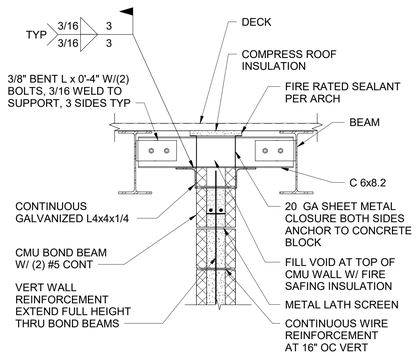
D6 SECTION
SCALE: 1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"



B1 TYP SAG ROD DETAILS
SCALE: 1 1/2" = 1'-0"
0 1/2" 1" 1 1/2"



B2 TYP CMU WALL AT DECK PERPENDICULAR TO BEAM
SCALE: 1" = 1'-0"
0 1" 2"



A2 TYP CMU WALL AT DECK WALL PARALLEL TO BEAM
SCALE: 1" = 1'-0"
0 1" 2"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

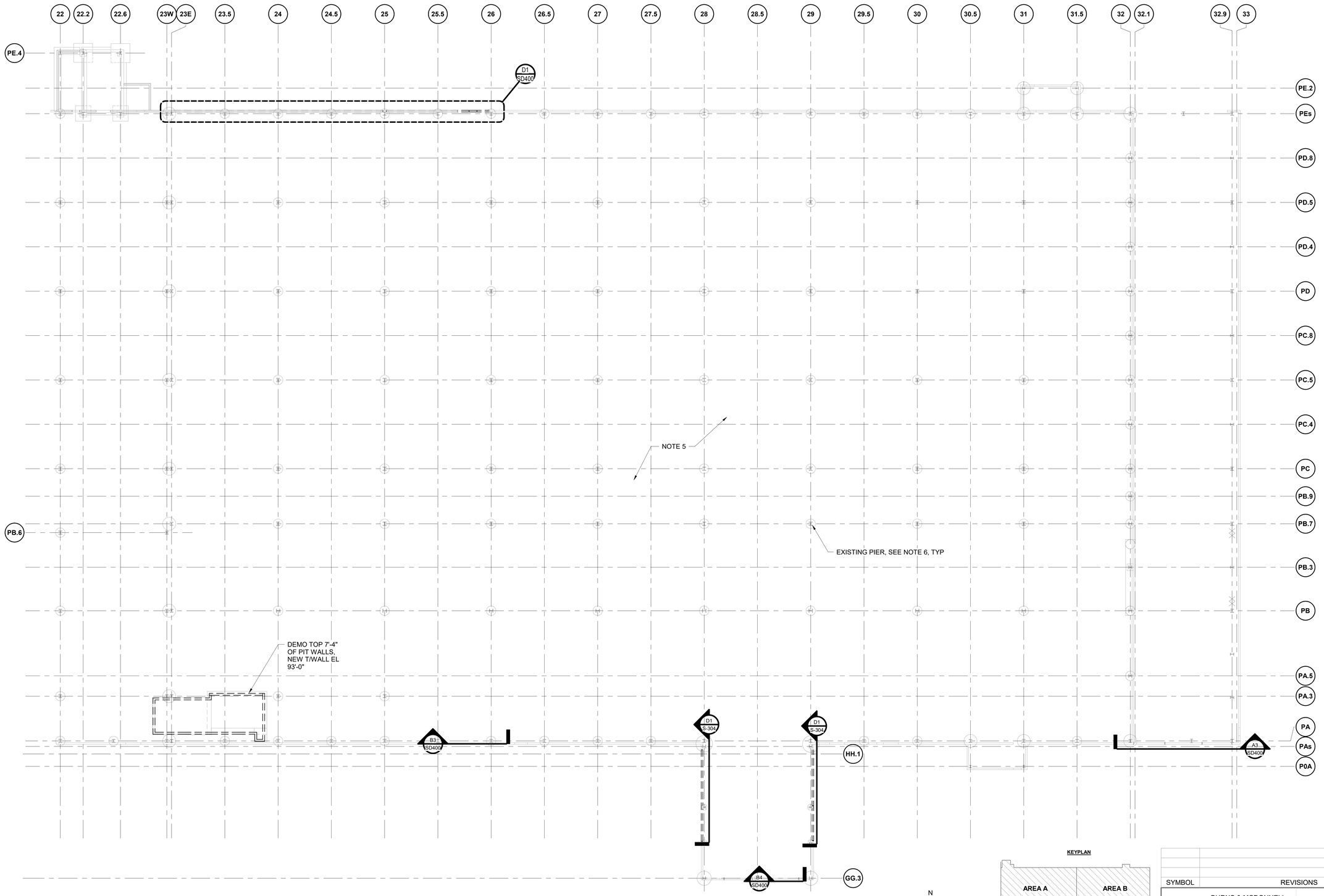
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

STANDARD STEEL DETAILS

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-010.DWG
SHEET IDENTIFICATION	S-010
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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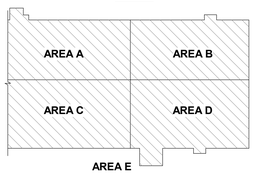


A1 GROUND FLOOR FOUNDATION DEMO
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS.
5. EXISTING 6" SLAB. T/CONC EL 100'-0" TYPICAL UNLESS NOTED OTHERWISE.
6. T/EXISTING PIER = 98'-4" TYPICAL UNLESS NOTED OTHERWISE.
7. DEMOLISH ALL EXISTING CURBS AND EQUIPMENT PADS. SEE S-007 FOR TYPICAL DETAIL.
8. SEE M-181 FOR CENTRAL UTILITY PLANT B9301 EQUIPMENT PAD DEMOLITION REQUIREMENTS.
9. SEE S-006 FOR TYPICAL CURB DEMO AT NEW DOORS.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

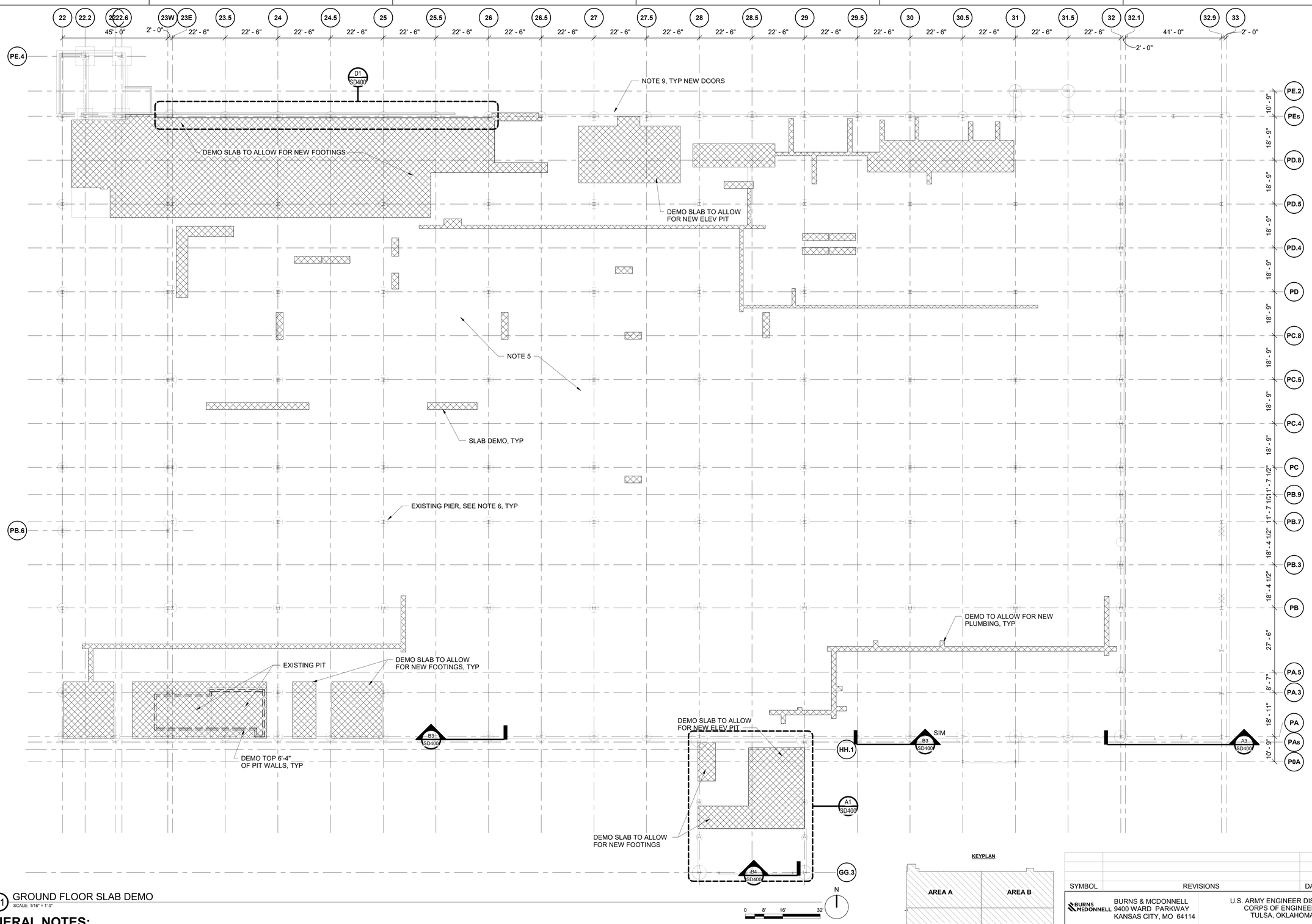
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GROUND LEVEL FOUNDATION DEMO OVERALL

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	09/21/18
FILE NUMBER:	104444SD100.DWG
SHEET IDENTIFICATION	SD100
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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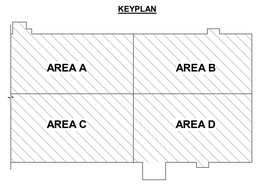


A1 GROUND FLOOR SLAB DEMO
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS.
5. EXISTING 6" SLAB. T/CONC EL 100'-0" TYPICAL UNLESS NOTED OTHERWISE.
6. T/EXISTING PIER = 98'-4" TYPICAL UNLESS NOTED OTHERWISE.
7. DEMOLISH ALL EXISTING CURBS AND EQUIPMENT PADS. SEE S-007 FOR TYPICAL DETAIL.
8. SEE M-181 FOR CENTRAL UTILITY PLANT B9301 EQUIPMENT PAD DEMOLITION REQUIREMENTS.
9. SEE S-006 FOR TYPICAL CURB DEMO AT NEW DOORS.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

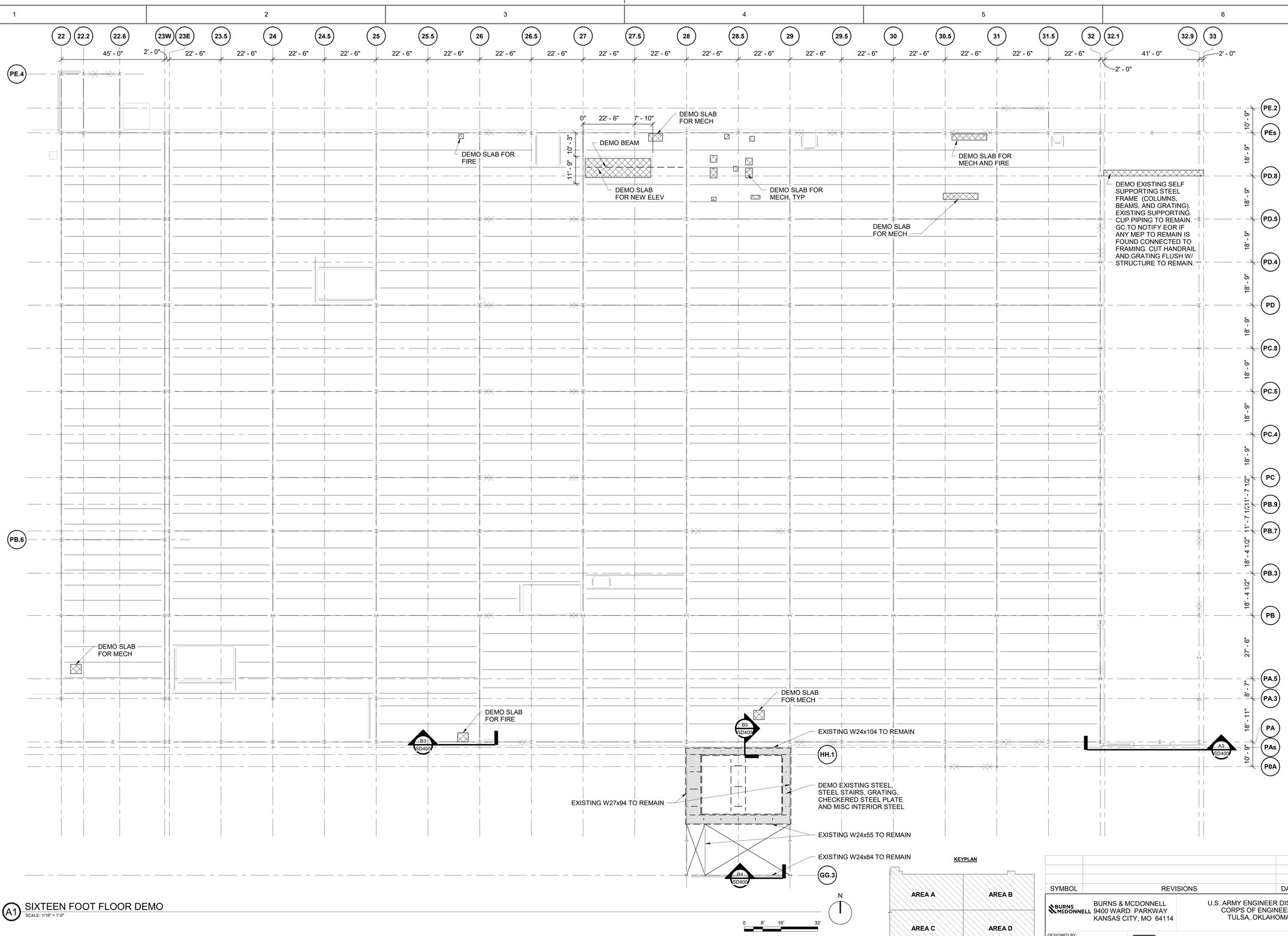
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND LEVEL SLAB DEMO OVERALL

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444SD110.DWG
SHEET IDENTIFICATION	SD110
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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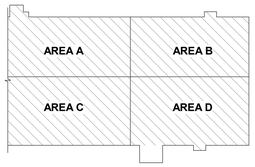


A1 SIXTEEN FOOT FLOOR DEMO
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS.
5. ALL NON-STRUCTURAL DEBRIS INCLUDING (BUT NOT LIMITED TO) BROKEN GLASS, TRASH, UNATTACHED INSULATION SHALL BE REMOVED FROM THE BUILDING.
6. SEE S-120 FOR SLAB OPENING SIZE REQUIREMENTS.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
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BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

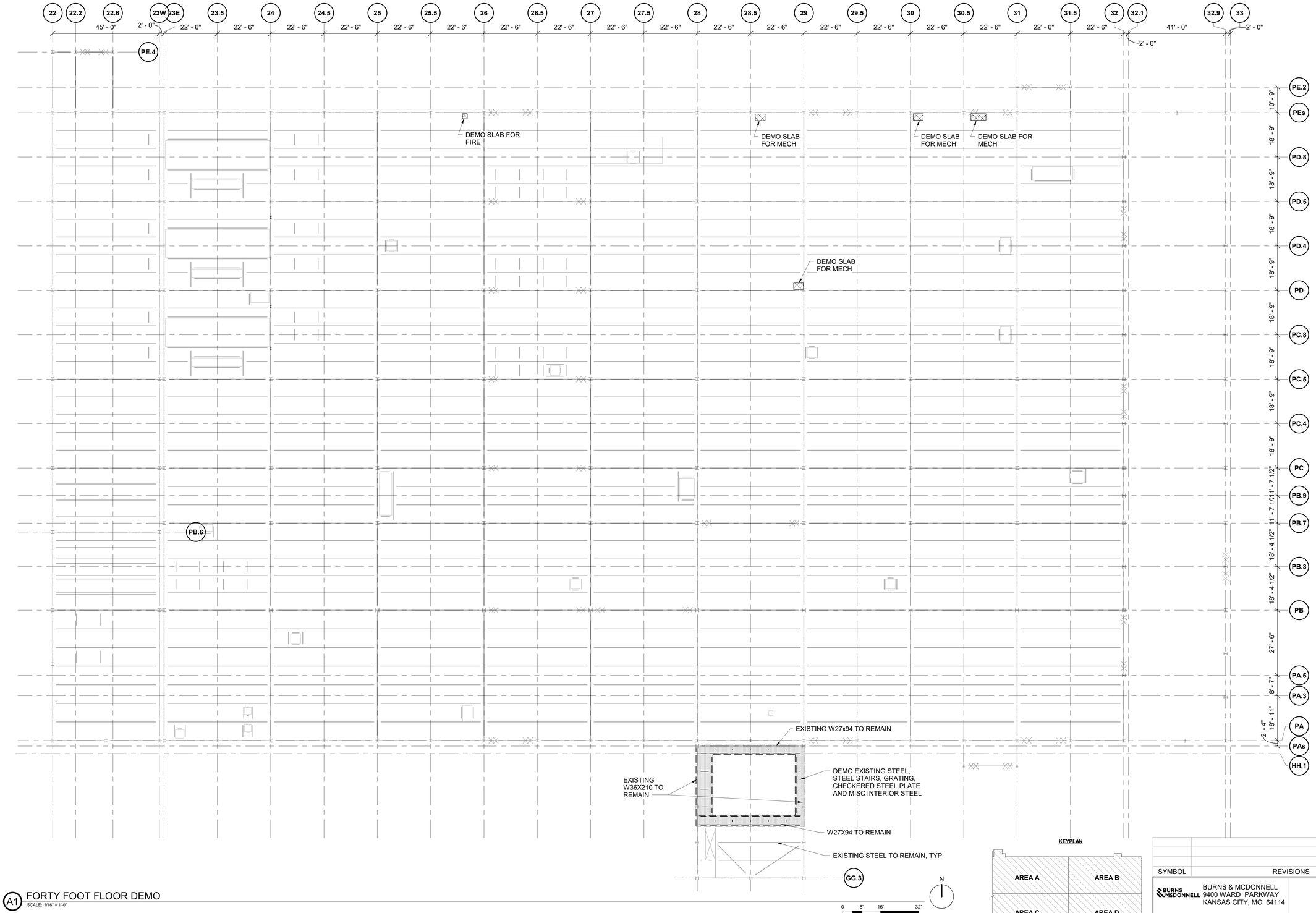
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

SIXTEEN FOOT FLOOR DEMO OVERALL

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444SD120.DWG
SHEET IDENTIFICATION: SD120
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
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Sheet of

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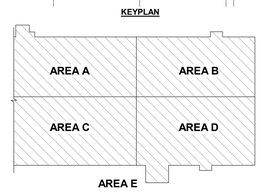


A1 FORTY FOOT FLOOR DEMO
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS.
5. ALL NON-STRUCTURAL DEBRIS INCLUDING (BUT NOT LIMITED TO) BROKEN GLASS, TRASH, UNATTACHED INSULATION SHALL BE REMOVED FROM THE BUILDING.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

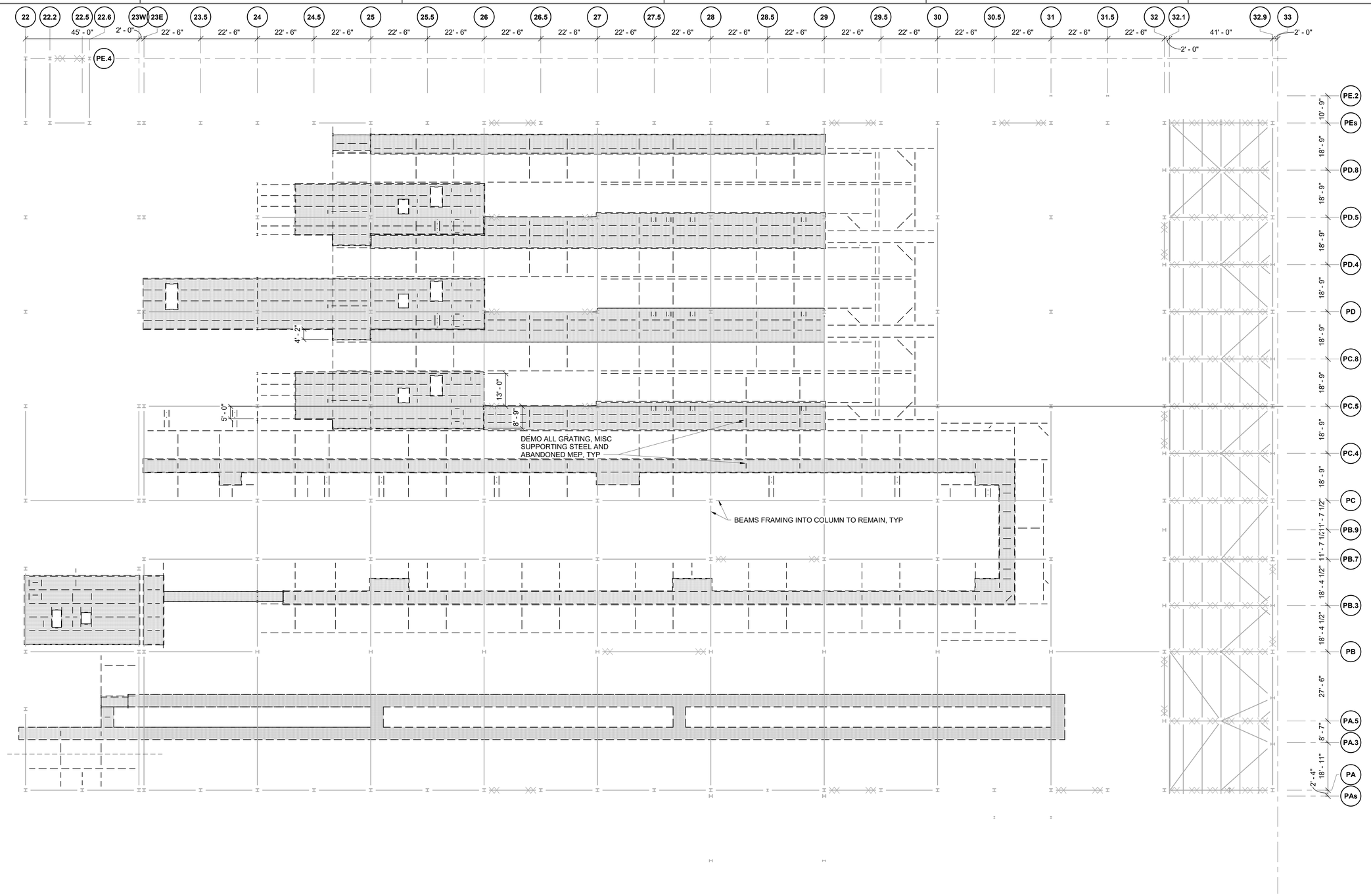
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FORTY FOOT FLOOR DEMO OVERALL

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 09/12/18
FILE NUMBER: 104444SD130.DWG
SHEET IDENTIFICATION: SD130
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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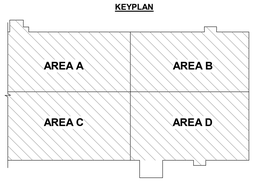


A1 GRILLAGE FLOOR DEMO PLAN
SCALE: 1/16" = 1'-0"

N

0 8' 16' 32'

KEYPLAN



GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS.
5. ALL NON-STRUCTURAL DEBRIS INCLUDING (BUT NOT LIMITED TO) BROKEN GLASS, TRASH, UNATTACHED INSULATION SHALL BE REMOVED FROM THE BUILDING.
6. SEE S-120 FOR SLAB OPENING SIZE REQUIREMENTS.

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

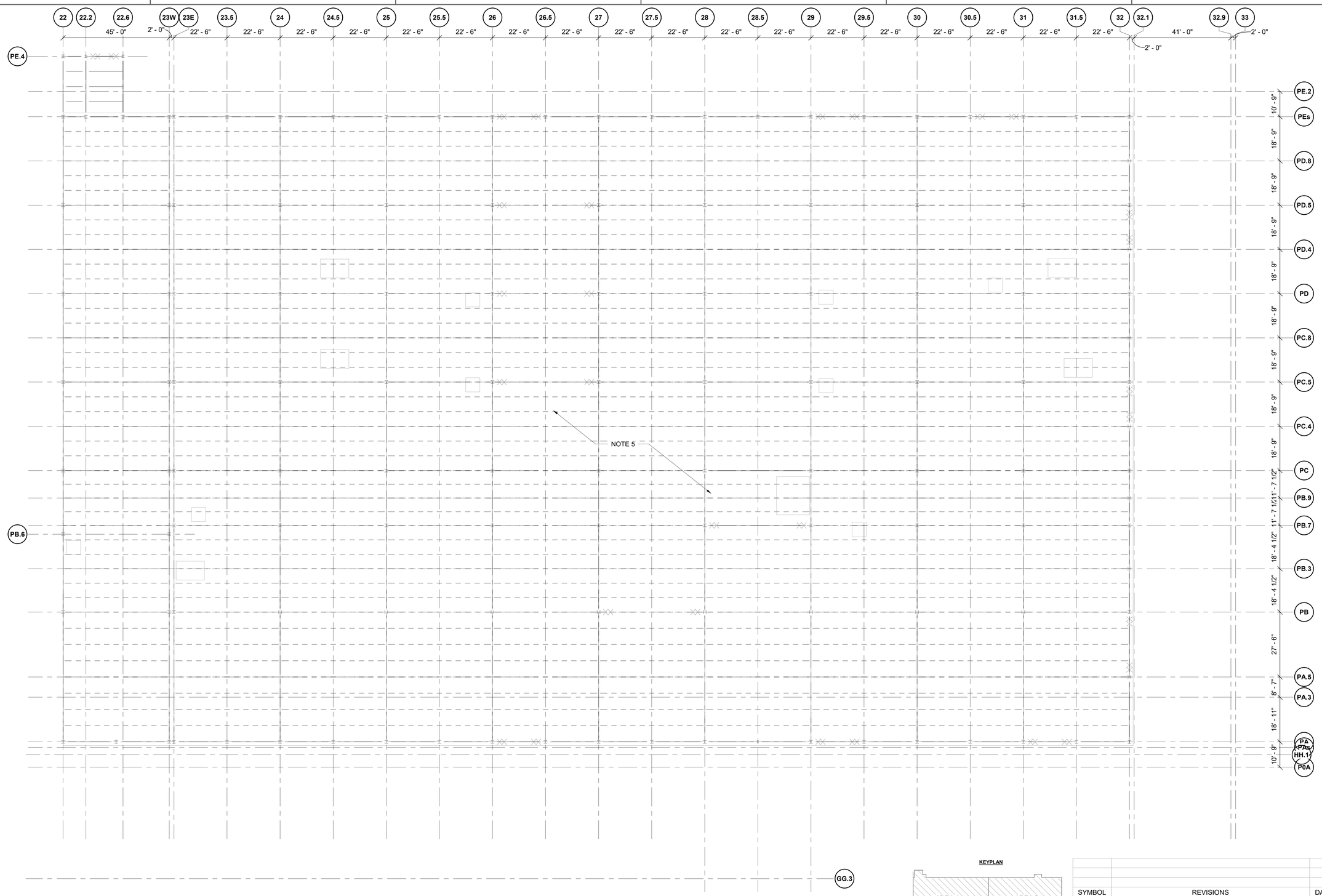
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GRILLAGE FLOOR DEMO OVERALL

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444SD140.DWG
SHEET IDENTIFICATION	SD140
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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A1 ROOF LEVEL DEMO
SCALE: 1/16" = 1'-0"

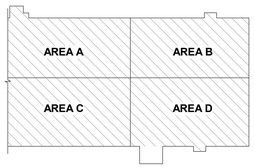
N

0 8" 16" 32"

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS.
5. AFTER REMOVAL OF EXISTING ROOF MEMBRANE (PER ARCH), CONTRACTING OFFICER WILL INSPECT CONDITION OF ROOF DECK AND DIRECT CONTRACTOR TO REPAIR OR REPLACE DAMAGED SECTIONS OF ROOF DECK. WHERE DECK IS TO BE REPLACED, REPLACE PER DECK REQUIREMENTS INDICATED ON S-001. SEE CLIN SCHEDULE FOR OPTION FOR STEEL DECKING REPLACEMENT.
6. ALL NON-STRUCTURAL DEBRIS INCLUDING (BUT NOT LIMITED TO) BROKEN GLASS, TRASH, UNATTACHED INSULATION SHALL BE REMOVED FROM THE BUILDING.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
BURNS MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

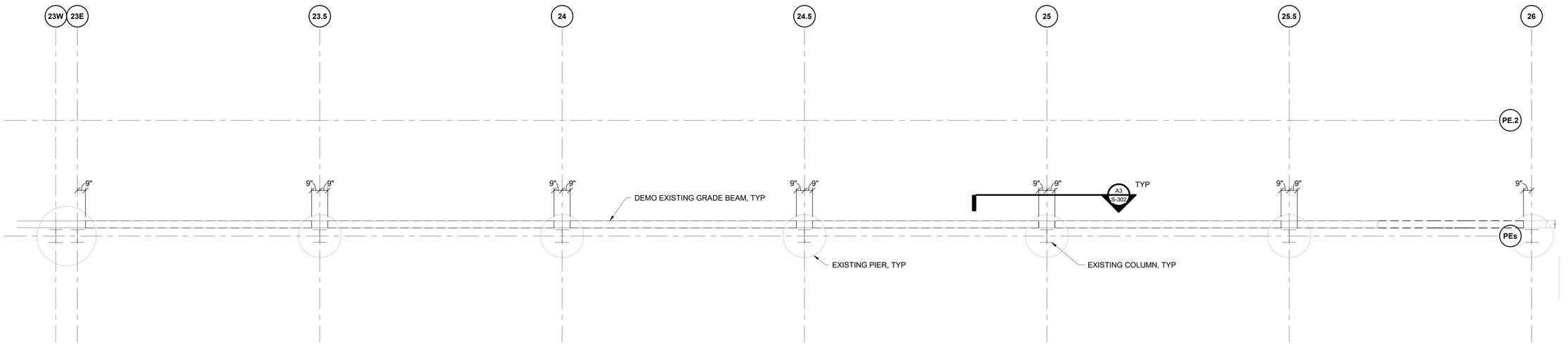
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

ROOF LEVEL DEMO OVERALL

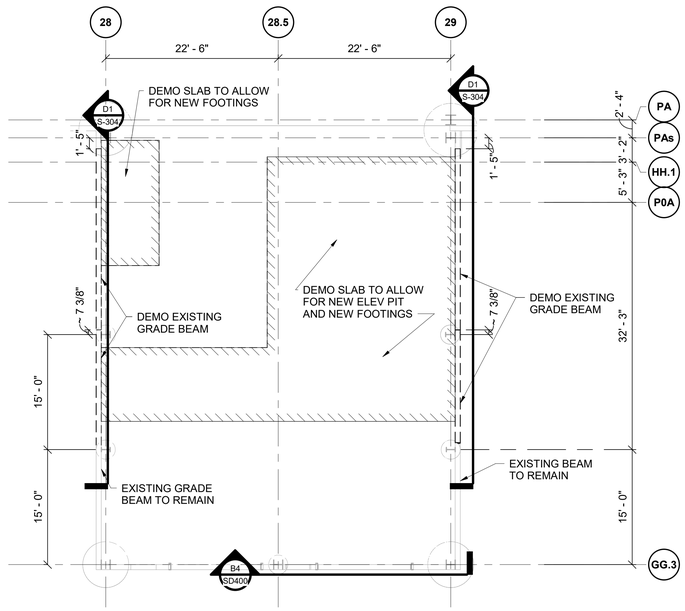
DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444SD150.DWG
SHEET IDENTIFICATION	SD150
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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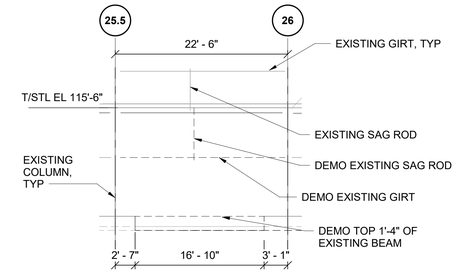
D1 DETAIL
SCALE: 1/4" = 1'-0"

0 2' 4' 8'



A1 DETAIL
SCALE: 1/8" = 1'-0"

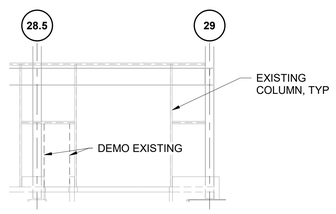
0 4' 8' 16'



NOTE: AT SIM LOCATIONS, GC
VERIFY CURB DEMO EXTENTS WITH
DOOR PROVIDED AND ARCH DWGS.

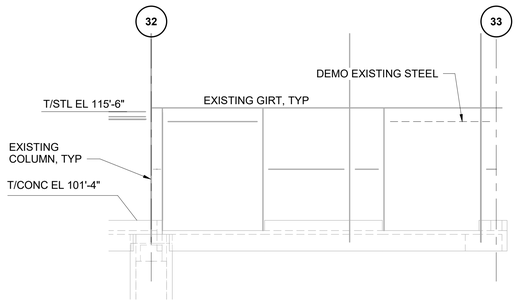
B3 SECTION
SCALE: 1/8" = 1'-0"

0 4' 8' 16'



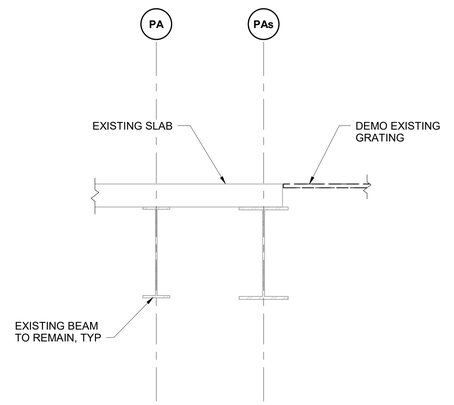
B4 SECTION
SCALE: 1/8" = 1'-0"

0 4' 8' 16'



A3 ELEVATION
SCALE: 1/8" = 1'-0"

0 4' 8' 16'



B5 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

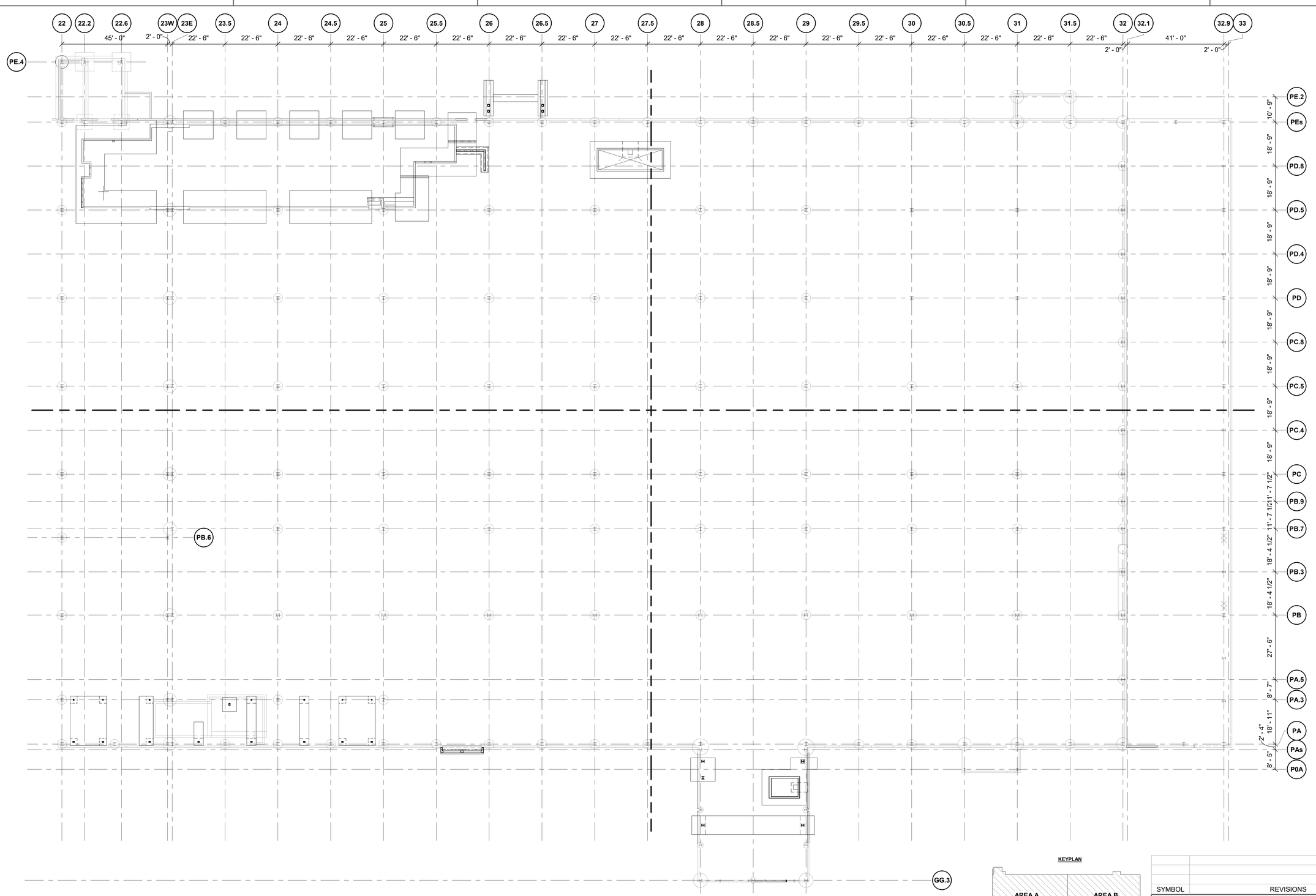
US Army Corps of Engineers

DEMO ELEVATIONS, SECTIONS AND DETAILS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 06/28/18
FILE NUMBER: 104444SD400.DWG

SHEET IDENTIFICATION: SD400
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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1 FOUNDATION PLAN OVERALL
SCALE: 1/16" = 1'-0"

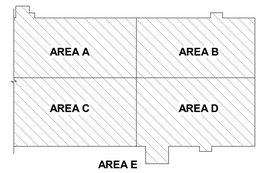
0 8' 16' 32'

N

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS.
5. SEE M-181 FOR CENTRAL UTILITY PLANT B9301 EQUIPMENT PAD REQUIREMENTS.
6. PROVIDE FULLY GROUTED 8" CMU WALLS AT ELEVATOR.
7. THE ELEVATOR PITS AND SHAFTS HAVE BEEN ENGINEERED AND SIZED BASED ON MACHINE ROOM-LESS TRACTION ELEVATOR SYSTEM AND CAPACITY OF: 3,000 LB PASSENGER ELEVATORS, 5,000 LB SERVICE ELEVATOR. IF THE SYSTEM TYPES OR CAPACITIES SHOULD CHANGE, RE-DESIGN OF THE PITS AND SHAFTS WILL BE REQUIRED. COORDINATE MODIFICATIONS WITH CONTRACTING OFFICER AND ENGINEER / ARCHITECT.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

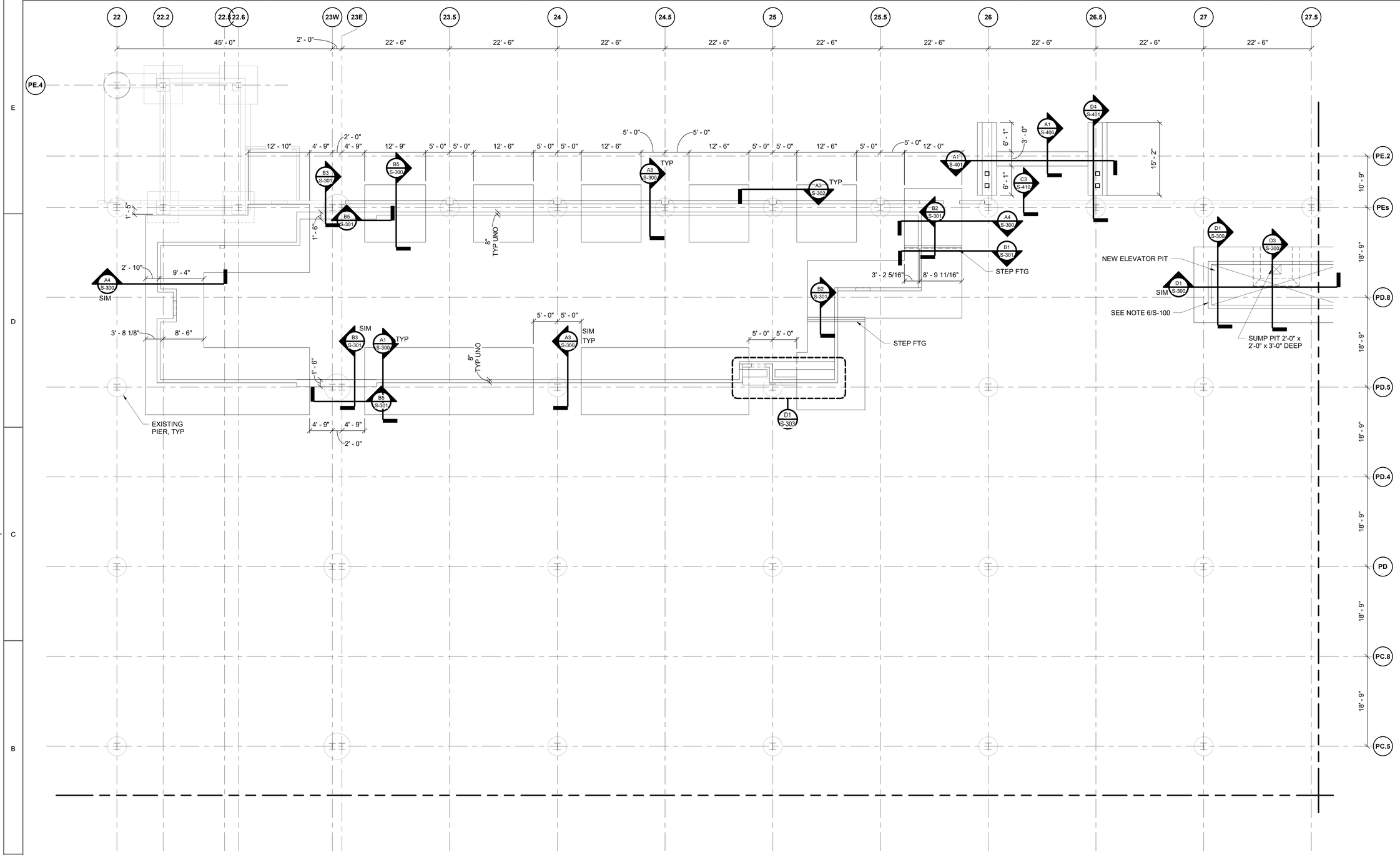
US Army Corps of Engineers

FOUNDATION PLAN OVERALL

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE: SIZE:	AS NOTED 42x30
DATE:	09/12/18
FILE NUMBER:	104444S-100.DWG
SHEET IDENTIFICATION	S-100
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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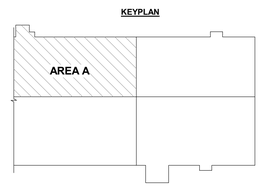


A1 FOUNDATION PLAN AREA - A
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

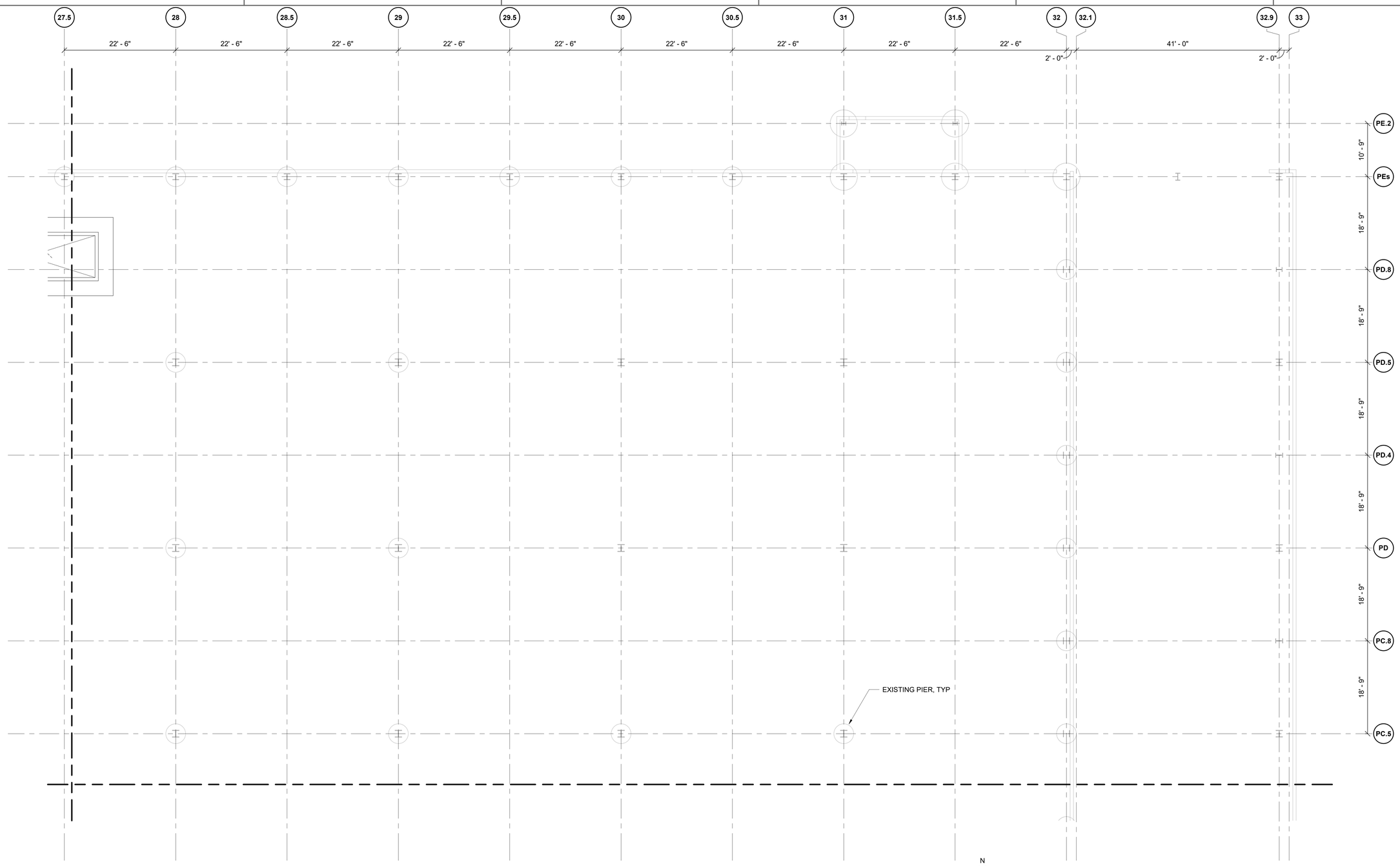
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

FOUNDATION PLAN AREA - A

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	09/12/18
FILE NUMBER:	104444S-101.DWG
SHEET IDENTIFICATION	S-101
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of



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

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

FOUNDATION PLAN AREA - B

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	09/12/18
FILE NUMBER:	104444S-102.DWG
SHEET IDENTIFICATION	S-102
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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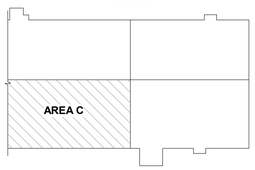
A1 FOUNDATION PLAN AREA - C

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

0 4' 8' 16'

N

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FOUNDATION PLAN AREA - C

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	09/12/18
FILE NUMBER:	104444S-103.DWG
SHEET IDENTIFICATION	S-103
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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27.5 | 28 | 28.5 | 29 | 29.5 | 30 | 30.5 | 31 | 31.5 | 32 | 32.1 | 32.9 | 33

22' - 6" | 22' - 6" | 22' - 6" | 22' - 6" | 22' - 6" | 22' - 6" | 22' - 6" | 22' - 6" | 22' - 6" | 2' - 0" | 41' - 0" | 2' - 0"

PC.4
18' - 9"
PC
11' - 7 1/2"
PB.9
11' - 7 1/2"
PB.7
18' - 4 1/2"
PB.3
18' - 4 1/2"
PB
27' - 6"
PA.5
PA.3
27' - 6"
PA
PAs
10' - 6"
P0A

EXISTING PIER, TYP

C1
S-202

A1 FOUNDATION PLAN AREA - D
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

KEYPLAN

AREA D

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

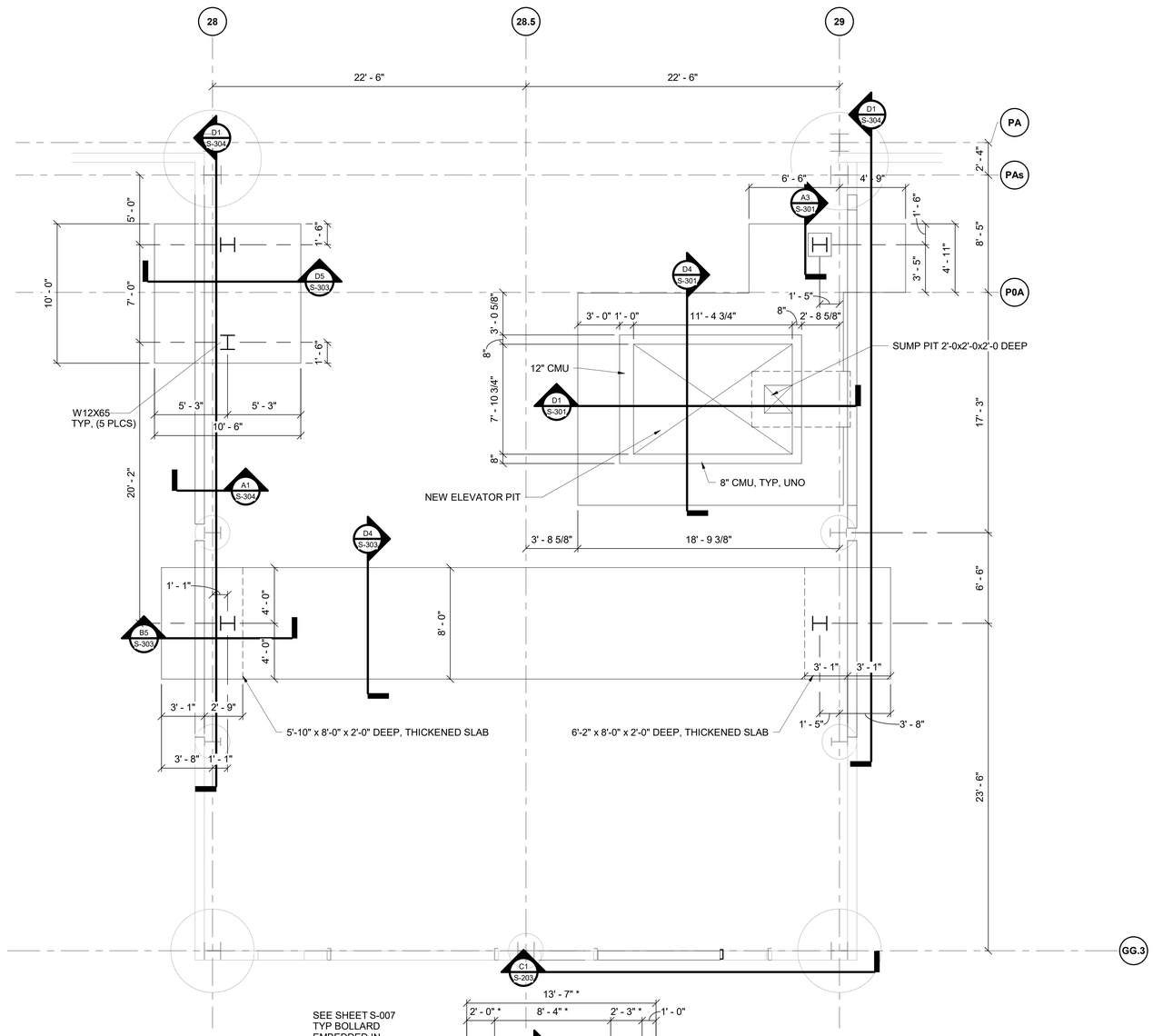
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

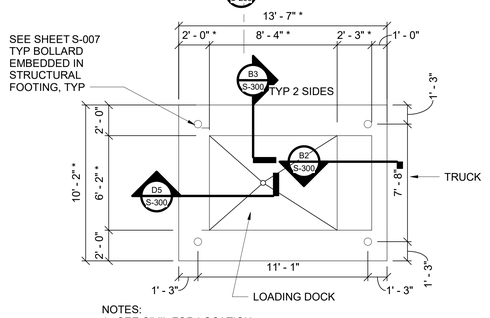
US Army Corps of Engineers

FOUNDATION PLAN AREA - D

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE: / SIZE:	AS NOTED 42x30
DATE:	09/12/18
FILE NUMBER:	104444S-104.DWG
SHEET IDENTIFICATION	S-104
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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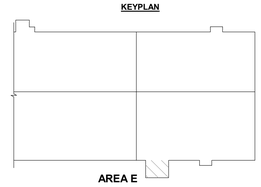
NOTES:
1. SEE CIVIL FOR LOCATION.
2. * GC TO COORDINATE DIMENSIONS W/ LOADING DOCK LIFT PROVIDED.

1 FOUNDATION PLAN AREA - E
SCALE: 1/4" = 1'-0"

N

0 2' 4' 8'

KEYPLAN



AREA E

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

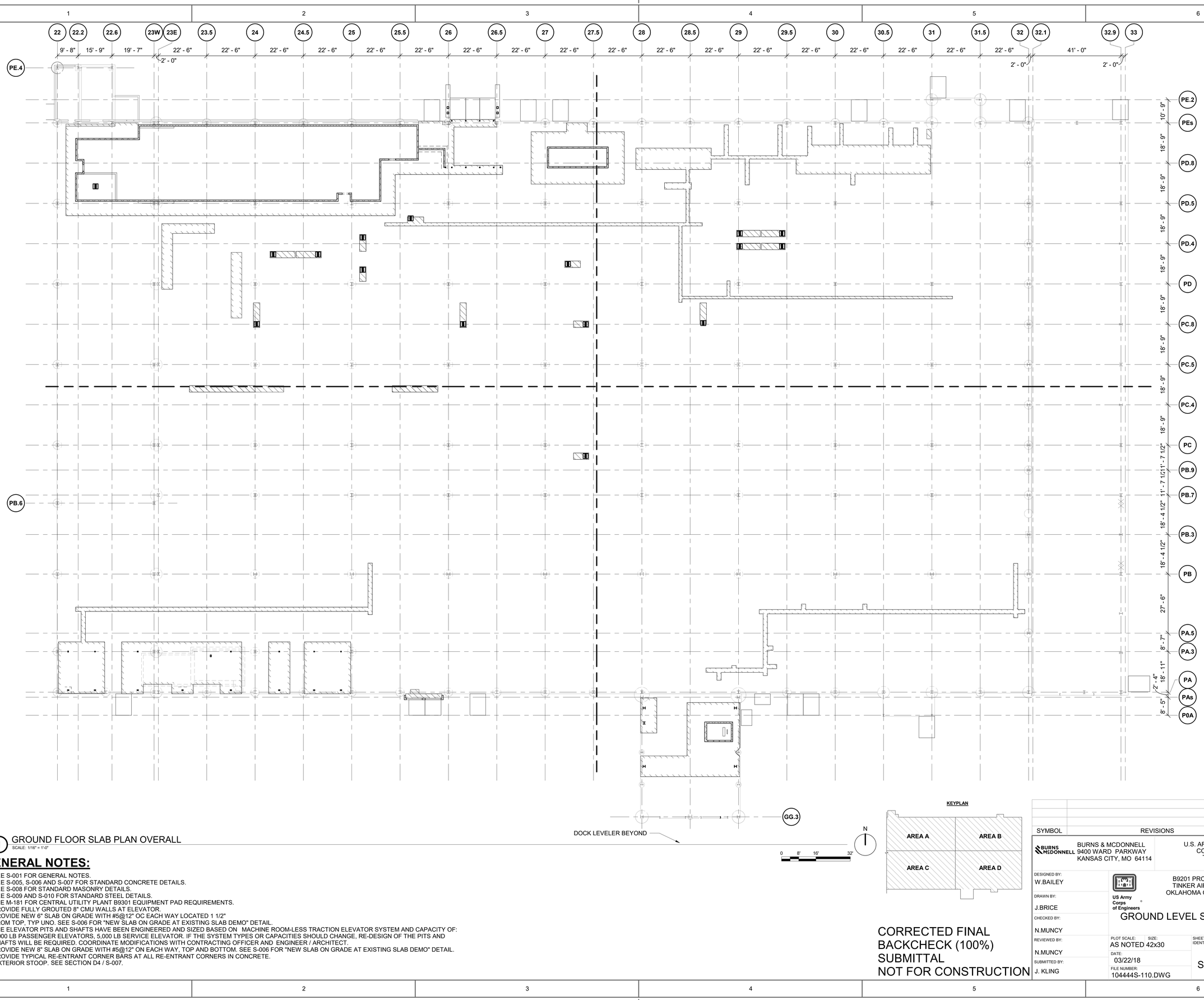
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FOUNDATION PLAN AREA - E

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 09/12/18
FILE NUMBER: 104444S-105.DWG
SHEET IDENTIFICATION: S-105
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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1 GROUND FLOOR SLAB PLAN OVERALL
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS.
5. SEE M-181 FOR CENTRAL UTILITY PLANT B9301 EQUIPMENT PAD REQUIREMENTS.
6. PROVIDE FULLY GROUTED 8" CMU WALLS AT ELEVATOR.
7. PROVIDE NEW 6" SLAB ON GRADE WITH #5@12" OC EACH WAY LOCATED 1 1/2" FROM TOP, TYP UNO. SEE S-006 FOR "NEW SLAB ON GRADE AT EXISTING SLAB DEMO" DETAIL.
8. THE ELEVATOR PITS AND SHAFTS HAVE BEEN ENGINEERED AND SIZED BASED ON MACHINE ROOM-LESS TRACTION ELEVATOR SYSTEM AND CAPACITY OF: 3,000 LB PASSENGER ELEVATORS, 5,000 LB SERVICE ELEVATOR. IF THE SYSTEM TYPES OR CAPACITIES SHOULD CHANGE, RE-DESIGN OF THE PITS AND SHAFTS WILL BE REQUIRED. COORDINATE MODIFICATIONS WITH CONTRACTING OFFICER AND ENGINEER / ARCHITECT.
9. PROVIDE NEW 8" SLAB ON GRADE WITH #5@12" ON EACH WAY, TOP AND BOTTOM. SEE S-006 FOR "NEW SLAB ON GRADE AT EXISTING SLAB DEMO" DETAIL.
10. PROVIDE TYPICAL RE-ENTRANT CORNER BARS AT ALL RE-ENTRANT CORNERS IN CONCRETE.
11. EXTERIOR STOOP. SEE SECTION D4 / S-007.

KEYPLAN

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BACKCHECK (100%)
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SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

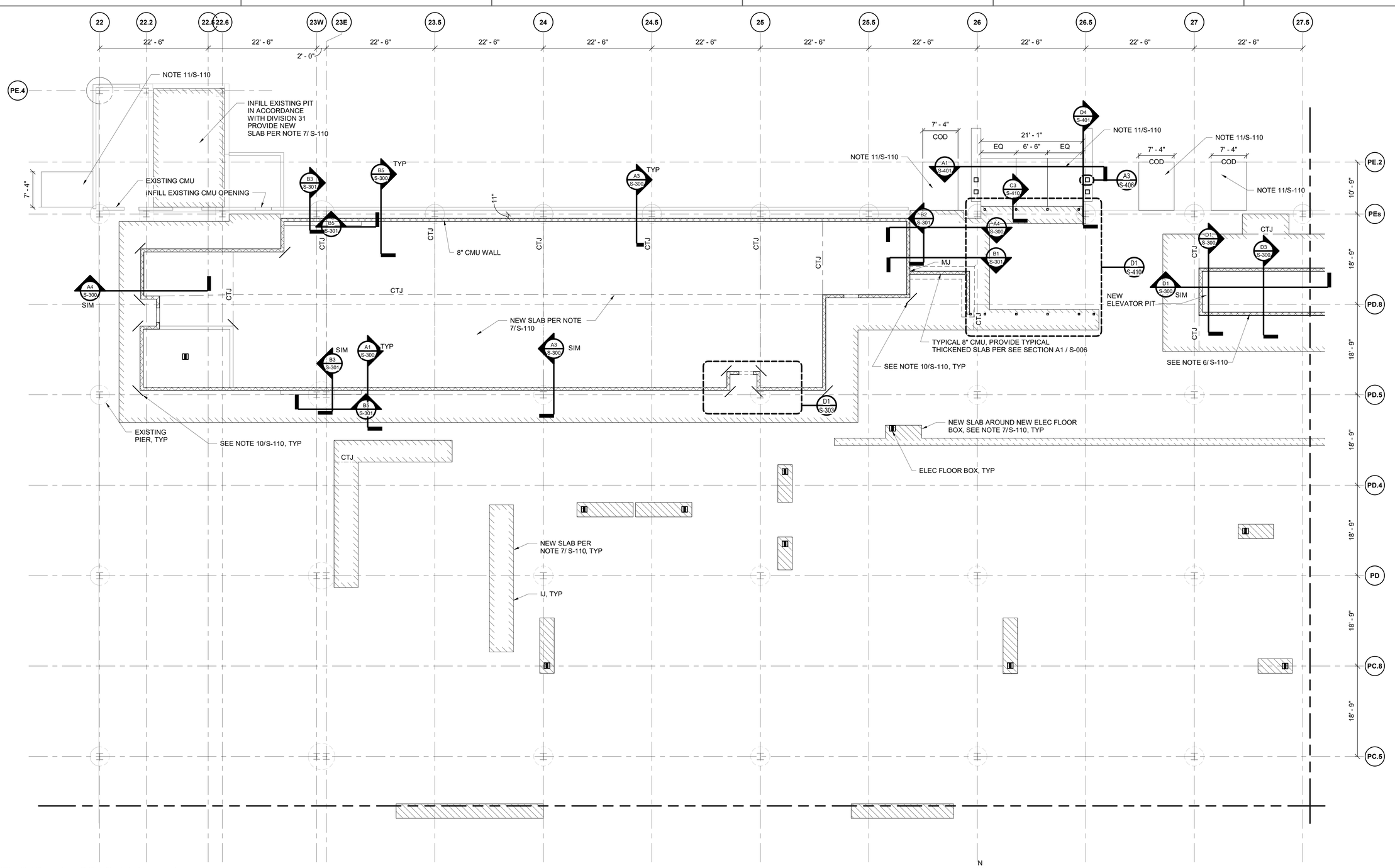
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND LEVEL SLAB PLAN OVERALL

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-110.DWG
SHEET IDENTIFICATION: S-110
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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A1 GROUND FLOOR SLAB PLAN AREA -A

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

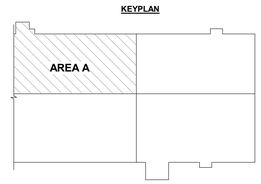
0 4' 8' 16'

N

GENERAL NOTES:

1. SEE SHEET S-110 FOR NOTES.

KEYPLAN



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KANSAS CITY, MO 64114

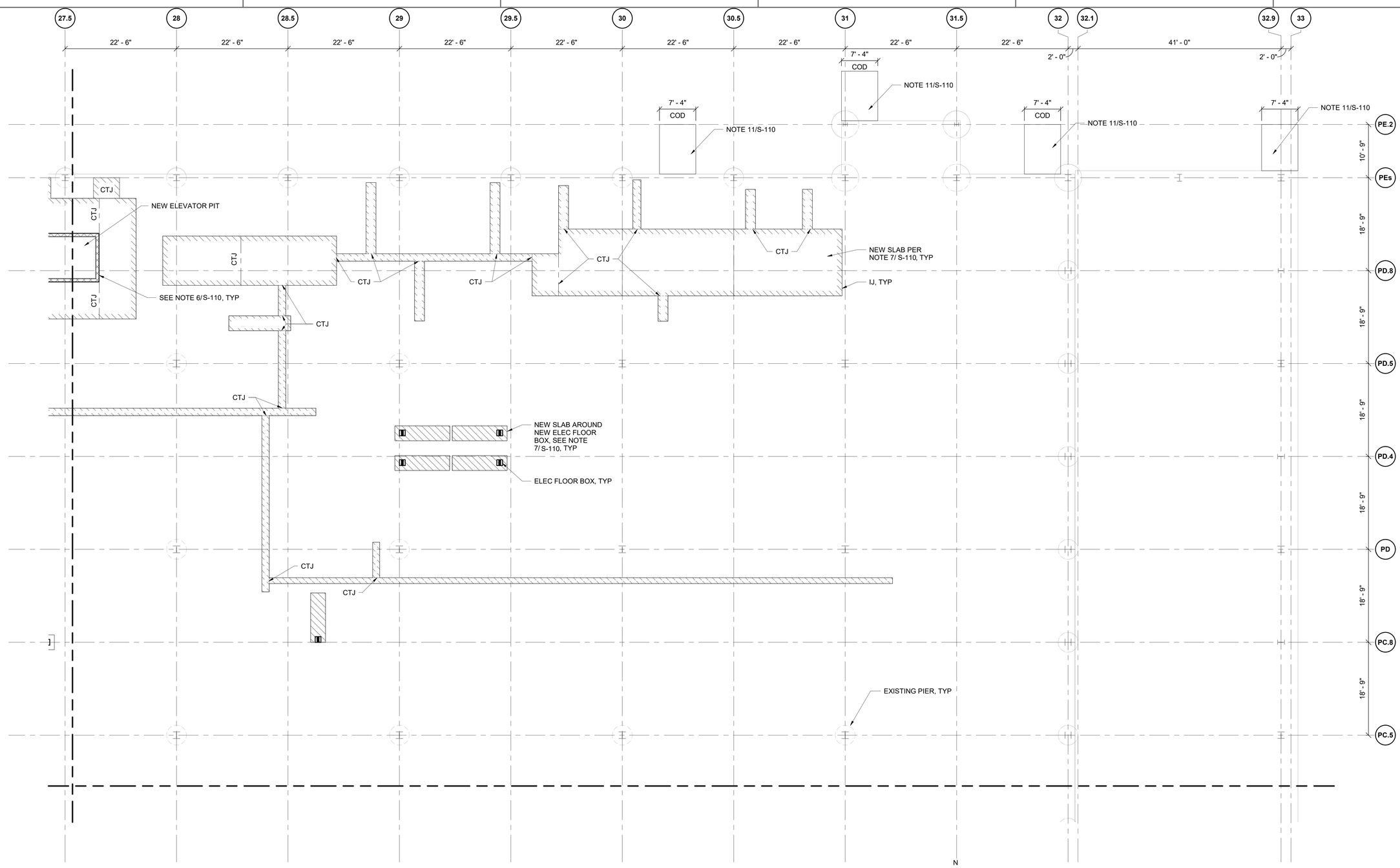
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CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND LEVEL SLAB PLAN AREA - A

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-111.DWG
SHEET IDENTIFICATION	S-111
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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B1 GROUND FLOOR SLAB PLAN AREA - B
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. SEE SHEET S-110 FOR NOTES.

KEYPLAN



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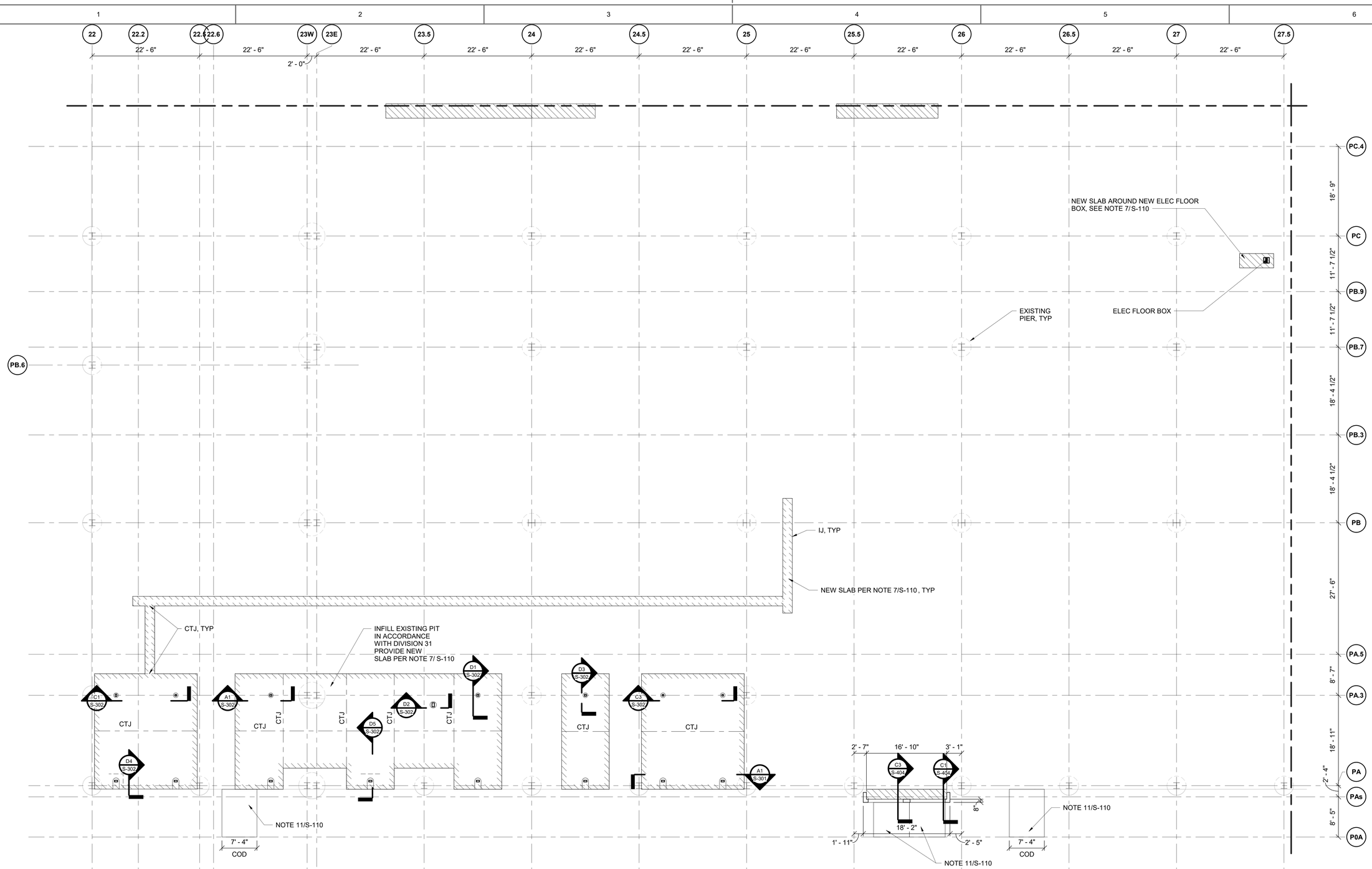
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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GROUND LEVEL SLAB PLAN AREA - B

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE: SIZE:	AS NOTED 42x30
DATE:	03/22/18
FILE NUMBER:	104444S-112.DWG
SHEET IDENTIFICATION	S-112
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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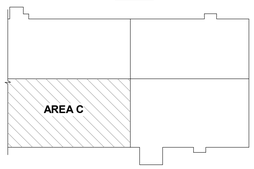


A1 GROUND FLOOR SLAB PLAN AREA - C
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. SEE SHEET S-110 FOR NOTES.

KEYPLAN



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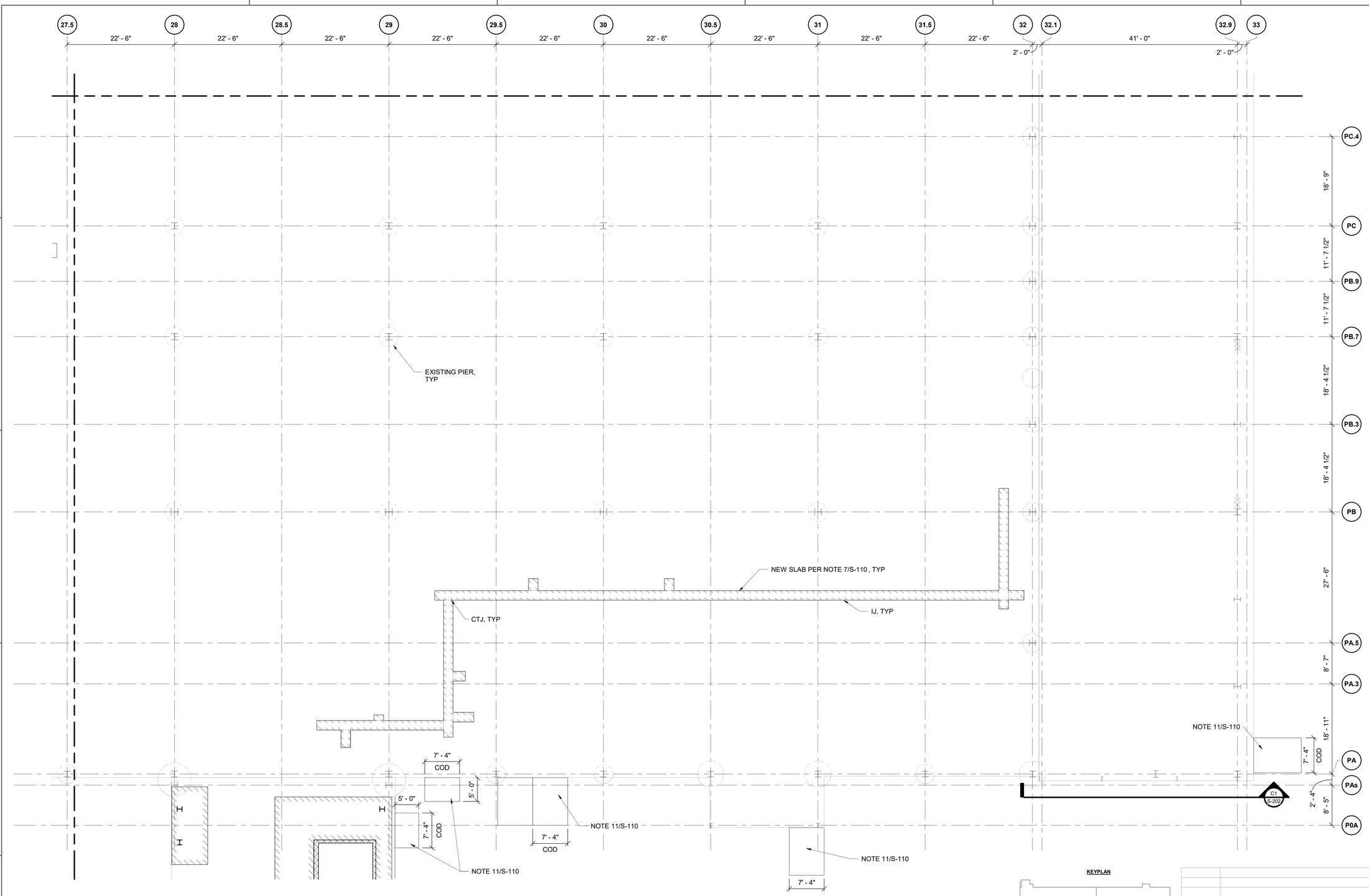
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GROUND LEVEL SLAB PLAN AREA - C

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-113.DWG
SHEET IDENTIFICATION	S-113
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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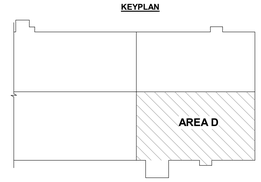
A1 GROUND FLOOR SLAB PLAN AREA - D

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

GENERAL NOTES:

1. SEE SHEET S-110 FOR NOTES.

KEYPLAN



N

0 4' 8' 16'

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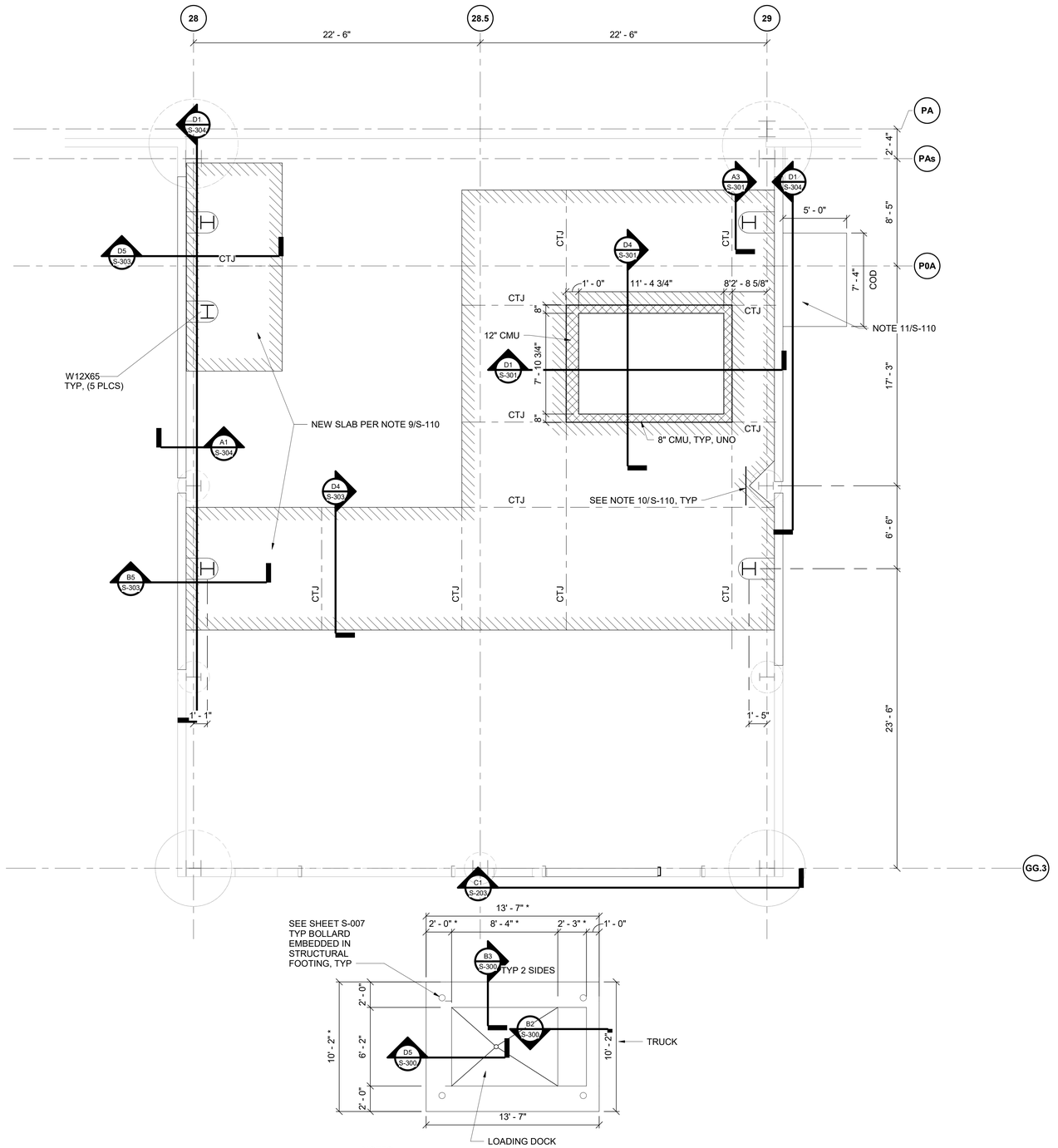
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OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GROUND LEVEL SLAB PLAN AREA - D

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-114.DWG
SHEET IDENTIFICATION	S-114
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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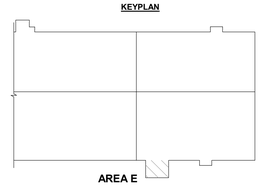
NOTES:
1. SEE CIVIL FOR LOCATION.
2. * GC TO COORDINATE DIMENSIONS W/ LOADING DOCK LIFT PROVIDED.

A1 GROUND FLOOR SLAB PLAN AREA - E
SCALE: 1/4" = 1'-0"

0 4' 8' 16'

N

KEYPLAN



AREA E

GENERAL NOTES:

1. SEE SHEET S-110 FOR NOTES.

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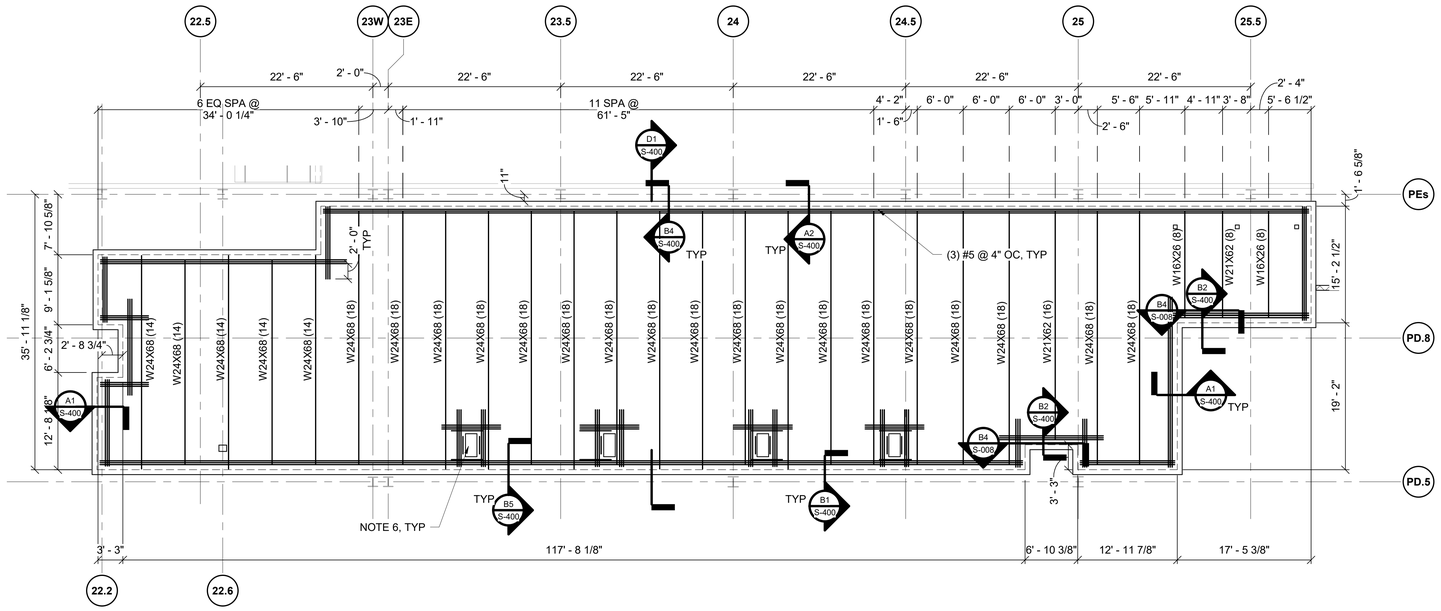
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OKLAHOMA CITY, OKLAHOMA

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GROUND LEVEL SLAB PLAN AREA - E

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	06/29/18
FILE NUMBER:	104444S-115.DWG
SHEET IDENTIFICATION	S-115
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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A1 TORNADO SHELTER T/SLAB EL 111' - 0 1/2"
SCALE: 1/8" = 1'-0"

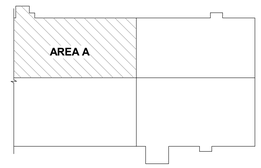
N

0 4' 8' 16'
SCALE:1/8"=1'

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS, AND STANDARD BEAM CONNECTIONS.
5. 4 1/2" CONCRETE ON 2" METAL DECK, 6 1/2" TOTAL THICKNESS. TOP OF SLAB ELEVATION = 111'-0 1/2". PROVIDE WWF 4x4-W2.9xW2.9, LOCATED 1" FROM TOP OF SLAB.
6. SEE B1/S-009 FOR FRAMING AT OPENING. COORDINATE SIZE AND LOCATION WITH MECH.

KEYPLAN



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REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

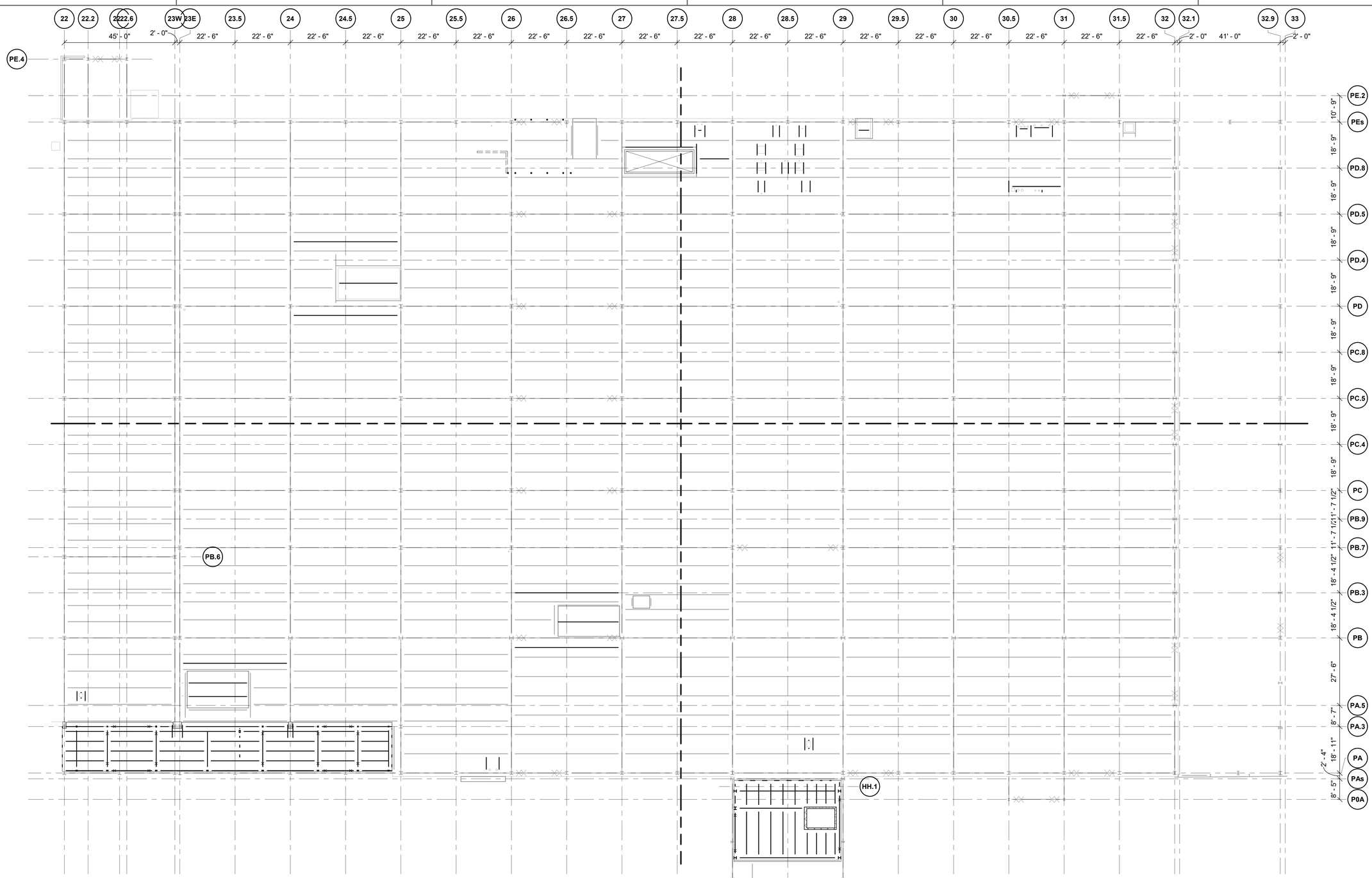
US Army Corps of Engineers

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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

TORNADO SHELTER FRAMING PLAN

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 06/29/18
FILE NUMBER: 104444S-119.DWG
SHEET IDENTIFICATION: S-119
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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A1 SIXTEEN FOOT FLOOR PLAN OVERALL
SCALE: 1/16" = 1'-0"

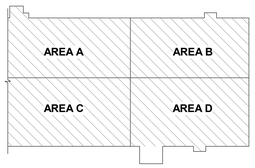
0 8' 16' 32'

N

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS, AND STANDARD BEAM CONNECTIONS.
5. 4" CONCRETE ON 2" 20 GAGE COMPOSITE METAL DECK, 6" TOTAL THICKNESS. TOP OF SLAB TO MATCH EXISTING SLAB (116'-0"). T/STL EL 115'-6" UNO.
   SEE S-010 FOR TYPICAL ELEVATED SLAB DETAIL INDICATING REINFORCING REQUIREMENTS.
6. * COORDINATE DIMENSIONS WITH EXISTING CONDITIONS.
7. FOR INFILL OF OPENING 2'-0" OR SMALLER SEE SECTION A2 / S-402
8. SEE SECTION B1 / S-009 FOR NEW OPENING FRAMING. SAWCUT OPENING IN EXISTING DECK TO ALLOW FOR NEW DUCTWORK PENETRATION. COORDINATE OPENING SIZE WITH MECH AND EXISTING CONDITIONS.
9. FOR PIPING PENETRATIONS 3" DIA. OR SMALLER, CAREFULLY DRILL THROUGH EXISTING CONCRETE SLAB WITHOUT DAMAGING SLAB REINFORCEMENT. FOR PIPING PENETRATIONS GREATER THAN 3" DIA., CUT OPENING LARGE ENOUGH TO ACCOMMODATE PIPING SLEEVE. OPENING SIZE MAY BE INCREASED TO ACCOMODATE ADDITIONAL PENETRATIONS CLOSELY SPACED TOGETHER. FOR OPENING FRAMING SEE SECTION B1 / S-009 AND INFILL WITH DECK AND CONCRETE AROUND SLEEVED PENETRATIONS IN ACCORDANCE WITH NOTE 5. SEE SECTION A1 / S-009 FOR DECK INFILL DETAILS. COORDINATE OPENING SIZE WITH MECH, FIRE AND EXISTING CONDITIONS.
10. SEE SECTION D2 / S-006 FOR FLOOR DRAIN DETAIL. CUT EXISTING SLAB WIDE ENOUGH TO ACCOMODATE DETAIL.
11. **INDICATES T/STL EL IS NOT TYPICAL. SEE SECTION FOR T/STL.
12. PROVIDE STANDARD BOLT CONNECTION WITH 4 BOLTS AT W18X86 SUPPORT. COPE AS REQUIRED TO FRAME INTO W18X86.

KEYPLAN



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TULSA, OKLAHOMA

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DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

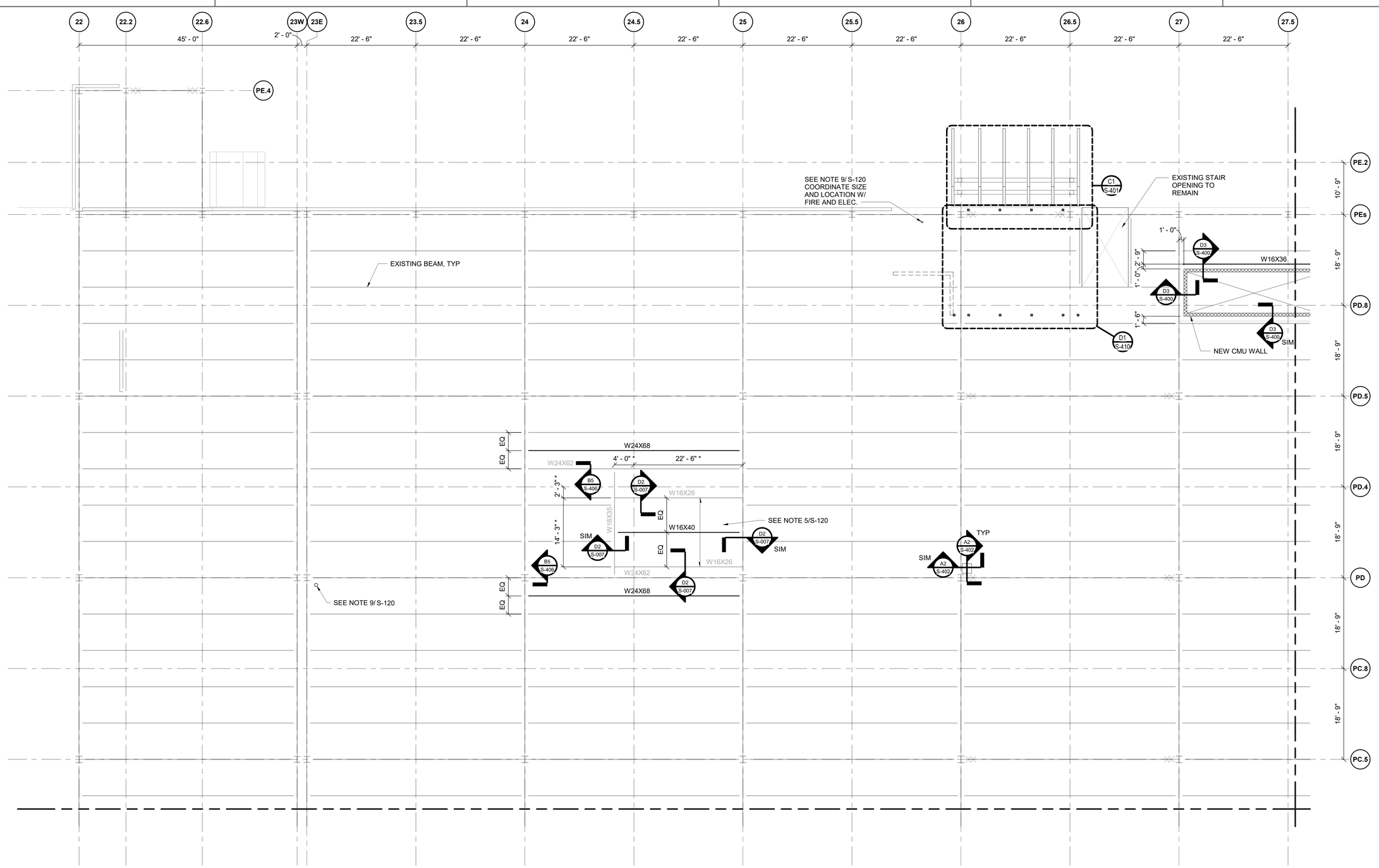
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

SIXTEEN FOOT FLOOR OVERALL

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-120.DWG
SHEET IDENTIFICATION: S-120
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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A1 SIXTEEN FOOT FLOOR PLAN AREA - A

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

N

0 4' 8' 16'

KEYPLAN

AREA A

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GENERAL NOTES:

1. SEE SHEET S-120 FOR NOTES.

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TULSA, OKLAHOMA

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DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

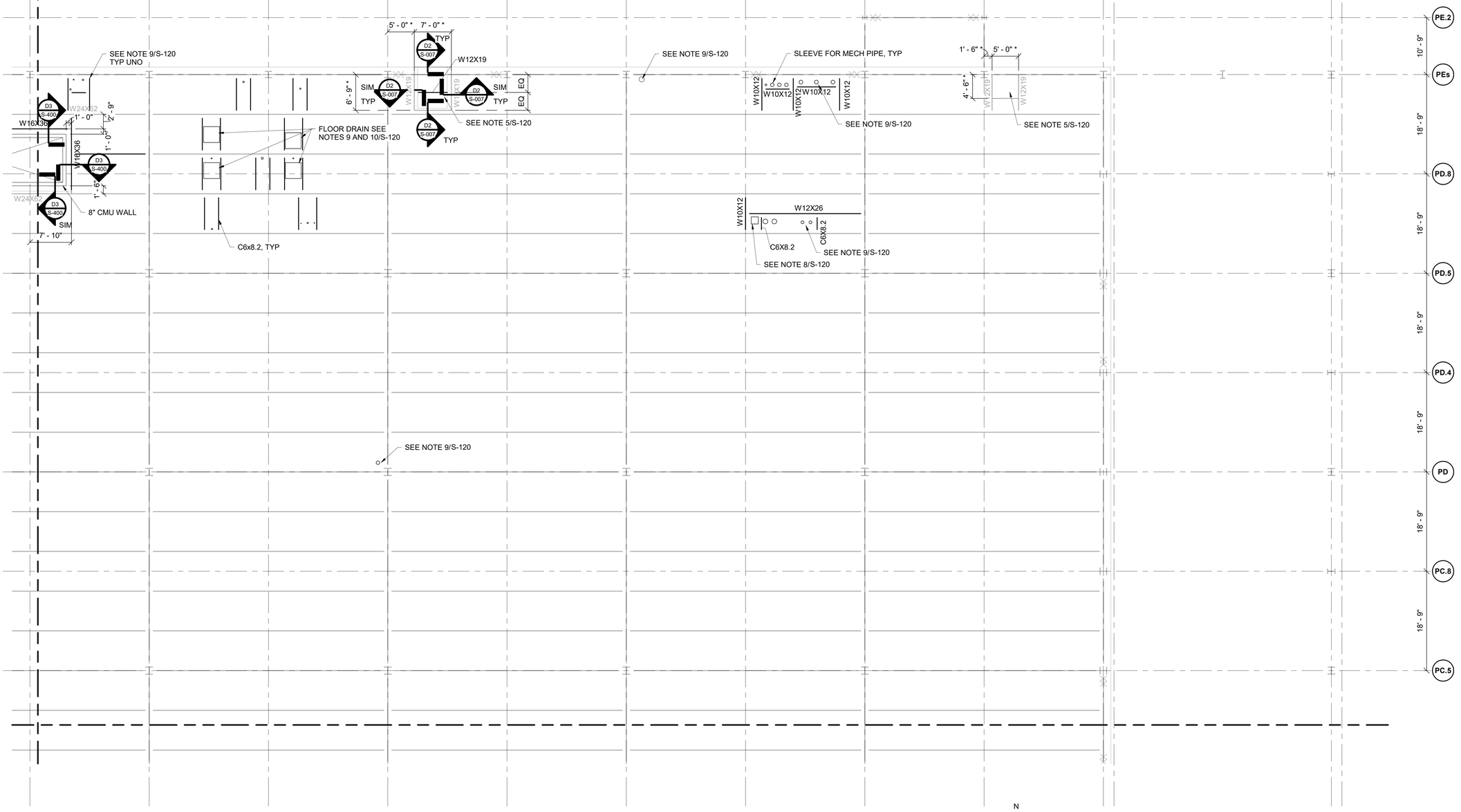
US Army Corps of Engineers

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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

SIXTEEN FOOT FLOOR AREA - A

PLOT SCALE: AS NOTED | SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-121.DWG
SHEET IDENTIFICATION: S-121
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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B1 SIXTEEN FOOT FLOOR PLAN AREA - B

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

N

0 4' 8' 16'

GENERAL NOTES:

1. SEE SHEET S-120 FOR NOTES.

KEYPLAN



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KANSAS CITY, MO 64114

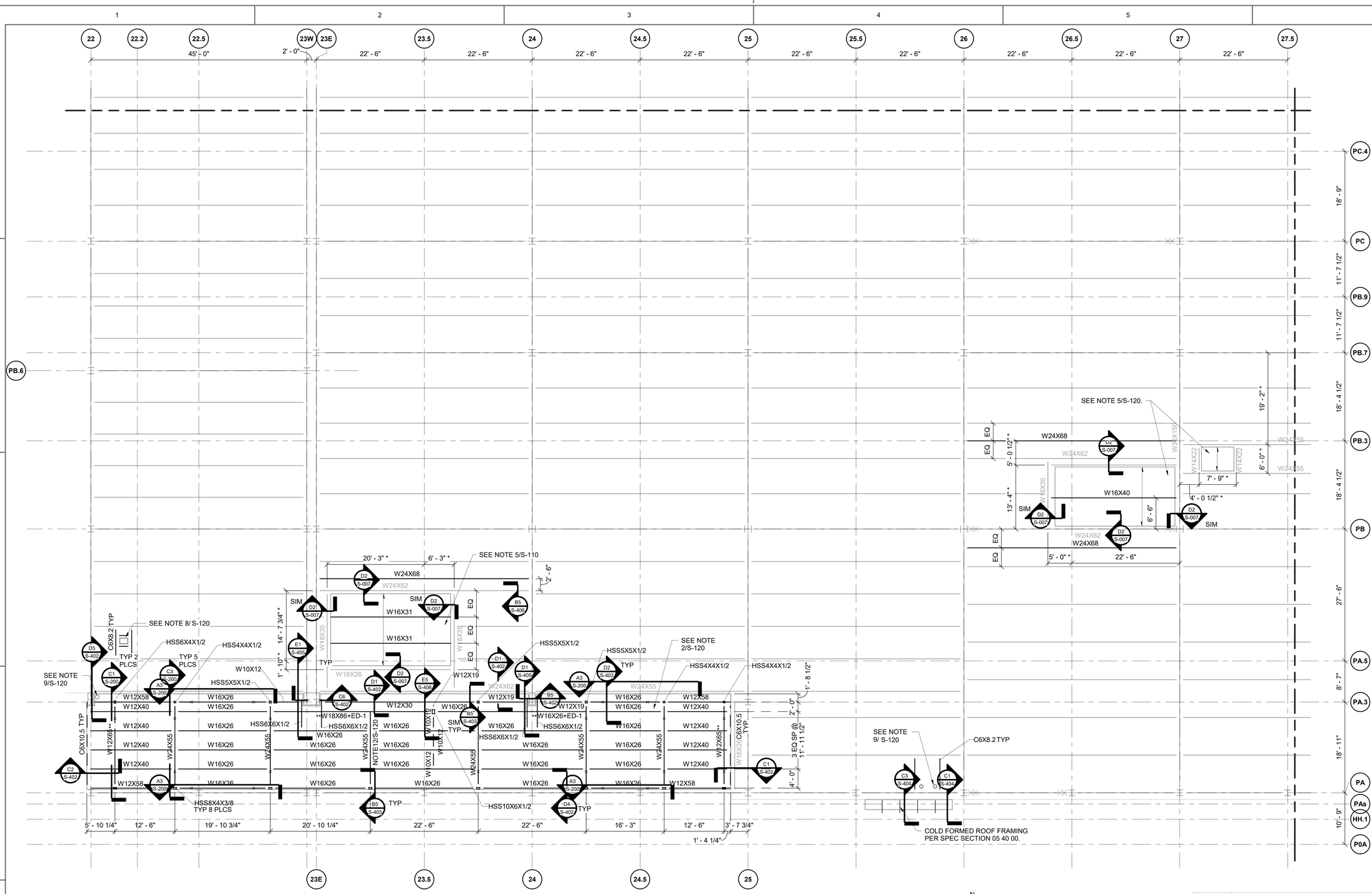
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TULSA, OKLAHOMA

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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

SIXTEEN FOOT FLOOR AREA - B

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-122.DWG
SHEET IDENTIFICATION	S-122
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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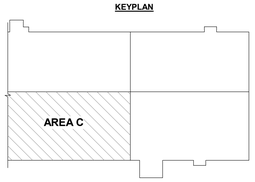
B1 SIXTEEN FOOT FLOOR PLAN AREA - C

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

N

0 4' 8' 16'

KEYPLAN



GENERAL NOTES:

1. SEE SHEET S-120 FOR NOTES.

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TULSA, OKLAHOMA

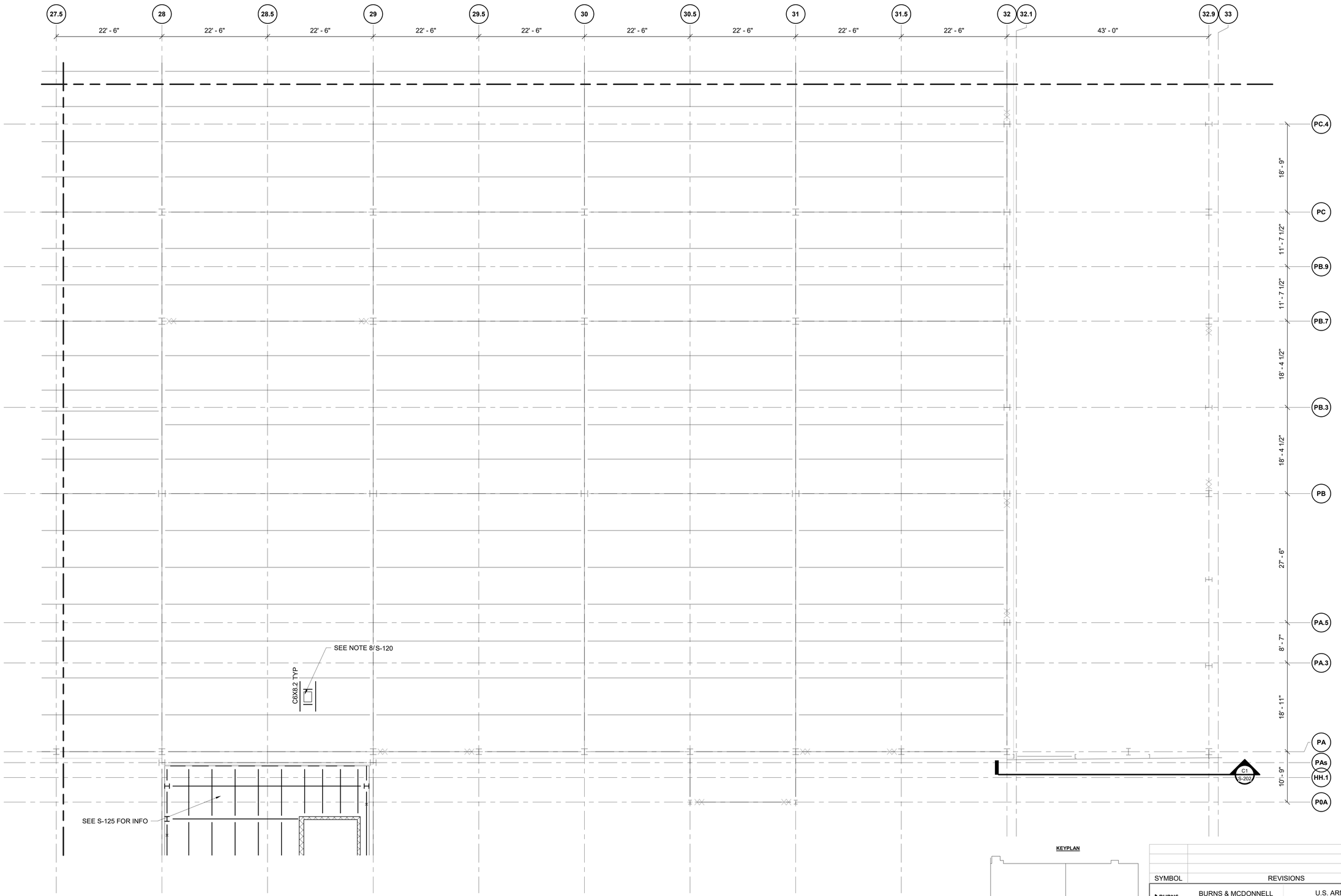
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OKLAHOMA CITY, OKLAHOMA

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SIXTEEN FOOT FLOOR AREA - C

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-123.DWG
SHEET IDENTIFICATION	S-123
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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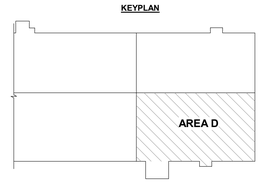


A1 SIXTEEN FOOT FLOOR PLAN AREA - D
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. SEE SHEET S-120 FOR NOTES.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
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SYMBOL	REVISIONS	DATE	APPROVED

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KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

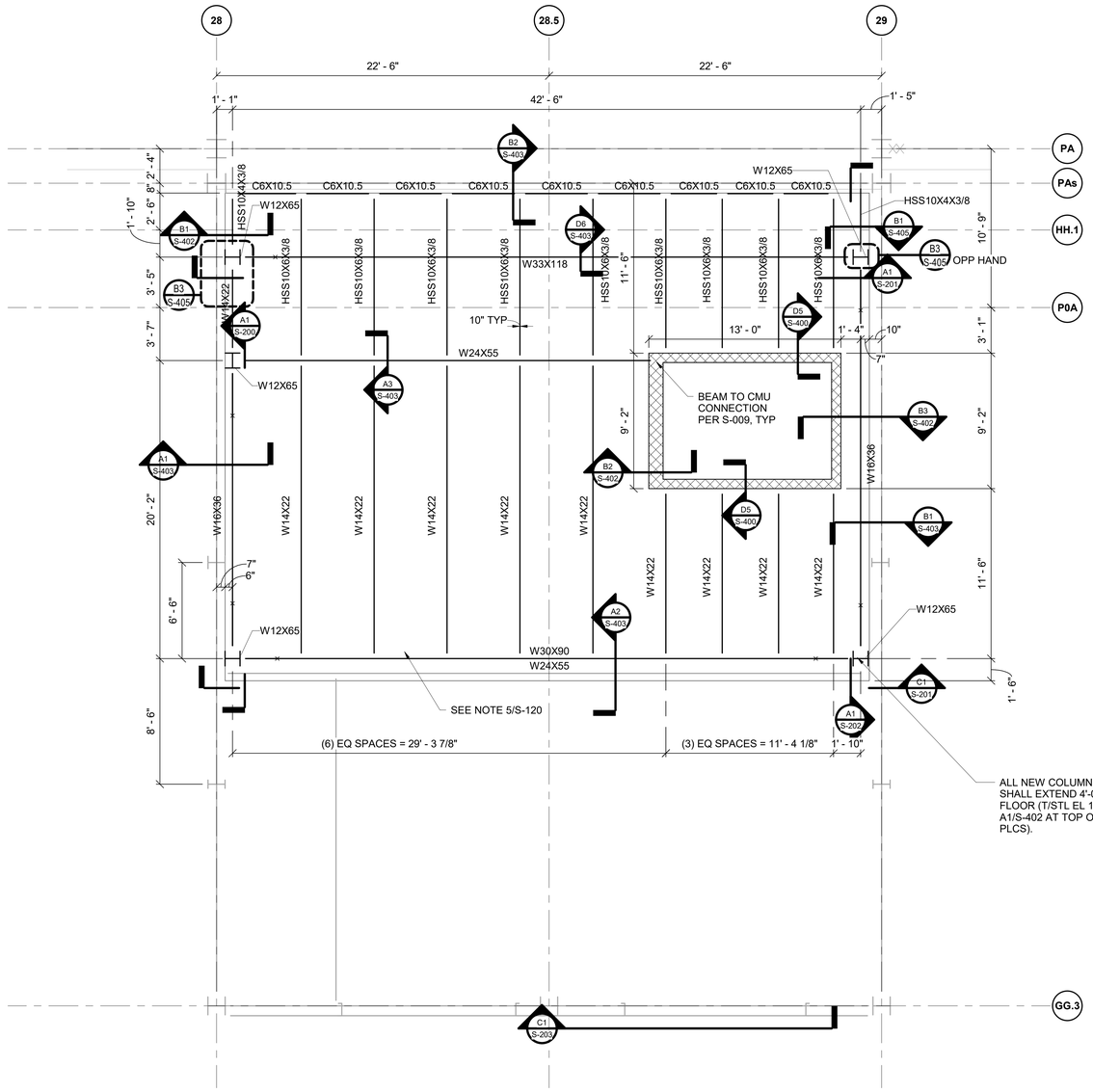
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

SIXTEEN FOOT FLOOR AREA - D

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-124.DWG
SHEET IDENTIFICATION	S-124
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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A1 SIXTEEN FOOT FLOOR PLAN AREA - E
SCALE: 1/4" = 1'-0"

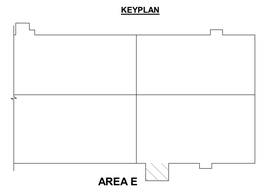
N

0 4' 8' 16'

GENERAL NOTES:

1. SEE SHEET S-120 FOR NOTES.

KEYPLAN



AREA E

CORRECTED FINAL
BACKCHECK (100%)
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KANSAS CITY, MO 64114

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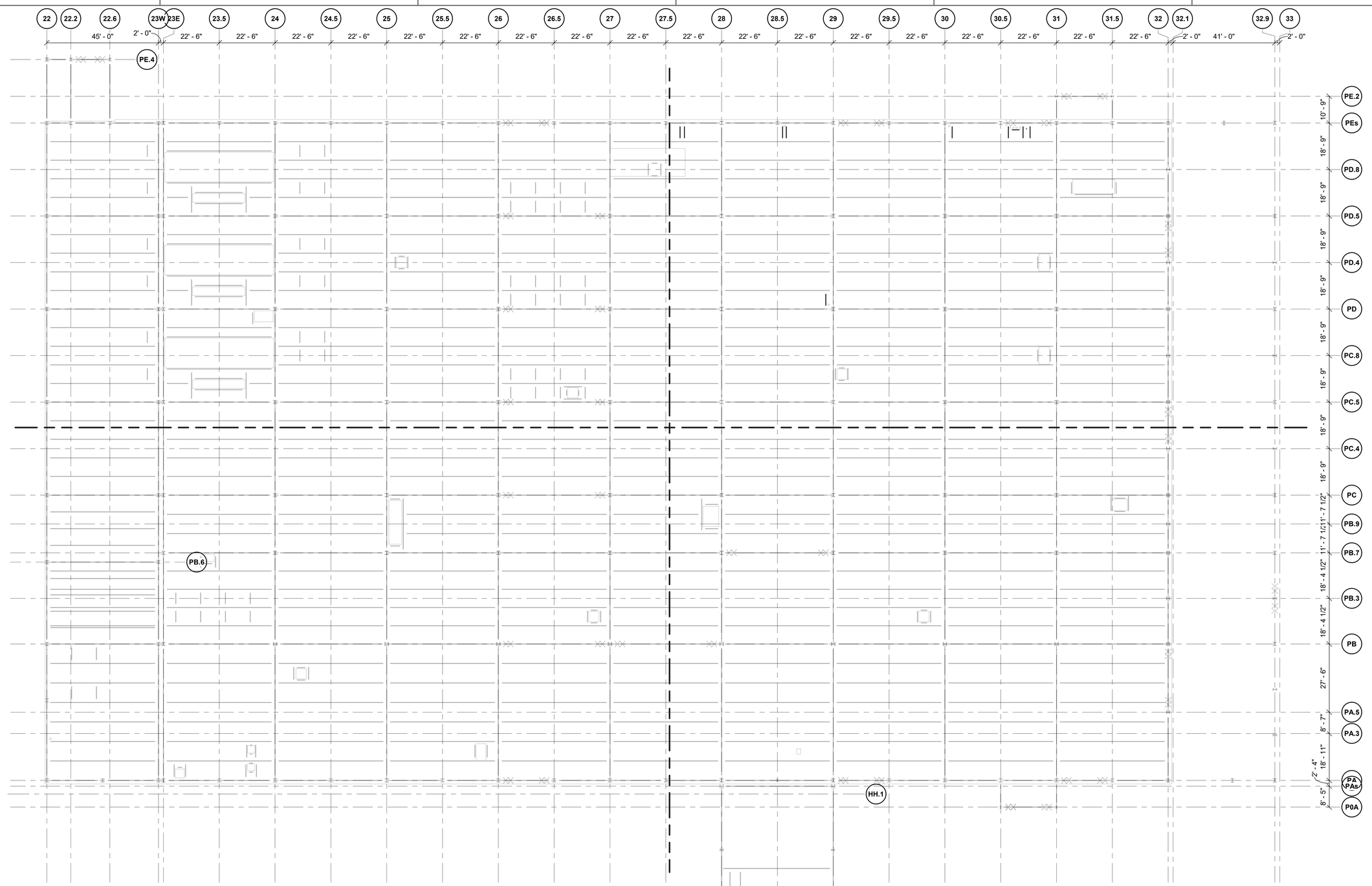
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

SIXTEEN FOOT FLOOR AREA - E

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	06/29/18
FILE NUMBER:	104444S-125.DWG
SHEET IDENTIFICATION	S-125
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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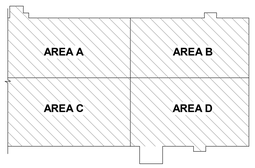


A1 FORTY FOOT FLOOR PLAN OVERALL
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS, AND STANDARD BEAM CONNECTIONS.
5. 3" CONCRETE ON 2" 20 GAGE COMPOSITE METAL DECK, 5" TOTAL THICKNESS. TOP OF SLAB TO MATCH EXISTING SLAB (140'-0").
   SEE S-010 FOR TYPICAL ELEVATED SLAB DETAIL INDICATING REINFORCING REQUIREMENTS.
6. * COORDINATE DIMENSIONS WITH EXISTING CONDITIONS.
7. OPENINGS ARE NOT REQUIRED TO BE INFILLED UNLESS NOTED IN NOTES 8 AND 9.
8. SEE SECTION B1 / S-009 FOR NEW OPENING FRAMING. SAWCUT OPENING IN EXISTING DECK TO ALLOW FOR NEW DUCTWORK PENETRATION. COORDINATE OPENING SIZE WITH MECH AND EXISTING CONDITIONS.
9. FOR PIPING PENETRATIONS 3" DIA. OR SMALLER, CAREFULLY DRILL THROUGH EXISTING CONCRETE SLAB WITHOUT DAMAGING SLAB REINFORCEMENT. FOR PIPING PENETRATIONS GREATER THAN 3" DIA., CUT OPENING LARGE ENOUGH TO ACCOMMODATE PIPING SLEEVE. OPENING SIZE MAY BE INCREASED TO ACCOMODATE ADDITIONAL PENETRATIONS CLOSELY SPACED TOGETHER. FOR OPENING FRAMING SEE SECTION B1 / S-009 AND INFILL WITH DECK AND CONCRETE AROUND SLEEVED PENETRATIONS IN ACCORDANCE WITH NOTE 5. SEE SECTION A1 / S-009 FOR DECK INFILL DETAILS. COORDINATE OPENING SIZE WITH MECH AND EXISTING CONDITIONS.

KEYPLAN



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9400 WARD PARKWAY
KANSAS CITY, MO 64114

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CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

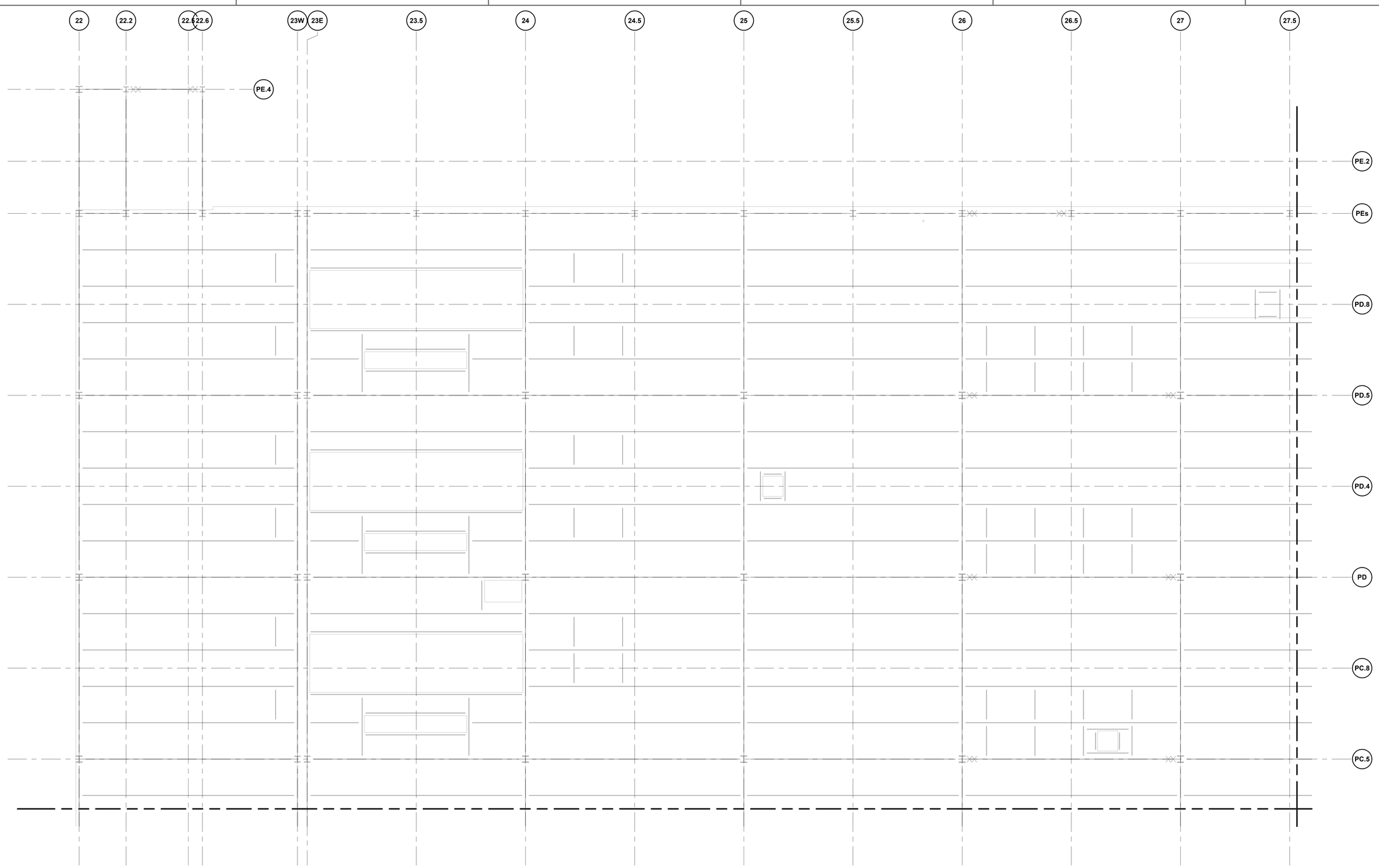
US Army Corps of Engineers

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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FORTY FOOT FLOOR OVERALL

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444S-130.DWG
SHEET IDENTIFICATION: S-130
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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A1 FORTY FOOT FLOOR PLAN AREA - A

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

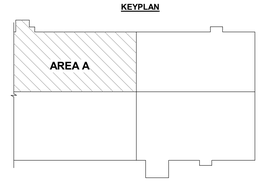
N

0 4' 8' 16'

GENERAL NOTES:

1. SEE SHEET S-130 FOR NOTES.

KEYPLAN



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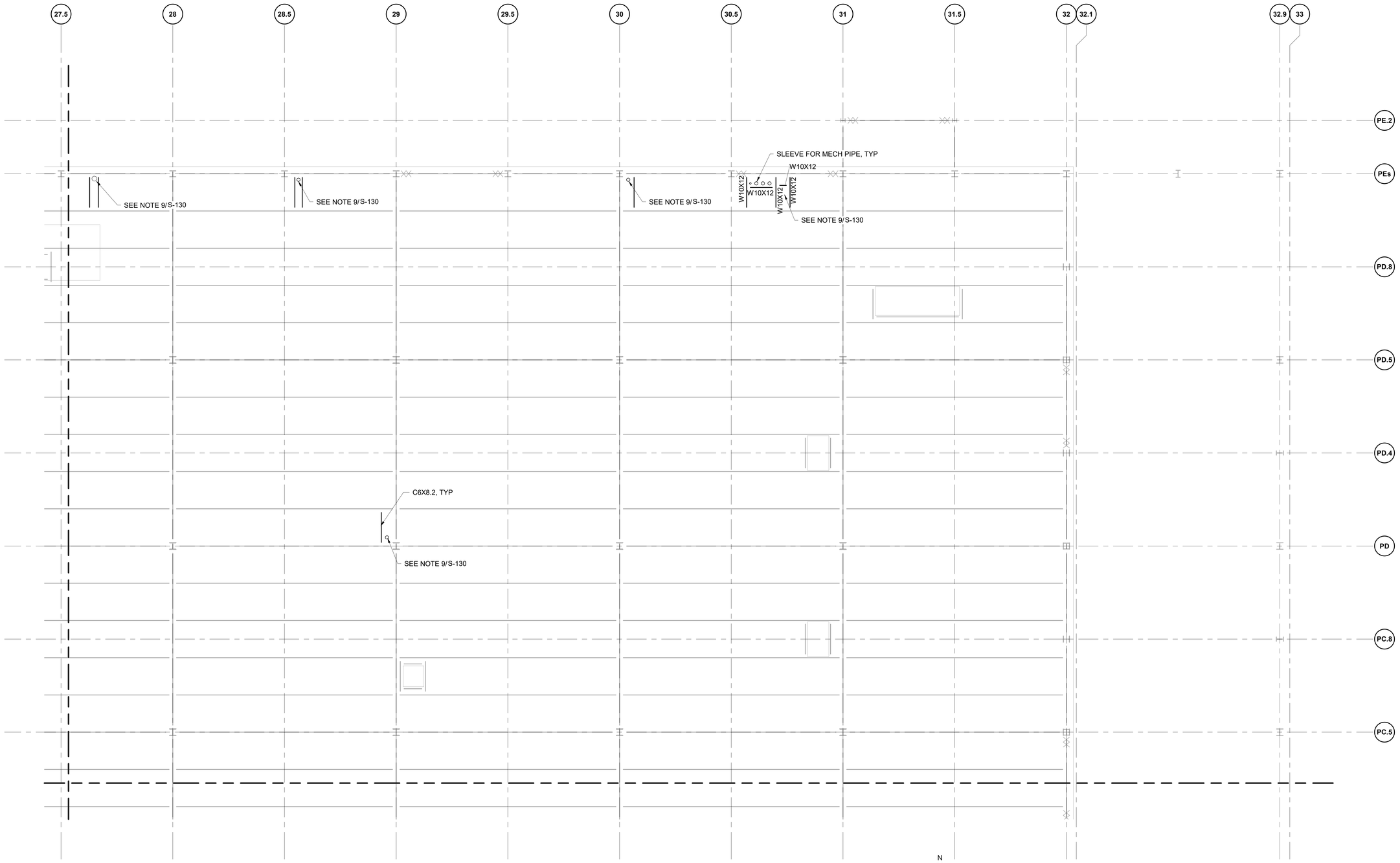
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

FORTY FOOT FLOOR AREA - A

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/14/18
FILE NUMBER:	104444S-131.DWG
SHEET IDENTIFICATION	S-131
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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A1 FORTY FOOT FLOOR PLAN AREA - B
SCALE: 1/8" = 1'-0"

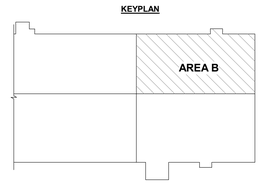
N

0 4' 8' 16'

GENERAL NOTES:

1. SEE SHEET S-130 FOR NOTES.

KEYPLAN



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BACKCHECK (100%)
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KANSAS CITY, MO 64114

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TULSA, OKLAHOMA

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DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

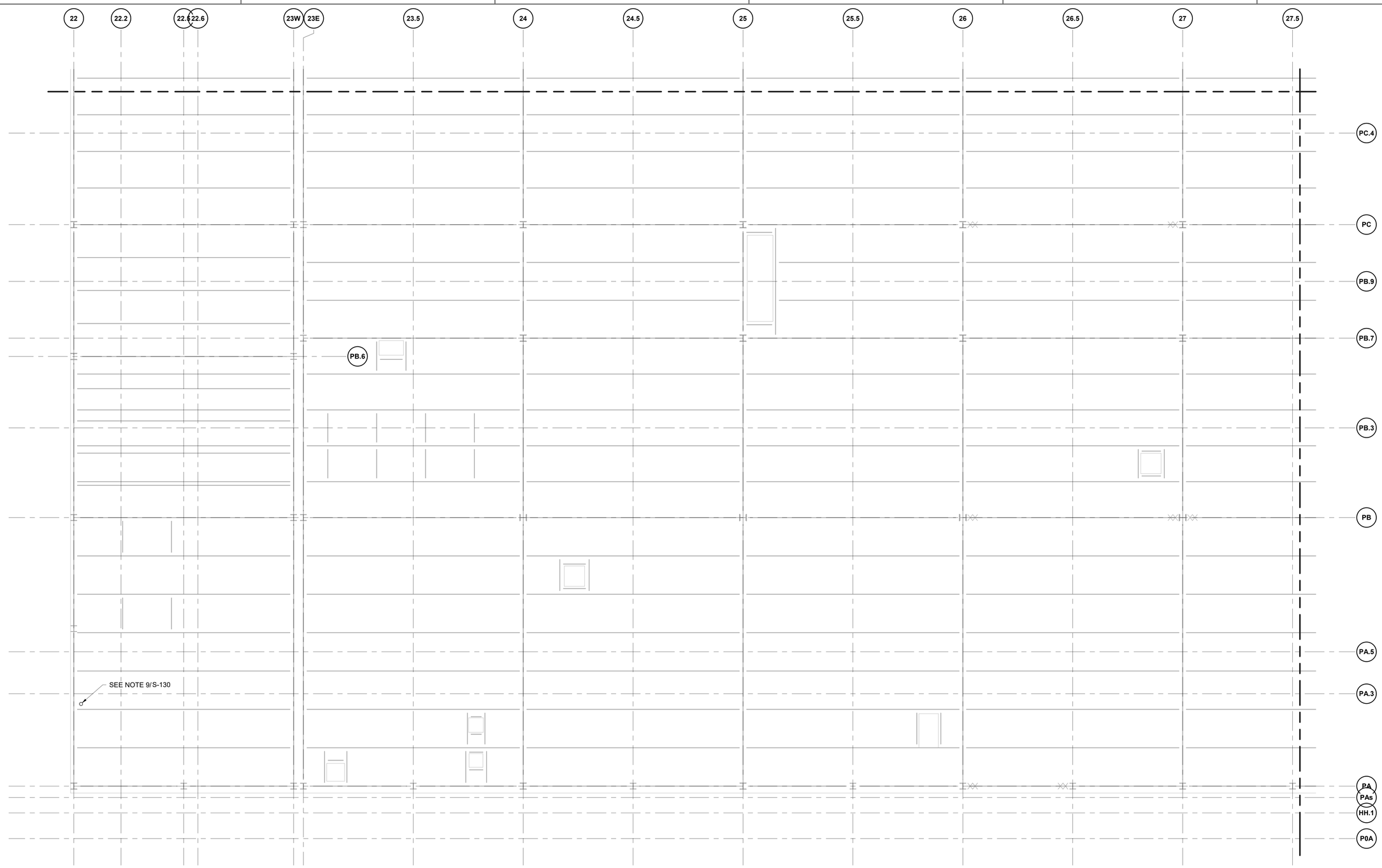
US Army Corps of Engineers

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OKLAHOMA CITY, OKLAHOMA

FORTY FOOT FLOOR AREA - B

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444S-132.DWG
SHEET IDENTIFICATION: S-132
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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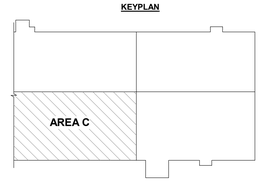


A1 FORTY FOOT FLOOR PLAN AREA - C
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

KEYPLAN



GENERAL NOTES:

1. SEE SHEET S-130 FOR NOTES.

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TULSA, OKLAHOMA

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DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

US Army Corps of Engineers

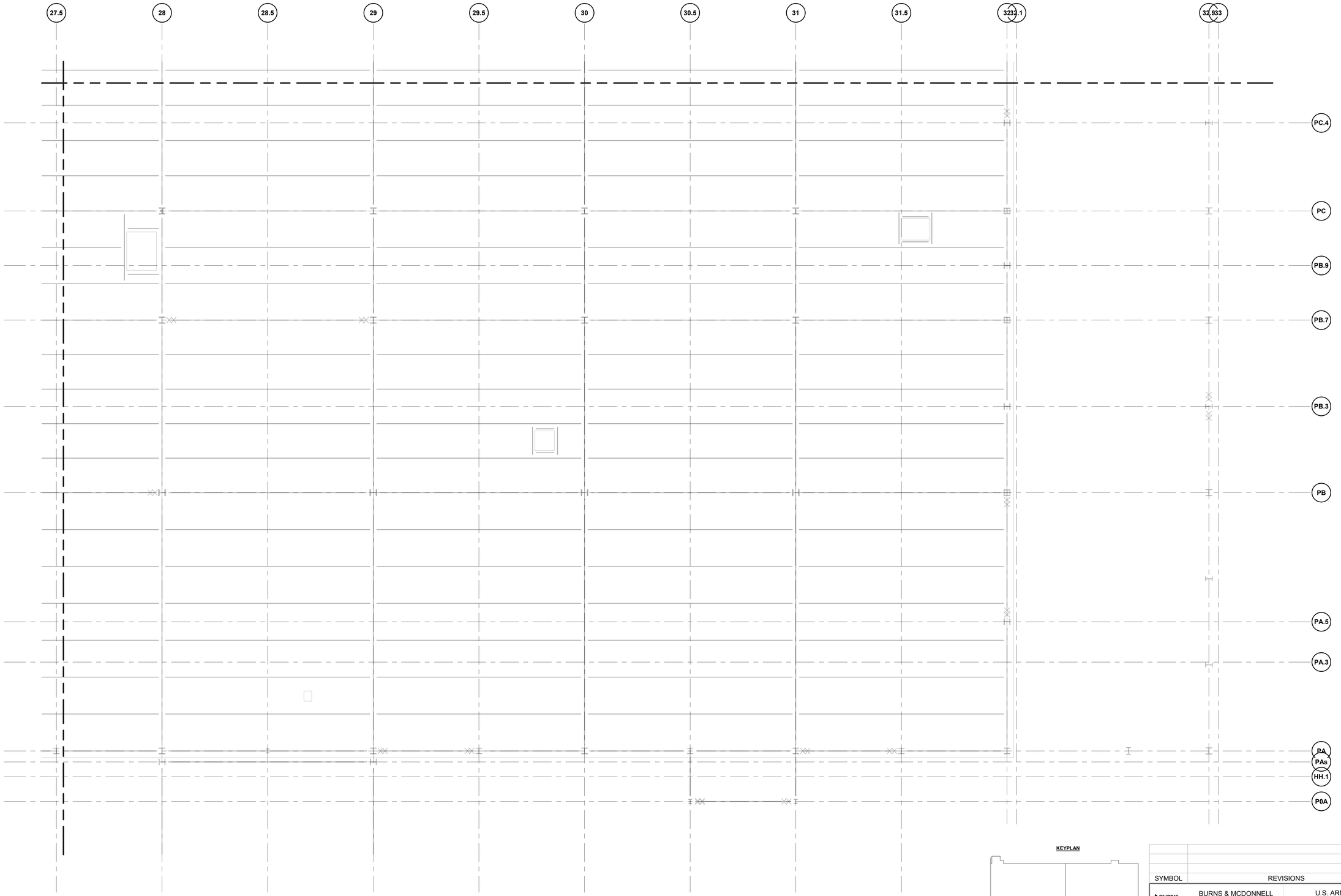
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FORTY FOOT FLOOR AREA - C

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444S-133.DWG

SHEET IDENTIFICATION: S-133
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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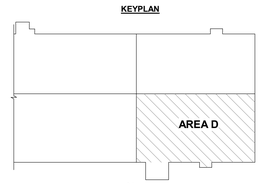


A1 FORTY FOOT FLOOR PLAN AREA - D
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. SEE SHEET S-130 FOR NOTES.

KEYPLAN



0 4' 8' 16'

CORRECTED FINAL
BACKCHECK (100%)
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TULSA, OKLAHOMA

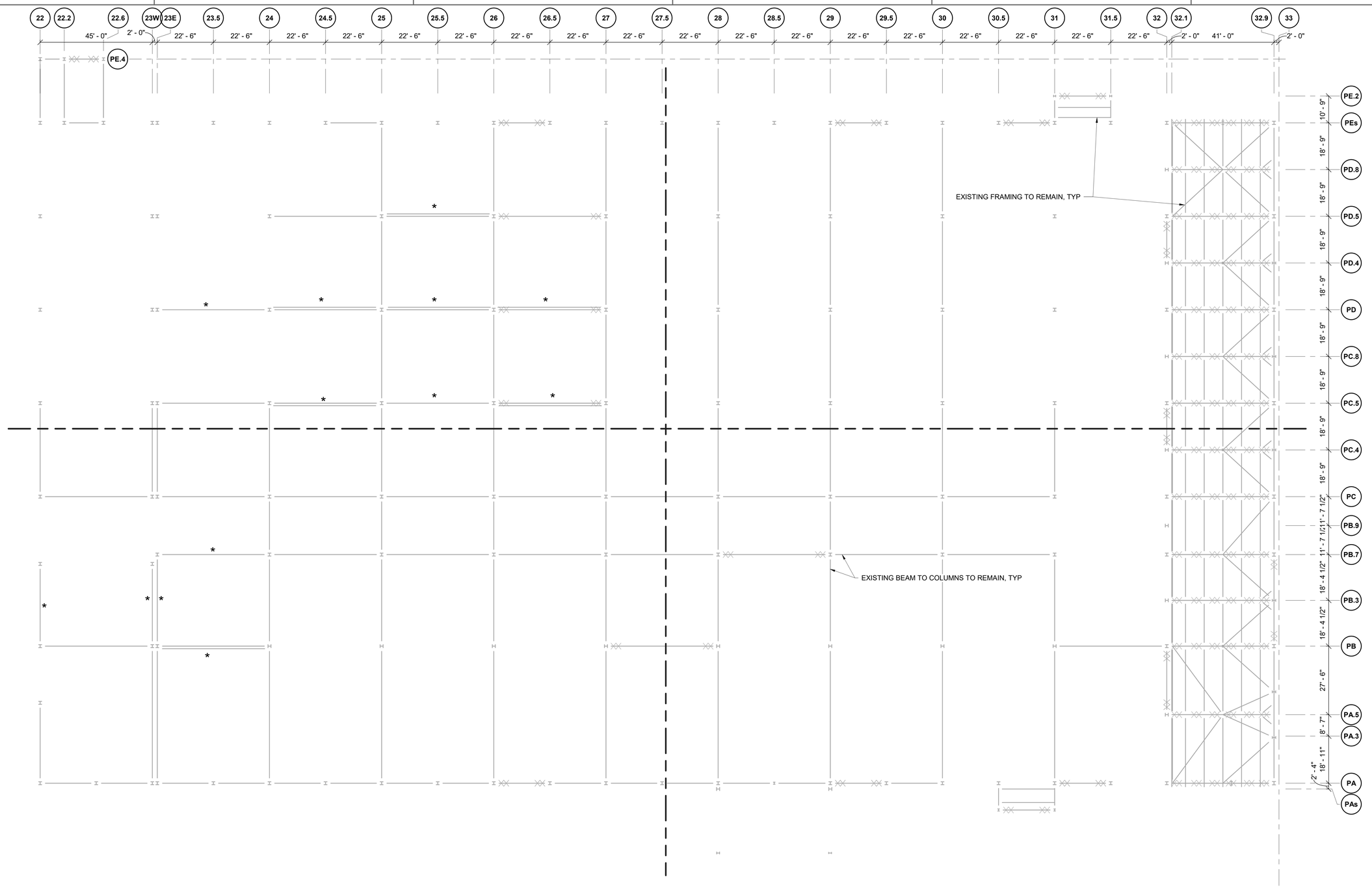
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

FORTY FOOT FLOOR AREA - D

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/14/18
FILE NUMBER:	104444S-134.DWG
SHEET IDENTIFICATION	S-134
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
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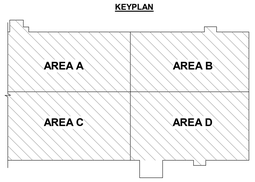


A1 GRILLAGE LEVEL OVERALL PLAN
SCALE: 1/16" = 1'-0"

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS, AND STANDARD BEAM CONNECTIONS.
5. GRILLAGE LEVEL T/STL ELEV = 54' - 6" TYP, UNO.
6. * INDICATES T/STL ELEV = 57' - 6".

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
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CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

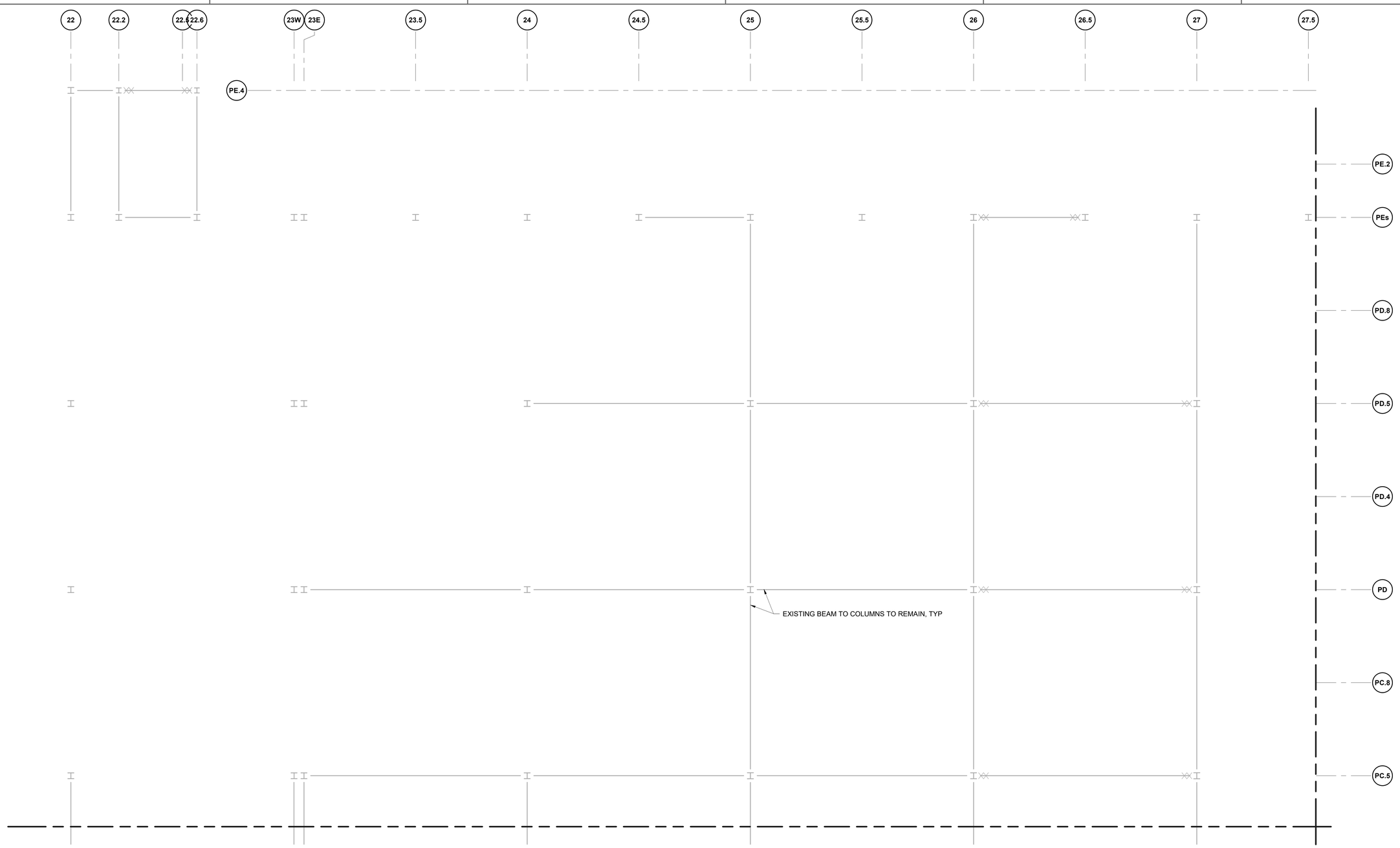
US Army Corps of Engineers

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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GRILLAGE LEVEL OVERALL

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444S-140.DWG
SHEET IDENTIFICATION: S-140
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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A1 GRILLAGE LEVEL PLAN AREA - A
SCALE: 1/8" = 1'-0"

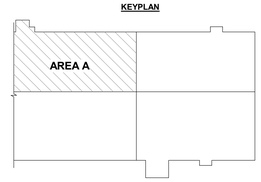
N

0 4' 8' 16'

GENERAL NOTES:

1. SEE SHEET S-140 FOR NOTES.

KEYPLAN



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TULSA, OKLAHOMA

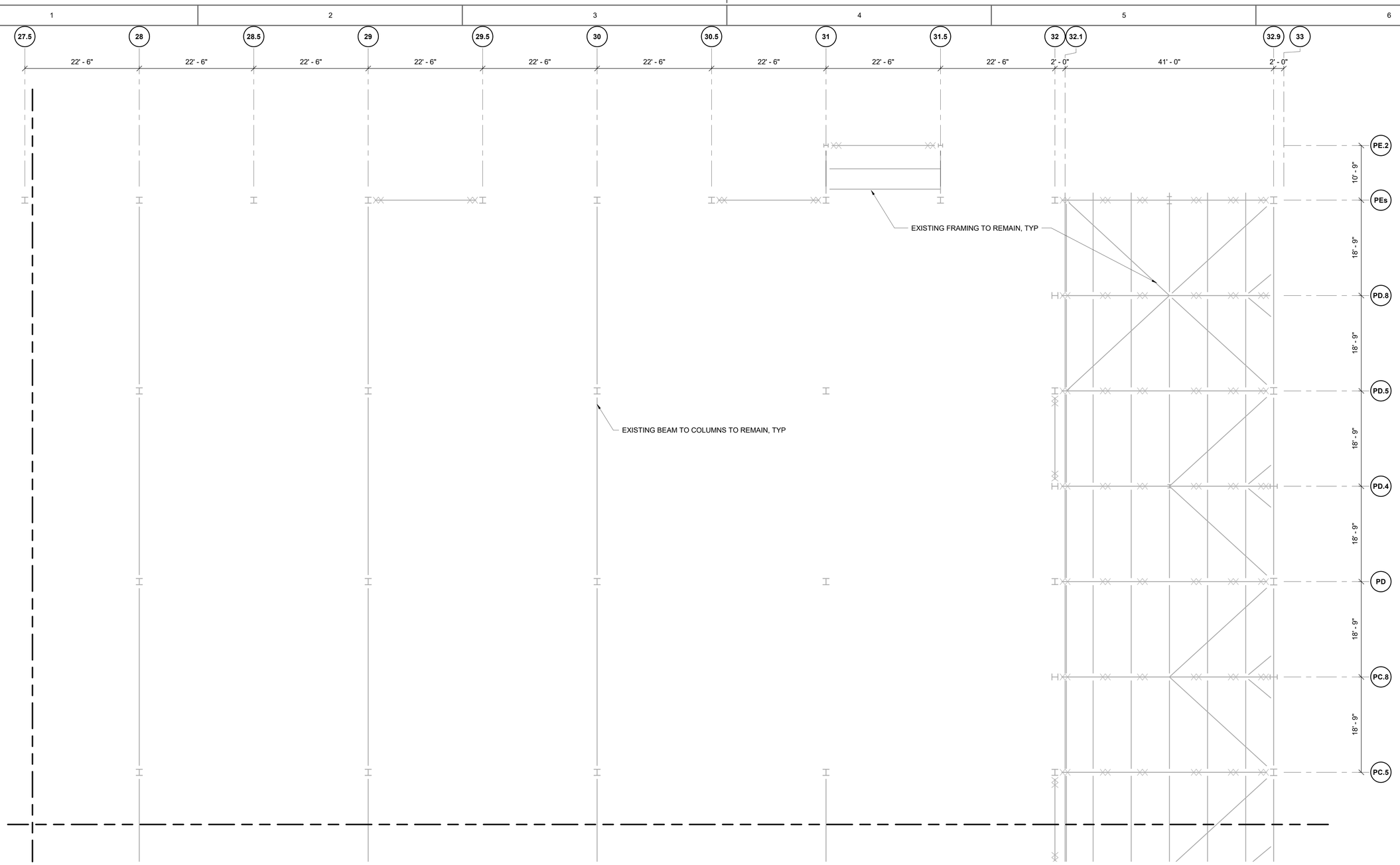
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GRILLAGE LEVEL AREA - A

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/14/18
FILE NUMBER:	104444S-141.DWG
SHEET IDENTIFICATION	S-141
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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A1 GRILLAGE LEVEL PLAN AREA - B

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

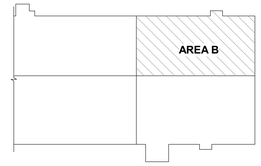
0 4' 8' 16'

N

GENERAL NOTES:

1. SEE SHEET S-140 FOR NOTES.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
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NOT FOR CONSTRUCTION

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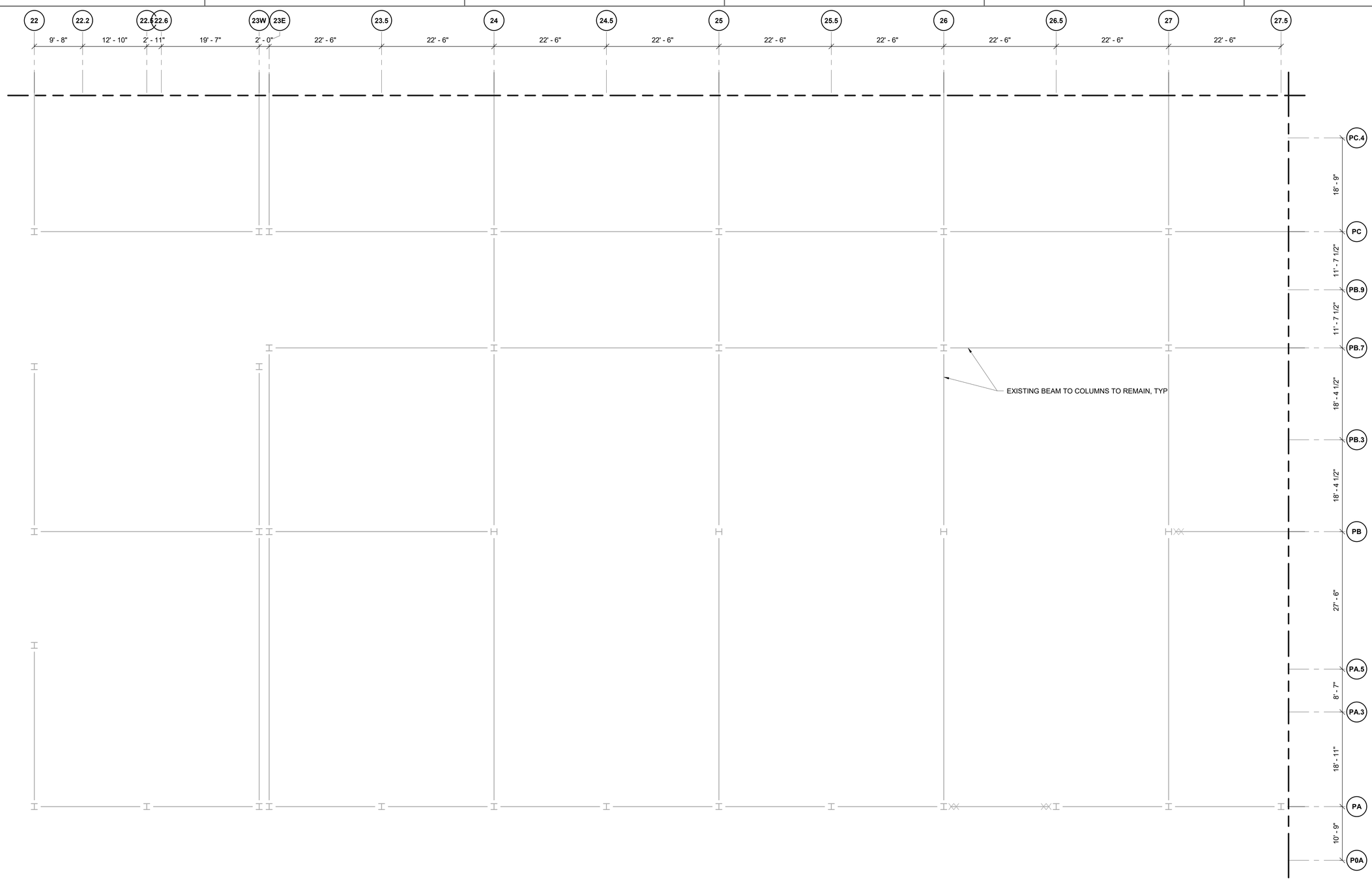
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GRILLAGE LEVEL AREA - B

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/14/18
FILE NUMBER:	104444S-142.DWG
SHEET IDENTIFICATION	S-142
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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A1 GRILLAGE LEVEL PLAN AREA - C

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

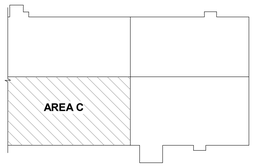
N

0 4' 8' 16'

GENERAL NOTES:

1. SEE SHEET S-140 FOR NOTES.

KEYPLAN



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BACKCHECK (100%)
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SYMBOL	REVISIONS	DATE	APPROVED

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OKLAHOMA CITY, OKLAHOMA

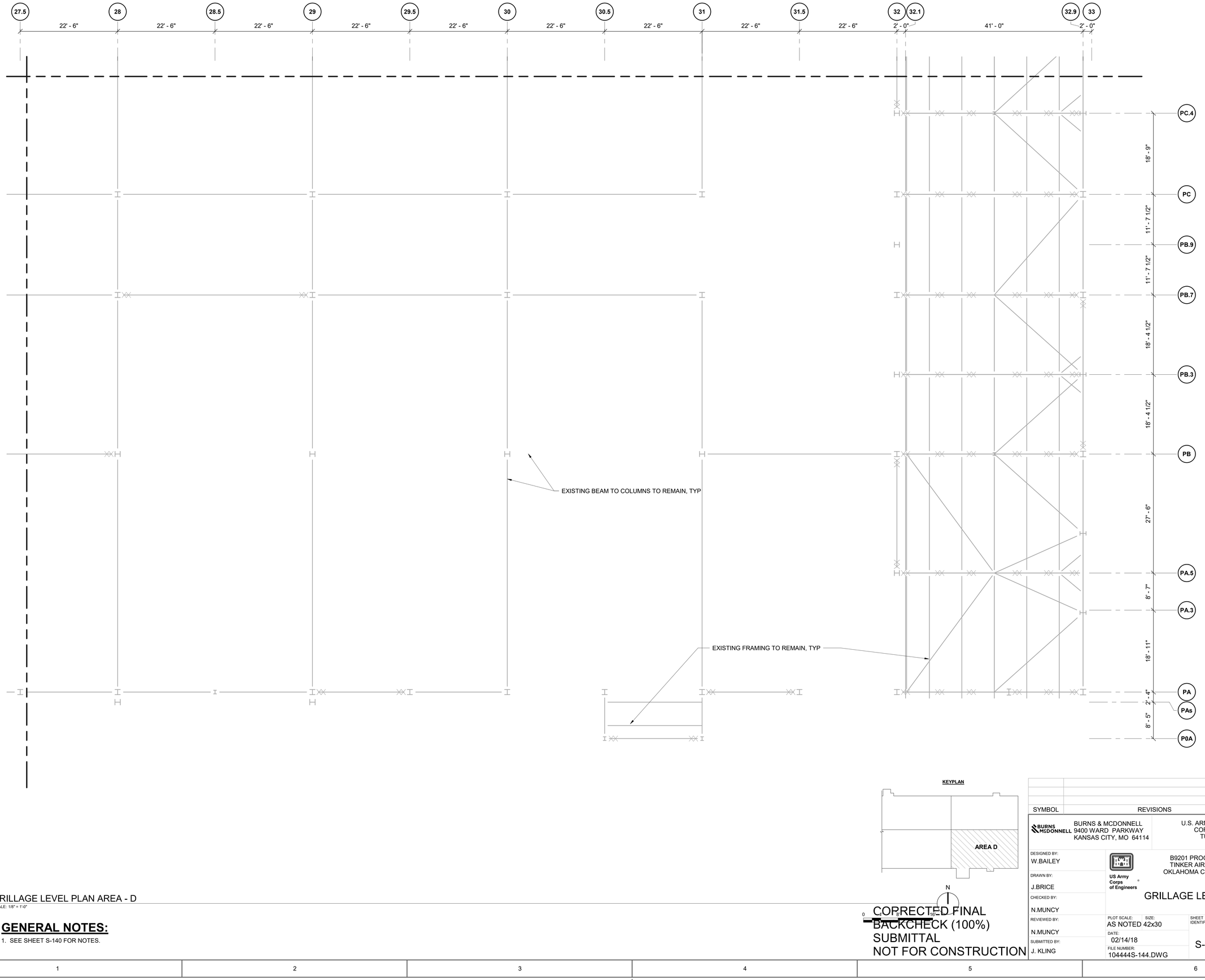
GRILLAGE LEVEL AREA - C

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/14/18
FILE NUMBER: 104444S-143.DWG

SHEET IDENTIFICATION: S-143
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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A1 GRILLAGE LEVEL PLAN AREA - D
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. SEE SHEET S-140 FOR NOTES.

KEYPLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

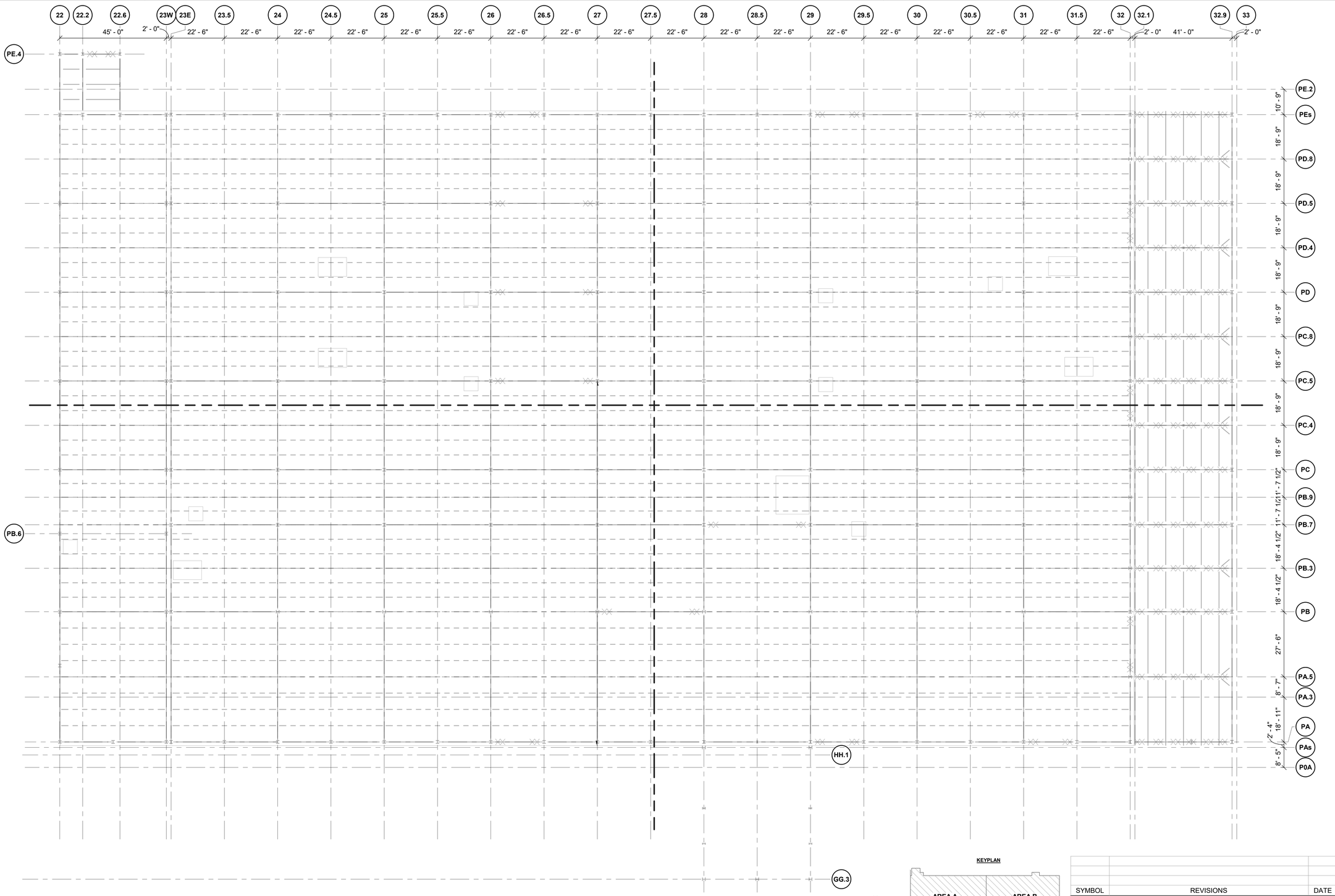
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GRILLAGE LEVEL AREA - D

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/14/18
FILE NUMBER:	104444S-144.DWG
SHEET IDENTIFICATION	S-144
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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A1 ROOF LEVEL OVERALL PLAN
SCALE: 1/16" = 1'-0"

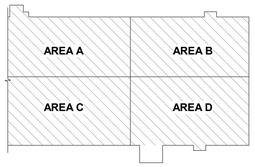
0 8' 16' 32'

N

GENERAL NOTES:

1. SEE S-001 FOR GENERAL NOTES.
2. SEE S-005, S-006 AND S-007 FOR STANDARD CONCRETE DETAILS.
3. SEE S-008 FOR STANDARD MASONRY DETAILS.
4. SEE S-009 AND S-010 FOR STANDARD STEEL DETAILS.
5. FOR ROOF DECK OPENING DETAILS AND ROOF DECK INFILL DETAILS SEE S-009. FIELD VERIFY LOCATIONS OF EXISTING OPENINGS AND INFILL. SEE ARCH/MECH/ELEC/FIRE FOR NEW OPENING LOCATIONS.
6. WHERE CONTRACTING OFFICER DETERMINES DECK IS TO BE REPLACED, REPLACE PER DECK REQUIREMENTS INDICATED ON S-001.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

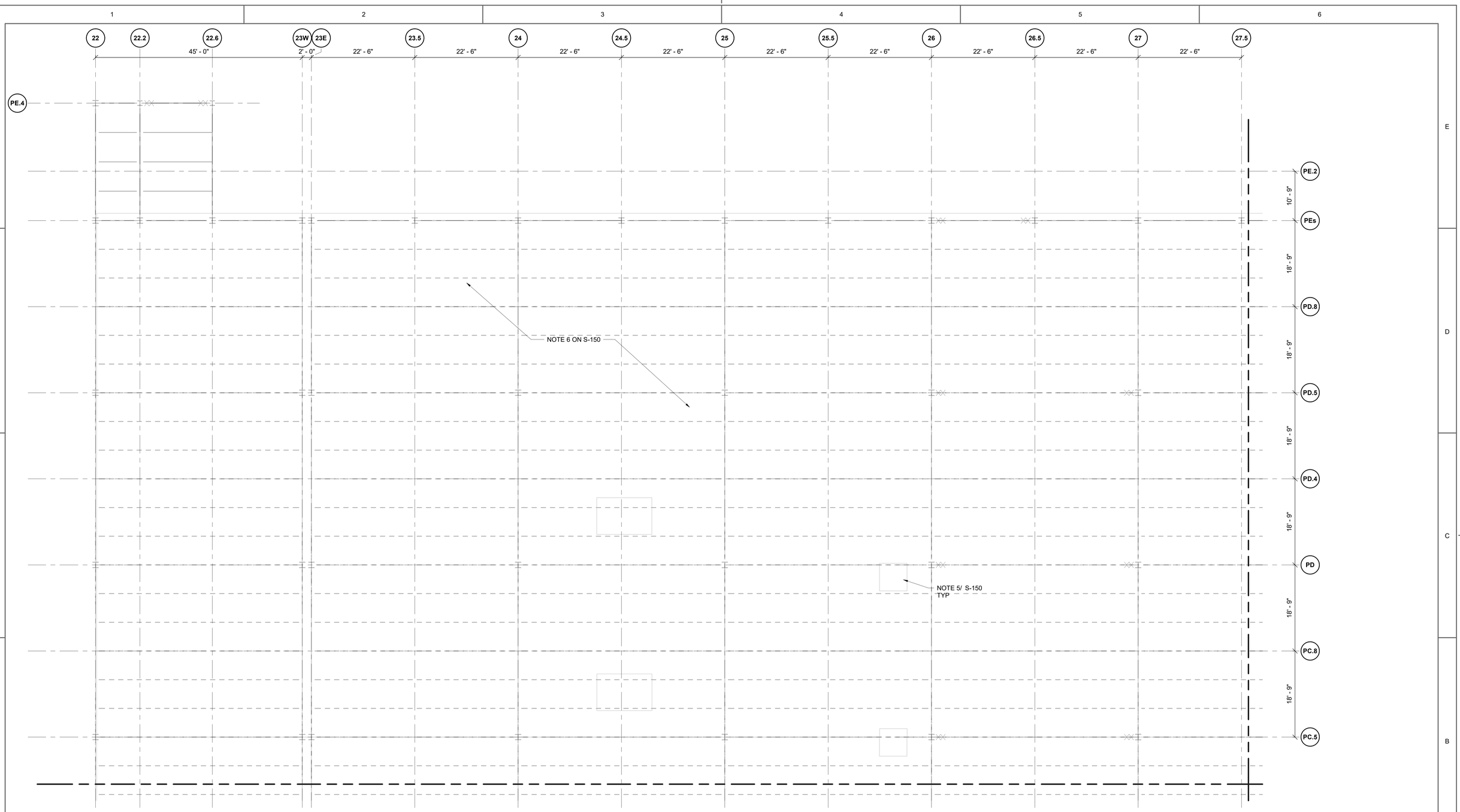
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ROOF LEVEL OVERALL

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-150.DWG
SHEET IDENTIFICATION: S-150
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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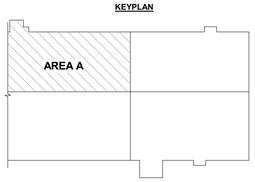


A1 ROOF LEVEL PLAN AREA - A
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

KEYPLAN



GENERAL NOTES:

1. SEE SHEET S-150 FOR NOTES.

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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9400 WARD PARKWAY
KANSAS CITY, MO 64114

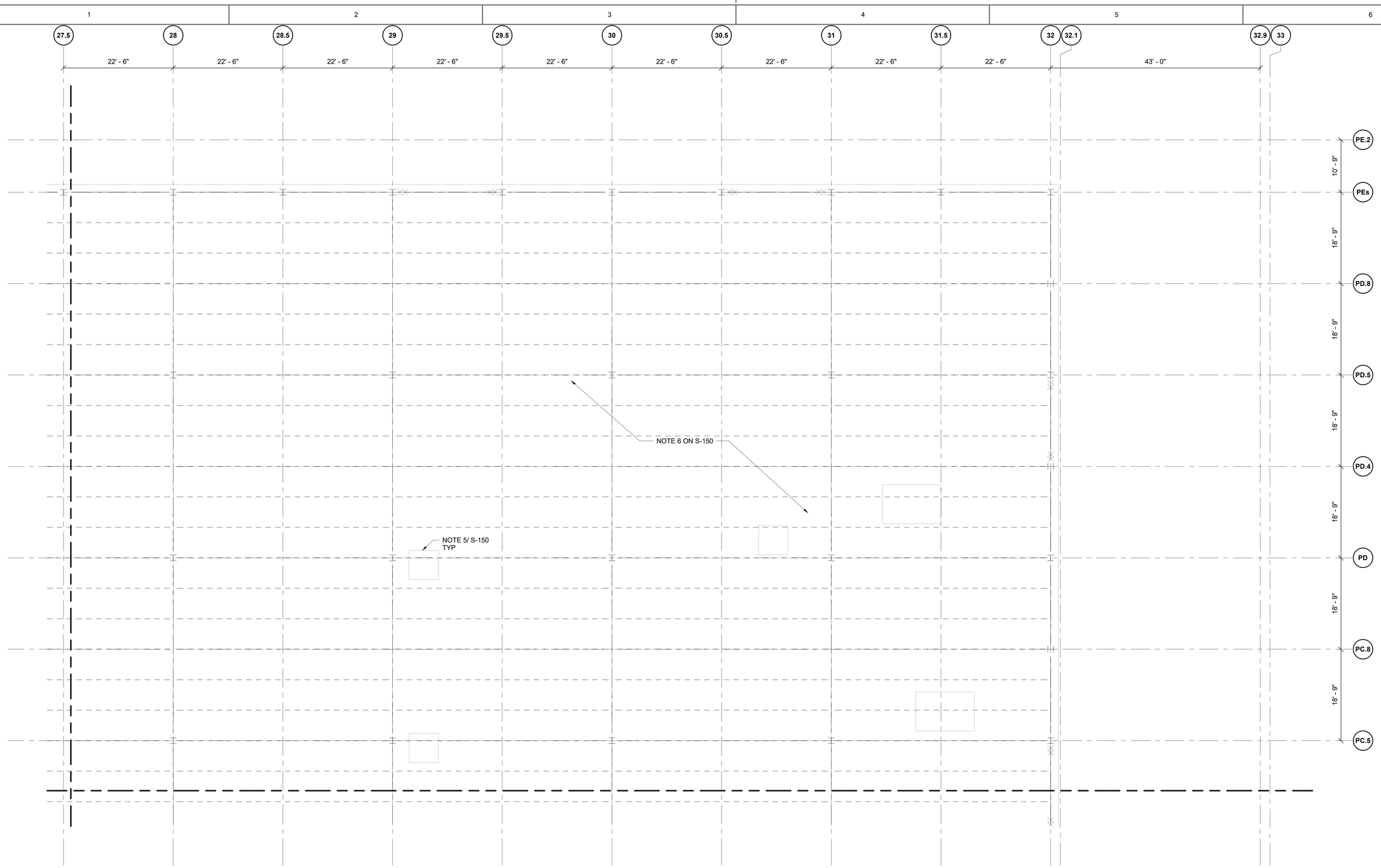
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ROOF LEVEL AREA - A

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE: AS NOTED	SIZE: 42x30
DATE:	03/22/18
FILE NUMBER:	104444S-151.DWG
SHEET IDENTIFICATION	S-151
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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B1 ROOF LEVEL PLAN AREA - B
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

KEYPLAN



GENERAL NOTES:

1. SEE SHEET S-150 FOR NOTES.

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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KANSAS CITY, MO 64114

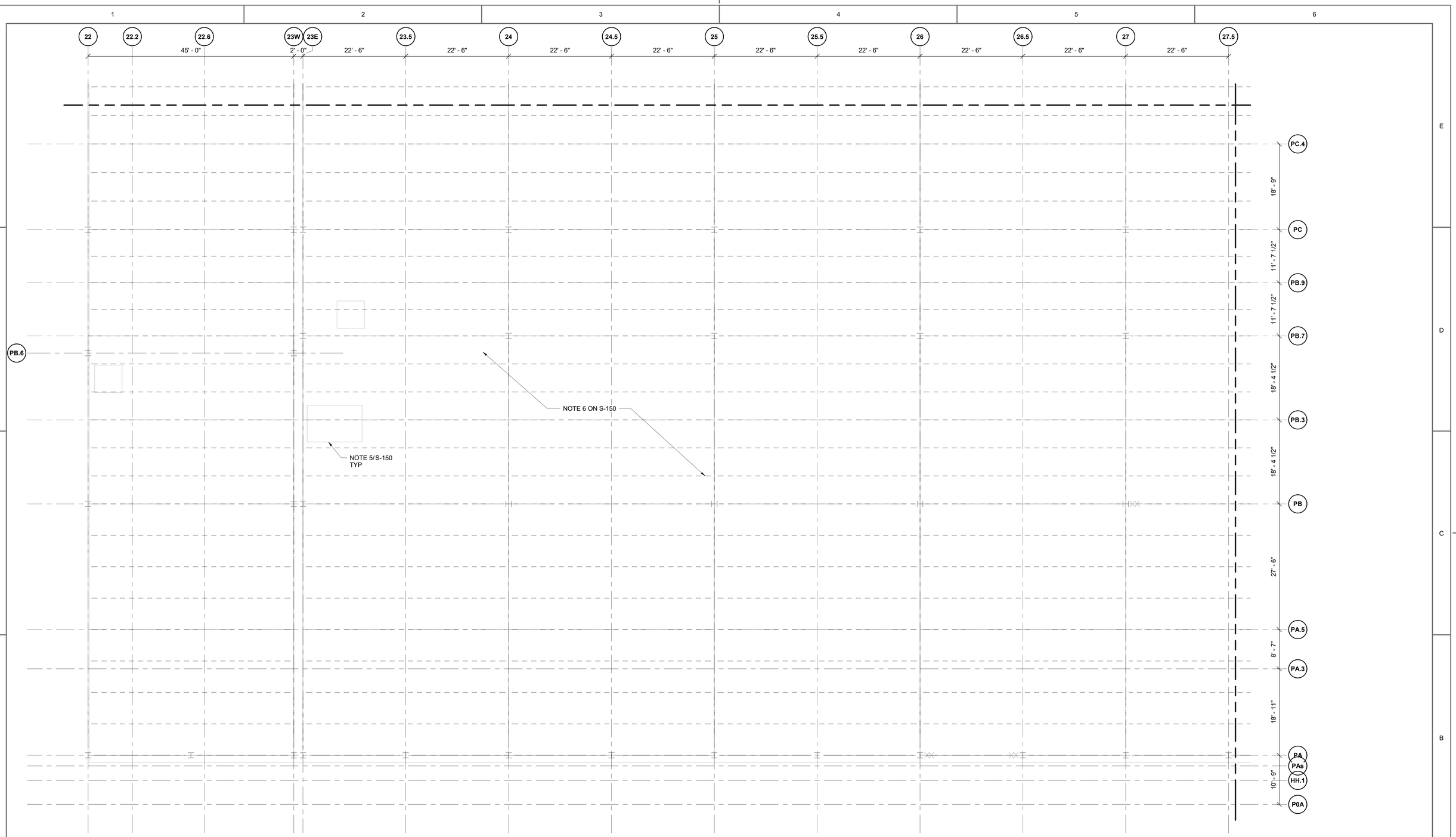
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ROOF LEVEL AREA - B

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-152.DWG
SHEET IDENTIFICATION	S-152
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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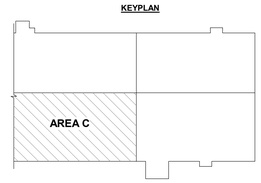


A1 ROOF LEVEL PLAN AREA - C
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

KEYPLAN



GENERAL NOTES:

1. SEE SHEET S-150 FOR NOTES.

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

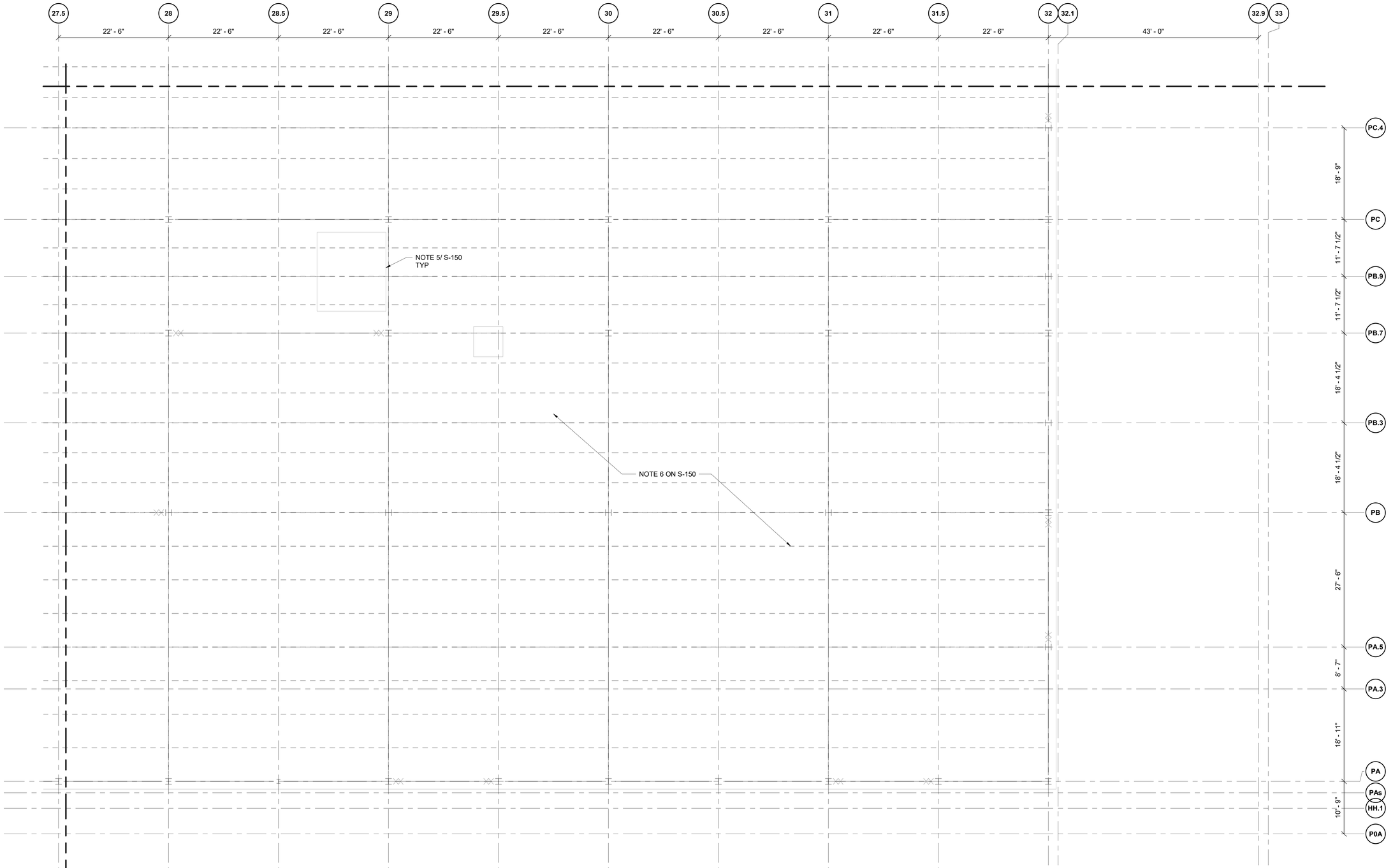
ROOF LEVEL AREA - C

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-153.DWG

SHEET IDENTIFICATION: S-153

SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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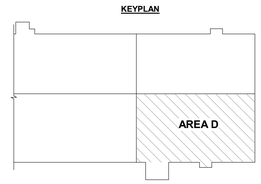


A1 ROOF LEVEL PLAN AREA - D
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. SEE SHEET S-150 FOR NOTES.

KEYPLAN



~~CORRECTED~~ FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

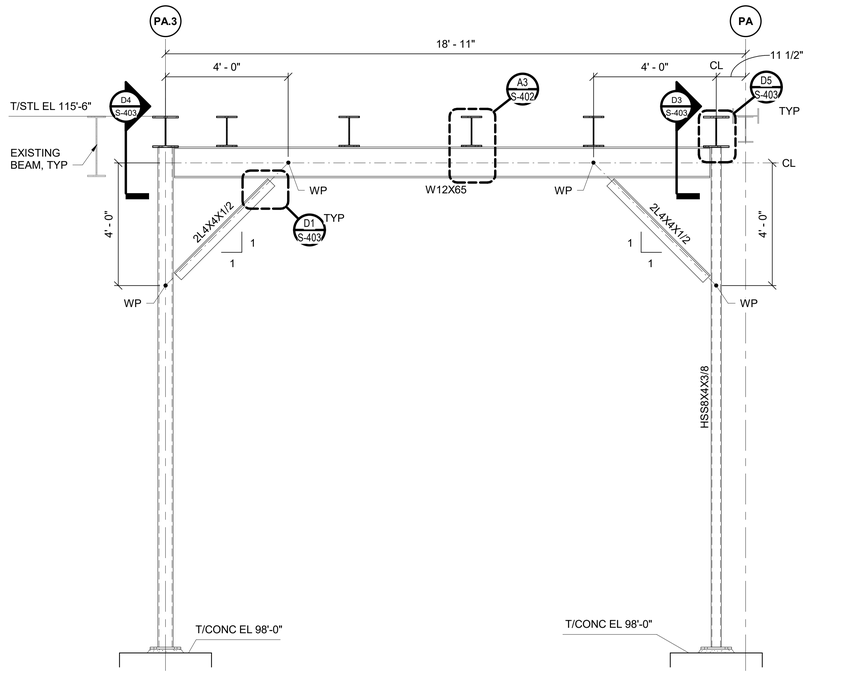
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ROOF LEVEL AREA - D

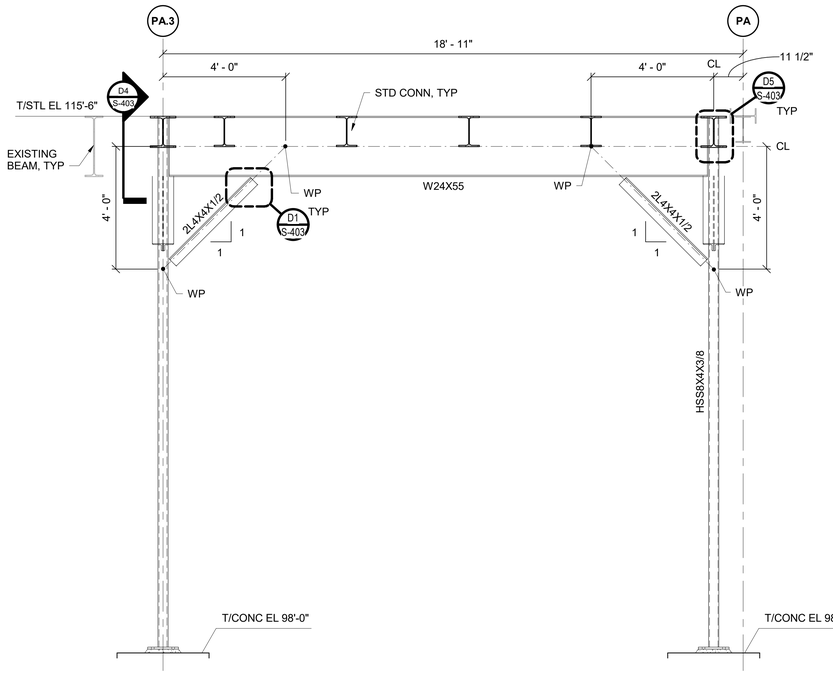
DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/22/18
FILE NUMBER:	104444S-154.DWG
SHEET IDENTIFICATION	S-154
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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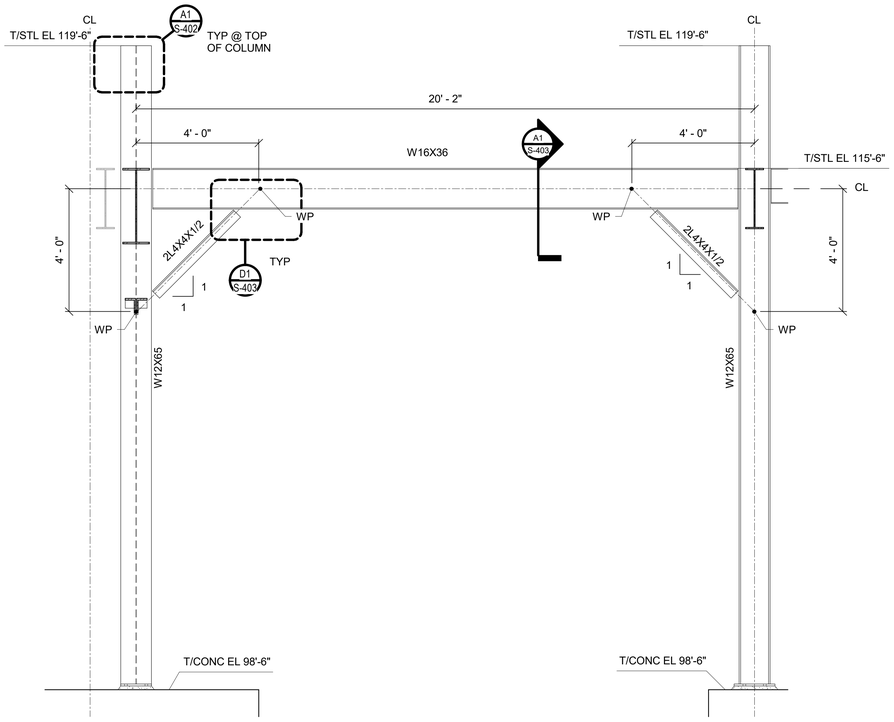
C1 ELEVATION
SCALE: 1/2" = 1'-0"

0 1' 2' 4'



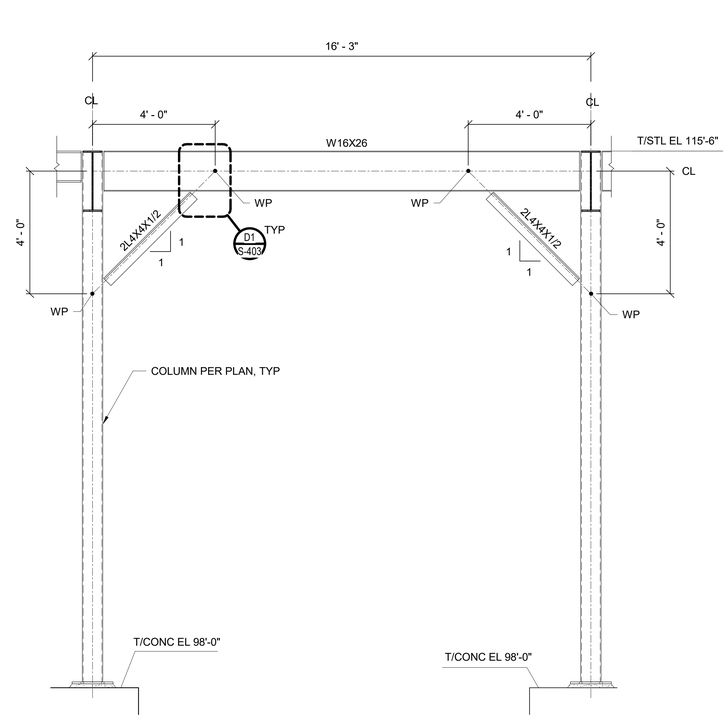
C3 ELEVATION
SCALE: 1/2" = 1'-0"

0 1' 2' 4'



A1 ELEVATION
SCALE: 1/2" = 1'-0"

0 1' 2' 4'



A3 ELEVATION
SCALE: 1/2" = 1'-0"

0 1' 2' 4'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

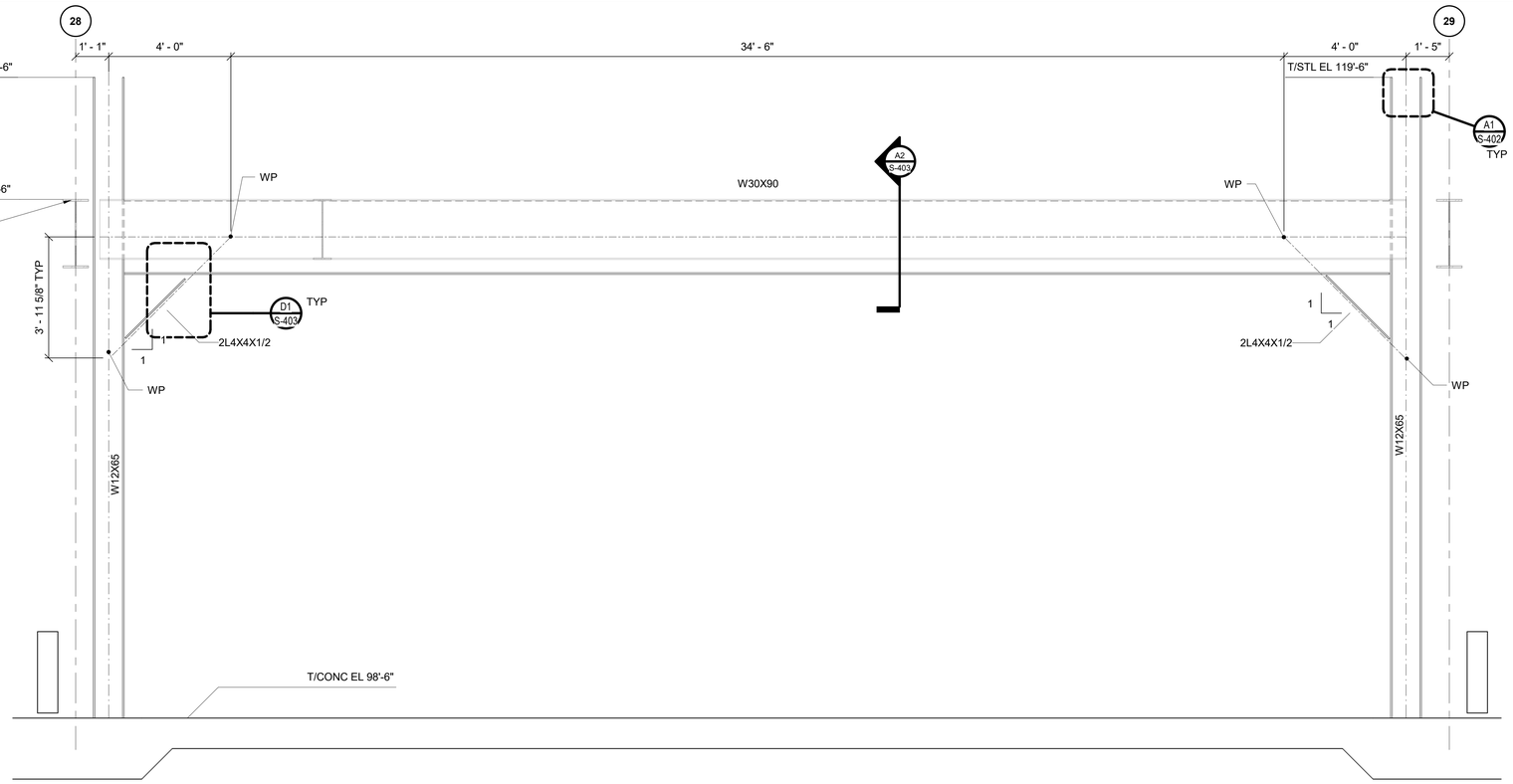
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

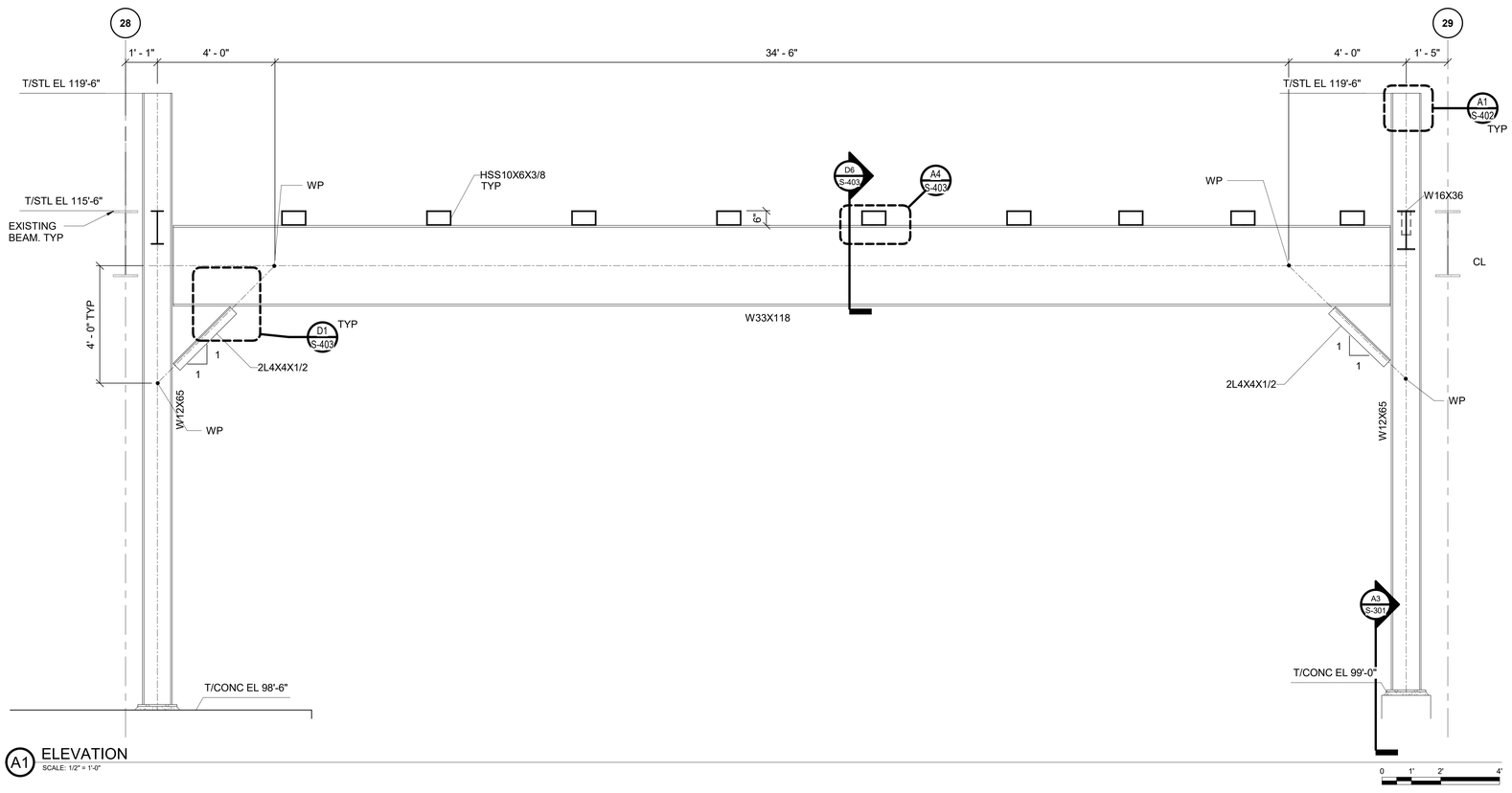
ELEVATIONS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 06/15/18
FILE NUMBER: 104444S-200.DWG
SHEET IDENTIFICATION: S-200
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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C1 ELEVATION
SCALE: 1/2" = 1'-0"



A1 ELEVATION
SCALE: 1/2" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
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SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

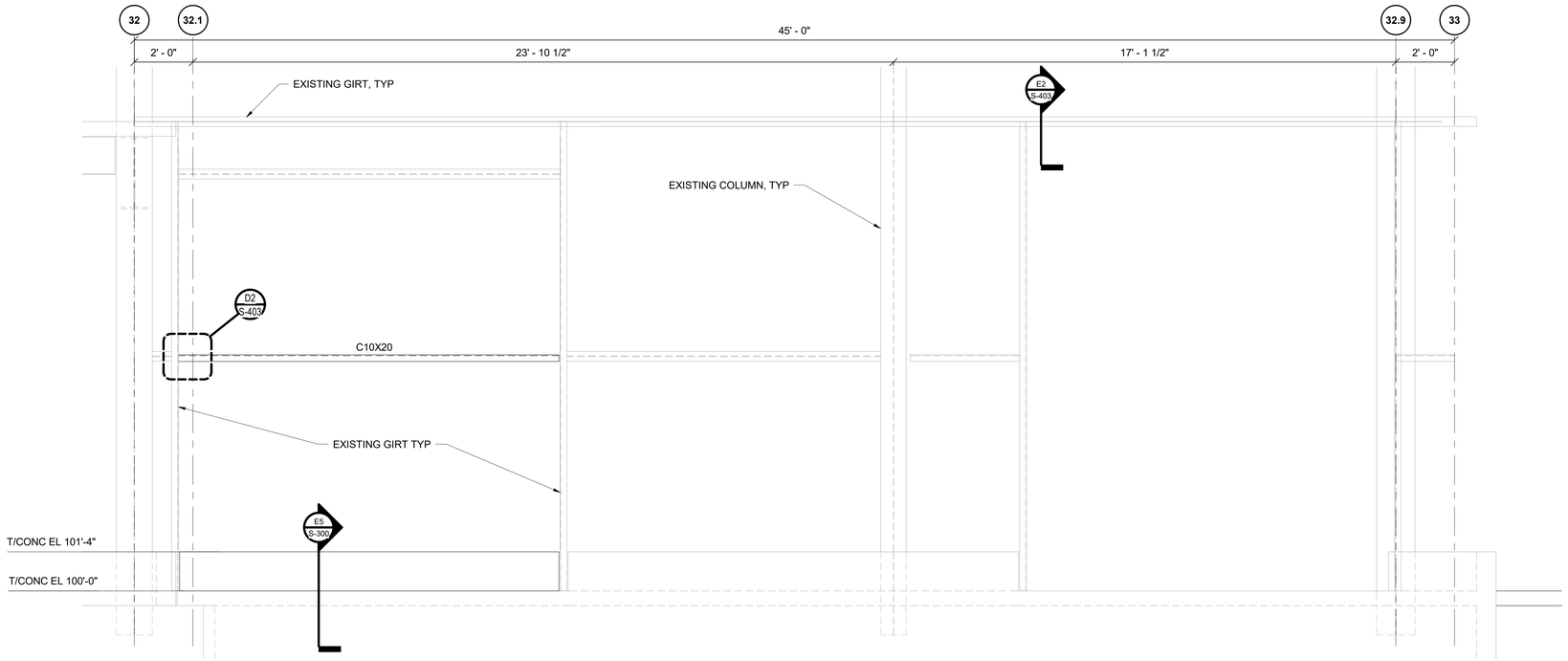
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ELEVATIONS

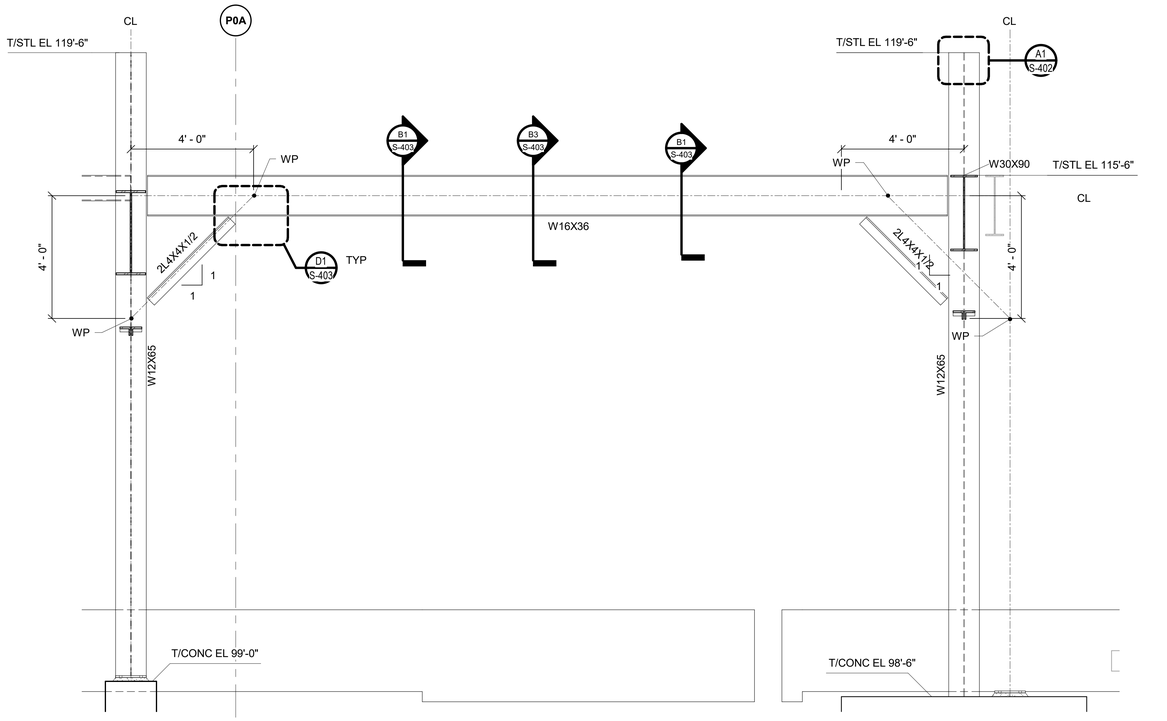
PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 06/26/18
FILE NUMBER: 104444S-201.DWG
SHEET IDENTIFICATION: S-201
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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C1 ELEVATION
SCALE: 1/2" = 1'-0"

0 1' 2' 4'



A1 ELEVATION
SCALE: 1/2" = 1'-0"

0 1' 2' 4'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

US Army Corps of Engineers

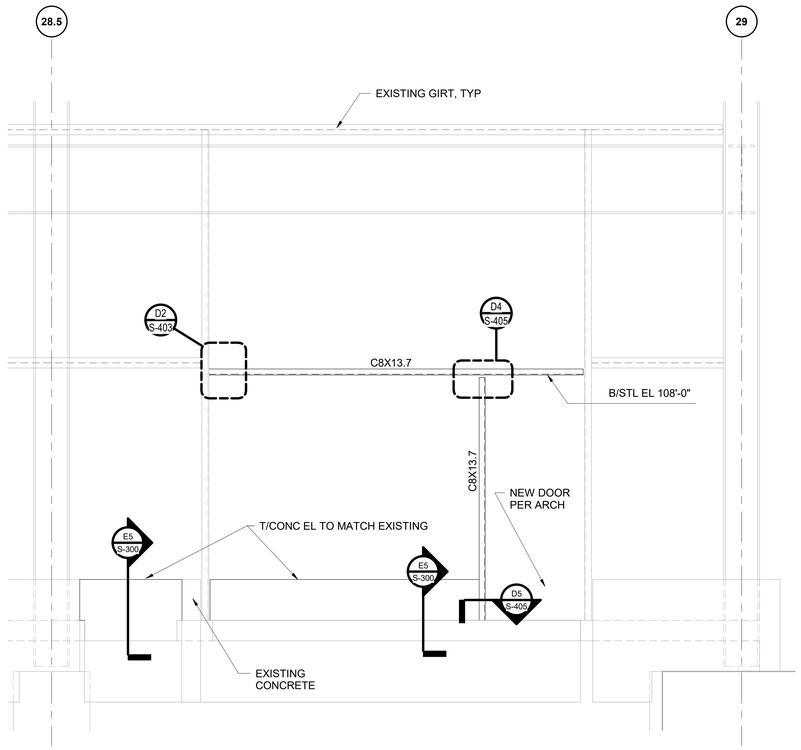
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ELEVATIONS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 08/06/18
FILE NUMBER: 104444S-202.DWG
SHEET IDENTIFICATION: S-202
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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0 1' 2' 4'



C1 ELEVATION
SCALE: 1/2" = 1'-0"

0 1' 2' 4'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

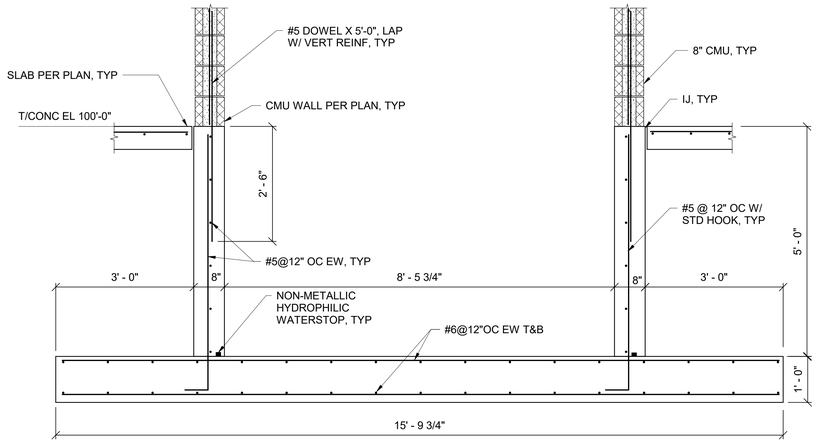
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

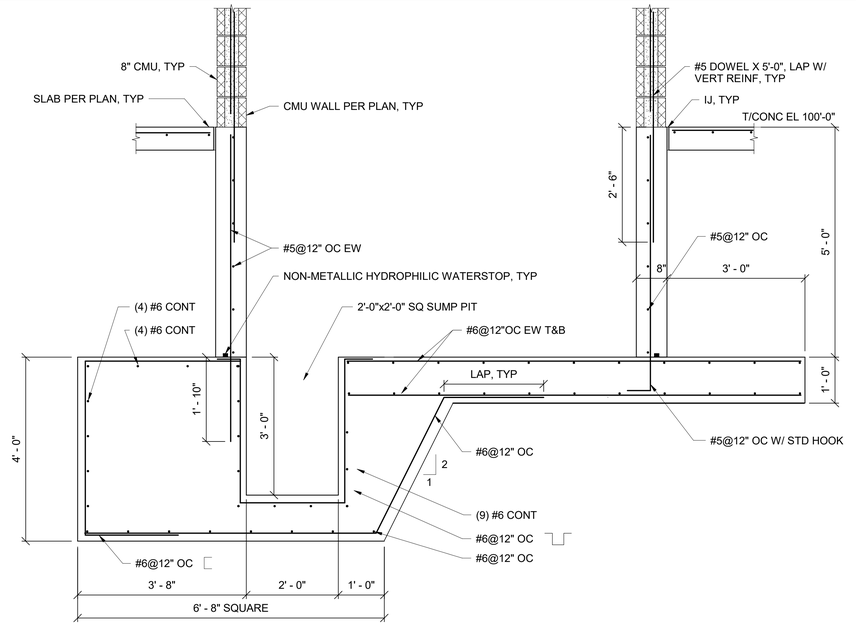
ELEVATIONS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 09/21/18
FILE NUMBER: 104444S-203.DWG
SHEET IDENTIFICATION: S-203
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

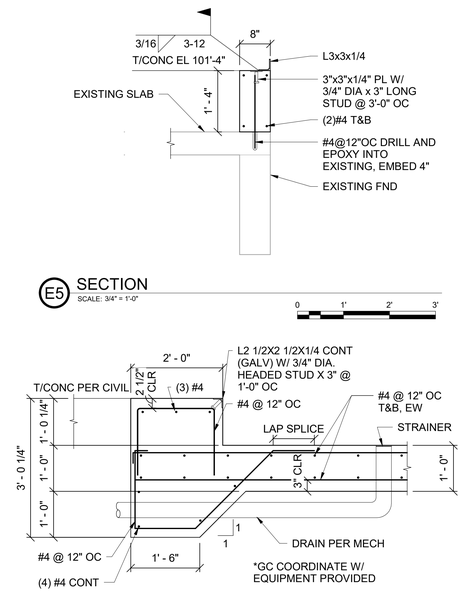
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D1 SECTION
SCALE: 3/4" = 1'-0"

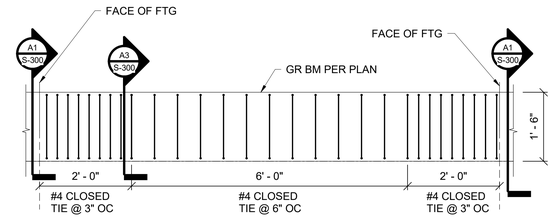


D3 SECTION
SCALE: 3/4" = 1'-0"

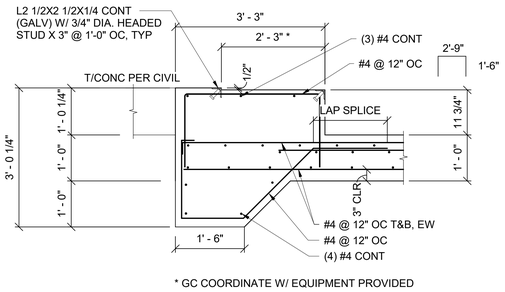


E5 SECTION
SCALE: 3/4" = 1'-0"

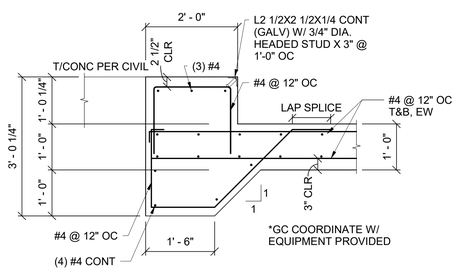
D5 SECTION
SCALE: 3/4" = 1'-0"



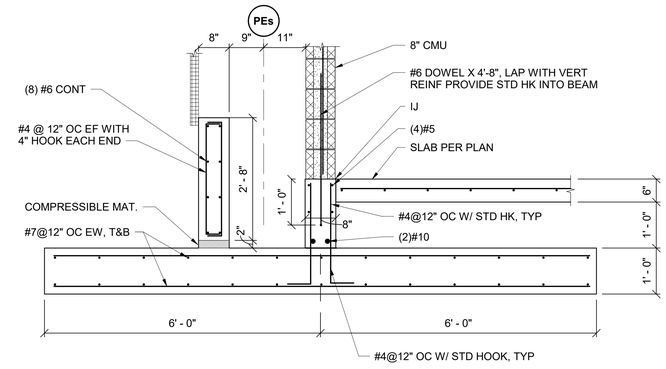
B1 DETAIL
SCALE: 3/4" = 1'-0"



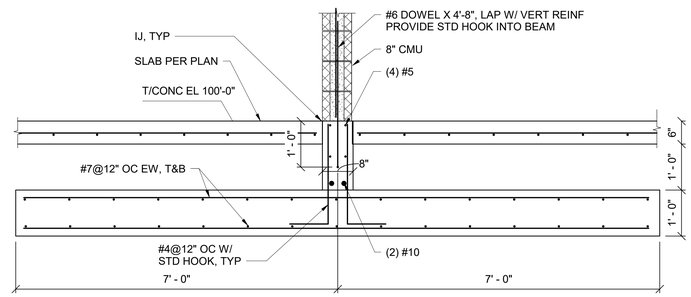
B2 SECTION
SCALE: 3/4" = 1'-0"



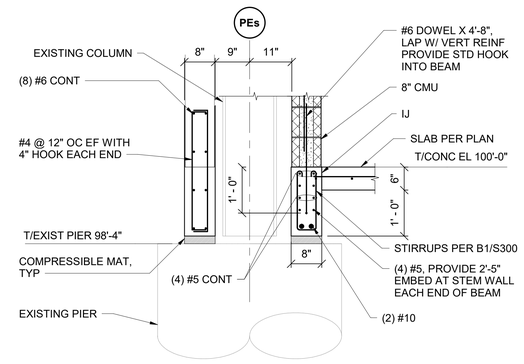
B3 SECTION
SCALE: 3/4" = 1'-0"



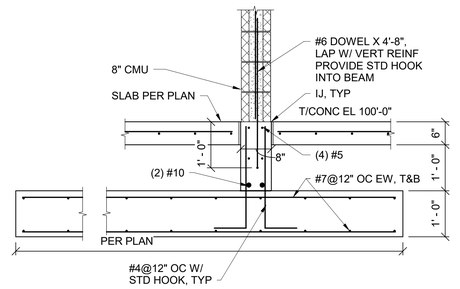
B5 SECTION
SCALE: 3/4" = 1'-0"



A1 SECTION
SCALE: 3/4" = 1'-0"



A3 SECTION
SCALE: 3/4" = 1'-0"



A4 SECTION
SCALE: 3/4" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

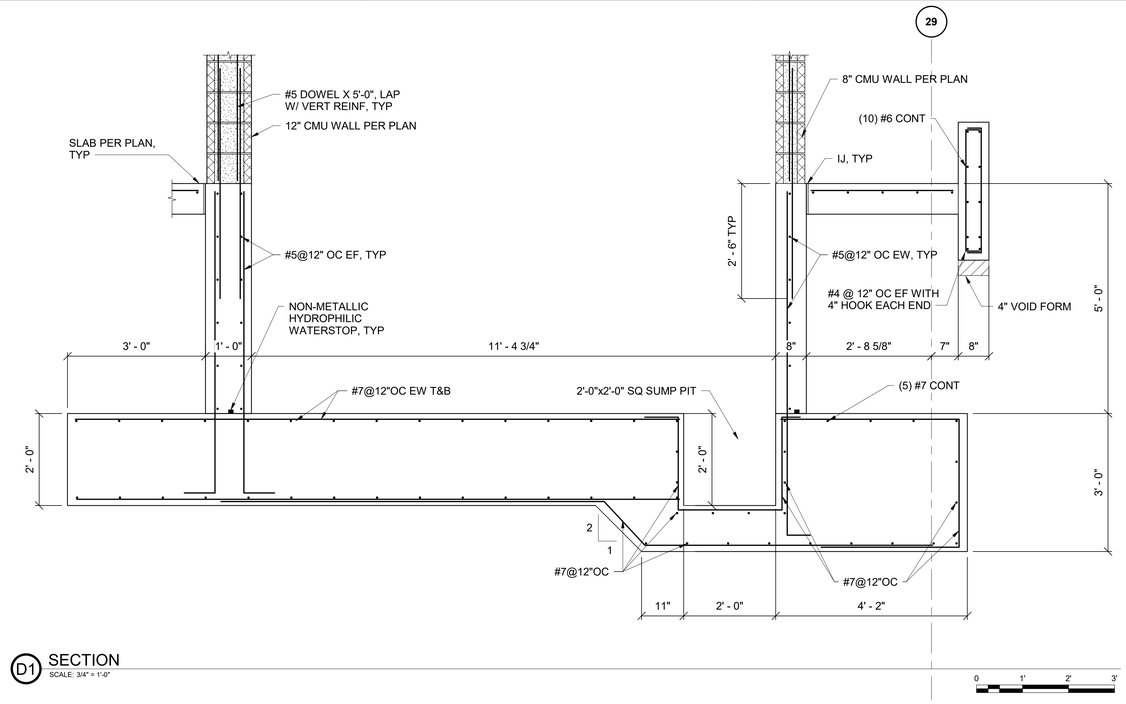
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

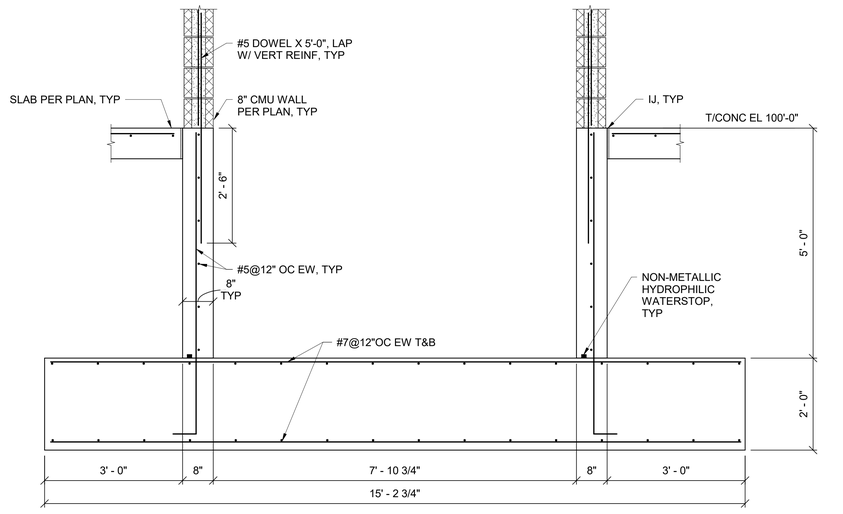
FOUNDATION SECTION AND DETAILS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 06/07/18
FILE NUMBER: 104444S-300.DWG
SHEET IDENTIFICATION: S-300
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

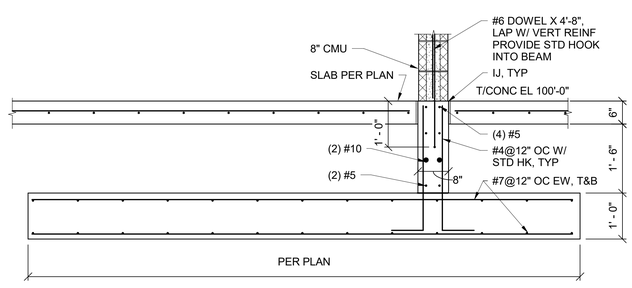
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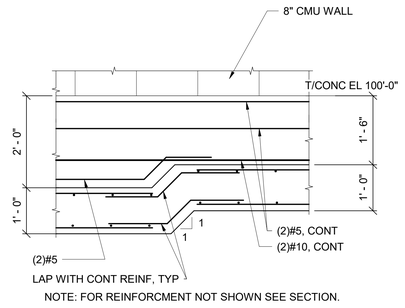
D1 SECTION
SCALE: 3/4" = 1'-0"



D4 SECTION
SCALE: 3/4" = 1'-0"

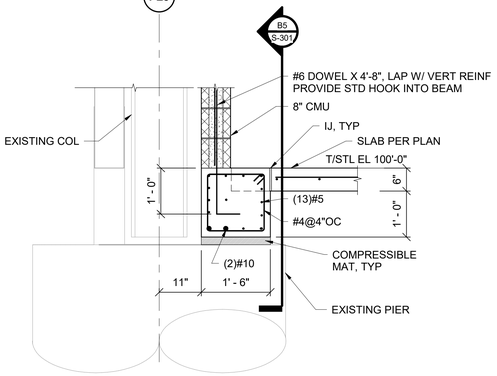


B1 SECTION
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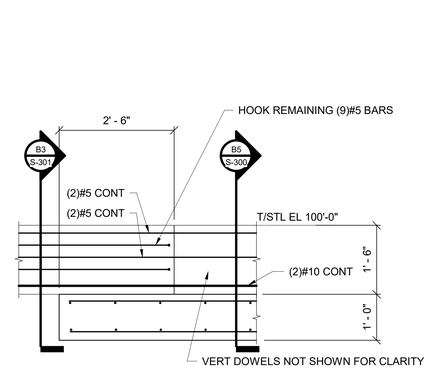


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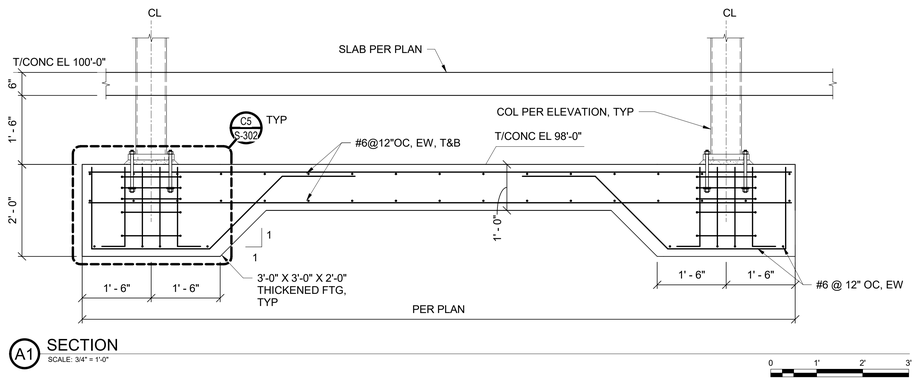
PEs



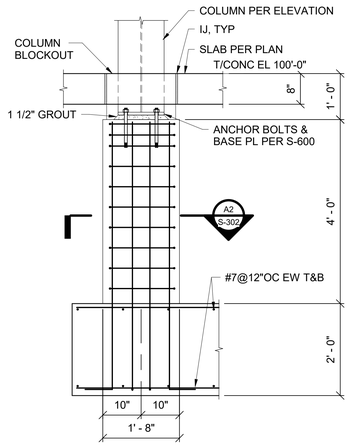
B3 SECTION
SCALE: 3/4" = 1'-0"



B5 SECTION
SCALE: 3/4" = 1'-0"



A1 SECTION
SCALE: 3/4" = 1'-0"



A3 SECTION
SCALE: 3/4" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

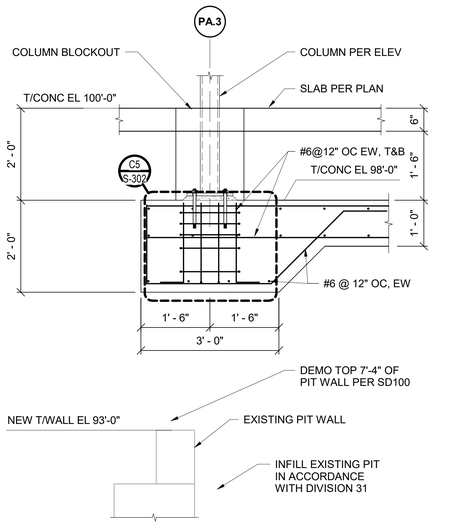
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

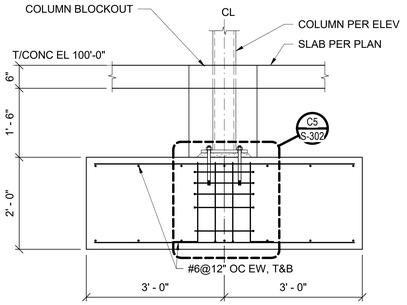
FOUNDATION SECTION AND DETAILS

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	06/21/18
FILE NUMBER:	104444S-301.DWG
SHEET IDENTIFICATION	S-301
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

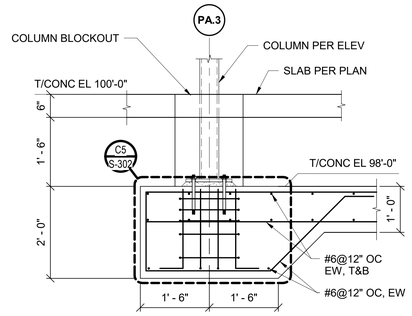
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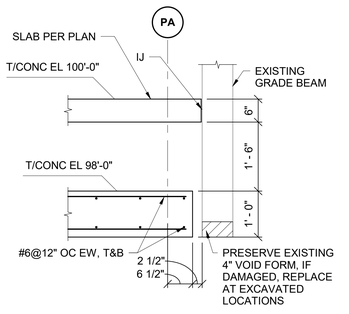
D1 SECTION
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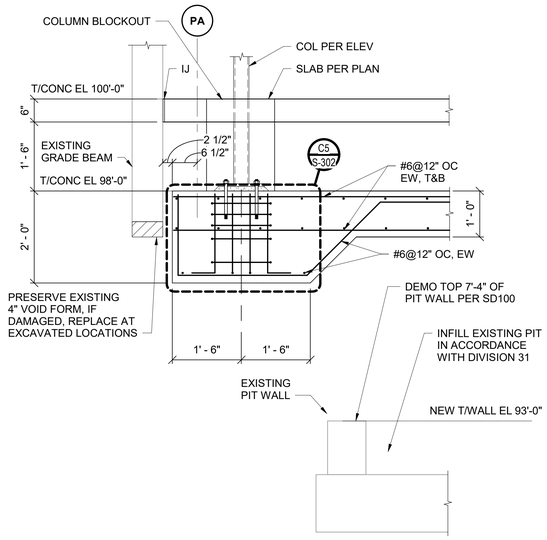
D2 SECTION
SCALE: 3/4" = 1'-0"



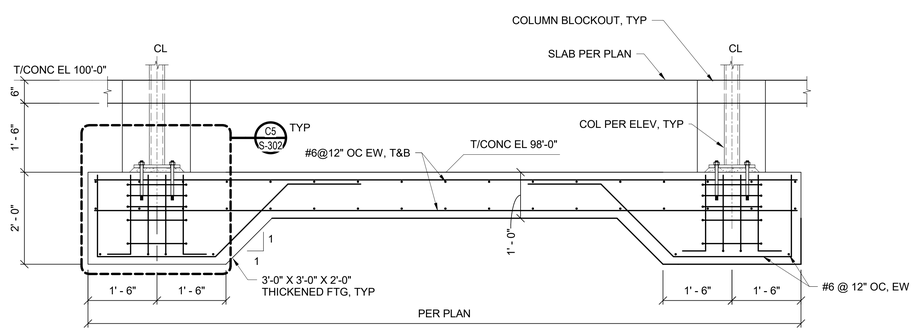
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SCALE: 3/4" = 1'-0"



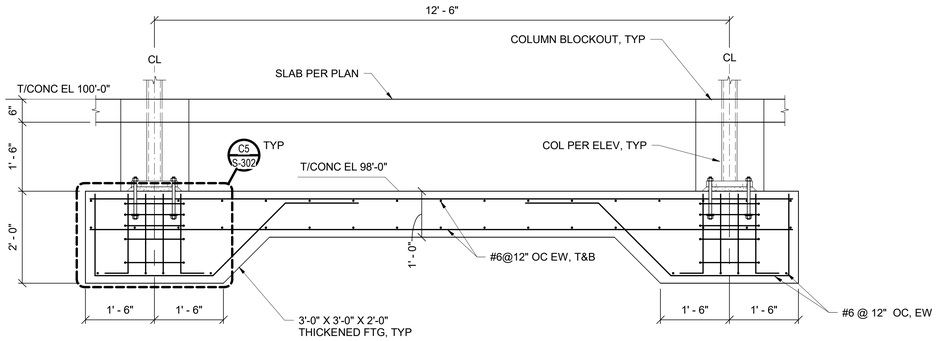
D4 SECTION
SCALE: 3/4" = 1'-0"



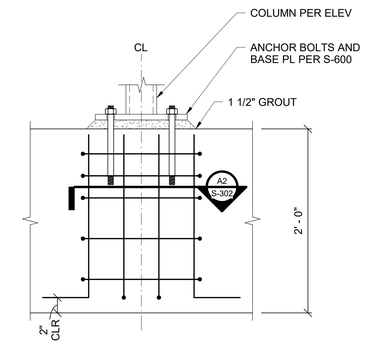
D5 SECTION
SCALE: 3/4" = 1'-0"



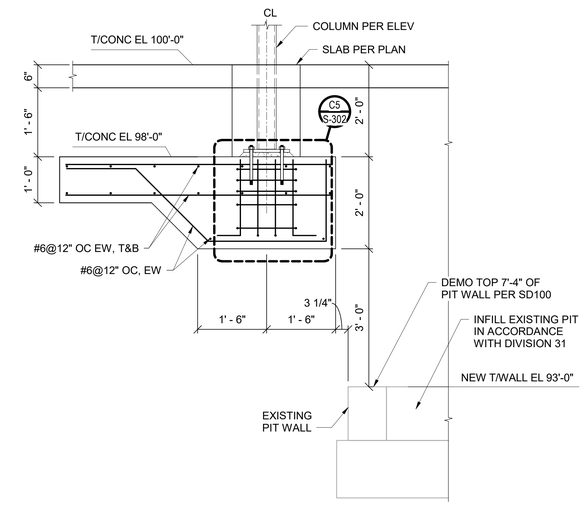
C1 SECTION
SCALE: 3/4" = 1'-0"



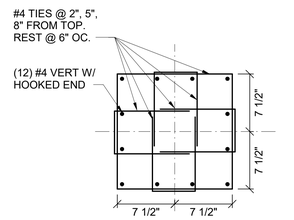
C3 SECTION
SCALE: 3/4" = 1'-0"



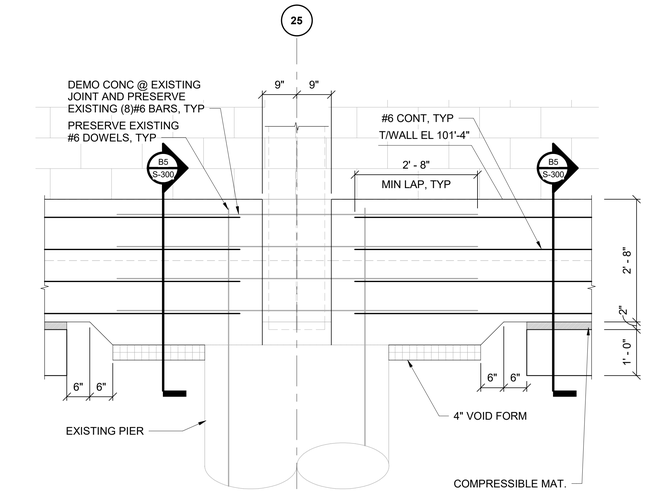
C5 DETAIL
SCALE: 1 1/2" = 1'-0"



A1 SECTION
SCALE: 3/4" = 1'-0"



A2 SECTION
SCALE: 1 1/2" = 1'-0"



A3 SECTION
SCALE: 3/4" = 1'-0"

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

US Army Corps of Engineers

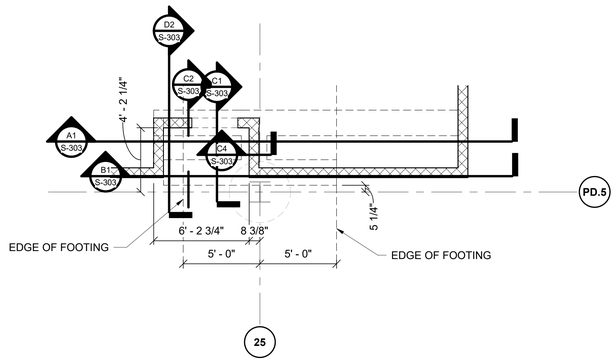
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FOUNDATION SECTION AND DETAILS

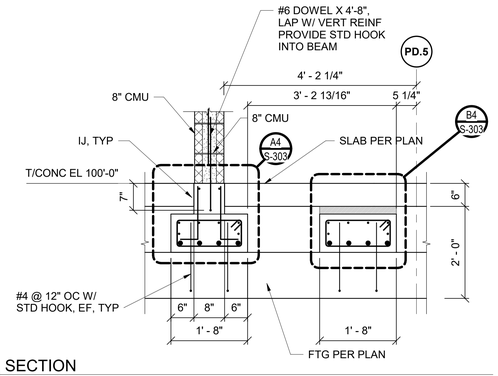
PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 06/28/18
FILE NUMBER: 104444S-302.DWG
SHEET IDENTIFICATION: S-302
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

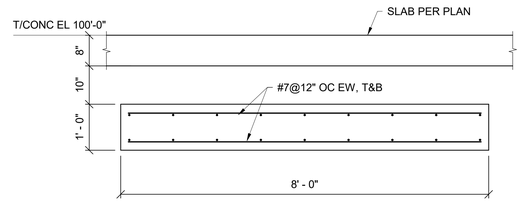
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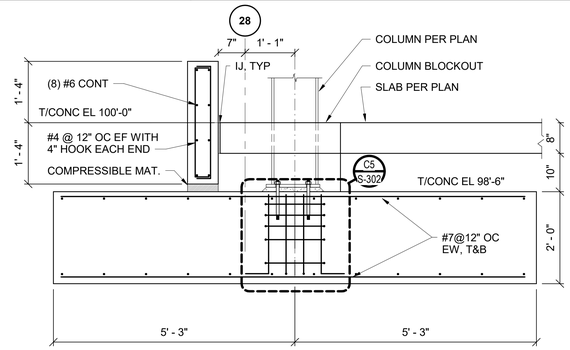
D1 DETAIL
SCALE: 1/4" = 1'-0"



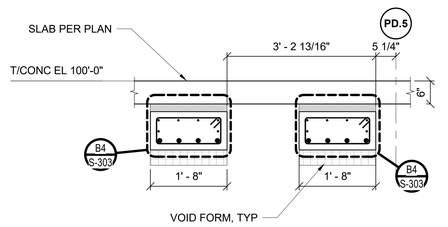
D2 SECTION
SCALE: 3/4" = 1'-0"



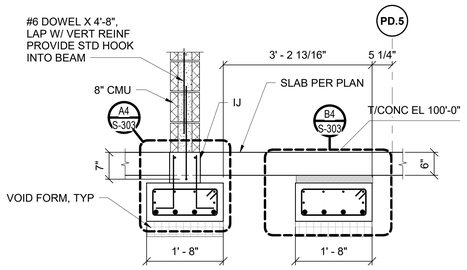
D4 SECTION
SCALE: 3/4" = 1'-0"



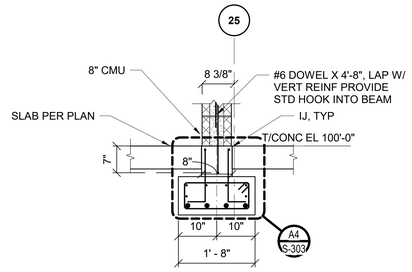
D5 SECTION
SCALE: 3/4" = 1'-0"



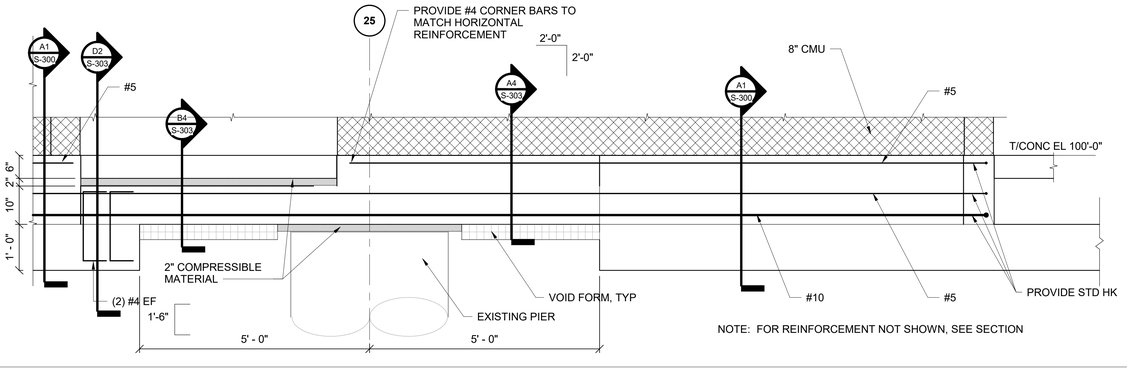
C1 SECTION
SCALE: 3/4" = 1'-0"



C2 SECTION
SCALE: 3/4" = 1'-0"

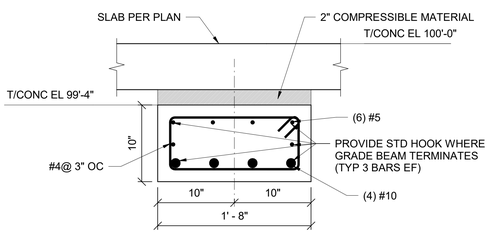


C4 SECTION
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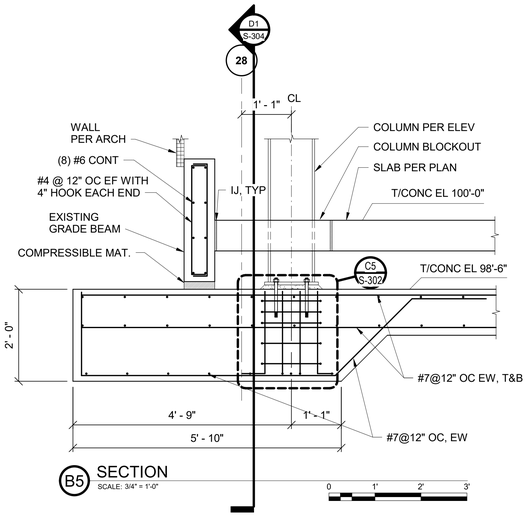


NOTE: FOR REINFORCEMENT NOT SHOWN, SEE SECTION

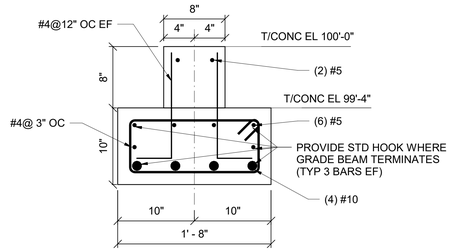
B1 SECTION
SCALE: 3/4" = 1'-0"



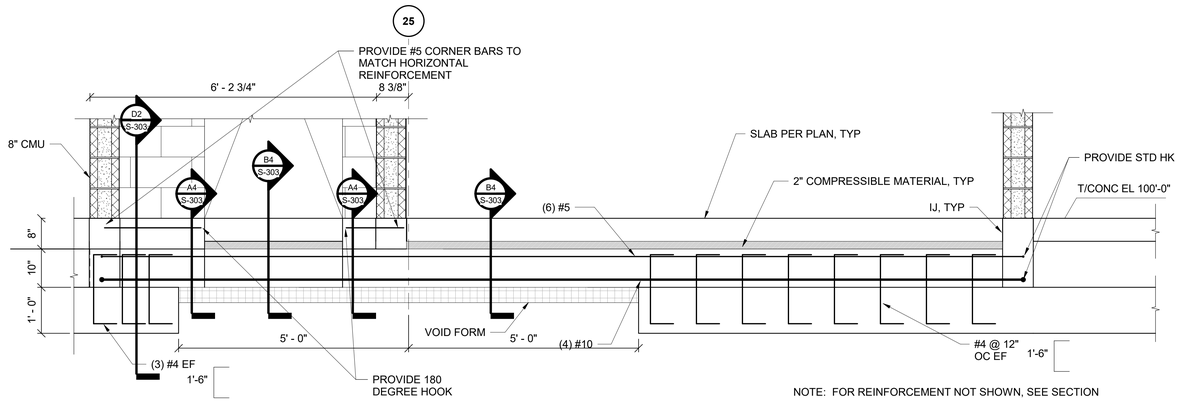
B4 DETAIL
SCALE: 1 1/2" = 1'-0"



B5 SECTION
SCALE: 3/4" = 1'-0"



A4 DETAIL
SCALE: 1 1/2" = 1'-0"



NOTE: FOR REINFORCEMENT NOT SHOWN, SEE SECTION

A1 SECTION
SCALE: 3/4" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

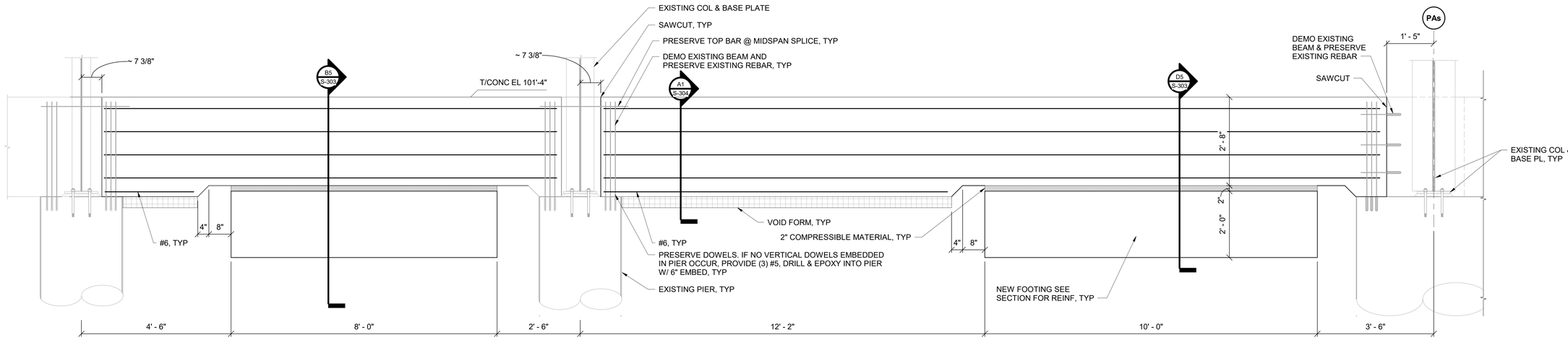
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

FOUNDATION SECTION AND DETAILS

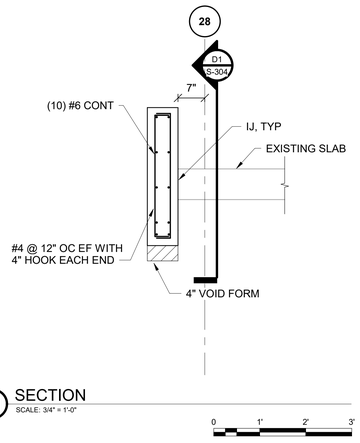
DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE: / SIZE:	AS NOTED 42x30
DATE:	06/28/18
FILE NUMBER:	104444S-303.DWG
SHEET IDENTIFICATION	S-303
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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D1 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'



A1 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

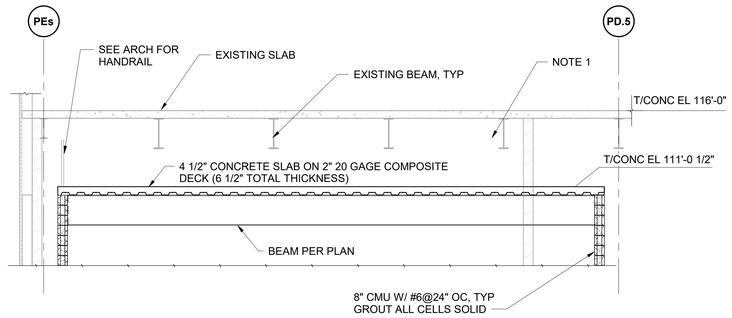
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FOUNDATION SECTION AND DETAILS

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE: SIZE:	AS NOTED 42x30
DATE:	07/10/18
FILE NUMBER:	104444S-304.DWG
SHEET IDENTIFICATION	S-304
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

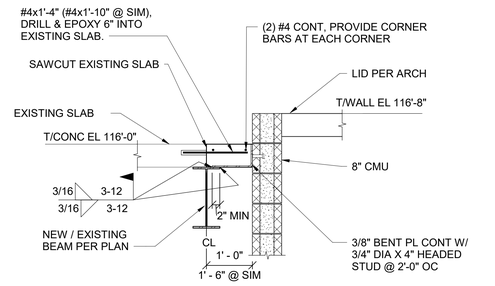
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NOTES:
1. CONTRACTOR SHALL COORDINATE MEANS AND METHODS TO CONSTRUCT SHELTER IN ACCORDANCE WITH CONTRACT DRAWINGS WITH MINIMUM CLEARANCE OF 1'- 5 1/2" AT GIRDERS.
2. FOR EASE OF CONSTRUCTIBILITY IT IS ACCEPTABLE TO PROVIDE CONSTRUCTION JOINTS IN SLAB PERPENDICULAR TO BEAM SPAN. IF PROVIDED, JOINTS SHALL OCCUR IN RIB. PROVIDE REMOVABLE POURSTOP AT EACH CONSTRUCTION JOINT. IT IS NOT REQUIRED TO LAP WELDED WIRE REINFORCEMENT OVER JOINT.

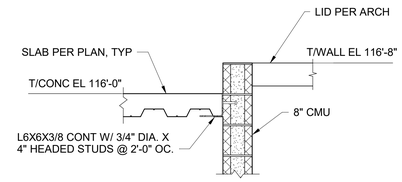
D1 SECTION
SCALE: 1/4" = 1'-0"

0 2' 4' 8'



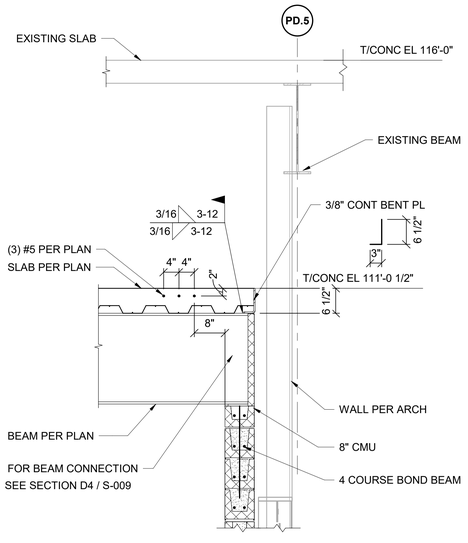
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SCALE: 3/4" = 1'-0"

0 1' 2' 3'



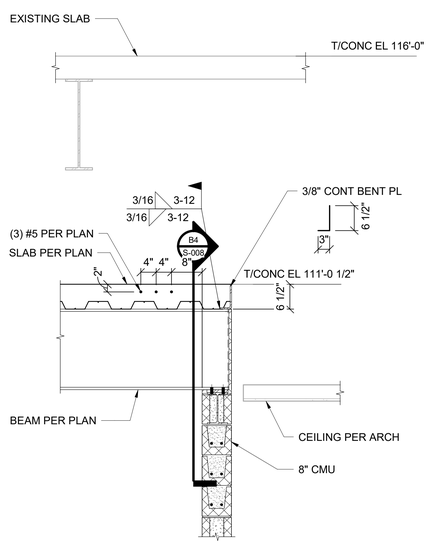
D5 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'



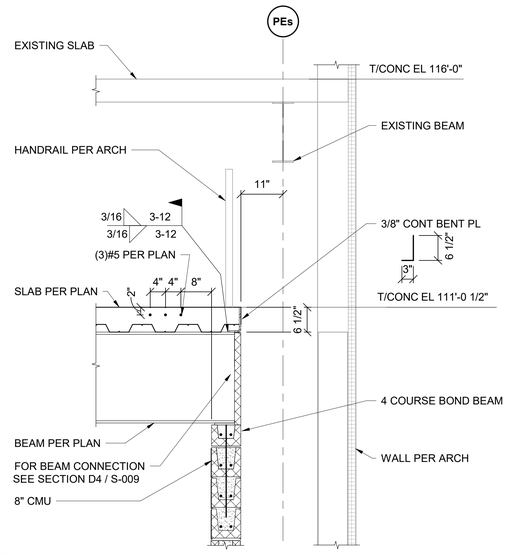
B1 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'



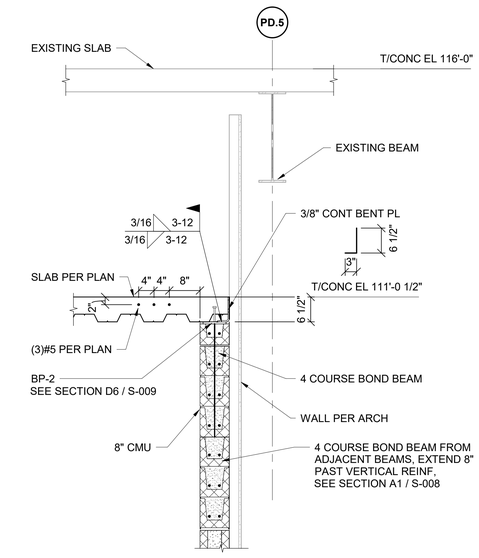
B2 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'



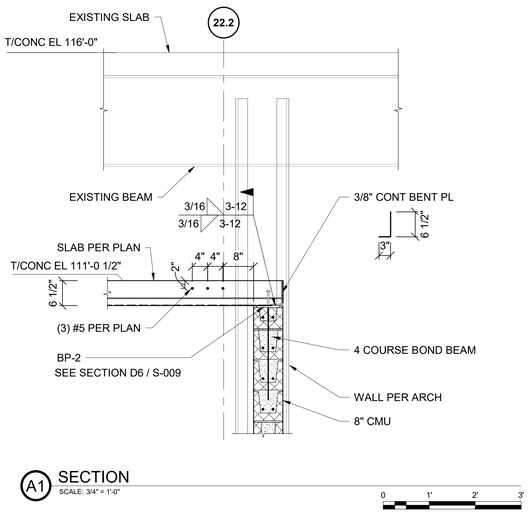
B4 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'



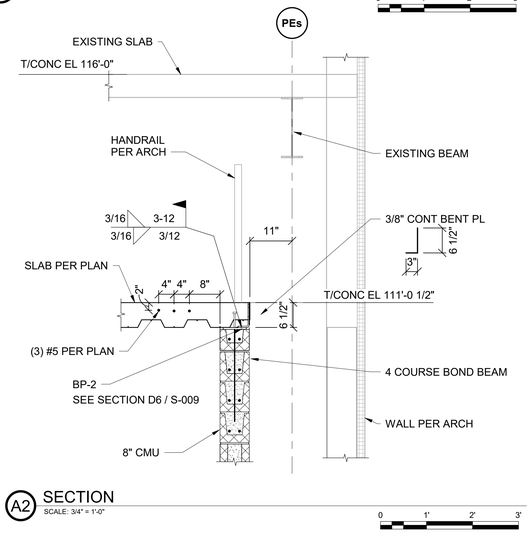
B5 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'



A1 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'



A2 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

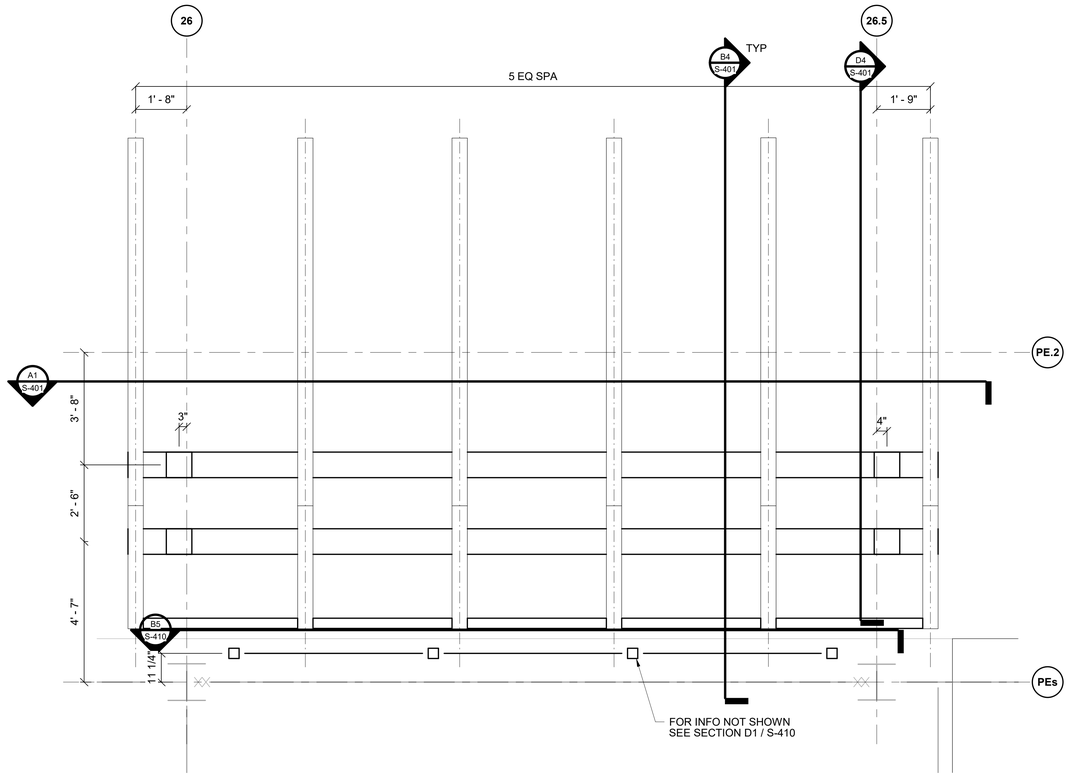
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

STRUCTURAL SECTIONS

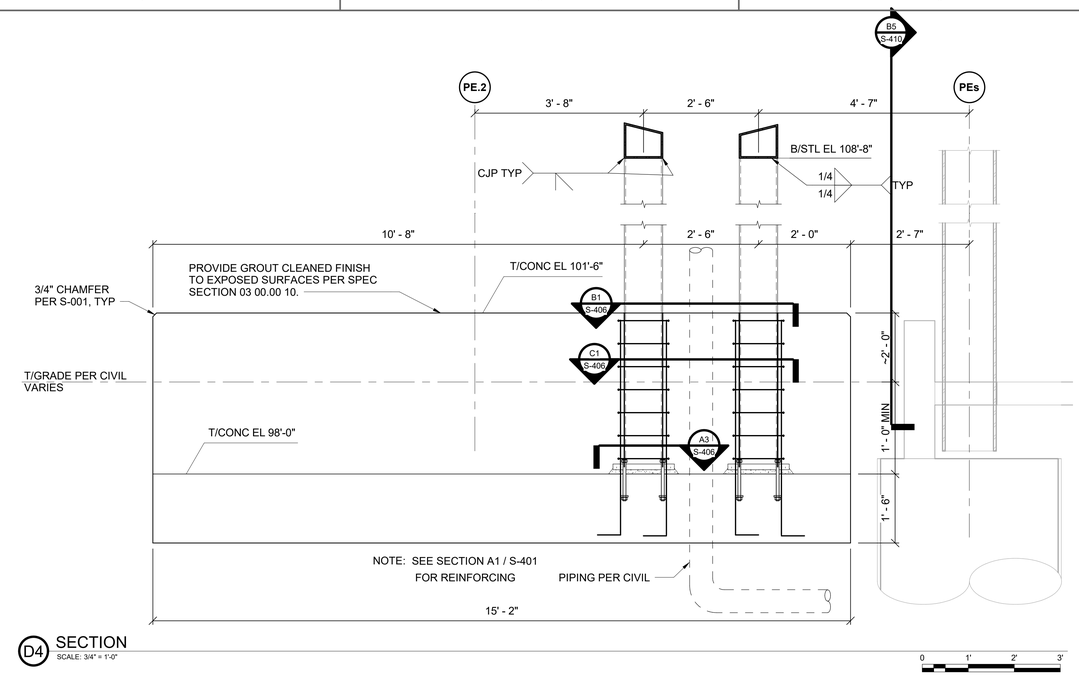
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SIZE: 42x30
DATE: 03/22/18
FILE NUMBER: 104444S-400.DWG
SHEET IDENTIFICATION: S-400
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

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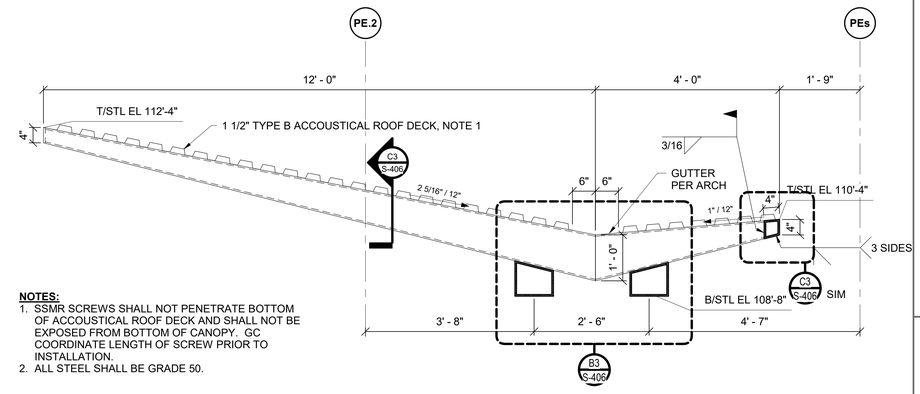
C1 DETAIL
SCALE: 1/2" = 1'-0"

0 1' 2' 4'



D4 SECTION
SCALE: 3/4" = 1'-0"

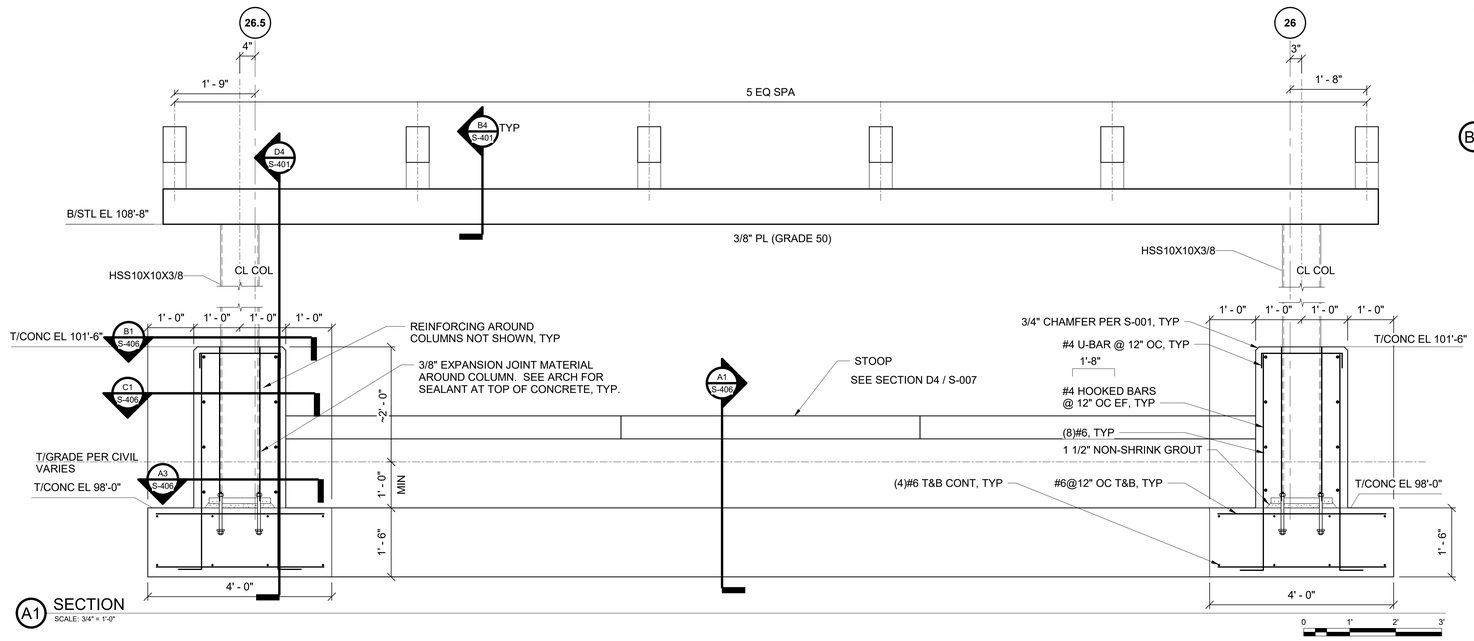
0 1' 2' 3'



NOTES:
1. SSMR SCREWS SHALL NOT PENETRATE BOTTOM OF ACCOUSTICAL ROOF DECK AND SHALL NOT BE EXPOSED FROM BOTTOM OF CANOPY. GC COORDINATE LENGTH OF SCREW PRIOR TO INSTALLATION.
2. ALL STEEL SHALL BE GRADE 50.

B4 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'



A1 SECTION
SCALE: 3/4" = 1'-0"

0 1' 2' 3'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

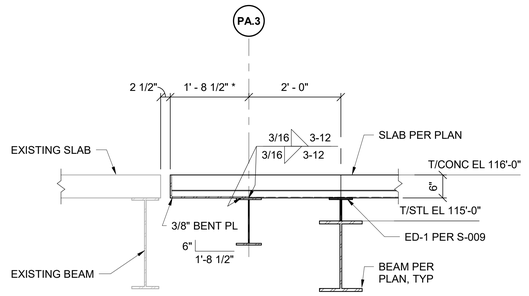
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

STRUCTURAL SECTIONS

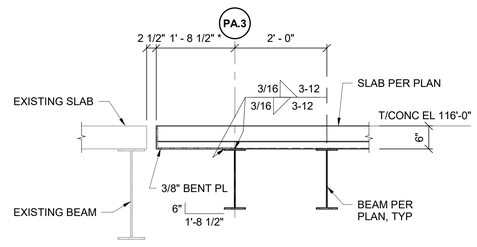
DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	04/09/18
FILE NUMBER:	104444S-401.DWG
SHEET IDENTIFICATION	S-401
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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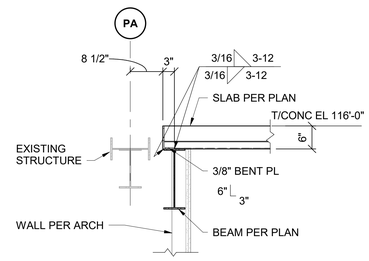
*FIELD VERIFY WITH EXISTING CONDITIONS

D1 SECTION
SCALE: 3/4" = 1'-0"

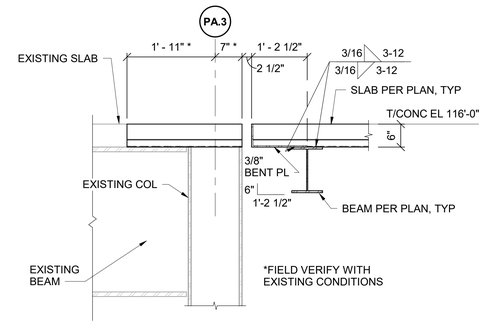


*FIELD VERIFY WITH EXISTING CONDITIONS

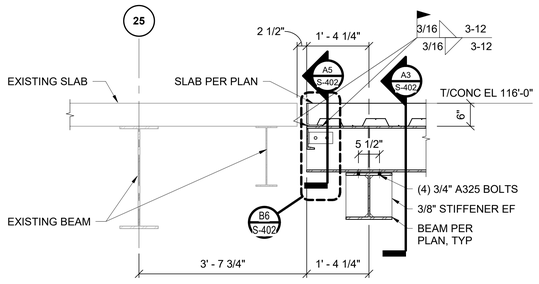
D2 SECTION
SCALE: 3/4" = 1'-0"



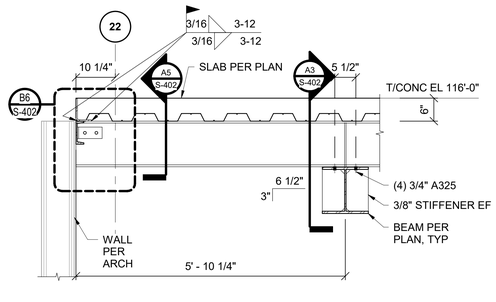
D4 SECTION
SCALE: 3/4" = 1'-0"



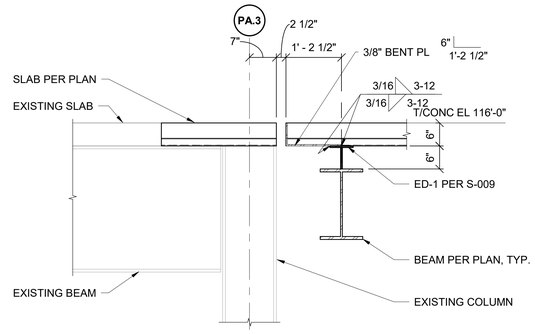
D5 SECTION
SCALE: 3/4" = 1'-0"



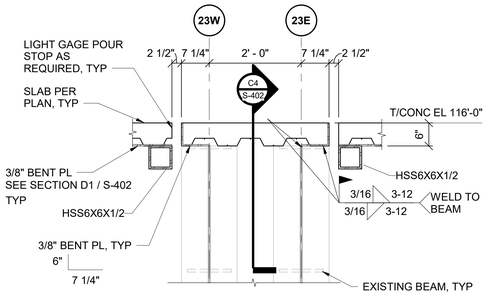
C1 SECTION
SCALE: 3/4" = 1'-0"



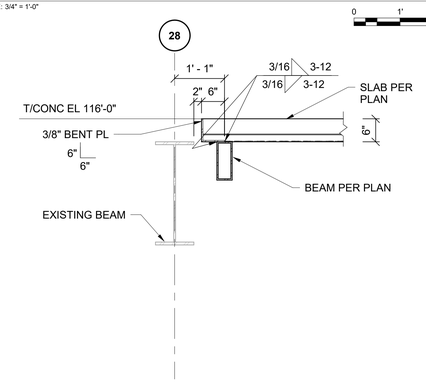
C2 SECTION
SCALE: 3/4" = 1'-0"



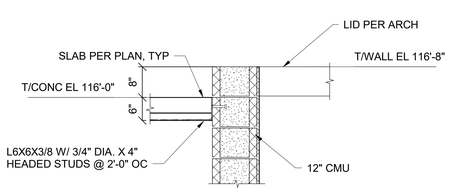
C4 SECTION
SCALE: 3/4" = 1'-0"



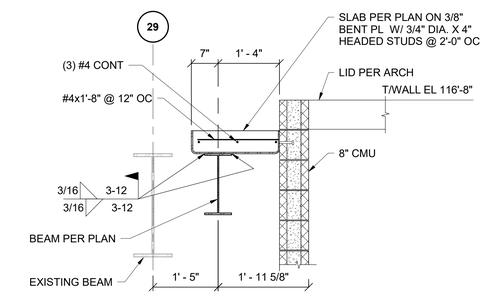
C6 SECTION
SCALE: 3/4" = 1'-0"



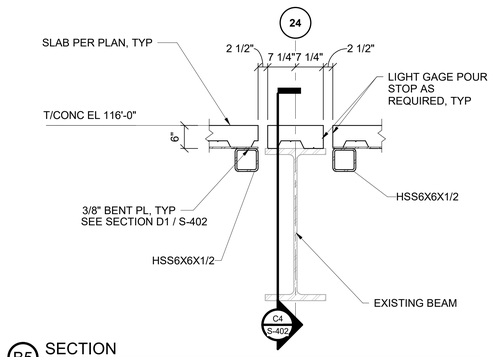
B1 SECTION
SCALE: 3/4" = 1'-0"



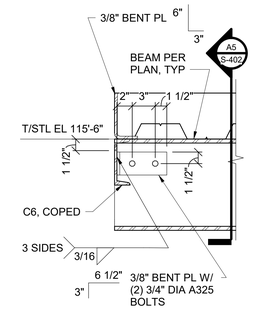
B2 SECTION
SCALE: 3/4" = 1'-0"



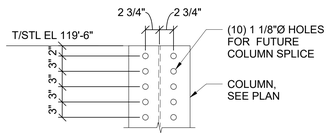
B3 SECTION
SCALE: 3/4" = 1'-0"



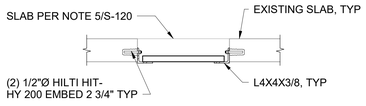
B5 SECTION
SCALE: 3/4" = 1'-0"



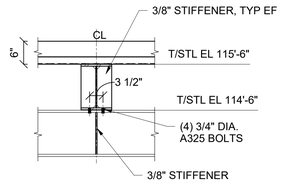
B6 SECTION
SCALE: 1 1/2" = 1'-0"



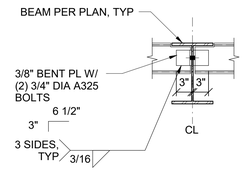
A1 SECTION
SCALE: 1" = 1'-0"



A2 SECTION
SCALE: 3/4" = 1'-0"



A3 SECTION
SCALE: 3/4" = 1'-0"



A5 SECTION
SCALE: 1" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

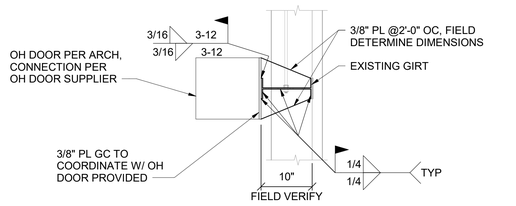
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

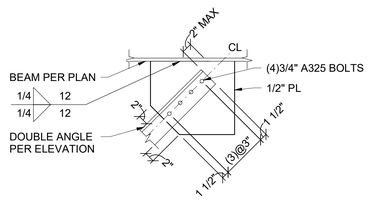
STRUCTURAL SECTIONS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 06/15/18
FILE NUMBER: 104444S-402.DWG
SHEET IDENTIFICATION: S-402
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

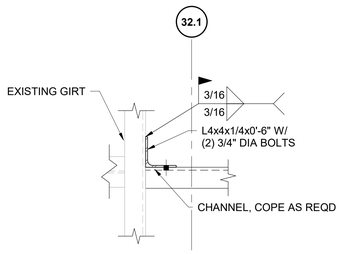
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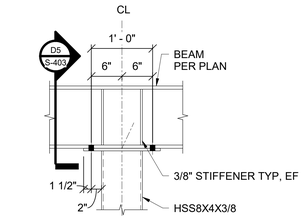
E2 SECTION
SCALE: 1" = 1'-0"
0 1/2' 1' 2'



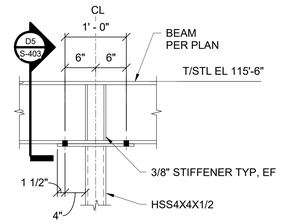
D1 DETAIL
SCALE: 1" = 1'-0"
0 1/2' 1' 2'



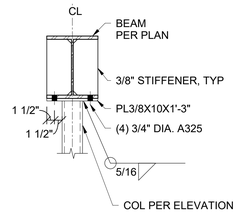
D2 DETAIL
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



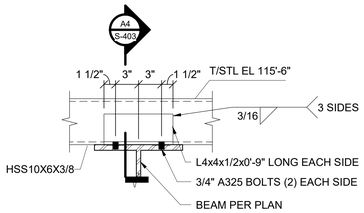
D3 SECTION
SCALE: 1" = 1'-0"
0 1/2' 1' 2'



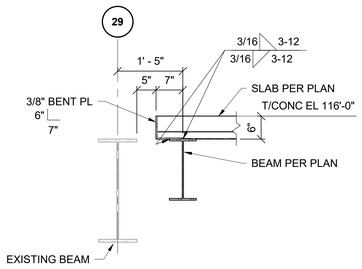
D4 SECTION
SCALE: 1" = 1'-0"
0 1/2' 1' 2'



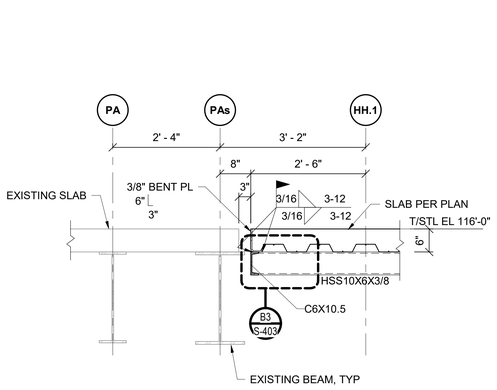
D5 DETAIL
SCALE: 1" = 1'-0"
0 1/2' 1' 2'



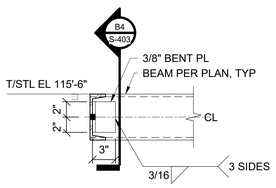
D6 SECTION
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



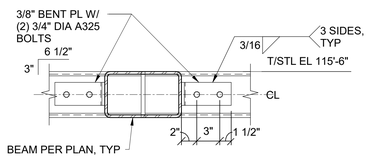
B1 SECTION
SCALE: 3/4" = 1'-0"
0 1' 2' 3'



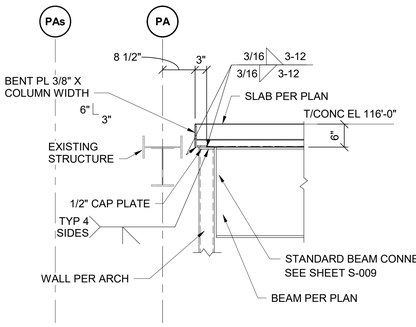
B2 SECTION
SCALE: 3/4" = 1'-0"
0 1' 2' 3'



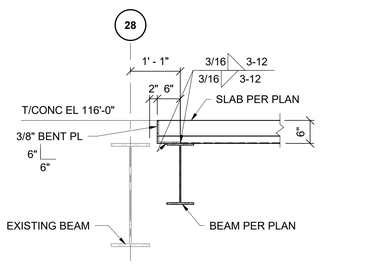
B3 DETAIL
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



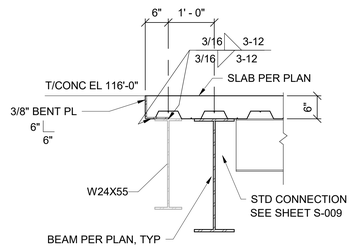
B4 SECTION
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



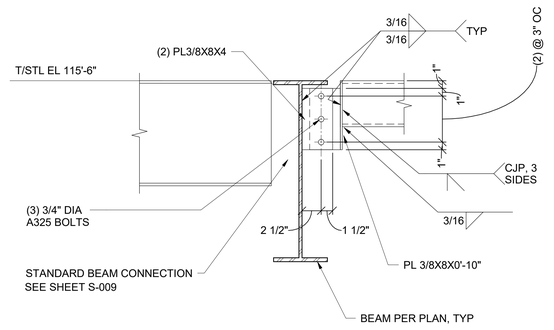
B5 SECTION
SCALE: 3/4" = 1'-0"
0 1' 2' 3'
SCALE:3/4"=1'



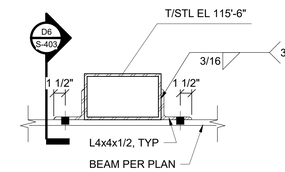
A1 SECTION
SCALE: 3/4" = 1'-0"
0 1' 2' 3'



A2 SECTION
SCALE: 3/4" = 1'-0"
0 1' 2' 3'



A3 SECTION
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



A4 SECTION
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

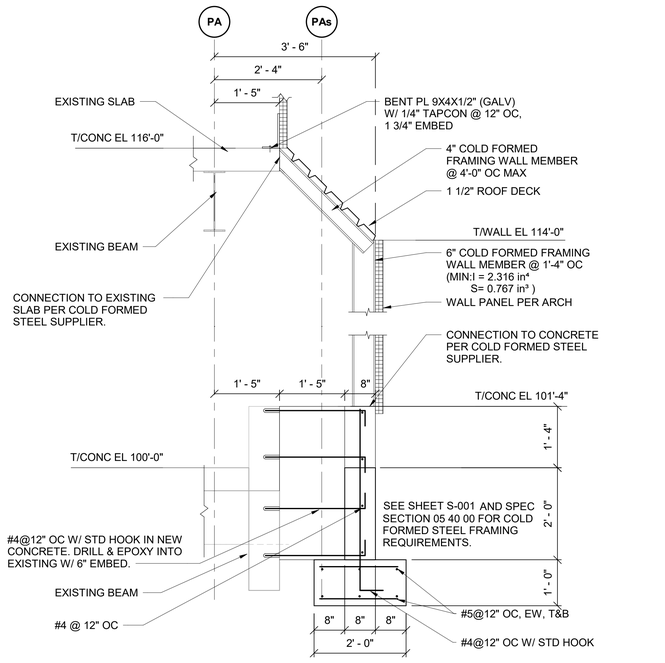
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

STRUCTURAL SECTIONS

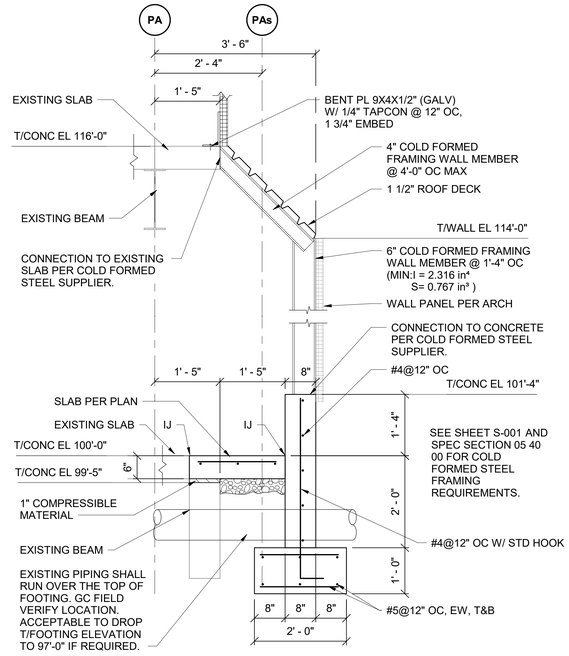
DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	06/26/18
FILE NUMBER:	104444S-403.DWG
SHEET IDENTIFICATION	S-403
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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

0 1' 2' 3'



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

0 1' 2' 3'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
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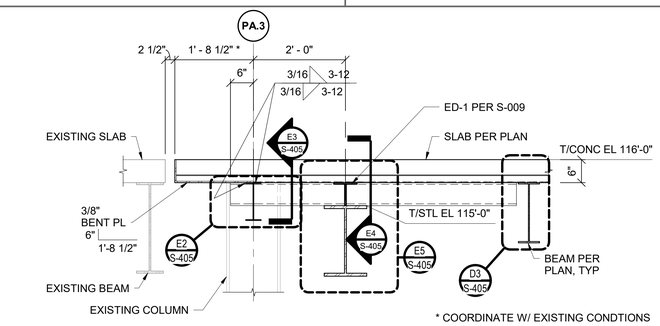
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

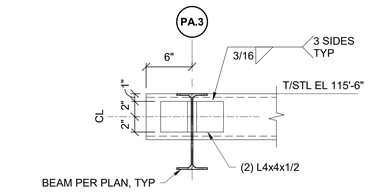
STRUCTURAL SECTIONS

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 06/21/18
FILE NUMBER: 104444S-404.DWG
SHEET IDENTIFICATION: S-404
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

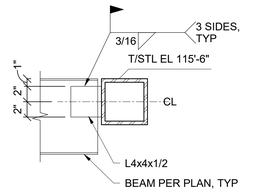
COPYRIGHT © 2018 BURNS AND MCDONNELL ENGINEERING COMPANY, INC.



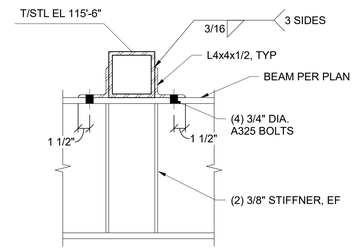
E1 SECTION
SCALE: 3/4" = 1'-0"
0 1' 2' 3'



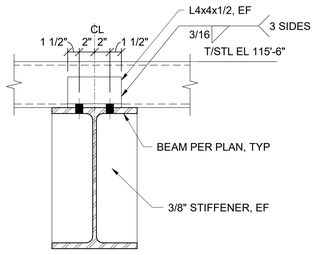
E2 DETAIL
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



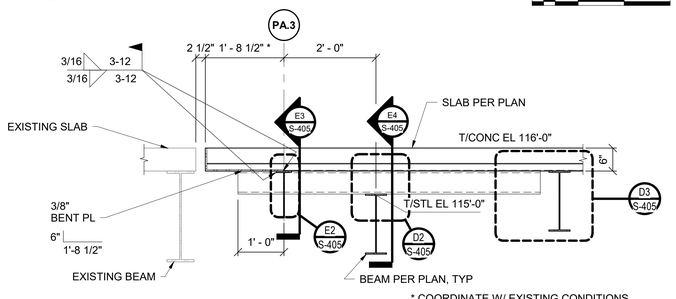
E3 SECTION
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



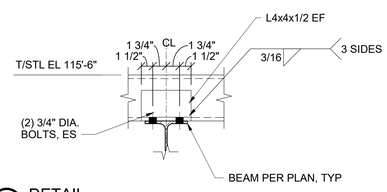
E4 SECTION
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



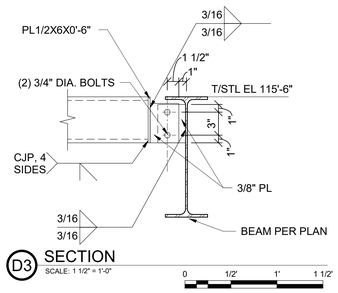
E5 DETAIL
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



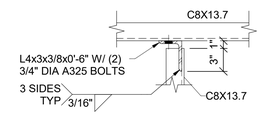
D1 SECTION
SCALE: 3/4" = 1'-0"
0 1' 2' 3'



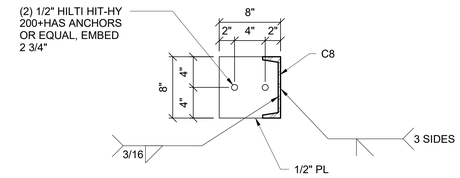
D2 DETAIL
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



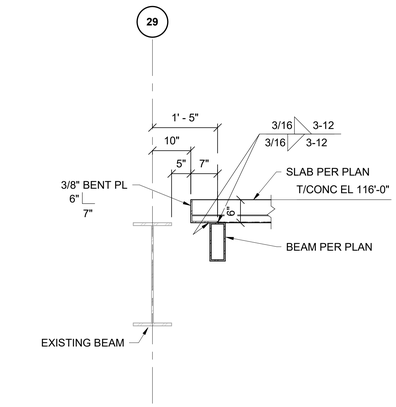
D3 SECTION
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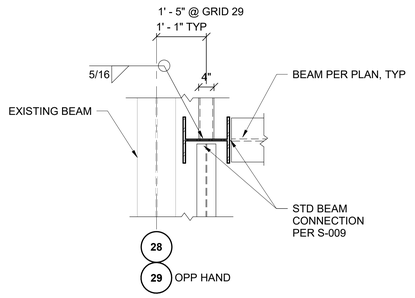
D4 DETAIL
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



D5 SECTION
SCALE: 1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



B1 SECTION
SCALE: 3/4" = 1'-0"
0 1' 2' 3'



B3 DETAIL
SCALE: 3/4" = 1'-0"
0 1' 2' 3'

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

US Army Corps of Engineers

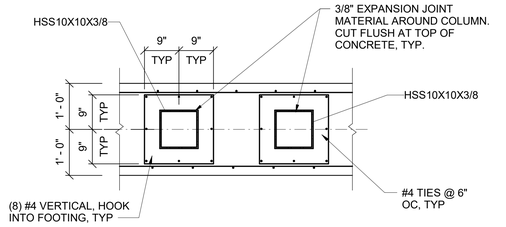
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

STRUCTURAL SECTIONS

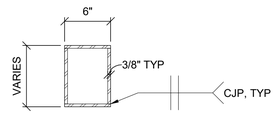
PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 08/02/18
FILE NUMBER: 104444S-405.DWG
SHEET IDENTIFICATION: S-405
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

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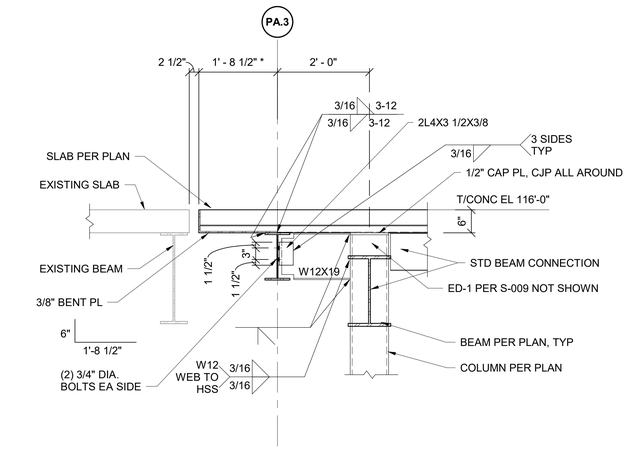


C1 SECTION
SCALE: 3/4" = 1'-0"

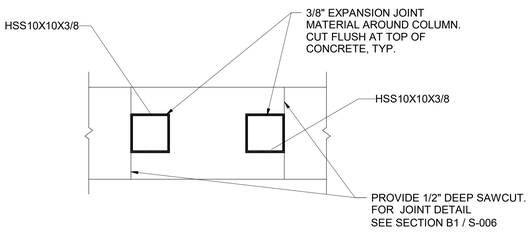


NOTE: ALL STEEL SHALL BE GRADE 50.

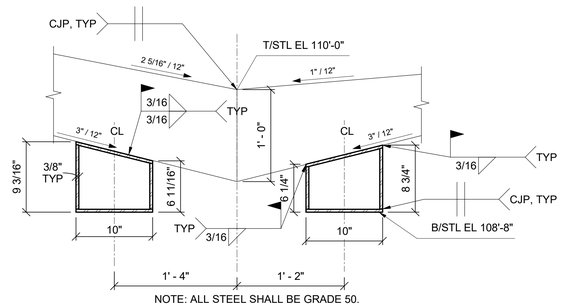
C3 SECTION
SCALE: 1 1/2" = 1'-0"



E5 SECTION
SCALE: 3/4" = 1'-0"

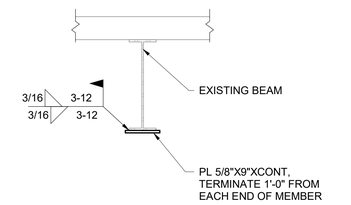


B1 SECTION
SCALE: 3/4" = 1'-0"



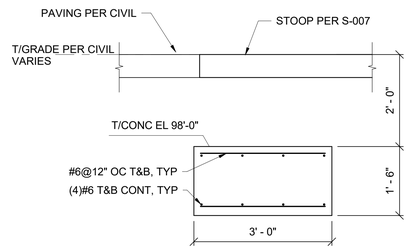
NOTE: ALL STEEL SHALL BE GRADE 50.

B3 DETAIL
SCALE: 1 1/2" = 1'-0"

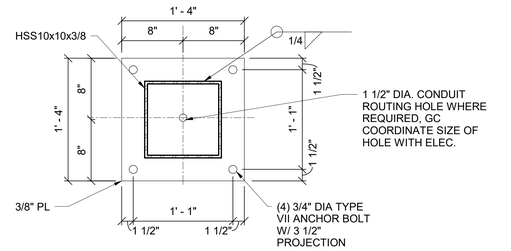


B5 SECTION
SCALE: 3/4" = 1'-0"

SCALE:3/4"=1'



A1 SECTION
SCALE: 3/4" = 1'-0"



A3 SECTION
SCALE: 1 1/2" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

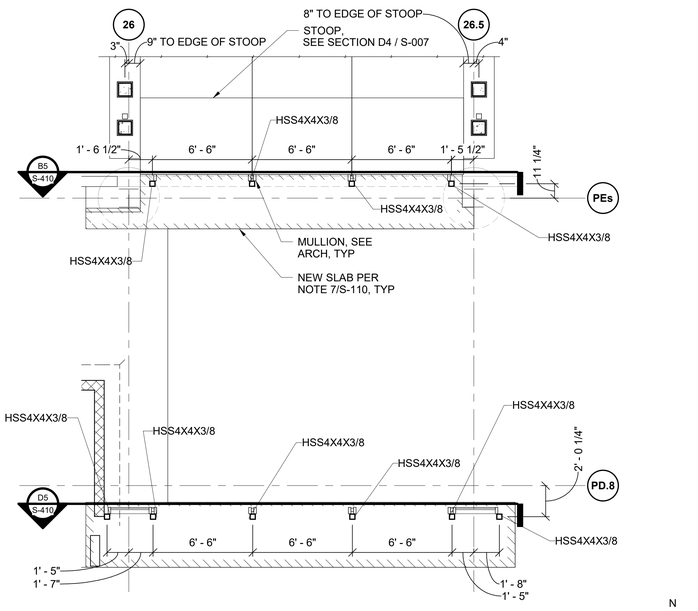
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

STRUCTURAL SECTIONS

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	09/20/18
FILE NUMBER:	104444S-406.DWG
SHEET IDENTIFICATION	S-406
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

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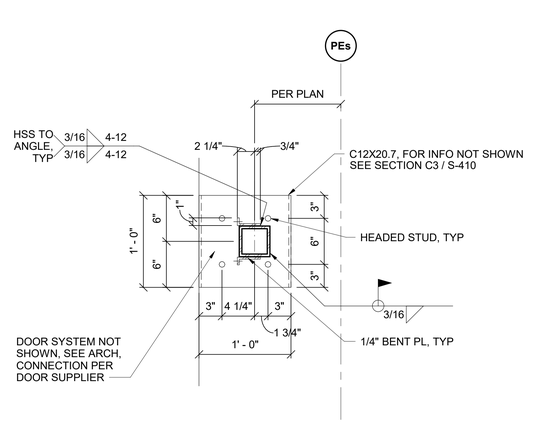


D1 ENTRY VESTIBULE PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

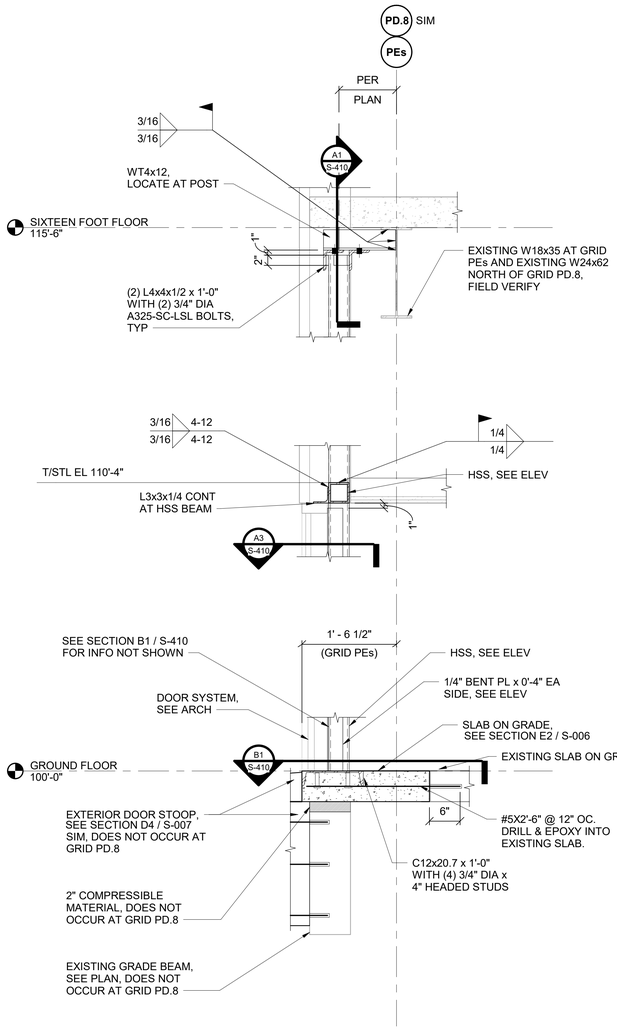
GENERAL NOTES:

1. SEE SHEET S-110 FOR NOTES.



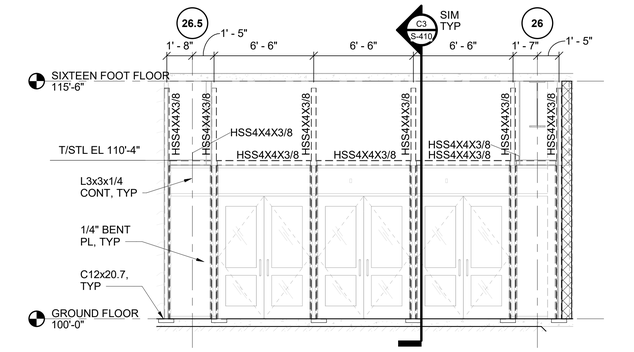
B1 SECTION
SCALE: 1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'



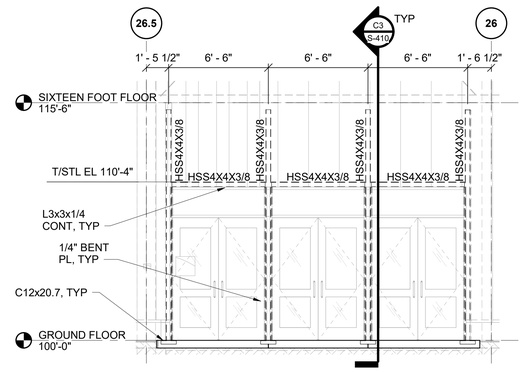
C3 SECTION
SCALE: 1" = 1'-0"

0 1/2' 1' 2'



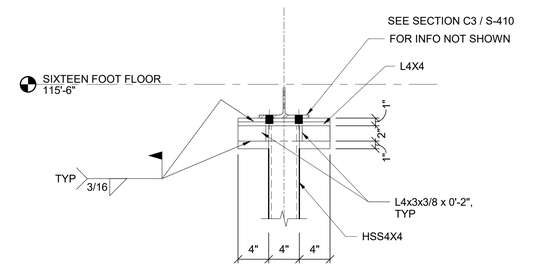
D5 ELEVATION
SCALE: 1/4" = 1'-0"

0 2' 4' 8'



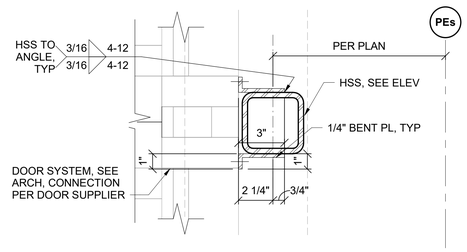
B5 ELEVATION
SCALE: 1/4" = 1'-0"

0 2' 4' 8'



A1 SECTION
SCALE: 1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'



A3 SECTION
SCALE: 3" = 1'-0"

0 3" 6" 9"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

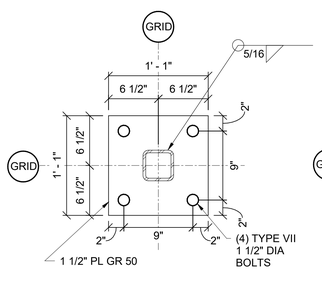
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

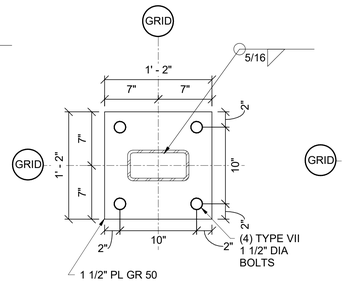
ENTRY VESTIBULE PLAN, ELEVATIONS AND DETAILS

DESIGNED BY:	W.BAILEY
DRAWN BY:	J.BRICE
CHECKED BY:	N.MUNCY
REVIEWED BY:	N.MUNCY
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	07/31/18
FILE NUMBER:	104444S-410.DWG
SHEET IDENTIFICATION	S-410
SOLICITATION NO.:	
CONTRACT NO.:	W912BV-15-D-0005
PROJECT NO.:	WWYK190115
Sheet	of

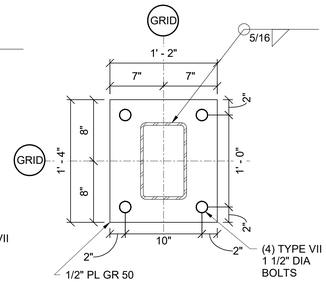
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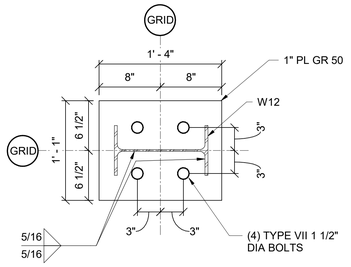
HSS 4X4 / HSS 5X5



HSS 8X4/HSS6X4



HSS 10X6



W12

BASE PLATE NOTES:
HOLES FOR ANCHOR BOLTS SHALL BE OVERSIZED AS FOLLOWS:
1 1/8" - 2" DIA. (9/16" OVERSIZE)

B1 BASE PLATE DETAILS

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

0 1/2' 1' 1 1/2'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: W.BAILEY
DRAWN BY: J.BRICE
CHECKED BY: N.MUNCY
REVIEWED BY: N.MUNCY
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

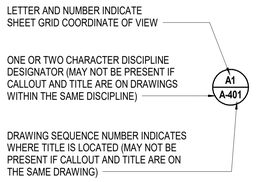
BASE PLATES

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 07/03/18
FILE NUMBER: 104444S-600.DWG
SHEET IDENTIFICATION: S-600
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
Sheet of

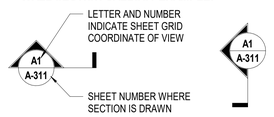
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CALL OUT IDENTIFICATION

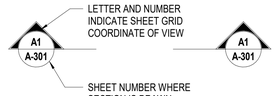
SECTION, DETAIL, AND ELEVATION SYMBOL IDENTIFIERS:



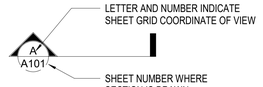
WALL SECTION CALLOUT EXAMPLE:



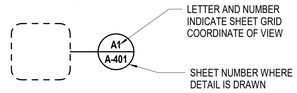
BUILDING SECTION CALLOUT EXAMPLE:



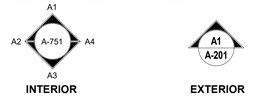
VIEW REFERENCE EXAMPLE:



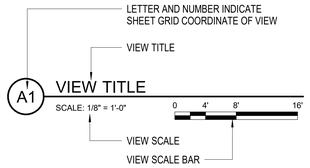
DETAIL CALLOUT EXAMPLE:



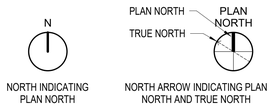
ELEVATION CALLOUT EXAMPLE:



SECTION, DETAIL, AND ELEVATION TITLE EXAMPLE:

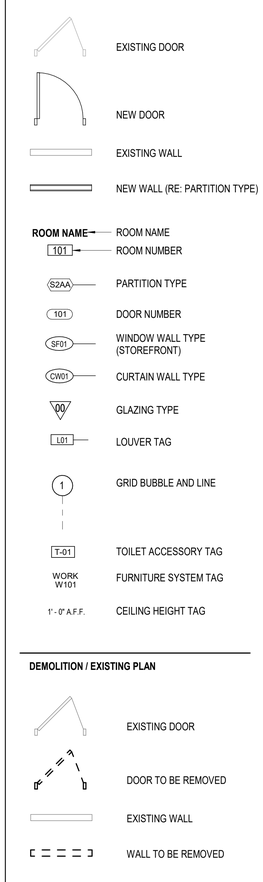


NORTH ARROW EXAMPLE:



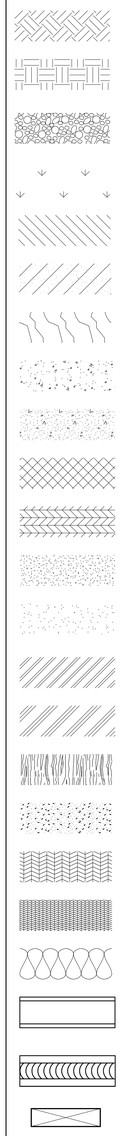
PLAN LEGEND

PLAN LEGEND:



DEMOLITION / EXISTING PLAN

MATERIAL SYMBOLS



ABBREVIATIONS

SEE ADDITIONAL FINISH MATERIAL ABBREVIATIONS IN THE MATERIAL LEGEND, DRAWING AXXX

-A-

A/E	ARCHITECT/ENGINEER
ACOUST	ACOUSTICAL
ADJ	ADJACENT, ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURE, ARCHITECT

-B-

BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BO	BOTTOM OF, AS IN "BO STEEL"
BTWN	BETWEEN

-C-

CAB	CABINET
CCTV	CLOSED CIRCUIT TELEVISION
CID	COMPREHENSIVE INTERIOR DESIGN
CJ	CONTROL JOINT, CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT, CONTRACTOR
COORD	COORDINATE
CORR	CORRUGATED OR CORRIDOR
CU	CUBIC
°C	CELSIUS

-D-

DBL	DOUBLE
DEMO	DEMOLITION
DESCR	DESCRIPTION
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING

-E-

E	EAST
EA	EACH
EEW	EMERGENCY EYEWASH
EEWS	EMERGENCY EYEWASH & SHOWER
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION, AS IN HEIGHT
ELAST	ELASTOMERIC
ELEC	ELECTRIC / ELECTRICAL
ELEV	ELEVATOR, OR ELEVATION AS IN NORTH ELEV
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	AND SO FORTH (ETCETERA)
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR

-F-

FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER WITH WALL BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FHC	FIRE HOSE CABINET (WITH EXTINGUISHER & BRACKET)
FHR	FIRE HOSE REEL (WITH EXTINGUISHER & BRACKET)
FIN	FINISHED, FINISH
FLR	FLOOR
FT	FEET / FOOT
°F	FAHRENHEIT

-G-

GA	GAUGE
GALV	GALVANIZED
GL	GIRT LINE
GRTG	GRATING
GYP	GYPSUM
GYP BD	GYPSUM BOARD

-H-

H	HIGH
HD	HAND
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING

-I-

ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATION
INT	INTERIOR

-J-

JAN	JANITOR'S CLOSET

-L-

L	LEFT, LONG, LENGTH
LAB	LABORATORY
LAT	LATITUDE
LAV	LAVATORY
LB or #	POUND
LH	LEFT HAND
LONG	LONGITUDE
LVR	LOUVER

-M-

M	METER
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MILLIMETER
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL

-N-

N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTP	NOTICE TO PROCEED
NTS	NOT TO SCALE

-O-

OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OPNG	OPENING
OPP	OPPOSITE

-P-

PA	PUBLIC ADDRESS
PERIM	PERIMETER
PKG	PACKAGE
PL	PLATE
PLMB	PLUMBING
PLYWD	PLYWOOD
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE

-R-

R	RADIUS
R/A	RETURN AIR
RCP	REFLECTIVE CEILING PLAN
RD	ROOF DRAIN
RECP	RECEPTACLE
REFER	REFERENCE
REINF	REINFORCED
REQ'D	REQUIRED
REV	REVISION
RH	RIGHT HAND
RO	ROUGH OPENING

-S-

S	SOUTH
S/A	SUPPLY AIR
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SID	STRUCTURAL INTERIOR DESIGN
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE, AS IN "SQ FT"
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STOR	STORAGE
STRUCT	STRUCTURAL
SUPP	SUPPORT
SUSP	SUSPENDED
SYS	SYSTEM

-T-

TD	TRENCH DRAIN
TECH	TECHNICAL
THRU	THROUGH
TLT	TOILET
TO	TOP OF, AS IN "TO STEEL"
TYP	TYPICAL

-U-

UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY

-V-

VENT	VENTILATE, VENTILATOR
VERT	VERTICAL
VOL	VOLUME

-W-

W	WEST, WIDTH
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WT	WEIGHT

ARCHITECTURAL GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS AS LISTED OR REFERENCED ON LIFE SAFETY PLAN AND LIFE SAFETY CRITERIA OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
2. THE CONTRACTOR SHALL INCLUDE ALL WORK REQUIRED TO COMPLY WITH ALL APPLICABLE CODES AND STANDARDS AS LISTED OR REFERENCED ON LIFE SAFETY PLAN AND LIFE SAFETY CRITERIA OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
3. DIMENSIONS SHALL GOVERN. DETAILS SHALL GOVERN OVER PLANS AND ELEVATIONS. LARGE SCALE DETAILS OR PLANS SHALL GOVERN OVER SMALL SCALE DETAILS OR PLANS. DO NOT SCALE DRAWINGS.
4. THE GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL EXIT SIGNS, EMERGENCY LIGHTING SYSTEMS, ALARM SYSTEMS AND AUTOMATIC SPRINKLER SYSTEMS AS REQUIRED BY APPLICABLE CODES AND STANDARDS OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
5. ALL FLOORS SHALL BE INSPECTED FOR DAMAGE, WARPING OR OTHER NOTICEABLE DEVIATIONS AND PATCHED AND LEVELED PRIOR TO COVERING WITH FLOOR FINISHES. INSTALLATION OF ACCESS FLOOR SYSTEM, OR ERECTION AND INSTALLATION OF COLD-FORMED FRAMING.
6. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MANUFACTURER'S RECOMMENDED MAINTENANCE PROCEDURES AND SCHEDULES.
7. ANY MANUFACTURER'S OR BRAND NAME PRODUCTS INDICATED OR SPECIFIED ARE DONE SO TO ESTABLISH A MINIMUM LEVEL OF QUALITY.
8. ALL CONSTRUCTION SHALL MEET OR EXCEED LOCAL INDUSTRY STANDARDS. DETAILS ARE PROVIDED TO INDICATE MINIMUM QUALITY AND TO GIVE STANDARDS OF CONSTRUCTION. IF A CONDITION IS NOT SPECIFICALLY DETAILED, SUBMIT A SIMILAR DETAIL FOR GUIDE AND APPROVAL.
9. THE LETTERS I, O, AND Q ARE NOT USED TO INDICATE DETAILS, SECTIONS OR ELEVATIONS.
10. PROVIDE PRESERVATIVE-TREATED WOOD AT ALL LOCATIONS WHERE WOOD IS IN DIRECT CONTACT WITH CONCRETE OR MASONRY.
11. PROVIDE 3/4" FIRE-RETARDANT TREATED PLYWOOD BACKING AT ALL ELECTRICAL, PHONE, AND SECURITY SYSTEM PANELS.
12. PROVIDE 18GA. METAL PLATE OR FIRE-RESISTANT TREATED WOOD BLOCKING FOR SECURE ANCHORAGE OF ALL SHELVES, RUNNING TRIM, RAILINGS, SUSPENDED ITEMS, DOOR-STOPS, GRAB-BARS, AND OTHER SIMILAR WOODWORK, HARDWARE, SPECIALTIES, ACCESSORIES, FIXTURES, OR EQUIPMENT.
13. PROVIDE CEMENT BOARD SHEATHING AT ALL AREAS WHERE A TILE SURFACE IS TO BE INSTALLED ON METAL STUD WALLS.
14. PROVIDE WATER-RESISTANT GYPSUM BOARD AT ALL WET OR UNCONDITIONED AREAS INCLUDING, BUT NOT LIMITED TO, PARTITIONS BEHIND SINKS. CONTRACTOR TO INSURE THAT FIRE RATING IS MAINTAINED.
15. PAINT, STAIN, OR COAT ALL EXPOSED SURFACES OF CONSTRUCTION UNLESS NOTED OTHERWISE OR IF SURFACES ARE PRE-FINISHED.
16. ALL OPENING DIMENSIONS ARE NOMINAL. THE CONTRACTOR SHALL FIELD MEASURE ALL OPENINGS AND COORDINATE WITH THE APPROPRIATE SUPPLIER FOR ALL DOORS AND WINDOWS.
17. ALL CONDUITS, PLUMBING, PIPING, DUCTWORK, AND OTHER EQUIPMENT EXPOSED TO VIEW SHALL BE LOCATED PARALLEL OR PERPENDICULAR TO THE STRUCTURAL FRAMING SYSTEM.
18. PROVIDE GALVANIC PROTECTION BETWEEN DISSIMILAR MATERIALS, WHERE REQUIRED.
19. CERAMIC TILE TO BE INSTALLED UP TO 4'-0" ABOVE FINISH FLOOR AND 1'-0" TO EITHER SIDE AT ALL MOP SINK LOCATIONS. EXTENT OF TILE VARIES BY LOCATION.
20. ARCHITECTURAL DETAILS ARE APPLICABLE WHERE INDICATED BY SECTION CUT, BY NOTE, OR BY DETAIL TITLE. INCORPORATE SIMILAR DETAILS AT SIMILAR CONDITIONS UNLESS NOTED OTHERWISE. THE CONTRACTOR MAY REQUEST A CLARIFICATION IF REQUIRED, OTHERWISE THE MORE STRINGENT REQUIREMENTS SHALL CONTROL.
21. PROVIDE FIRE-STOPPING SYSTEMS AT TOP OF AND AT ALL PENETRATIONS THROUGH FIRE-RATED PARTITIONS.
22. SEAL ALL EXTERIOR BUILDING JOINTS AT BOTH THE EXTERIOR AND INTERIOR SURFACES AGAINST MOISTURE AND AIR INFILTRATION.
23. SEAL AROUND ALL DOOR AND WINDOW FRAMES, COUNTERTOPS, WALL-MOUNTED FIXTURES AND EQUIPMENT TO ADJACENT WALL SURFACES.
24. THE CONTRACTOR SHALL REVIEW THE DIMENSIONS OF ALL EQUIPMENT IN THE PROJECT REGARDLESS OF THE SOURCE AND COORDINATE ACCESS TO THE SPACE AND VERIFY CLEAR FLOOR SPACE IS PROVIDED AS REQUIRED TO ENSURE EASE OF INSTALLATION.
25. ALL WORK MUST BE OF GOOD QUALITY, FREE FROM DEFECTS, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
26. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL PENETRATIONS IN THE STRUCTURE FOR THE PROPER INSTALLATION OF THE WORK. REFER TO STRUCTURAL DRAWINGS FOR SECONDARY FRAMING AND OR REINFORCING REQUIRED AT PENETRATIONS IN STEEL, CONCRETE OR MASONRY.
27. THE CONTRACTOR SHALL PROVIDE ACCESS DOORS OR PANELS AS REQUIRED FOR SERVICING OF PIPING, DUCTWORK, CABLE TRAYS, FIRE DAMPERS AND SIMILAR APPLICATIONS. ALL PROPOSED ACCESS DOOR LOCATIONS TO BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.
28. PROVIDE ALL HVAC, PLUMBING, GAS OR ELECTRIC SERVICE CONNECTIONS TO CASEWORK, FIXTURES, SIGNAGE, OR EQUIPMENT INDICATED (WHETHER UNITS ARE INSTALLED BY CONTRACTOR OR BY OTHERS).
29. BRACE PARTITIONS, SUSPENDED CEILINGS, SOFFITS, SUSPENDED ITEMS, ETC. ONLY TO STRUCTURAL ELEMENTS ABOVE. DO NOT ANCHOR TO ROOF DECK, PLUMBING / SPRINKLER PIPES, DUCTWORK, ELECTRICAL CONDUIT OR SIMILAR ELEMENTS.
30. EXTEND ALL FLOORING AND WALL-BASE COMPLETELY INTO RECESSES, UNDER OPEN COUNTERTOPS, AND BEHIND ALL EQUIPMENT.
31. ALL MATERIALS USED FOR CONSTRUCTION SHALL BE NEW AND UNDAMAGED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL WORK SHOWN.
32. THE CONTRACTOR SHALL BECOME FULLY ACQUAINTED WITH CONDITIONS RELATED TO THE WORK. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE ACTUAL CONDITIONS SHALL BE REPORTED TO THE DESIGN PROFESSIONALS FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.
33. DRAWINGS CONTAINED IN THIS SET SHALL NOT BE REPRODUCED FOR SHOP DRAWINGS. COPIES OF THESE DRAWINGS SUBMITTED AS SHOP DRAWINGS WILL BE REJECTED AND RETURNED TO THE CONTRACTOR.
34. EACH INSTALLER MUST EXAMINE SUBSTRATE AND/OR CONDITIONS UNDER WHICH THE WORK WILL BE INSTALLED AND REPORT TO THE CONTRACTOR IN WRITING ANY CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY EXECUTION OF THE INSTALLERS WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED. INSTALLATION SHALL CONSTITUTE ACCEPTANCE OF THE SUBSTRATE AND/OR CONDITIONS.
35. "TYPICAL" (TYP) AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITIONS OR DIMENSION IS THE SAME OR REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT.
36. CONTROL JOINTS (CJ) SHALL BE INSTALLED AT ALL PARTITIONS. CJ AT GYPSUM PARTITIONS SHALL BE MAXIMUM 30'-0" O.C., CJ AT CONCRETE MASONRY UNIT PARTITIONS SHALL BE MAXIMUM 20'-0" O.C., UNLESS OTHERWISE NOTED ON DRAWINGS. REFER TO ELEVATION DRAWINGS FOR EXTERIOR CONTROL JOINT LOCATIONS. REVIEW CJ LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
37. NON-BEARING PARTITIONS SHALL BE ISOLATED FROM THE BUILDING STRUCTURE TO PREVENT TRANSFER OF BUILDING LOADS FROM THE STRUCTURE TO THE PARTITIONS.
38. PRIOR TO BEGINNING ANY WORK, NOTIFY OWNER OF ANY EXISTING MATERIALS OBSERVED TO POSSIBLY CONTAIN ASBESTOS.
39. REMOVE ABANDONED PIPE, DUCTS, CONDUITS, AND EQUIPMENT INCLUDING THOSE ABOVE ACCESSSIBLE CEILINGS BACK TO THE SOURCE OF SUPPLY WHERE POSSIBLE. WHERE NOT POSSIBLE CAP, STUB, AND TAG WITH IDENTIFICATION. PATCH HOLES LEFT BY REMOVAL USING MATERIALS SPECIFIED FOR NEW CONSTRUCTION.
40. REMOVE EXISTING WORK AS INDICATED AND AS REQUIRED TO ACCOMPLISH NEW WORK.
41. WHERE EXISTING FINISHED SURFACES ARE CUT SO THAT A SMOOTH TRANSITION WITH NEW WORK IS NOT POSSIBLE, TERMINATE EXISTING SURFACE ALONG A STRAIGHT LINE AT A NATURAL LINE OF DIVISION AND MAKE RECOMMENDATION TO ARCHITECT.
42. PROTECT EXISTING WORK TO REMAIN. PERFORM CUTTING TO ACCOMPLISH REMOVALS NEATLY AND AS SPECIFIED FOR CUTTING NEW WORK. REPAIR ADJACENT CONSTRUCTION AND FINISH DAMAGED DURING REMOVAL WORK. PATCH AS SPECIFIED FOR PATCHING NEW WORK.
43. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXTENT, NATURE, AND SCOPE OF WORK DESCRIBED IN THE CONTRACT DOCUMENTS AND COORDINATING WITH THE OWNER OR HIS/HER REPRESENTATIVE THE INTERFACING OF THE EXISTING BUILDING AND THE WORK SHOWN AND DESCRIBED IN THESE CONTRACT DOCUMENTS.
44. ALL "EXISTING" INFORMATION ON THE CONTRACT DOCUMENTS HAS BEEN OBTAINED FROM A PREVIOUS SET OF DRAWINGS, OR FROM FIELD INVESTIGATION AND SUCH "EXISTING" INFORMATION SHALL BE FIELD VERIFIED BY ALL CONTRACTORS.
45. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR DESIGNATED CONSTRUCTION STAGING LOCATIONS, STORAGE AREAS, AND CONSTRUCTION SEQUENCING.

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SYMBOL	REVISIONS	DATE	APPROVED

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9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

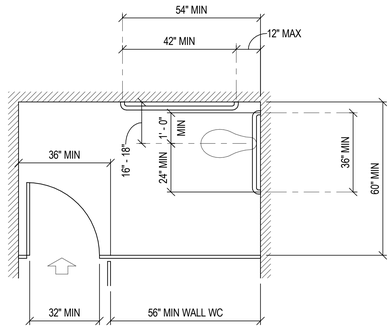
DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

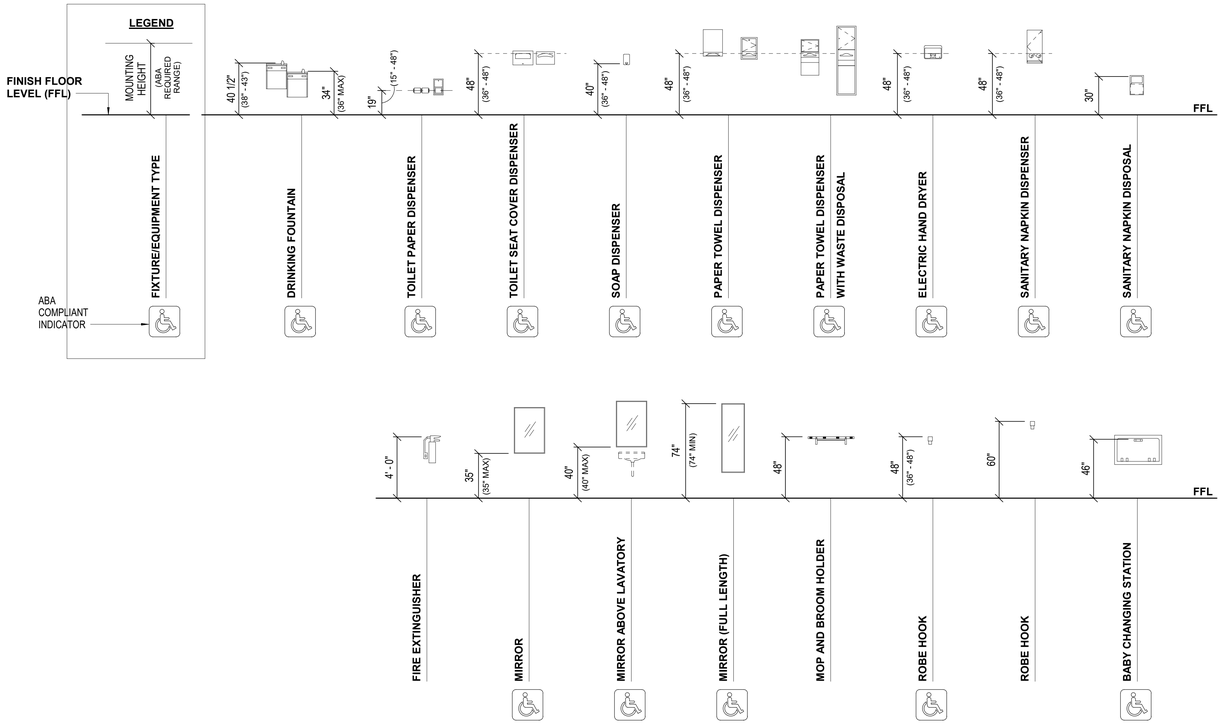
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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ARCHITECTURAL GENERAL NOTES, LEGEND AND ABBREVIATIONS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444AG001.DWG
SHEET IDENTIFICATION: AG001
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

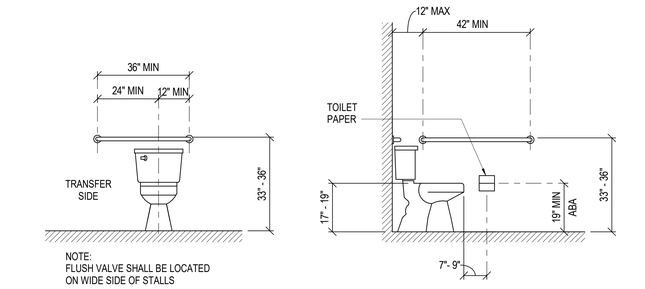


C4 STANDARD STALL
SCALE: 1/2" = 1'-0"

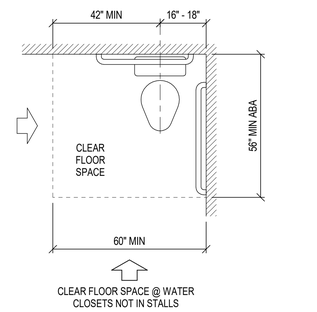


NOTE: PROVIDE BLOCKING FOR ALL TOILET ACCESSORIES AS NEEDED.

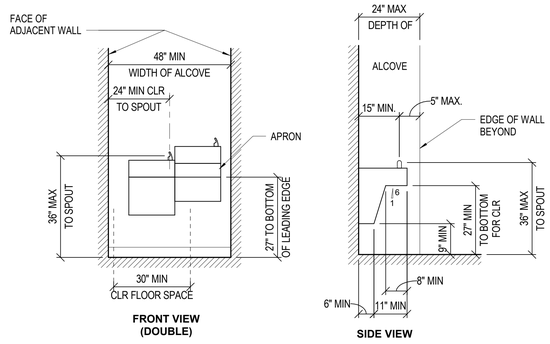
C3 STANDARD ABA MOUNTING HEIGHTS
SCALE:NTS



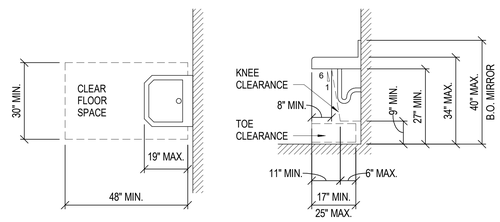
B5 GRAB BARS
SCALE: 1/2" = 1'-0"



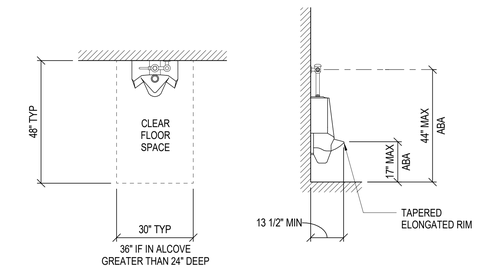
B4 WATER CLOSETS
SCALE: 1/2" = 1'-0"



A5 ELECTRIC WATER COOLER
SCALE:NTS



A4 LAVATORIES
SCALE:NTS



A3 URINALS
SCALE: 1/2" = 1'-0"

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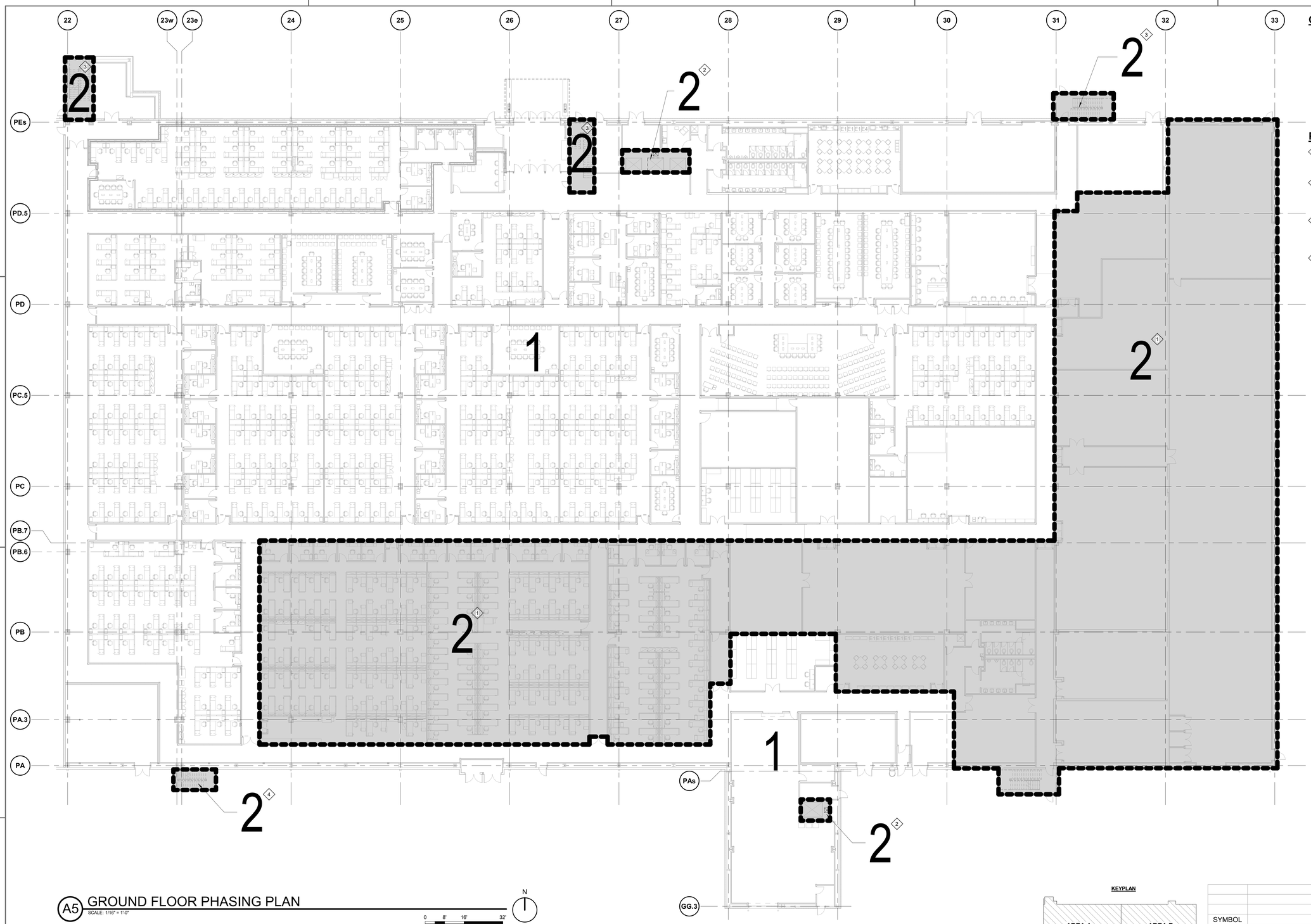
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ABA INFORMATION

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/20/17
FILE NUMBER:	104444AG002.DWG
SHEET IDENTIFICATION	AG002
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
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GENERAL PHASING PLAN NOTES:

1. PHASING IS SHOWN FOR REFERENCE ONLY. PHASE 2 IS TO BE PART OF A SEPARATE PROJECT UNDER A SEPARATE CONTRACT.
2. PHASE 1 DEMOLITION SCOPE TO INCLUDE ALL LEVELS BETWEEN GRIDLINES 22 AND 33 AS INDICATED ON AD010-AD013, AND THE EXTENT OF THE ROOF AS INDICATED ON AD014.

PHASING PLAN KEYNOTES:

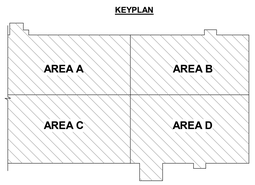
1. PHASE 1 WORK IN THIS AREA WILL INCLUDE INTERIOR PERIMETER WALLS AND REPLACING EXISTING EXTERIOR DOORS.
2. PHASE 1 WORK IN THIS AREA WILL INCLUDE THE ELEVATOR PIT AND SHAFT WALLS UP TO THE SIXTEEN FOOT FLOOR. THE SIXTEEN FOOT FLOOR SLAB OPENING WILL BE CUT AND TEMPORARILY INFILLED WITH A HORIZONTAL SHAFT WALL.
3. PHASE 1 WORK IN THIS AREA WILL INCLUDE REPLACING EXISTING DOORS AND DOOR FRAMES ON THE GROUND FLOOR AND ADDING EXITING SIGNAGE ON THE GROUND FLOOR. EXISTING STAIRS TO REMAIN AS IS DURING PHASE 1.
4. NEW EXTERIOR STAIR TO BE BUILT ENTIRELY AS PART OF PHASE 2.

A5 GROUND FLOOR PHASING PLAN
SCALE: 1/16" = 1'-0"

0 8' 16' 32'

N

KEYPLAN



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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
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PHASING PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/26/18
FILE NUMBER: 104444AG003.DWG
SHEET IDENTIFICATION: AG003
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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1. APPLICABLE CODES AND STANDARDS

ABBREVIATIONS	TITLE	EDITION
IBC	INTERNATIONAL BUILDING CODE	2015
IEBC	INTERNATIONAL EXISTING BUILDING CODE PROJECT FOLLOWS CHAPTER 4 PRESCRIPTIVE COMPLIANCE METHOD FOR ALTERATIONS AND ADDITIONS	2015
IMC	INTERNATIONAL MECHANICAL CODE	2015
IPC	INTERNATIONAL PLUMBING CODE	2015
NFPA 01	UNIFORM FIRE CODE	2018
NFPA 10	STANDARD FOR PORTABLE FIRE EXTINGUISHERS	2018
NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS	2016
NFPA 70	NATIONAL ELECTRICAL CODE	2017
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE	2016
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2016
NFPA 90A	STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS	2015
NFPA 101	LIFE SAFETY CODE	2018
NFPA 400	HAZARDOUS MATERIALS CODE	2016
UFC 1-200-01	GENERAL BUILDING REQUIREMENTS	20 JUNE, 2016
UFC 1-200-02	HIGH PERFORMANCE AND SUSTAINABLE BUILDING REQUIREMENTS	1 MARCH, 2013
UFC 3-101-01	ARCHITECTURE	
UFC 3-110-03	ROOFING	
UFC 3-230-01	WATER STORAGE, DISTRIBUTION, AND TRANSMISSION	CHANGE 2, 1 JULY, 2014
UFC 3-400-02	DESIGN: ENGINEERING WEATHER DATA	
UFC 3-401-01	MECHANICAL ENGINEERING	
UFC 3-410-01	DESIGN: HEATING, VENTILATING, AND AIR CONDITIONING	
UFC 3-420-01	PLUMBING SYSTEM	
UFC 3-600-01	DESIGN: FIRE PROTECTIVE ENGINEERING FOR FACILITIES	CHANGE 1, 28 NOVEMBER, 2016
UFC 4-010-01	DoD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS	CHANGE 1, 1 OCTOBER, 2013
UFC 4-010-05	SENSITIVE COMPARTMENTED INFORMATION FACILITIES PLANNING, DESIGN, AND CONSTRUCTION	
UFC 4-010-06	CYBERSECURITY OF FACILITY-RELATED CONTROL SYSTEMS	
UFC 4-021-01	DESIGN AND O&M: MASS NOTIFICATION SYSTEMS	CHANGE 1, JANUARY, 2010
UFC 4-510-01	(MILITARY HANDBOOK 1911)	
ICD/ICS-705-1	TECHNICAL SPECIFICATIONS FOR CONSTRUCTION AND MANAGEMENT FOR SENSITIVE COMPARTMENTED INFORMATION FACILITIES	
ICC 500-2014	ICC/NSSA STD FOR THE DESIGN/CONSTRUCTION OF STORM SHELTERS	2014
ASHRAE 62.1-2013	VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY	2013
ASHRAE 90.1-2013	ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS	2013
ASHRAE 189.1-2011	STANDARD FOR THE DESIGN OF HIGH-PERFORMANCE GREEN BUILDINGS	2011
AF ETL 01-18	FIRE PROTECTION ENGINEERING CRITERIA - ELECTRONIC EQUIPMENT INSTALLATIONS	2001
AF ETL 90-7	AF INTERIOR DESIGN POLICY	
	U.S. ARMY CORPS OF ENGINEERS, TULSA DISTRICT, DESIGN REQUIREMENTS FOR ALL DISCIPLINES	JUNE, 2005
TAFB	TINKER AFB FACILITY STANDARD (INCLUDES ARCHITECTURAL COMPATABILITY PLAN)	2016
	TINKER AFB AFFIRMATIVE PLAN (ALSO KNOWN AS GREEN PROCUREMENT)	
	TINKER AFB SPECIFICATION STANDARDS 00 71 00 GENERAL REQUIREMENTS FOR CONSTRUCTION OF TINKER AFB	
	TINKER AFB SPECIFICATION STANDARDS 00 72 00 ENVIRONMENTAL REQUIREMENTS FOR CONSTRUCTION OF TINKER AFB	
TAFBI 90-1701	FACILITY INFRASTRUCTURE ENERGY MANAGEMENT	28 OCTOBER, 2011
	TULSA DISTRICT CADD STANDARDS	APRIL 2009
	EXECUTIVE ORDER 13423, 10 USC 2802 (c) - SUSTAINABLE PRINCIPLES	

2. TYPE OF CONSTRUCTION (IBC 601)

BUILDING ELEMENT	TYPE OF CONSTRUCTION	FIRE RESISTANCE RATING
PRIMARY STRUCTURAL FRAME	IB	2 HR ***
BEARING EXTERIOR WALL	IB	2 HR **
BEARING INTERIOR WALL	IB	2 HR *
NON-BEARING EXTERIOR WALL	IB	0 HR **
NON-BEARING INTERIOR WALL	IB	0 HR *
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	IB	2 HR *
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	IB	0 HR ****

* EXCEPT AS REQUIRED FOR OCCUPANCY SEPARATION, INCIDENTAL USE, AND OTHER PASSIVE FIRE PROTECTION.
** EXCEPT AS REQUIRED FOR BUILDING SEPARATION.
*** EXCEPT AS REQUIRED TO SUPPORT HORIZONTAL ASSEMBLY (IBC 714.4)
**** ROOF STRUCTURE IS GREATER THAN 20 FEET FROM HIGHEST OCCUPIED FLOOR. FOOTNOTE B, TABLE 601, 2015 IBC
***** EXISTING CMU WALLS AT STAIRS ARE ASSUMED TO BE 1-HOUR RATED.

3. CLASSIFICATION OF OCCUPANCY

AREAS	OCCUPANCY	IBC	NFPA 101
CONFERENCE ROOM > 49 OCCUPANTS	ASSEMBLY, GROUP A-3	303.4	6.1.2
OPEN OFFICE, CIRCULATION, RESTROOMS, LOBBY, BREAK ROOM, MECH, ELEC, SERVER ROOMS	BUSINESS, GROUP B	304	6.1.11
COMM, STORAGE ROOMS	STORAGE, GROUP S-1	311	6.1.13

*GROUP B OCCUPANCY WITH ACCESSORY A-3 AND S-1 PER IBC 508

4. BUILDING ALLOWABLE AREA (IBC TABLE 506.2)

OCCUPANCY	ALLOWABLE AREA (SF)
B	UNLIMITED

* ALLOWABLE AREA APPLIES ONLY TO LEVEL 1 OF PHASE 1 SCOPE OF WORK. ADDITIONAL FLOORS AS PART OF PHASE 2 SCOPE OF WORK ARE NOT INCLUDED IN THIS ALLOWABLE AREA SUMMARY.

5. ALLOWABLE HEIGHT (IBC TABLES 504.3, 504.4)

OCCUPANCY	ALLOWABLE HEIGHT (FT / STORY)
A-3, B, S-1	180 / 12

* FOR NONSEPARATED OCCUPANCIES THE MOST RESTRICTIVE , NON-ACCESSORY, OCCUPANCY LIMTATIONS ARE USED.

6. ACCESSORY OCCUPANCY 10% LIMITATION (IBC 508.2)

FLOOR	FLOOR AREA (SF)	ACCESSORY	ACCESSORY AREA (SF)	PERCENTAGE OF AREA (SUM < 10%)*
LEVEL 1	83,839	A-3	3,287	3.9%
LEVEL 1	83,839	S-1	5,734	6.8%

* 10% LIMITATION REQUIRED FOR ENTIRE GROUND FLOOR AREA OF FACILITY. CALCULATED PERCENTAGE SHOWN IS ONLY FOR PHASE 1 SCOPE OF WORK, AND DOES NOT SURPASS THE 10% LIMITATION OF ENTIRE GROUND FLOOR AREA.

7. OCCUPANT LOAD CALCULATIONS (NFPA 101 7.3.1.2, UFC 3-600-01 TABLE 10-1)

FLOOR	AREA	FUNCTION OF SPACE (USE)	OCCUPANT LOAD FACTOR (SF/PERSON)	AREA (SF)	OCCUPANTS
LEVEL 1	CONFERENCE ROOMS, BREAK ROOM, MEETING ROOMS	ASSEMBLY	15 NET	5,760	384
LEVEL 1	OFFICES, RESTROOMS, WAR ROOMS, IPT	BUSINESS	150 GROSS	62,437	417
LEVEL 1	SERVER ROOMS, IT STORAGE	IT / TELECOMMUNICATIONS	300 GROSS	5,160	18
LEVEL 1	STORAGE ROOMS, MECH, ELEC, COMM, CONTROL ROOMS	STORAGE	500 GROSS	10,482	21

8. OCCUPANT LOAD SUMMARY AND MINIMUM EXITS FROM FLOOR (NFPA 101 7.4.1.2)

FLOOR	GROSS AREA (SF)	OCCUPANTS	REQUIRED EXITS (NFPA 101)	REQUIRED EXIT SEPARATION (NFPA 101)
LEVEL 1	83,839	840	3	1/3 DIAGONAL (7.5.1.3.3)

9. COMMON PATH, DEAD-END, AND TRAVEL DISTANCE LIMITS (NFPA TABLE A.7.6)

OCCUPANCY	COMMON PATH LIMIT (FT)	DEAD END LIMIT (FT)	TRAVEL DISTANCE LIMIT (FT)
ASSEMBLY	20 FOR ≥ 50 PERSONS 75 FOR < 50 PERSONS	20*	250
BUSINESS	100	50	300
STORAGE	100	100	400

* 20 FT ASSEMBLY DEAD END CORRIDOR IS WAIVED FOR THIS PROJECT.

10. MINIMUM EGRESS WIDTHS

COMPONENT	REQUIREMENT	WIDTH (IN)	NFPA 101
DOORS IN EGRESS ACCESS	PER COMPONENT	32	SECTION 7.2.1.2.3.2
CORRIDOR SERVING 50 OR MORE OCCUPANTS	MINIMUM	44	SECTION 12.2.3.8
CORRIDOR SERVING LESS THAN 50 OCCUPANTS	MINIMUM	36	SECTION 7.3.4
STAIRWAYS	PER PERSON	0.3	TABLE 7.3.3.1

11. MINIMUM INTERIOR FINISH RATINGS (NFPA, TABLE A.10.2.2)

OCCUPANCY	EXITS	EXIT ACCESS CORRIDORS	OTHER SPACES
BUSINESS	CLASS C	CLASS C	CLASS C
ASSEMBLY	CLASS B	CLASS C	CLASS C
STORAGE	CLASS C	CLASS C	CLASS C

12. FIRE SUPPRESSION REQUIREMENTS (UFC 3-600-01 4-2.2, 4-9)

SPRINKLERS (IBC 903)	STANDPIPE (IBC 905)	FIRE EXTINGUISHERS (IBC 906)
SPRINKLERS PROVIDED THROUGHOUT THE BUILDING	NOT REQUIRED	NOT REQUIRED*

* CLEAN AGENT TYPE FIRE EXTINGUISHERS WILL BE PROVIDED IN LOCATIONS NOTED ON THE PLANS PER UFC 3-600-01.

13. REQUIRED PLUMBING FIXTURES* (IBC 2901.1, UFC 3-420-01)

FLOOR / OCCUPANCY	OCCUPANT LOAD	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS
		RATIOS	REQUIRED / PROVIDED			
LEVEL 1 / ASSEMBLY	384	M: 1 PER 125; F: 1 PER 65	1.54M 2.95 F	0.96 M	0.96 F	0.77
LEVEL 1 / BUSINESS	417	M/F: 1 PER 20 UP TO 100; THEN 1 PER 45	7.71 M 7.71 F	7.41 M	7.41 F	5.56
LEVEL 1 / STORAGE	21	M/F: 1 PER 40	0.53M 0.53 F	0.53 M	0.53 F	0.28
LEVEL 1 / IT	18	M/F: 1 PER 40	0.45M 0.45 F	0.45 M	0.45 F	0.24
TOTAL REQUIRED			10.23 M 11.64 F	9.35 M	9.35 F	6.85
PROVIDED ON LEVEL 1		WC: MIN. 67% REQUIRED; URINAL: MAX 33%	11 M (8 WC + 3 U) 12 F	10 M	11 F	8

* ONE SERVICE SINK IS REQUIRED
**NOTE: 500 FT RESTROOM DISTANCE LIMITATION IS WAIVED FOR THIS PROJECT. COMPLIANCE WILL BE ATTAINED WITH THE COMPLETION OF PHASE 2.

ONLINE CERTIFICATIONS DIRECTORY

Design No. D927
BXUV.D927
Fire-resistance Ratings - ANSI/UL 263

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. D927

January 03, 2018

Restrained Assembly Ratings — 3/4, 1, 1-1/2, 2 & 3 Hr

(See Items 1, 6, 7, 8 & 11)

Unrestrained Assembly Ratings — 0 Hr

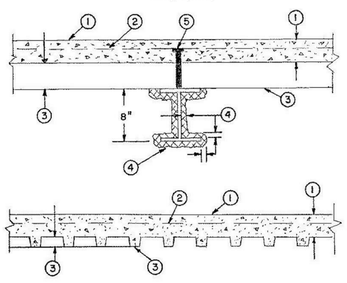
(See Item 3)

Unrestrained Beam Ratings — 1, 1-1/2, 2 & 3 Hr

(See Items 4, 4A, 7 & 11)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



Supports — W8x28 min size steel beams. Or steel joists or joist girders (not shown), composite or noncomposite. Welded or bolted to end supports. Designed per S.J.I. specifications for a max tensile stress of 30 ksi. May be either uncoated or provided with a shop coat of paint. For the 2 h or less Restrained or Unrestrained Beam Ratings, top and bottom chords shall each consist of two angles with a min total area of 0.96 and 0.77 sq in., respectively. Web members shall be either round bars or angles. Min area of the end diagonal web shall be 0.444 sq in. Min area of each of the first six interior diagonal webs shall be 0.406 sq in. All other interior webs shall have a min area of 0.196 sq in. For the 3 h Restrained or Unrestrained Beam Ratings, each of the top and bottom chords shall each consist of two angles with a min total area of 1.74 sq in. Web members shall be either round bars or angles. Min area of each of the first five end diagonal webs shall be 0.886 sq in. All other interior webs shall have a min area of 0.441 sq in. Bridging per S.J.I. specifications is required when noncomposite joists are used. For noncomposite joists, steel filler pieces of proper size, 1 to 2 in. long shall be welded to and between the top chord angles at midway between all top chord panel points.

1. **Normal Weight or Lightweight Concrete —** Normal weight concrete carbonate or siliceous aggregate, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, or slate aggregate by rotary-kiln method, or expanded clay aggregate by rotary-kiln or sintered-grate method, 3000 psi compressive strength, vibrated, 4 to 7 percent entrained air.

Restrained Assembly Rating Hr	Concrete (Type)	Concrete Unit Weight pcf	Concrete Thkns In.
1	Normal Weight	147-153	3-1/2
1-1/2	Normal Weight	147-153	4
2	Normal Weight	147-153	4-1/2
3	Normal Weight	147-153	5-1/4
3/4 or 1 (See Item 6)	Lightweight	107-113	2-1/2
1	Lightweight	107-120	2-5/8
1-1/2	Lightweight	107-113	3
2	Lightweight	107-113	3-1/4
2	Lightweight	107-116	3-1/4*
2	Lightweight	114-120	3-1/2
3	Lightweight	107-113	4-3/16
3	Lightweight	114-120	4-7/16

*For use with 2 or 3 in. steel floor and form units only.

2. **Welded Wire Fabric —** 6 x 6, 10 x 10 SWG.

3. **Steel Floor and Form Units* —** Composite 1-1/2, 1-5/8, 2 or 3 in. deep galv units or 4-1/2 in. deep noncomposite galv units. Fluted units may be uncoated or phosphatized/painted. Min gauges are 22 MSG for fluted and 20/20 MSG for cellular units. The following combinations of units may be used:

(1) all 18, 24, 26, 28 or 36 in. wide cellular.

(2) all fluted.

(3) one or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular units, alternating with 3 in. deep fluted or other cellular.

(4) any blend of fluted and 18, 24, 26, 28, or 36 in. wide cellular.

(5) 3 in. deep, 30 in. wide cellular with 8-1/8 in. wide valley along side joints may be used when 3/8 in. diam reinforcing bars are placed 1-1/2 in. to each side of side joints and 1 in. above bottom of units.

(6) Corrugated, 1-5/16 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations. Welded to supports 12 in. OC. through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC. but less than or equal to 12 in. OC., steel deck stress shall not exceed 12 KSI.

ASC STEEL DECK, DIV OF ASC PROFILES L L C — 32 in. wide Types NH-32, NHN-32, NHF-32; 36 in. wide Types NH-36, NHN-36, NHF-36, 3N36, 3N36-2, 3N36-3, 3N36-4, 3N36-5, 3N36, 2WHF-36, 3WHF-36, 3WHN-36, BWHN-36, 2WHF-36A, 3WHF-36A, 3WHN-36A, DG2W-36, DG3W-36, DG2WF-36. All units may be galvanized or Prime Shield. Non-cellular decks may be vented designated with a "V" suffix to the product name. Cellular deck top and bottom sections may be riveted together (designated with "Fr") vs. arc spot welded, "F".

CANAM STEEL CORP — 36 in. wide Types P-3623, P-3606, P-3615 and 24 in wide Type P-2432 composite.

KAM INDUSTRIES LTD, DBA CORDECK — QL Types, 24 in. wide 3 or 3 inverted, UKX, UKX-3, 2 in. 99, AKX, 21 or 21 inverted, 121, NKX, TKX; 24 or 30 in. wide GKX, GKXH, GKX-A; 36 in. wide 99, AKX, WKX; 24, 26, or 36 in. wide NKX; 1.5NKC, NKC, AKX, 2 or 3 in. TKC; 12 in. wide noncomposite Sec. 12; 17 in. wide 21; 26 or 28 in. wide UKX; 87.5 cm wide. Side joints of QL, 99, 121, WKX, TKX, TKC, and Metric units - QL-77-900; QLC-78-900 may be welded together 60 in. OC. Side joints of 99, AKX, WKX, GKX, GKX-A, TKX and Metric units - QL-77-900 and QLC-78-900 may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC.

CANAM STEEL CORP — 24 in. wide, Types 1-1/2 , 2 or 3 in. LOK-Floor and LOK-Floor Cell; 36 in. wide, Types 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24 in. wide, Types N-LOK and N-LOK Cell; 24, 30 or 36 in. wide, Type 1-1/2 in. B-LOK and B-LOK Cell.

NEW MILLENNIUM BUILDING SYSTEMS L L C — 24 in. wide Types CFD-2, CFD-3; 24, 30 or 36 in. wide Type CFD-1.5; 24 or 36 in. wide Types Mac-Lok 2, Mac-Lok 3; 24 in. wide, Types B2C, B2FC, NC, NFC; 30 in. wide Type B3C; 12 in. wide Mac-Way cellular 45 MOW, 2-633 MTWA, 3-633 MTWA, 2-633MTWV, 3-633MTWV+, 24 in. wide Type Versa-Dek.

DECK WEST INC — 36 in. wide Type B-DW, Inverted B-DW, BA-DW, Inverted BA-DW, 2-DW or 3-DW. Side joints of 2-DW and 3-DW may be fastened together with min 1 in. long No. 12 x 14 self-drilling, self-tapping steel screw 36 in. OC.

DESIGN ASSISTANCE CONSTRUCTION SYSTEMS INC — 36 in. wide Type DACS1.5CD, or 24 in. wide Type DACS2.0CD, or DACS3.0CD.

EPIC METALS CORP — 24 in. wide Types EC150, ECP150, EC300, ECP300, EC366, ECP366, EC150, EC300 inverted, Epicore A; 30 in. wide Types EC8150, ECB8150; 36 in. wide Type EC266.

HAMBRO STRUCTURAL SYSTEMS, DIV OF CANAM STEEL CORP — 36 in. wide, 1-1/2 in. Type P36154B. The max superimposed loadings for Type P36154B units shall not exceed 250 PSF. For single spans, the use of the units shall be limited to 5 ft. 6 in., 6 ft. 0 in. and 6 ft 6 in. max spans for the 22, 20 and 18 gauge units, respectively. For multiple spans, 18 gauge units may be used on a max 7 ft. 6 in. spans with a max total superimposed loading of 240 PSF.

KAM INDUSTRIES LTD, DBA CORDECK — 24 in. wide, Types 2 or 3 in. WDR.

NEW MILLENNIUM BUILDING SYSTEMS L L C — Type 1.5CD, 1.5CDI, 1.5CDR, 2.0CD or 3.0CD. Units may be phos/painted or galvanized.

ROOF DECK INC — 36 in. wide Types LOK 1-1/2, LOK 1-1/2 R; 24 in. wide Types LOK-2, LOK-3.

VALLEY JOIST — 24 or 36 in. wide Types WVC 1-1/2 or WVC 2.

VERCO DECKING INC - A NUCOR CO — FORMLOK™ deck types PLB, B, BR, PLN3, N3, PLN, N, PLW2, W2, PLW3, W3. Units may be galvanized, phos/pbt., or mill finish. Units may be cellular or acoustical cellular, with the suffix "CD" or "CD-AC" added to the product name, respectively. All non-cellular deck may be vented or non-vented. 12 in. wide PLW2, W2, PLW3 or W3 units may be blended with 24 or in. wide PLW2, W2, PLW3 or W3 units, respectively; or Types N3, PLN3.

VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide, Type 1.5 VL, 1.5VLI, 1.5PLVLI, 1.5VLP, 1.5PLVLP; 24 or 36 in. wide, Types 2VLI, 2.0PLVLI, 3VLI, 3.0PLVLI, 2VLP, 2.0PLVLP, 3VLP, 3.0PLVLP. 36 in. wide Types 1.5 SB, 1.5 SBI; 24 or 36 in wide Types 2.0 SB, 3.0 SB, 36 in. wide Type High Strength 1.5 SBI, 36 in. wide Type High Strength 1.5 SBN.

Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, and 36 in. wide units, four welds per sheet for 30 in. wide units, 6 in. OC for 18 in. wide and Sec. 12 units. Unless noted otherwise, adjacent units button-punched or welded together 36 in. OC along side joints. Adjacent 18 in. wide units welded together 30 in. OC along side joints. For **3 Hr. Rating,** units with overlapping type side joints welded together 24 in. OC max.

+12 in. wide, 1-1/2 in. deep Mac-Way units may be blended with 24 in. wide B2C or 30 in. wide B3C units in a blend of one cell to one or more fluted units. 12 in. wide, 2 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock 2 units in a blend of one cell to one or more fluted units. 12 in. wide, 3 in. deep Mac-Way units may be blended with 36 in. wide Mac-Lock3 units in a blend of one cell to one or more fluted units. The side edge of the fluted unit is placed on the top of the side edge of the Mac-Way unit and the two are welded together with welding washers spaced a max. of 32 in. OC for Mac-Lock 2 or 3 units and a max. of 24 in. OC for the B2C or B3C units.

The Unrestrained Assembly Rating is 1-1/2 hr. for the following units and limitations:

(a) 1-1/2 in. deep, 24 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft 8 in.

(b) 1-1/2 in. deep, 24 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft 8 in.

(c) 1-1/2 in. deep, 24 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft 11 in.

(d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft 2 in.

4. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below, in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf respectively for the Type Perlifoc LD, 15, and 15 High Yield 22/18 pcf, respectively for the Type 22, 40/37 respectively for the Type 40 and 40T, 28/25 respectively for the Type 239, 44.5/42 respectively for the Type 240-High Yield or Type 241HY and 55/50 respectively for the Type 241 or Type 241 HD. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns On Beam In.
1	1	1	1/2
1-1/2	1-1/2	1-1/2	13/16
2	1	1	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	13/16
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	9/16
1-1/2	1-1/2	1-1/2	7/8
2	1	1	9/16
2	2	2	1-3/16
3	1-1/2	1-1/2	7/8
3	3	3	1-3/4

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table and the beams are supporting all fluted floor or form units:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	7/16+
1-1/2	1-1/2	1-1/2	3/4
2	1	1	7/16+
2	2	2	1
3	1-1/2	1-1/2	3/4
3	3	3	1-9/16

+Thickness applied to beams' lower flange edge to be 1/4 in. min.

The thickness of material required on the steel joist for the various Ratings are shown in the following table:

Restrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Type of Concrete Slab	Spray Applied Fire Resistive Mtl Thkns In. Joist & Bridging
1	1	NW or LW	1-1/8
1-1/2	1-1/2	NW or LW	1-3/4
2	1	NW or LW	2-1/4
2	2	NW or LW	2-1/4
3	3	NW or LW	2-7/8

CARBOLINE CO — Types 15, 15-High Yield , 22, 40, 239, 240-High Yield, 241, 241 HD, 241HY.

PERLITA Y VERMICULITA SLU — Types 15, 22, Perlifoc LD, 40, 40T, 239, 241, 241 HD, 241HY.

STONCOR MIDDLE EAST L L C — Types 15, 15-High Yield , 22, 40, 239, 240-High Yield, 241, 241 HD.

CARBOLINE (INDIA) PVT LTD — Types 15, 15-High Yield , 22, 40, 239, 240-High Yield, 241, 241 HD.

5. **Shear-Connector Studs — Optional —** Studs 3/4 in. diam by 3 in. long, for 1-1/2 in. deep form units to 5-1/4 in. long for 3 in. deep form units, headed type or equivalent per AISC specifications. Welded to the top flange of the beam through the steel form units.

6. **Electrical Inserts —** (Not shown) Classified as **"Outlet Boxes and Fittings Classified for Fire Resistance."**

(1) **KAM INDUSTRIES LTD, DBA CORDECK** — Preset Inserts.

For use with 2-1/2 in. lightweight concrete topping over QL-WKX steel floor units. Installed over factory-punched holes in floor units per accompanying installation instructions.

Spacing shall not be more than one insert in each 14 sq ft. of floor area with spacing along floor units not less than 48 in. OC. The holes cut in insert cover for passage of wires shall be no more than 1/8 in. larger diam. than wire. Restrained Assembly Rating is 3/4 hr with Tapmate II-FS-1 and 1 hr with Tapmate II-FS-2 Inserts.

KAM INDUSTRIES LTD, DBA CORDECK — Tapmate II-FS-1, II-FS-2; Series KEB.

(2)**Wiremold Co.** — After set Inserts.

Single-service after set inserts installed per accompanying installation instructions in 2-1/2 in. diam hole core-drilled through min 3-1/4 in. thick concrete topping to top of cell of any min 3 in. deep cellular steel floor unit specified under Item 3. Spacing shall be no more than one insert in each 10 sq ft of floor area in each span with a min center to center spacing of 16 in. If the high potential and low potential raceways of the cellular steel floor unit are separated by a valley filled with concrete, the center to center spacing of the high potential and low potential single-service after set inserts may be reduced to a min of 7-1/2 in. Restrained Assembly Rating is 2 hr or less with internally protected type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

WIREMOLD CO — Internally protected Type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

7. **Mineral and Fiber Boards* —** (Optional, not shown). Applied over concrete floor with no restriction on board thickness. When mineral and fiber boards are used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.

See Mineral and Fiber Board (CERZ) category for names of manufacturers.

8. **Roof Covering Materials* —** (Optional, not shown)Consisting of materials compatible with insulations described herein which provide Class A, B or C coverings. See Built-Up Roof Covering Materials in Building Materials Directory.

9. **Insulating Concrete —** (not shown) Optional. Various types of insulating concrete prepared and applied in the thickness indicated:

A. **Vermiculite Concrete —** (not shown) Optional.

1. Blend 6 to 8 cu ft of Vermiculite Aggregate* to 94 lb. Portland Cement and air entraining agent. Min thickness of 2 in. as measured to the top surface of the structural concrete or foamed plastic (Item 10) when it is used.

ELASTIZELL CORP OF AMERICA

SIPLAST INC

VERMICULITE PRODUCTS INC

2. Blend 3.5 cu ft of Type NVC Concrete Aggregate* or Type NVS Vermiculite Aggregate* to 94 lb Portland Cement. Slurry coat, 1/8 in. thickness beneath foamed plastic (Item 10) when used, 1 in. min topping thickness.

SIPLAST INC

VERMICULITE PRODUCTS INC

Vermiculite concrete may be covered with Roof Covering Materials (Item 8).

B. **Cellular Concrete — Roof Topping Mixture* —** concentrate mixed with water and Portland cement per manufacturers specifications. Min. thickness of 2-in. as measured to the top surface of the structural concrete or foamed plastic (Item 10A) when it is used. Cast dry density and 28— day min. compressive strength of 190 psi as determined with ASTM C495— 66.

CELCORE INC — Type Celcore with cast dry density of 31 (+ or - 3.0) pcf or Type Celcore MF with cast dry density of 29 (+ or - 3.0) pcf.

ELASTIZELL CORP OF AMERICA — Type II. Mix #1 of cast dry density 39 (+ or -) 3.0 pcf, Mix #2 of cast dry density 40 (+ or -) 3.0 pcf, Mix #3 of cast dry density 47 (+ or -) 3.0 pcf.

C. **Cellular Concrete-Roof Topping Mixture* —** Concentrate mixed with water and Portland cement per manufacturers specifications. 28-day min. compressive strength of 190 psi as determined with ASTM C495-66.

SIPLAST INC — Mix No. 1 or 2. Cast dry density of 32+3 (Mix No. 1) or 36+3 (Mix No. 2) pcf.

D. **Perlite Concrete —** 6 cu ft. of Perlite Aggregate* to 94 lb of Portland Cement and 1-1/2 pt air entraining agent. Min. thickness 2 in. as measured to the top surface of structural concrete or foamed plastic (Item 10A) when it is used.

See Perlite Aggregate (CPFX) in Fire Resistance Directory for names of manufacturers.

E. **Cellular Concrete — Roof Topping Mixture* —** Foam Concentrate mixed with water, Portland Cement and UL Classified Concentrate Aggregate per manufacturer's application instructions. Cast dry density of 33 (+ or -) 3.0 pcf and 28-day compressive strength of min 250 psi as determined in accordance with ASTM C495-86.

SIPLAST INC — Mix No. 3.

F. **Floor Topping Mixture* —** (Optional, not shown) — Approx 4.5 gal of water to 41 lbs of NVS Premix floor topping mixture. Slurry coat 1/8 in. thickness beneath foamed plastic (Item 11) when used, 1 in. min topping thickness.

SIPLAST INC — Floor Topping Mixture may be covered with Built-Up or Single Membrane Roof Covering.

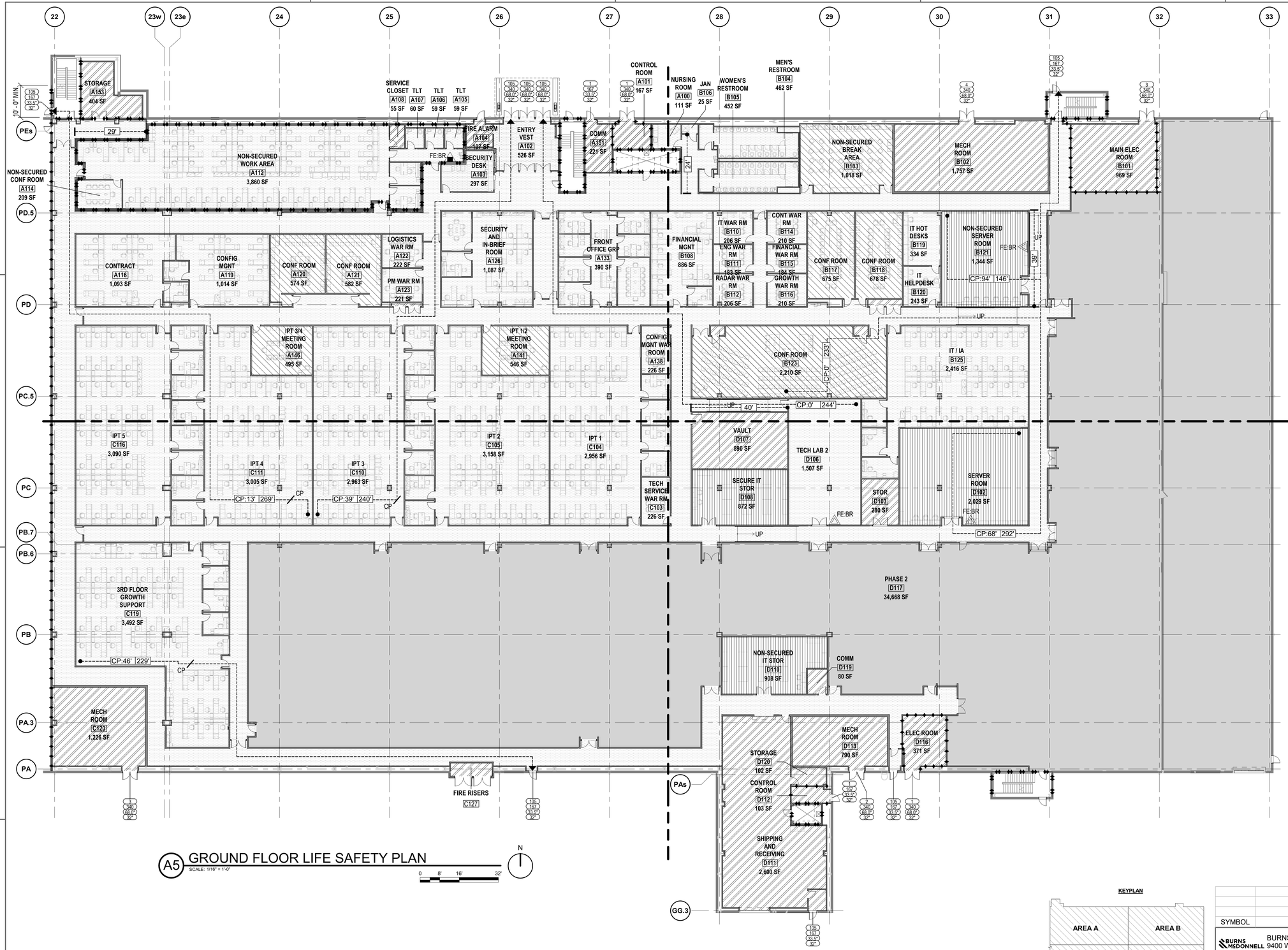
10. **Foamed Plastic* —** (optional — Not Shown) For use only with vermiculite (Item 9A) or cellular (Item 9C) concretes or Floor Topping Mixture (Item 9F) — Rigid polystyrene foamed plastic insulation having slots and/or holes sandwiched between vermiculite concrete slurry which is applied to the normal or lightweight concrete surface and vermiculite concrete topping (Item 9A).

SIPLAST INC

VERMICULITE PRODUCTS INC

10A. **Foamed Plastic* —** For use only with cellular concrete. Nominal 24 by 48 in. polystyrene foamed plastic insulation boards having a density of 1.0 + 0.1 pcf encapsulated within cellular concrete topping (Item 9B). Each insulation board shall contain six nominal 3 in. diameter holes oriented in two rows of three holes each with the holes spaced 12 in. OC., transversely and 16 in. OC longitudinally.

See Foamed Pl



A5 GROUND FLOOR LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"

0 8' 16' 32'

N

GENERAL NOTES

1. REFER TO ARCHITECTURAL LEGEND FOR ADDITIONAL INFORMATION REGARDING SYMBOLS AND ABBREVIATIONS.
2. REFER TO F-001 FOR LIFE SAFETY NARRATIVE AND BUILDING CODE ANALYSIS.
3. REFER TO THE ELECTRICAL LIGHTING PLANS FOR LOCATION OF EXIT SIGNS AND EMERGENCY LIGHTING.
4. REFER TO THE FIRE SUPPRESSION AND ALARM PLANS FOR LOCATION OF FIRE PROTECTION DEVICES.
5. FINAL LOCATIONS OF FIRE EXTINGUISHERS SHALL BE APPROVED BY THE AHJ PRIOR TO INSTALLATION.
6. ALL COLUMNS AND BEAMS IN THE PHASE 1 AREA, EXISTING AND NEW, ARE TO RECEIVE FIREPROOFING TO PROVIDE A 2-HOUR RATING UNLESS NOTED OTHERWISE. REFER TO PLANS FOR TYPES OF FIREPROOFING.

EGRESS PATH

CP:666|100' — CP — EGRESS PATH — EXIT DOOR

TRAVEL DISTANCE
COMMON PATH OF TRAVEL
COMMON PATH TERMINATION POINT

DEAD END CORRIDOR

100' — TERMINATION OF DEAD END CORRIDOR

DEAD END DISTANCE

DOOR EGRESS TAG / STAIR EGRESS TAG

222	OCCUPANTS SERVED	44
22	EXIT CAPACITY	44
36"	CLEAR WIDTH	44"
22"	REQUIRED WIDTH	44"

FIRE AND SMOKE RESISTIVE CONSTRUCTION

1 HR FIRE BARRIER
2 HR FIRE BARRIER

PORTABLE FIRE EXTINGUISHERS AND HOSE REELS

FE:SR — EXTINGUISHER TYPE / EXTINGUISHER MOUNTING

-FE: FIRE EXTINGUISHER
-BR: BRACKET MOUNTED

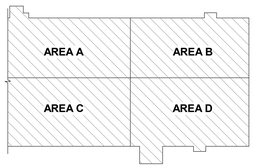
A:B:C: TYPE DRY CHEMICAL 4A-20B-C

CLEAN AGENT 2a:10B:C

OCCUPANT LOAD TYPES

BUSINESS AREAS	1 PERSON / 150 SF GROSS
ASSEMBLY (LESS CONCENTRATED)	1 PERSON / 15 SF NET
STORAGE / MECHANICAL / ELECTRICAL	1 PERSON / 500 SF GROSS
IT EQUIPMENT / TELECOMMUNICATIONS	1 PERSON / 300 GROSS
PHASE 2 (UNOCCUPIED AREA)	

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

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DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
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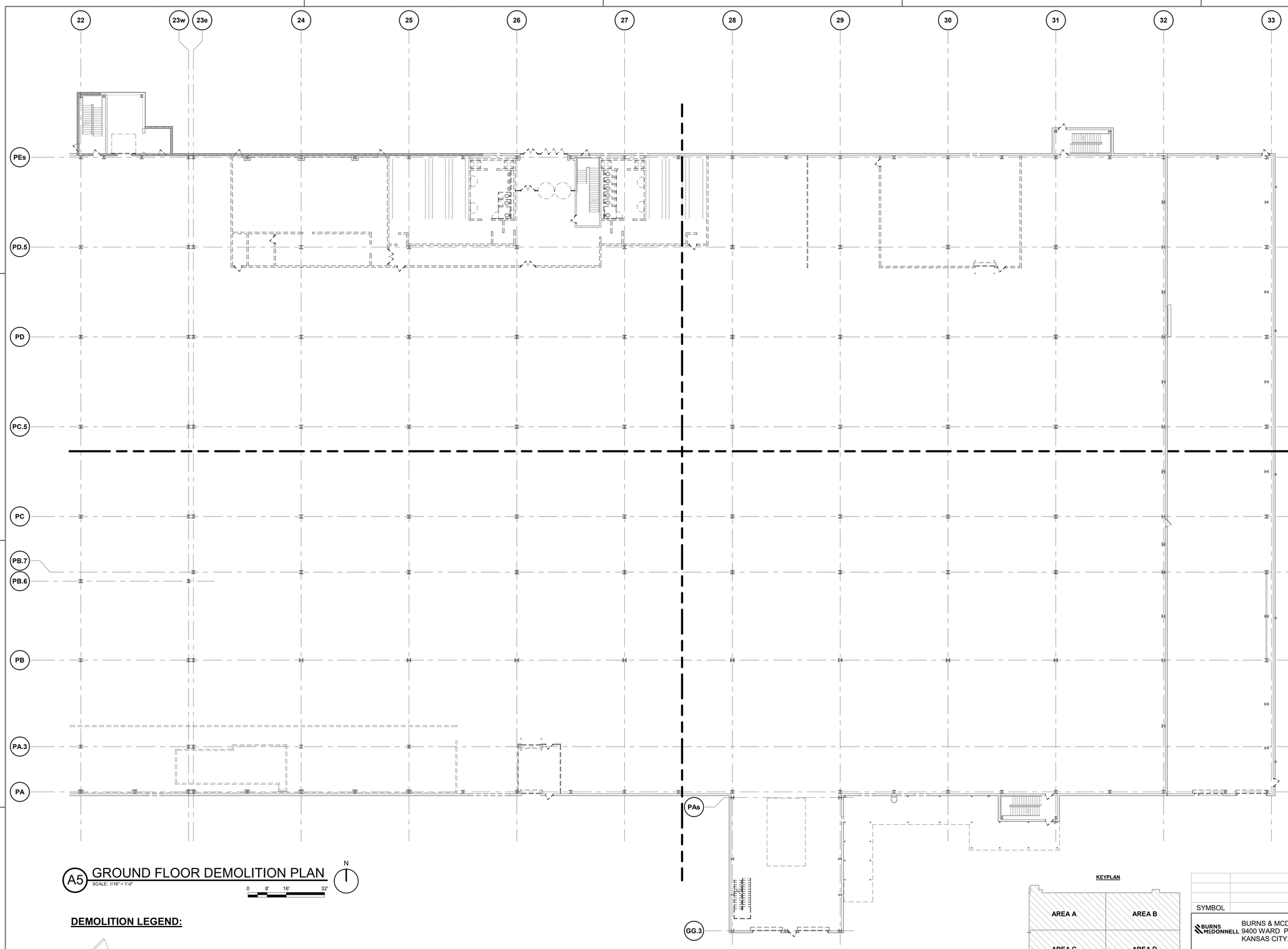
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR LIFE SAFETY PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444F-010.DWG
SHEET IDENTIFICATION: F-010
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A5 GROUND FLOOR DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

N

0 8' 16' 32'

DEMOLITION LEGEND:

EXISTING DOOR TO REMAIN

DOOR TO BE REMOVED

EXISTING WALL TO REMAIN

WALL TO BE REMOVED

KEYPLAN

AREA A	AREA B
AREA C	AREA D

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
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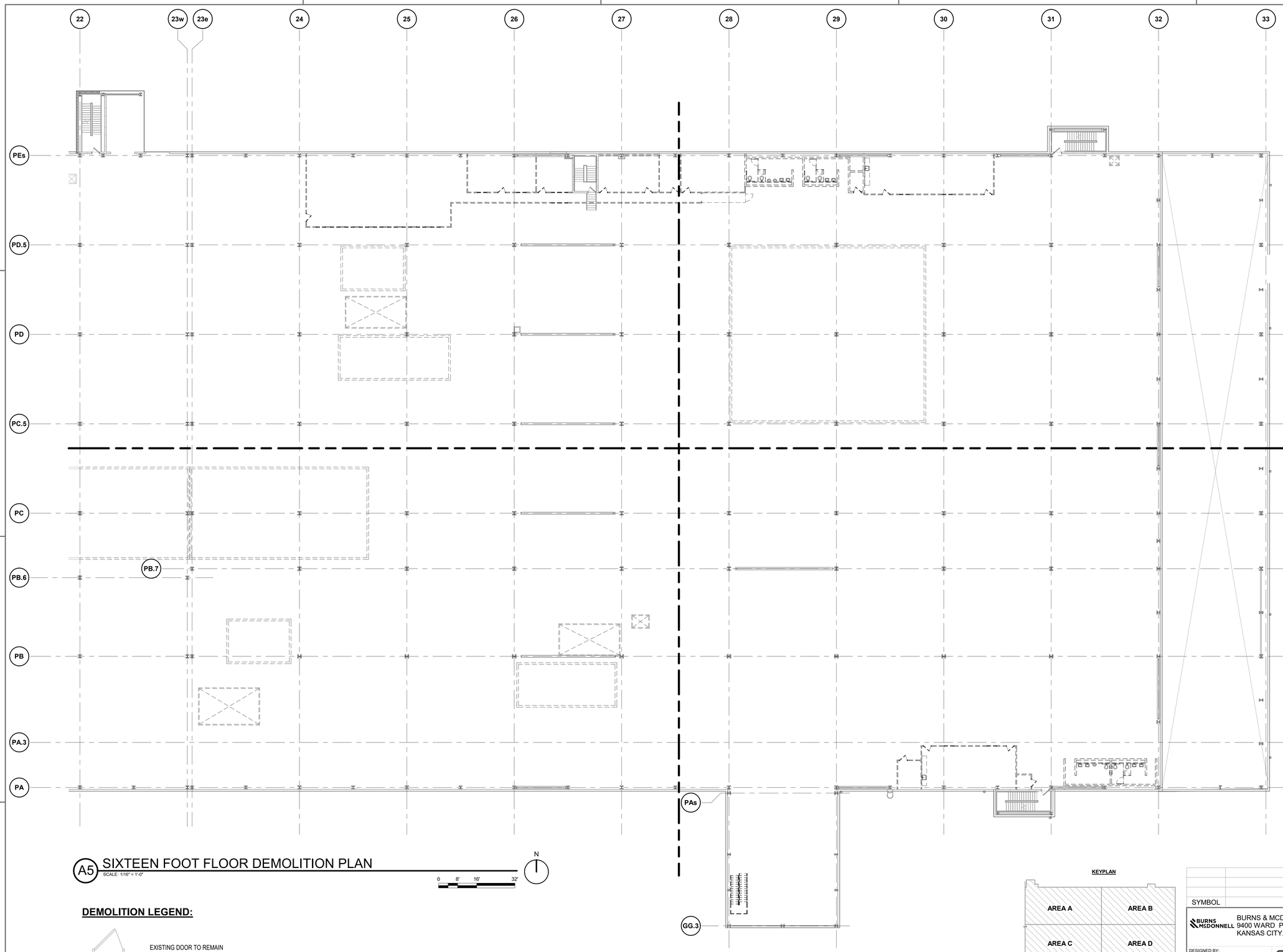
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

OVERALL GROUND FLOOR DEMOLITION PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444AD010.DWG
SHEET IDENTIFICATION: AD010
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A5 SIXTEEN FOOT FLOOR DEMOLITION PLAN

SCALE: 1/16" = 1'-0"

0 8' 16' 32'

N

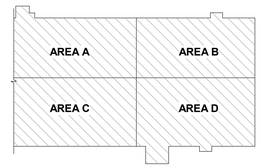
DEMOLITION LEGEND:

- EXISTING DOOR TO REMAIN
- DOOR TO BE REMOVED
- EXISTING WALL TO REMAIN
- WALL TO BE REMOVED

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KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
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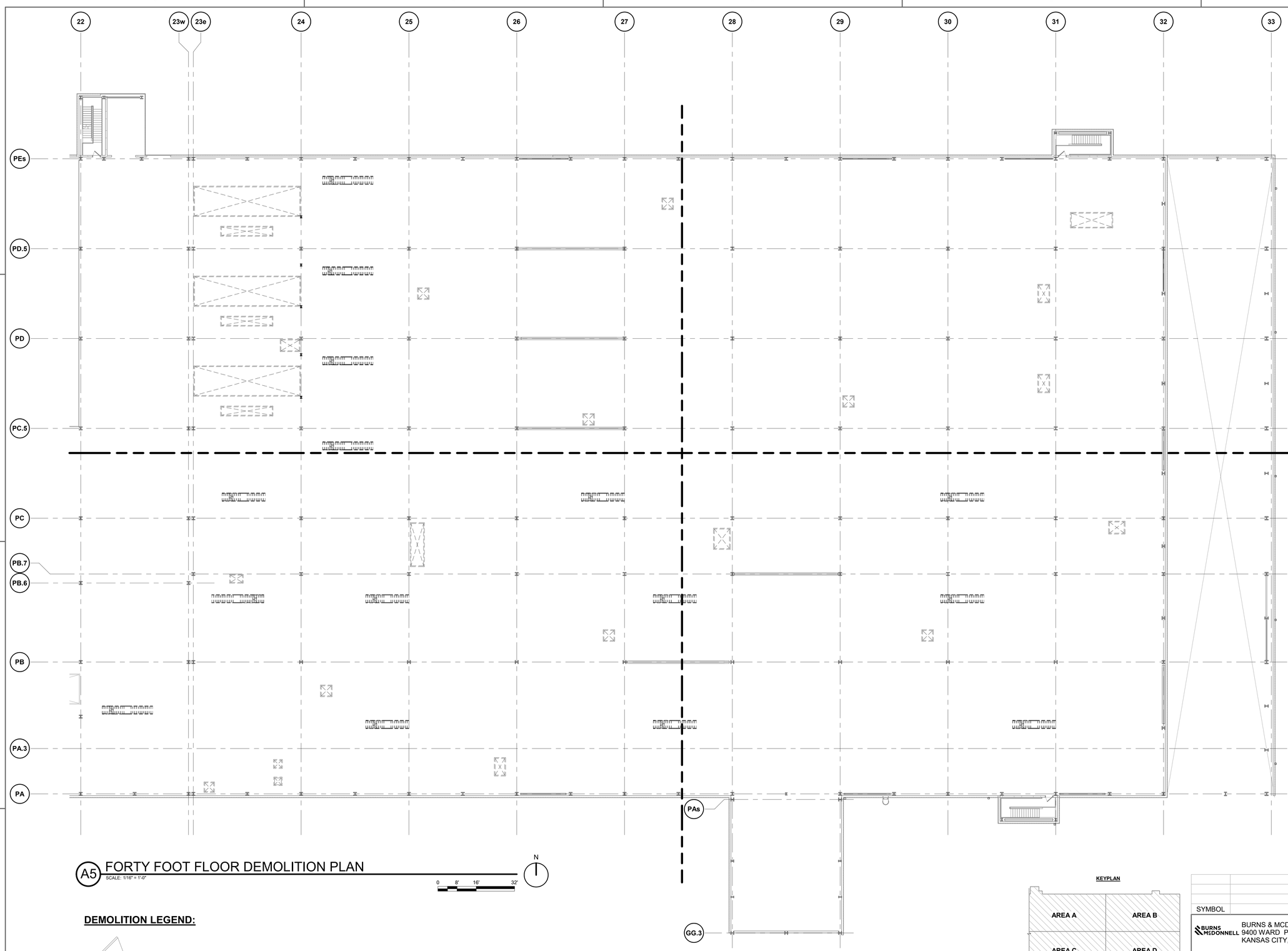
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

OVERALL SIXTEEN FOOT FLOOR DEMOLITION PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 01/17/18
FILE NUMBER: 104444AD011.DWG
SHEET IDENTIFICATION: AD011
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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A5 FORTY FOOT FLOOR DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

N

0 8' 16' 32'

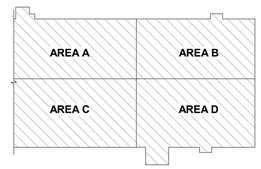
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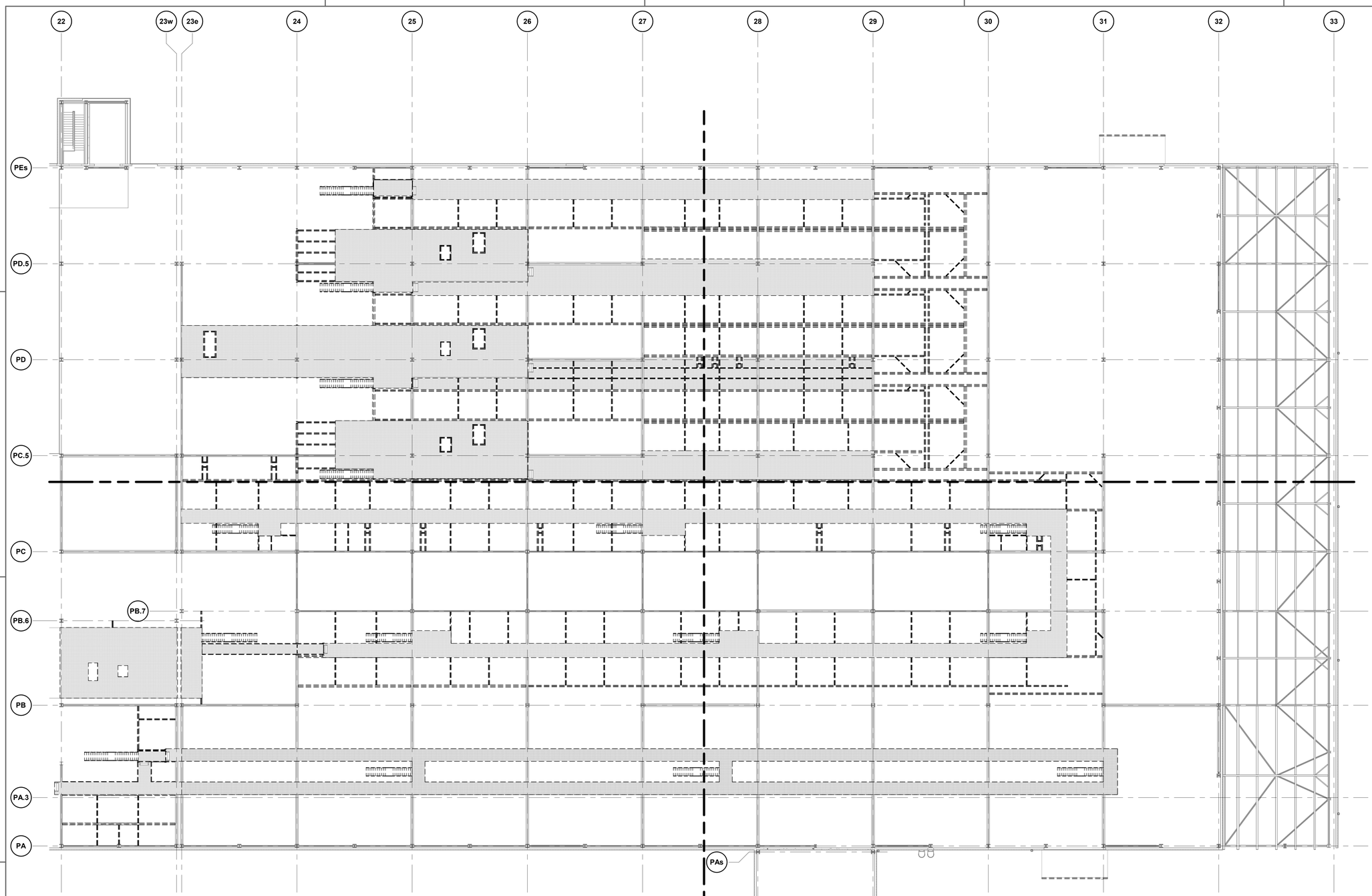
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OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

OVERALL FORTY FOOT FLOOR DEMOLITION PLAN

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	01/17/18
FILE NUMBER:	104444AD012.DWG
SHEET IDENTIFICATION	AD012
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
Sheet	of

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A5 GRILLAGE FLOOR DEMOLITION PLAN

SCALE: 1/16" = 1'-0"

N

0 8' 16' 32'

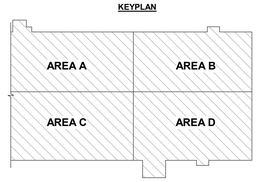
DEMOLITION LEGEND:

- EXISTING DOOR TO REMAIN
- DOOR TO BE REMOVED
- EXISTING WALL TO REMAIN
- WALL TO BE REMOVED

GENERAL DEMOLITION NOTES:

1. EXISTING CONDITIONS SHOWN ON DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT SHOW ALL CONDITIONS THAT MAY AFFECT THE WORK OF THIS CONTRACT. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS. REFER TO ALL ARCHITECTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION AND COORDINATION.
2. FIELD VERIFY EXISTING CONDITIONS BEFORE COMMENCING ANY WORK. ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES DETRIMENTAL TO THE PROPER EXECUTION OF NEW CONSTRUCTION.
3. ALL DEMOLITION WORK SHALL COMPLY WITH APPLICABLE BUILDING CODE AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS, ORDINANCES, AND REGULATIONS. SEE CODE SUMMARY SHEET FOR APPLICABLE BUILDING CODE.
4. REMOVE EXISTING CONSTRUCTION TO THE EXTENT INDICATED ON THE DRAWINGS. PROTECT ALL OTHER EXISTING STRUCTURES ON ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION. SHOULD ANY DAMAGE OCCUR TO ANY EXISTING CONSTRUCTION ON ADJACENT PROPERTIES OR EXISTING CONSTRUCTION TO REMAIN ON SITE, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO THE SATISFACTION OF THE CONTRACTING OFFICER.
5. CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION NOTED TO REMAIN FROM DAMAGE AND SOILING DURING DEMOLITION. REMOVE DEBRIS REGULARLY AS NECESSARY TO ELIMINATE INTERFERENCE.
6. ALL DEBRIS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF. DISPOSAL OF DEBRIS SHOULD COMPLY WITH THE BUILDING RULES AND ALL CITY ORDINANCES AND REGULATIONS.
7. EXISTING WALLS SHOWN GRAPHICALLY WITH SOLID LINES TO REMAIN. PROTECT ALL EXISTING CONSTRUCTION TO REMAIN AND PREPARE SURFACES TO RECEIVE NEW CONSTRUCTION OR FINISHES.
8. PROTECT ALL ADJACENT AREAS FROM THE DEMOLITION. REPAIR OR REPLACE, AT NO COST TO THE OWNER, ALL AREAS OR ITEMS DAMAGED DURING THE DEMOLITION.
9. IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY SUPERINTENDENT AND OWNER. OWNER WILL REMOVE HAZARDOUS MATERIALS UNDER A SEPARATE CONTRACT.
10. THIS DEMOLITION PLAN OUTLINES THE SCOPE OF THE WORK INVOLVED FOR THE DEMOLITION PHASE OF THIS PROJECT. CONTRACTOR SHALL ALSO REFER TO THE DRAWINGS FOR THE CONSTRUCTION OF THE NEW ADDITION FOR ADDITIONAL INFORMATION.
11. ALL DEMOLITION WORK SHALL BE COORDINATED WITH THE OTHER WORK OF THIS PROJECT AS OUTLINED IN THE DOCUMENTS. ANY DISCREPANCIES NOTED WHICH WILL IMPACT THE SCHEDULE FOR CONSTRUCTION OR HAVE AN EFFECT ON THE CONTINUED OPERATION OF BUSINESS AT THIS FACILITY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT FOR RESOLUTION.
12. DO NOT INTERRUPT EXISTING UTILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO GOVERNING AUTHORITIES.
13. WHEN UTILITY SERVICES ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, PROVIDE BYPASS CONNECTIONS TO MAINTAIN CONTINUITY OF SERVICE BEFORE PROCEEDING WITH DEMOLITION.
14. PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDING AREAS TO REMAIN.
15. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE ADJOINING CONSTRUCTION TO REMAIN.
16. PRIOR TO DEMOLITION, MAKE SURE PLUMBING IS CUT AND CAPPED AT ALL SINK LOCATIONS. REFERENCE MECHANICAL DRAWINGS FOR PLUMBING AND PIPES.
17. CONTRACTOR SHALL SUBMIT A SCHEDULE INDICATING PROPOSED SEQUENCE OF OPERATIONS FOR SELECTIVE DEMOLITION WORK TO OWNER FOR REVIEW PRIOR TO START OF WORK. INCLUDE COORDINATION FOR SHUTOFF, CAPPING AND CONTINUATION OF UTILITY SERVICES AS REQUIRED, TOGETHER WITH DETAILS FOR DUST AND NOISE CONTROL PROTECTION.
18. VERIFY THAT SUBSTRATES ARE ADEQUATELY PREPARED TO RECEIVE NEW FINISHES. INSTALLATION OF NEW FINISHES AND CONSTRUCTION SHALL INDICATE INSTALLER'S ACCEPTANCE OF SUBSTRATE TO ASSURE STANDARD MATERIAL AND INSTALLATION WARRANTIES.
19. OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL DEMOLISHED OR REMOVED MATERIALS. THE CONTRACTOR SHALL VERIFY, BEFORE COMMENCING DEMOLITION WORK, WHAT, IF ANY, ITEMS ARE TO BE RETAINED BY THE OWNER AND RELOCATE SUCH ITEMS, AS THEY BECOME AVAILABLE, TO A STORAGE AREA ON SITE INDICATED BY THE OWNER.
20. UPON COMPLETION OF WORK, CONTRACTOR SHALL LEAVE AREA OF WORK IN CLEAN CONDITION.
21. CONTRACTOR SHALL COMPLY WITH ALL NECESSARY FIRE SAFETY REQUIREMENTS IN ACCORDANCE WITH LATEST VERSION OF UFC, NFPA 13, AND CURRENTLY ADOPTED CITY AND STATE CODES.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

OVERALL GRILLAGE FLOOR DEMOLITION PLAN

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	08/29/18
FILE NUMBER:	104444AD013.DWG
SHEET IDENTIFICATION	AD013
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
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GENERAL ROOF DEMOLITION NOTES:

1. ALL EXISTING ROOFTOP EQUIPMENT, VENTS, STACKS, ASSEMBLIES, AND MATERIALS WHICH ARE NOT NEEDED FOR NEW CONSTRUCTION SHALL BE REMOVED. ALL EXISTING ROOF PENETRATIONS MUST BE INFILLED, SEALED, AND PREPARED FOR NEW ROOFING. RE: STRUCT.
2. UNTIL THE NEW ROOF IS INSTALLED, THE EXISTING ROOF DECK MUST REMAIN PROTECTED DURING AND AFTER DEMOLITION SO AS TO REMAIN REASONABLY WATER TIGHT. PREVENT FURTHER DAMAGE TO ROOF DECK AND WATER LEAKING ONTO FLOORS BELOW.
3. ROOF FALL ARREST SYSTEM TO REMAIN.

ROOF DEMOLITION KEYNOTES:

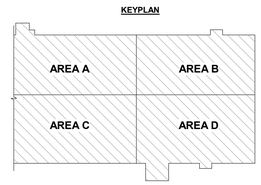
1. REMOVE EXISTING ROOF MEMBRANE, INSULATION, AND COVER BOARD BACK TO ROOF DECK. OWNER WILL INSPECT CONDITION OF ROOF DECK AND DIRECT CONTRACTOR TO REPAIR OR REPLACE DAMAGED SECTIONS OF ROOF DECK. SEE STRUCT.
2. REMOVE GUTTER AND DOWNSPOUTS.
3. EXISTING EXPANSION JOINT COVER AND FLASHING TO BE REMOVED. COVER JOINT DURING THE COURSE OF CONSTRUCTION UNTIL NEW EXPANSION JOINT IS INSTALLED.
4. LINE INDICATES EXTENT OF ROOFING DEMOLITION. PROVIDE CLEAN CUT TO ALLOW FOR SPLICING OF NEW ROOF TO EXISTING ROOF.

A5 ROOF DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

0 8' 16' 32'

N

KEYPLAN



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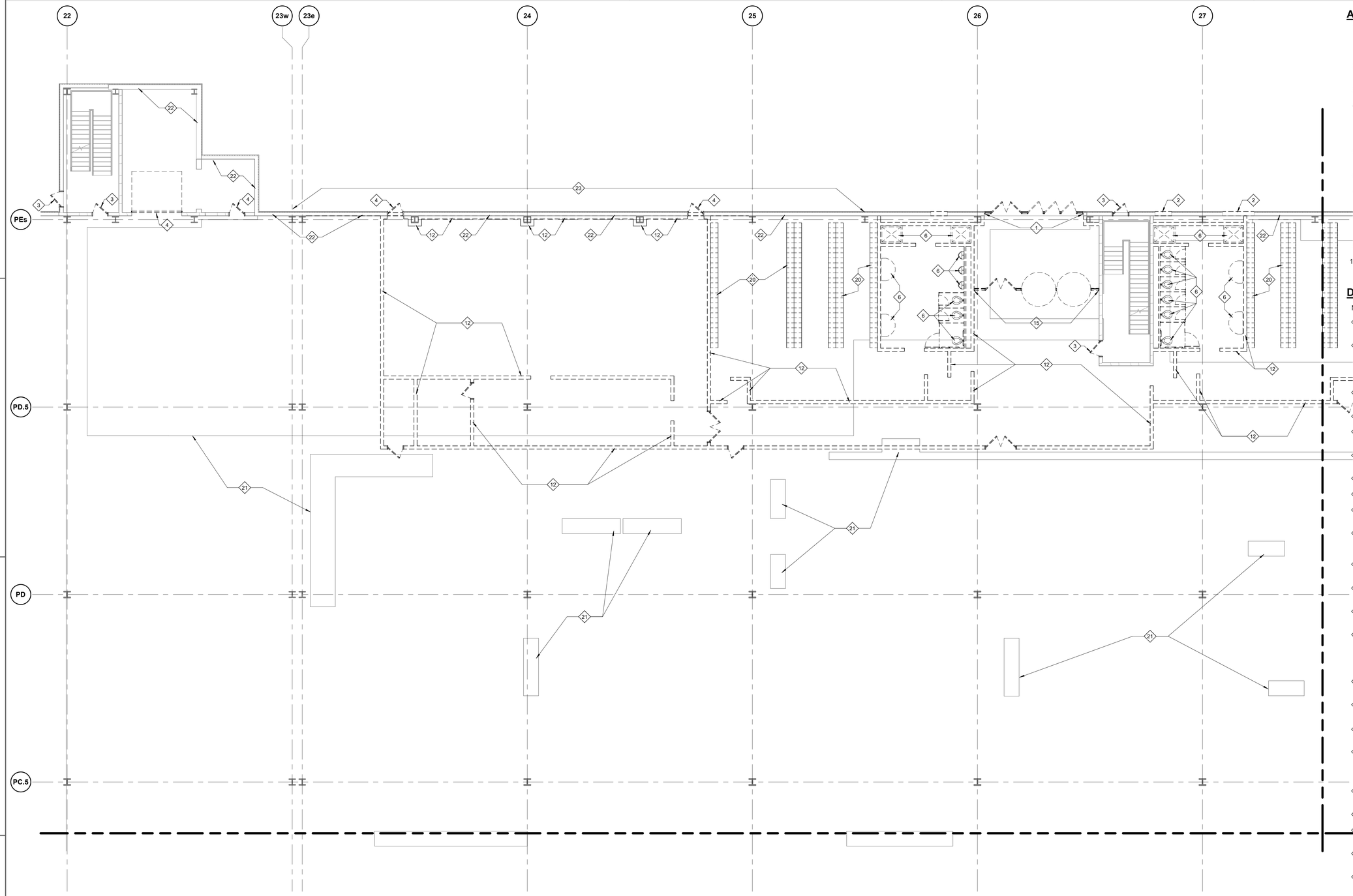
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

OVERALL ROOF DEMOLITION PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/23/18
FILE NUMBER: 104444AD014.DWG
SHEET IDENTIFICATION: AD014
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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AREA PLAN DEMOLITION NOTES:

1. ALL MATERIALS, ASSEMBLIES, AND EQUIPMENT WHICH ARE NOT PART OF THE BUILDING'S STRUCTURAL SYSTEM OR ENVELOPE, AND ARE NOT REQUIRED FOR CONSTRUCTION OF NEW WORK, SHALL BE DEMOLISHED AND REMOVED.
2. REMOVE WALLS AND BULKHEADS AS INDICATED IN DEMOLITION DRAWINGS TO DECK ABOVE, U.N.O.
3. REFER TO SHEET AG003 FOR PHASING DIAGRAM.
4. REMOVE ALL CONCRETE CURBS, PROJECTING HARDWARE, ADHESIVES, AND DEBRIS FROM EXISTING FLOOR SLABS. PATCH, INFILL, MAKE LEVEL, AND GRIND AS NEEDED TO MAKE SLABS CONTINUOUS, EVEN, SMOOTH, AND SUITABLE FOR NEW FLOORING MATERIAL.
5. SAW CUT FLOORS AS REQUIRED TO INSTALL PLUMBING SYSTEMS. RE: STRUCT / MECH / PLUMBING DRAWINGS FOR LOCATION.
6. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
7. REMOVE ALL EXISTING GUARDRAILS AROUND SLAB OPENINGS THAT ARE TO BE INFILLED.
8. SEE MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DEMOLITION PLANS FOR REMOVAL OF EXISTING DUCTS, PIPES, CONDUITS, AND SPRINKER SYSTEM.
9. REMOVE ALL EXISTING LAY-IN CEILING TILE AND GRID.
10. DO NOT DESTROY ANY EXISTING VAPOR BARRIERS BELOW STRUCTURAL SLAB.

DEMOLITION PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

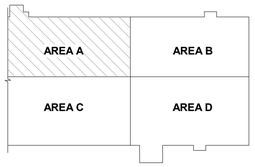
1. REMOVE STOREFRONT SYSTEM. PREPARE OPENING FOR INSTALLATION OF NEW STOREFRONT.
2. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR INSTALLATION OF NEW DOOR. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORTING STEEL FOR NEW OPENINGS. REFER TO NEW CONSTRUCTION FOR DIMENSION.
3. REMOVE EXISTING DOOR AND FRAME AND THRESHOLD. PREPARE OPENING FOR NEW DOOR AND FRAME.
4. REMOVE EXISTING DOOR. PREPARE TO INFILL OPENING PER PLANS.
5. REMOVE EXISTING CONCRETE CURB. PREPARE SLAB TO RECEIVE NEW FLOOR FINISHES.
6. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. CAP LINES BELOW SLAB. PREPARE SURFACES FOR NEW FINISHES.
7. REMOVE EXISTING BOLLARD. PATCH AND REPAIR SLAB.
8. REMOVE EXISTING STAIR.
9. INFILL PIT WITH GRAVEL, COMPACT AND COVER WITH CONCRETE SLAB FLUSH WITH ADJACENT SLAB. RE: STRUCTURAL.
10. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. REMOVE LINES BACK TO GROUND FLOOR SLAB AND CAP. PREPARE SURFACES FOR NEW FINISHES.
11. EXISTING OPENING IN SLAB. REFER TO STRUCTURAL DWGS FOR INFILL.
12. REMOVE EXISTING WALLS ALONG WITH ANY DOORS AND FRAMES WITHIN THE WALL.
13. REMOVE EXISTING COVERED WALKWAY AND POSTS. PATCH AND REPAIR METAL WALL PANELS AS NEEDED.
14. REMOVE ALL FLOOR GRATING, OVENS AND ASSOCIATED EQUIPMENT. REMOVE ALL OTHER MISCELLANEOUS EQUIPMENT AND REFUSE FROM PREVIOUS TENANT UNLESS NOTED TO REMAIN. REFER TO STRUCTURAL DRAWINGS FOR DEMOLITION OF STRUCTURAL ELEMENTS.
15. REMOVE EXISTING ENTRY DOORS AND TURNSTILES. PATCH AND REPAIR FLOOR AS NECESSARY.
16. REMOVE EXISTING OVERHEAD DOOR. PREPARE OPENING TO RECEIVE NEW DOOR PER PLANS AND DOOR SCHEDULE.
17. REMOVE EXISTING STEEL GRATING CATWALK. SEE STRUCTURAL FOR EXTENT OF NEW SLAB.
18. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR NEW EXTERIOR BUILDING ADDITION PER FLOOR PLANS. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORT STEEL FOR NEW OPENINGS.
19. REMOVE PORTION OF EXISTING SLAB. RE: SHEET A-411 AND STRUCTURAL DRAWINGS.
20. REMOVE EXISTING LOCKERS.
21. OUTLINE OF SLAB DEMOLITION. RE: STRUCTURAL DRAWINGS FOR MORE INFORMATION.
22. REMOVE EXISTING INSULATION. CLEAN AND PREP WALL FOR NEW INSULATION.
23. REMOVE EXTERIOR WAL ON GROUND FLOOR AS REQUIRED FOR CONSTRUCTION OF NEW STORM SHELTER.

A5 GROUND FLOOR DEMOLITION PLAN AREA - A
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
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9400 WARD PARKWAY
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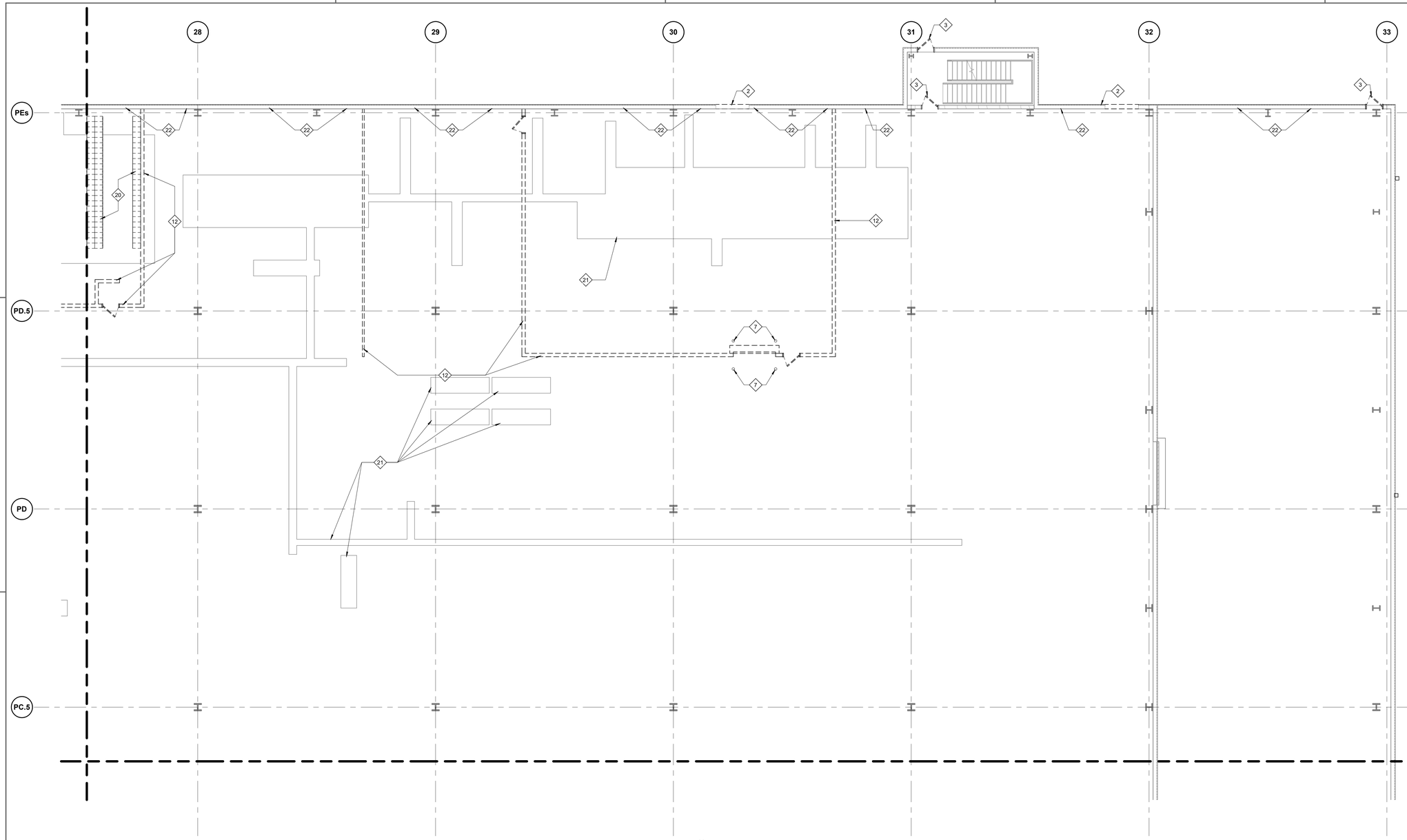
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GROUND FLOOR DEMOLITION PLAN
AREA - A

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
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SHEET IDENTIFICATION	AD101
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B5 GROUND FLOOR DEMOLITION PLAN AREA - B
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

AREA PLAN DEMOLITION NOTES:

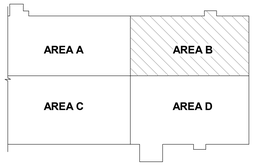
1. ALL MATERIALS, ASSEMBLIES, AND EQUIPMENT WHICH ARE NOT PART OF THE BUILDING'S STRUCTURAL SYSTEM OR ENVELOPE, AND ARE NOT REQUIRED FOR CONSTRUCTION OF NEW WORK, SHALL BE DEMOLISHED AND REMOVED.
2. REMOVE WALLS AND BULKHEADS AS INDICATED IN DEMOLITION DRAWINGS TO DECK ABOVE, U.N.O.
3. REFER TO SHEET AG003 FOR PHASING DIAGRAM.
4. REMOVE ALL CONCRETE CURBS, PROJECTING HARDWARE, ADHESIVES, AND DEBRIS FROM EXISTING FLOOR SLABS. PATCH, INFILL, MAKE LEVEL, AND GRIND AS NEEDED TO MAKE SLABS CONTINUOUS, EVEN, SMOOTH, AND SUITABLE FOR NEW FLOORING MATERIAL.
5. SAW CUT FLOORS AS REQUIRED TO INSTALL PLUMBING SYSTEMS. RE: STRUCT / MECH / PLUMBING DRAWINGS FOR LOCATION.
6. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
7. REMOVE ALL EXISTING GUARDRAILS AROUND SLAB OPENINGS THAT ARE TO BE INFILLED.
8. SEE MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DEMOLITION PLANS FOR REMOVAL OF EXISTING DUCTS, PIPES, CONDUITS, AND SPRINKER SYSTEM.
9. REMOVE ALL EXISTING LAY-IN CEILING TILE AND GRID.
10. DO NOT DESTROY ANY EXISTING VAPOR BARRIERS BELOW STRUCTURAL SLAB.

DEMOLITION PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

1. REMOVE STOREFRONT SYSTEM. PREPARE OPENING FOR INSTALLATION OF NEW STOREFRONT.
2. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR INSTALLATION OF NEW DOOR. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORTING STEEL FOR NEW OPENINGS. REFER TO NEW CONSTRUCTION FOR DIMENSION.
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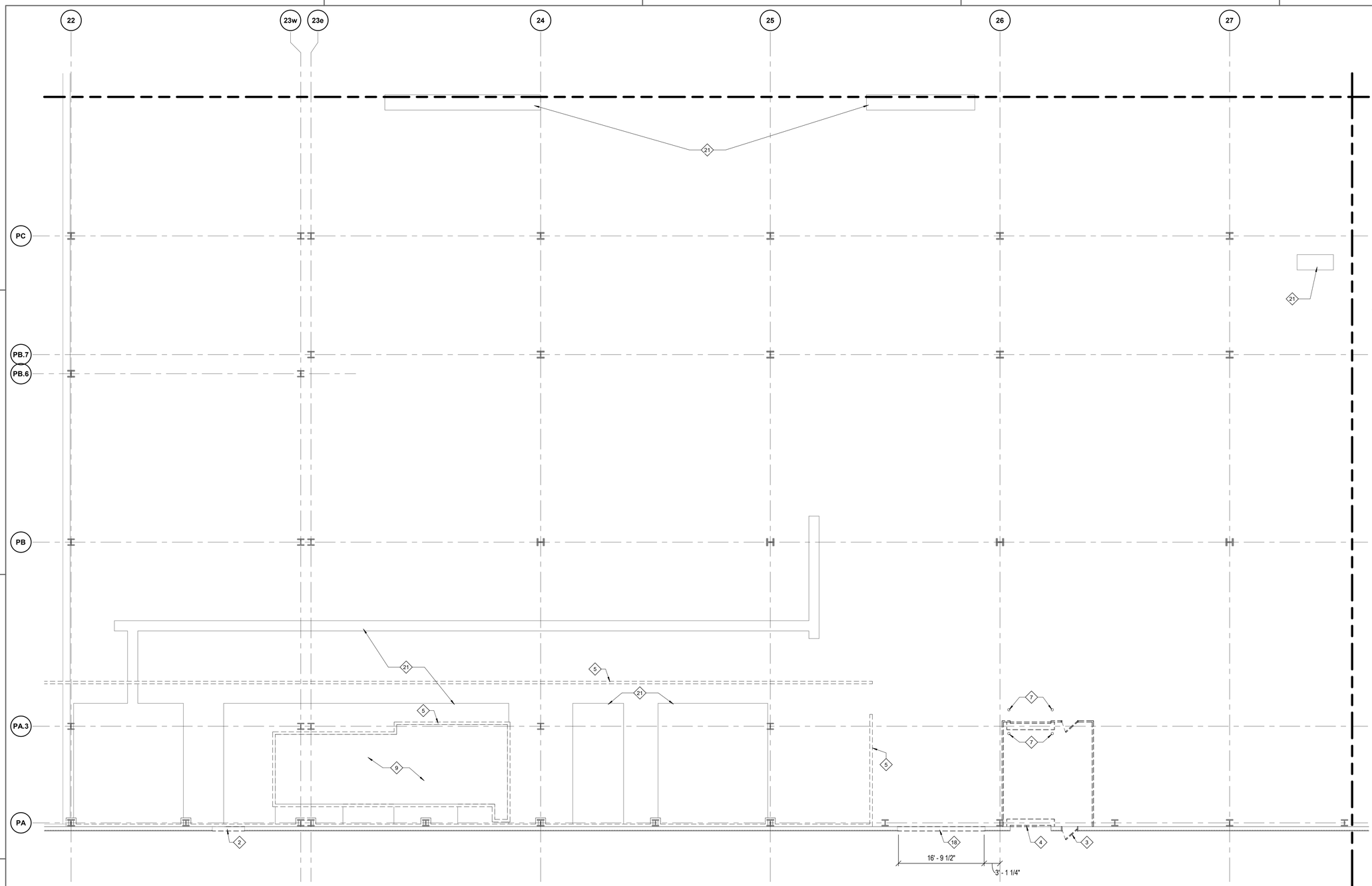
US Army Corps of Engineers

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OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR DEMOLITION PLAN
AREA - B

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 02/20/17
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SHEET IDENTIFICATION: AD102
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5. SAW CUT FLOORS AS REQUIRED TO INSTALL PLUMBING SYSTEMS. RE: STRUCT / MECH / PLUMBING DRAWINGS FOR LOCATION.
6. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
7. REMOVE ALL EXISTING GUARDRAILS AROUND SLAB OPENINGS THAT ARE TO BE INFILLED.
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9. REMOVE ALL EXISTING LAY-IN CEILING TILE AND GRID.
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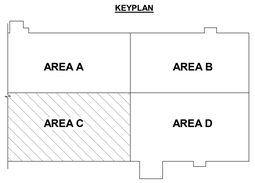
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11. EXISTING OPENING IN SLAB. REFER TO STRUCTURAL DWGS FOR INFILL.
12. REMOVE EXISTING WALLS ALONG WITH ANY DOORS AND FRAMES WITHIN THE WALL.
13. REMOVE EXISTING COVERED WALKWAY AND POSTS. PATCH AND REPAIR METAL WALL PANELS AS NEEDED.
14. REMOVE ALL FLOOR GRATING, OVENS AND ASSOCIATED EQUIPMENT. REMOVE ALL OTHER MISCELLANEOUS EQUIPMENT AND REFUSE FROM PREVIOUS TENANT UNLESS NOTED TO REMAIN. REFER TO STRUCTURAL DRAWINGS FOR DEMOLITION OF STRUCTURAL ELEMENTS.
15. REMOVE EXISTING ENTRY DOORS AND TURNSTILES. PATCH AND REPAIR FLOOR AS NECESSARY.
16. REMOVE EXISTING OVERHEAD DOOR. PREPARE OPENING TO RECEIVE NEW DOOR PER PLANS AND DOOR SCHEDULE.
17. REMOVE EXISTING STEEL GRATING CATWALK. SEE STRUCTURAL FOR EXTENT OF NEW SLAB.
18. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR NEW EXTERIOR BUILDING ADDITION PER FLOOR PLANS. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORT STEEL FOR NEW OPENINGS.
19. REMOVE PORTION OF EXISTING SLAB. RE: SHEET A-411 AND STRUCTURAL DRAWINGS.
20. REMOVE EXISTING LOCKERS.
21. OUTLINE OF SLAB DEMOLITION. RE: STRUCTURAL DRAWINGS FOR MORE INFORMATION.
22. REMOVE EXISTING INSULATION. CLEAN AND PREP WALL FOR NEW INSULATION.
23. REMOVE EXTERIOR WAL ON GROUND FLOOR AS REQUIRED FOR CONSTRUCTION OF NEW STORM SHELTER.

A5 GROUND FLOOR DEMOLITION PLAN AREA - C
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

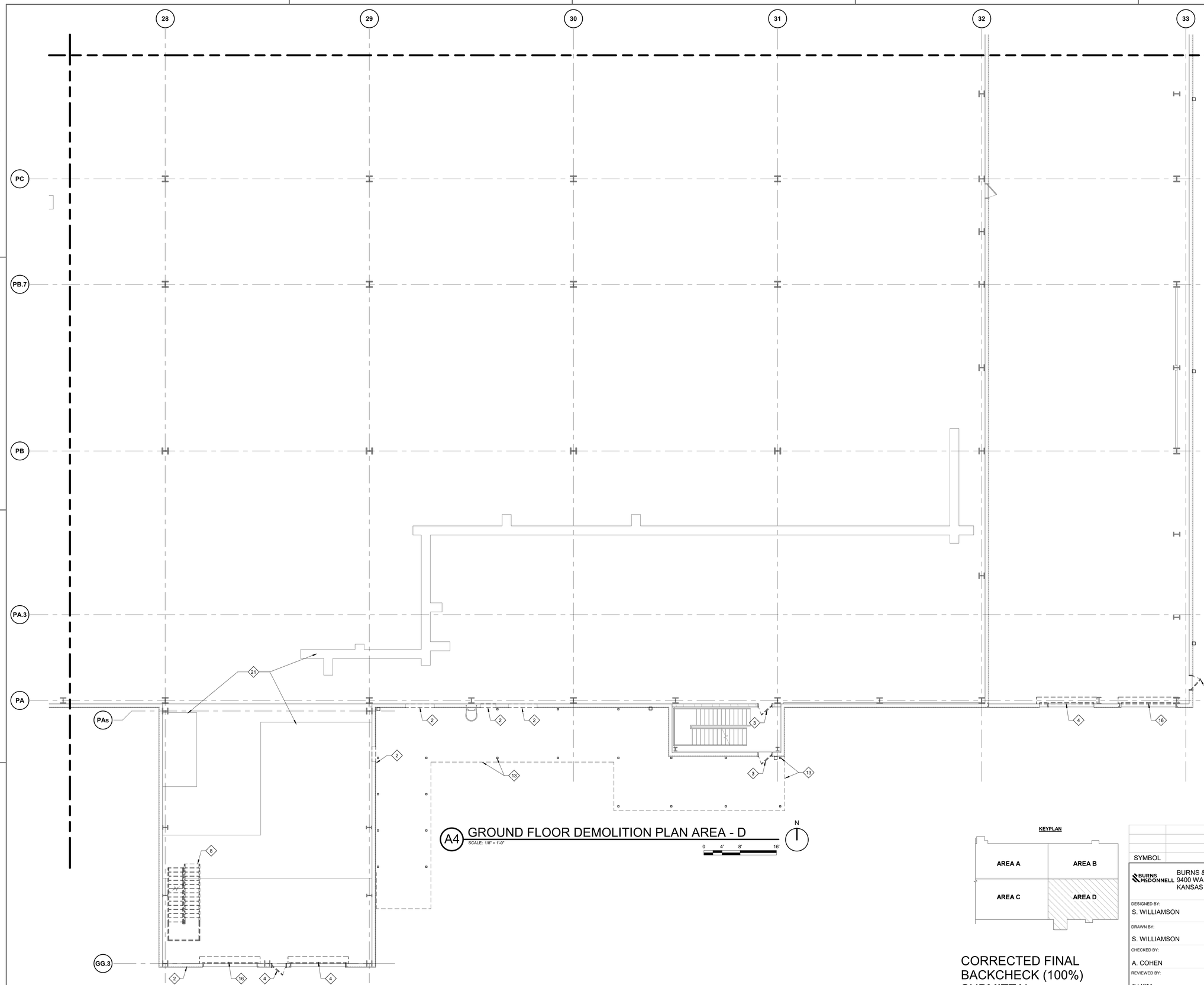
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR DEMOLITION PLAN
AREA - C

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/23/18
FILE NUMBER: 104444AD103.DWG
SHEET IDENTIFICATION: AD103
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A4 GROUND FLOOR DEMOLITION PLAN AREA - D
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

AREA PLAN DEMOLITION NOTES:

1. ALL MATERIALS, ASSEMBLIES, AND EQUIPMENT WHICH ARE NOT PART OF THE BUILDING'S STRUCTURAL SYSTEM OR ENVELOPE, AND ARE NOT REQUIRED FOR CONSTRUCTION OF NEW WORK, SHALL BE DEMOLISHED AND REMOVED.
2. REMOVE WALLS AND BULKHEADS AS INDICATED IN DEMOLITION DRAWINGS TO DECK ABOVE, U.N.O.
3. REFER TO SHEET AG003 FOR PHASING DIAGRAM.
4. REMOVE ALL CONCRETE CURBS, PROJECTING HARDWARE, ADHESIVES, AND DEBRIS FROM EXISTING FLOOR SLABS. PATCH, INFILL, MAKE LEVEL, AND GRIND AS NEEDED TO MAKE SLABS CONTINUOUS, EVEN, SMOOTH, AND SUITABLE FOR NEW FLOORING MATERIAL.
5. SAW CUT FLOORS AS REQUIRED TO INSTALL PLUMBING SYSTEMS. RE: STRUCT / MECH / PLUMBING DRAWINGS FOR LOCATION.
6. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
7. REMOVE ALL EXISTING GUARDRAILS AROUND SLAB OPENINGS THAT ARE TO BE INFILLED.
8. SEE MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DEMOLITION PLANS FOR REMOVAL OF EXISTING DUCTS, PIPES, CONDUITS, AND SPRINKER SYSTEM.
9. REMOVE ALL EXISTING LAY-IN CEILING TILE AND GRID.
10. DO NOT DESTROY ANY EXISTING VAPOR BARRIERS BELOW STRUCTURAL SLAB.

DEMOLITION PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

1. REMOVE STOREFRONT SYSTEM. PREPARE OPENING FOR INSTALLATION OF NEW STOREFRONT.
2. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR INSTALLATION OF NEW DOOR. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORTING STEEL FOR NEW OPENINGS. REFER TO NEW CONSTRUCTION FOR DIMENSION.
3. REMOVE EXISTING DOOR AND FRAME AND THRESHOLD. PREPARE OPENING FOR NEW DOOR AND FRAME.
4. REMOVE EXISTING DOOR. PREPARE TO INFILL OPENING PER PLANS.
5. REMOVE EXISTING CONCRETE CURB. PREPARE SLAB TO RECEIVE NEW FLOOR FINISHES.
6. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. CAP LINES BELOW SLAB. PREPARE SURFACES FOR NEW FINISHES.
7. REMOVE EXISTING BOLLARD. PATCH AND REPAIR SLAB.
8. REMOVE EXISTING STAIR.
9. INFILL PIT WITH GRAVEL, COMPACT AND COVER WITH CONCRETE SLAB FLUSH WITH ADJACENT SLAB. RE: STRUCTURAL.
10. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. REMOVE LINES BACK TO GROUND FLOOR SLAB AND CAP. PREPARE SURFACES FOR NEW FINISHES.
11. EXISTING OPENING IN SLAB. REFER TO STRUCTURAL DWGS FOR INFILL.
12. REMOVE EXISTING WALLS ALONG WITH ANY DOORS AND FRAMES WITHIN THE WALL.
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23. REMOVE EXTERIOR WAL ON GROUND FLOOR AS REQUIRED FOR CONSTRUCTION OF NEW STORM SHELTER.

KEYPLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
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KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

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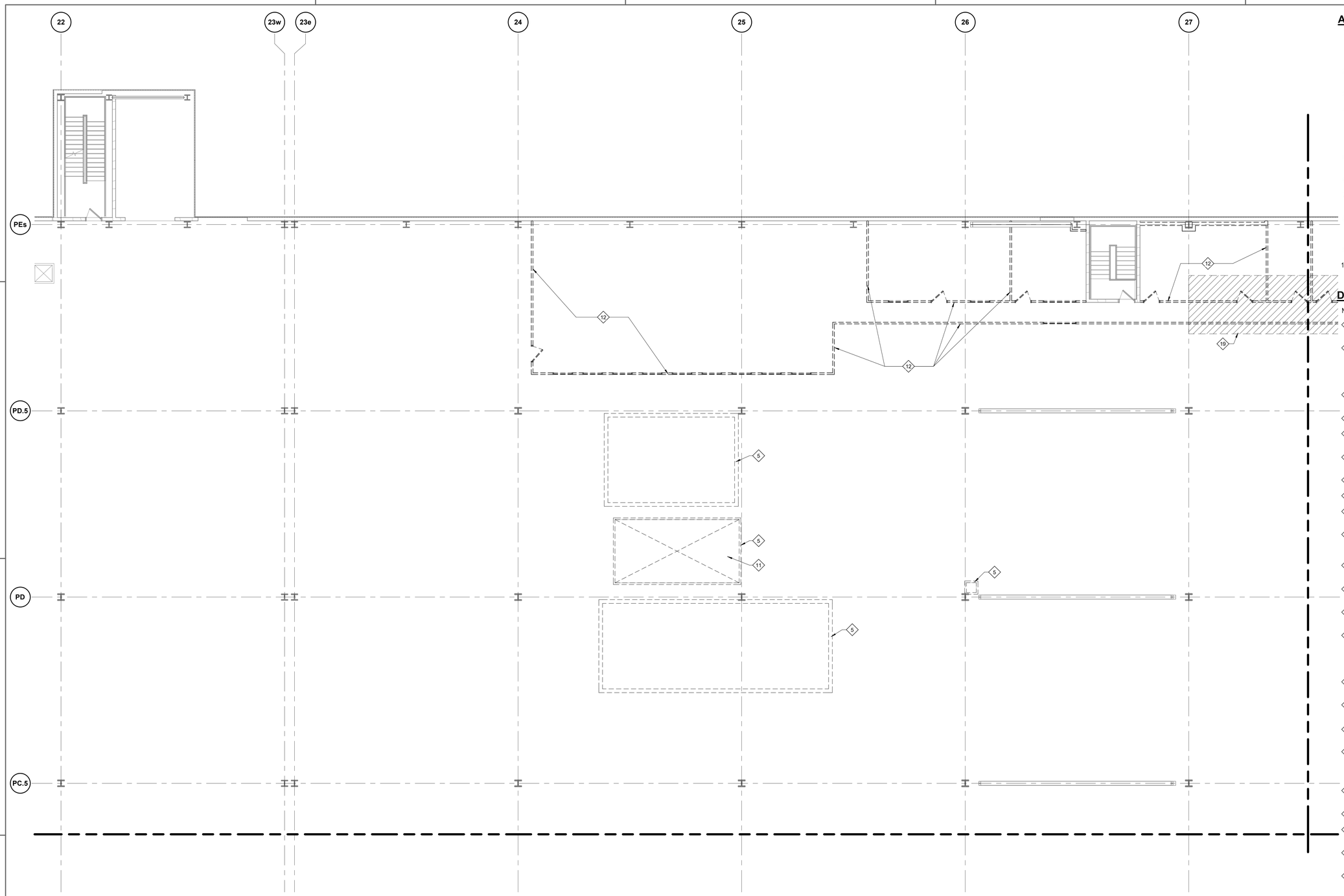
DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

GROUND FLOOR DEMOLITION PLAN
AREA - D

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/23/18
FILE NUMBER: 104444AD104.DWG
SHEET IDENTIFICATION: AD104
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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AREA PLAN DEMOLITION NOTES:

1. ALL MATERIALS, ASSEMBLIES, AND EQUIPMENT WHICH ARE NOT PART OF THE BUILDING'S STRUCTURAL SYSTEM OR ENVELOPE, AND ARE NOT REQUIRED FOR CONSTRUCTION OF NEW WORK, SHALL BE DEMOLISHED AND REMOVED.
2. REMOVE WALLS AND BULKHEADS AS INDICATED IN DEMOLITION DRAWINGS TO DECK ABOVE, U.N.O.
3. REFER TO SHEET AG003 FOR PHASING DIAGRAM.
4. REMOVE ALL CONCRETE CURBS, PROJECTING HARDWARE, ADHESIVES, AND DEBRIS FROM EXISTING FLOOR SLABS. PATCH, INFILL, MAKE LEVEL, AND GRIND AS NEEDED TO MAKE SLABS CONTINUOUS, EVEN, SMOOTH, AND SUITABLE FOR NEW FLOORING MATERIAL.
5. SAW CUT FLOORS AS REQUIRED TO INSTALL PLUMBING SYSTEMS. RE: STRUCT / MECH / PLUMBING DRAWINGS FOR LOCATION.
6. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
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9. REMOVE ALL EXISTING LAY-IN CEILING TILE AND GRID.
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DEMOLITION PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

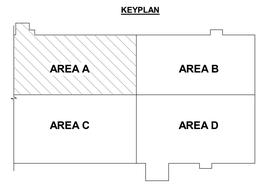
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23. REMOVE EXTERIOR WAL ON GROUND FLOOR AS REQUIRED FOR CONSTRUCTION OF NEW STORM SHELTER.

A5 SIXTEEN FOOT FLOOR DEMOLITION PLAN AREA - A
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
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OKLAHOMA CITY, OKLAHOMA

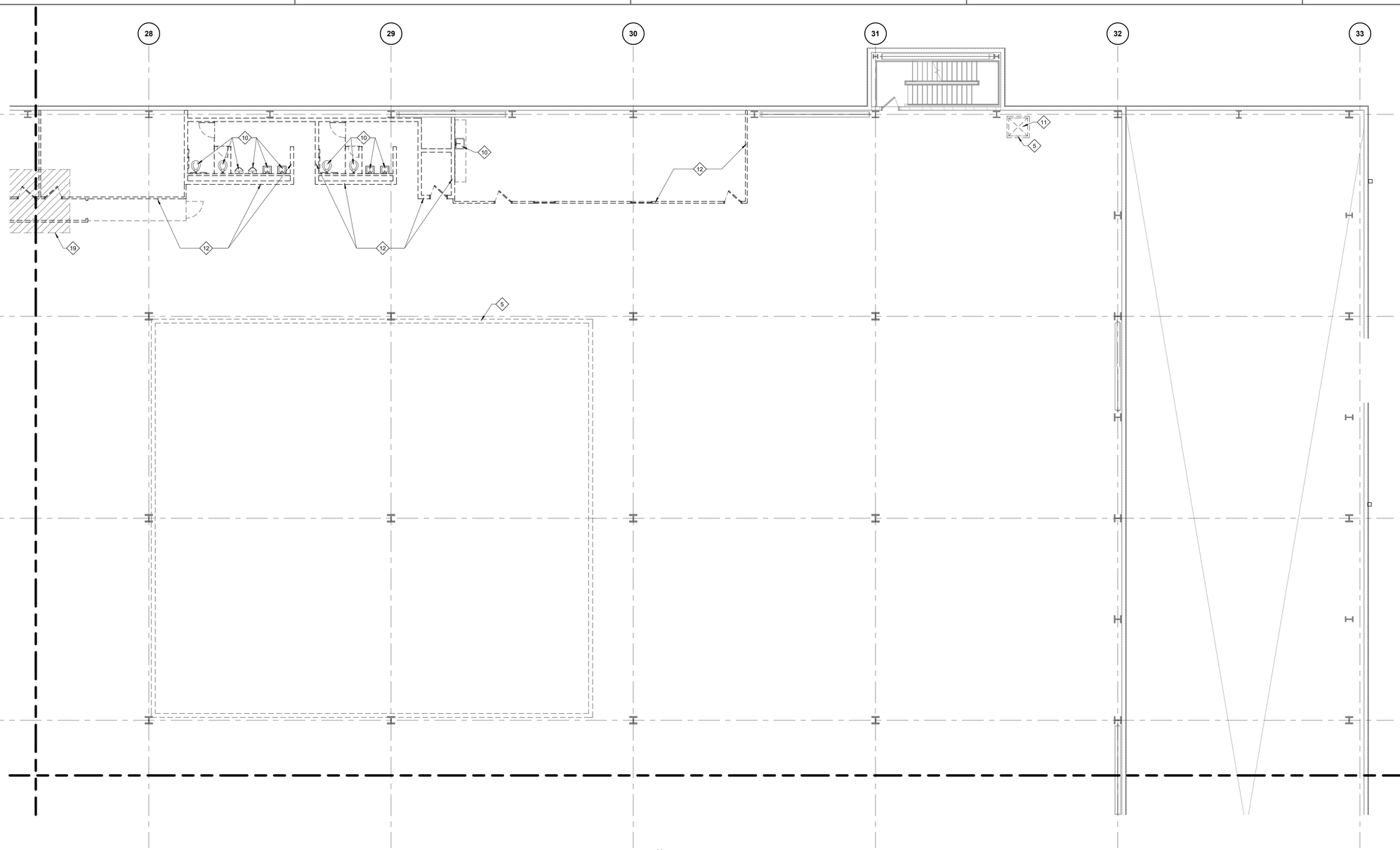
US Army Corps of Engineers

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

SIXTEEN FOOT FLOOR DEMOLITION PLAN AREA - A

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 01/18/18
FILE NUMBER: 104444AD105.DWG
SHEET IDENTIFICATION: AD105
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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B5 SIXTEEN FOOT FLOOR DEMOLITION PLAN AREA - B
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

AREA PLAN DEMOLITION NOTES:

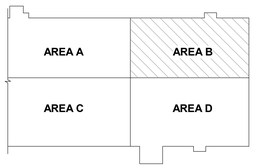
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2. REMOVE WALLS AND BULKHEADS AS INDICATED IN DEMOLITION DRAWINGS TO DECK ABOVE, U.N.O.
3. REFER TO SHEET AG003 FOR PHASING DIAGRAM.
4. REMOVE ALL CONCRETE CURBS, PROJECTING HARDWARE, ADHESIVES, AND DEBRIS FROM EXISTING FLOOR SLABS. PATCH, INFILL, MAKE LEVEL, AND GRIND AS NEEDED TO MAKE SLABS CONTINUOUS, EVEN, SMOOTH, AND SUITABLE FOR NEW FLOORING MATERIAL.
5. SAW CUT FLOORS AS REQUIRED TO INSTALL PLUMBING SYSTEMS. RE: STRUCT / MECH / PLUMBING DRAWINGS FOR LOCATION.
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9. REMOVE ALL EXISTING LAY-IN CEILING TILE AND GRID.
10. DO NOT DESTROY ANY EXISTING VAPOR BARRIERS BELOW STRUCTURAL SLAB.

DEMOLITION PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

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KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
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SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
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DESIGNED BY: S. WILLIAMSON
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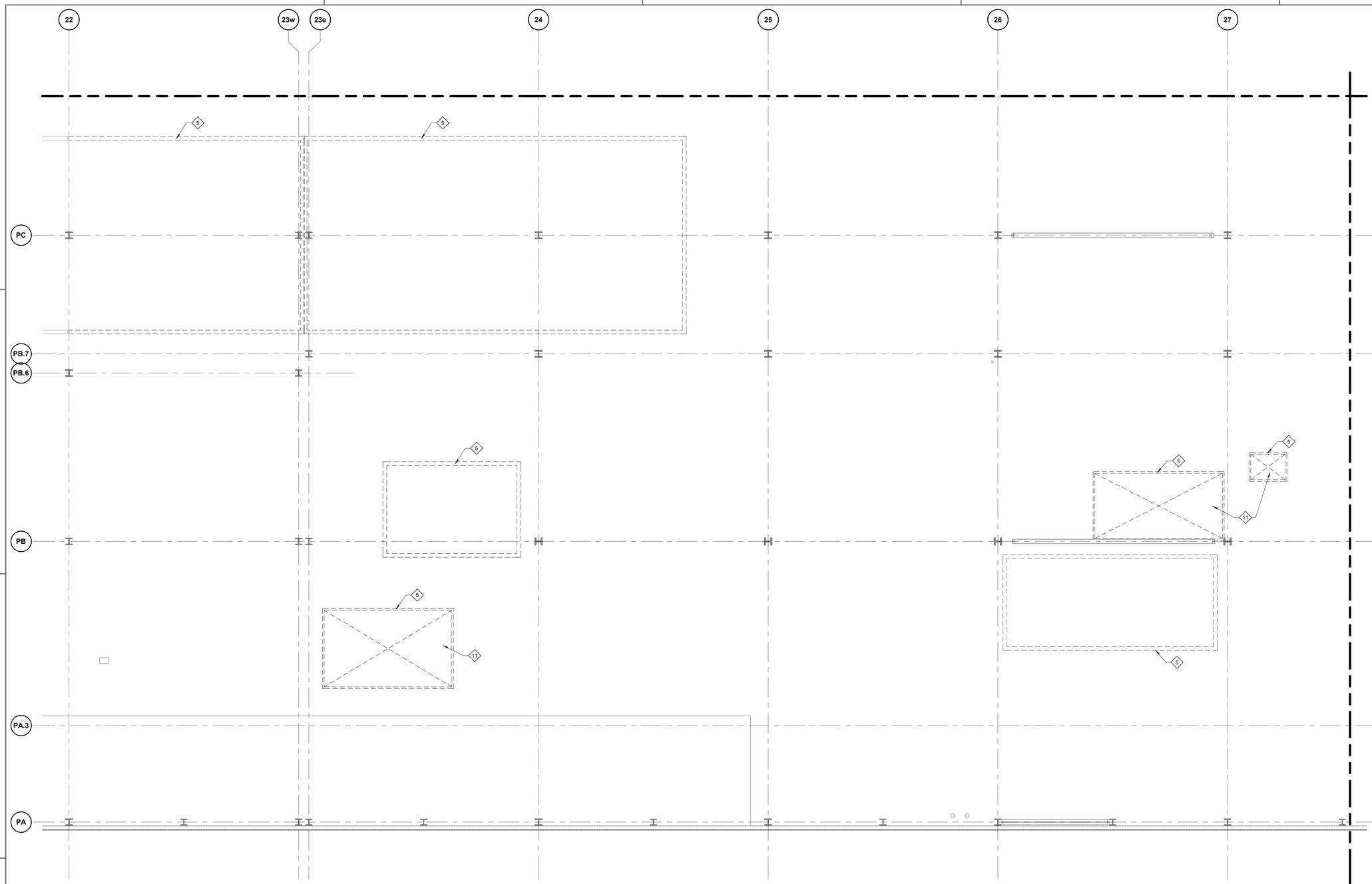
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

SIXTEEN FOOT FLOOR DEMOLITION PLAN AREA - B

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 01/18/18
FILE NUMBER: 104444AD106.DWG
SHEET IDENTIFICATION: AD106
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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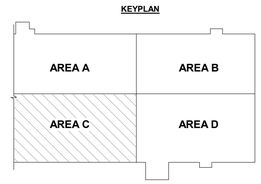
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A5 SIXTEEN FOOT FLOOR DEMOLITION PLAN AREA - C
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
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SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

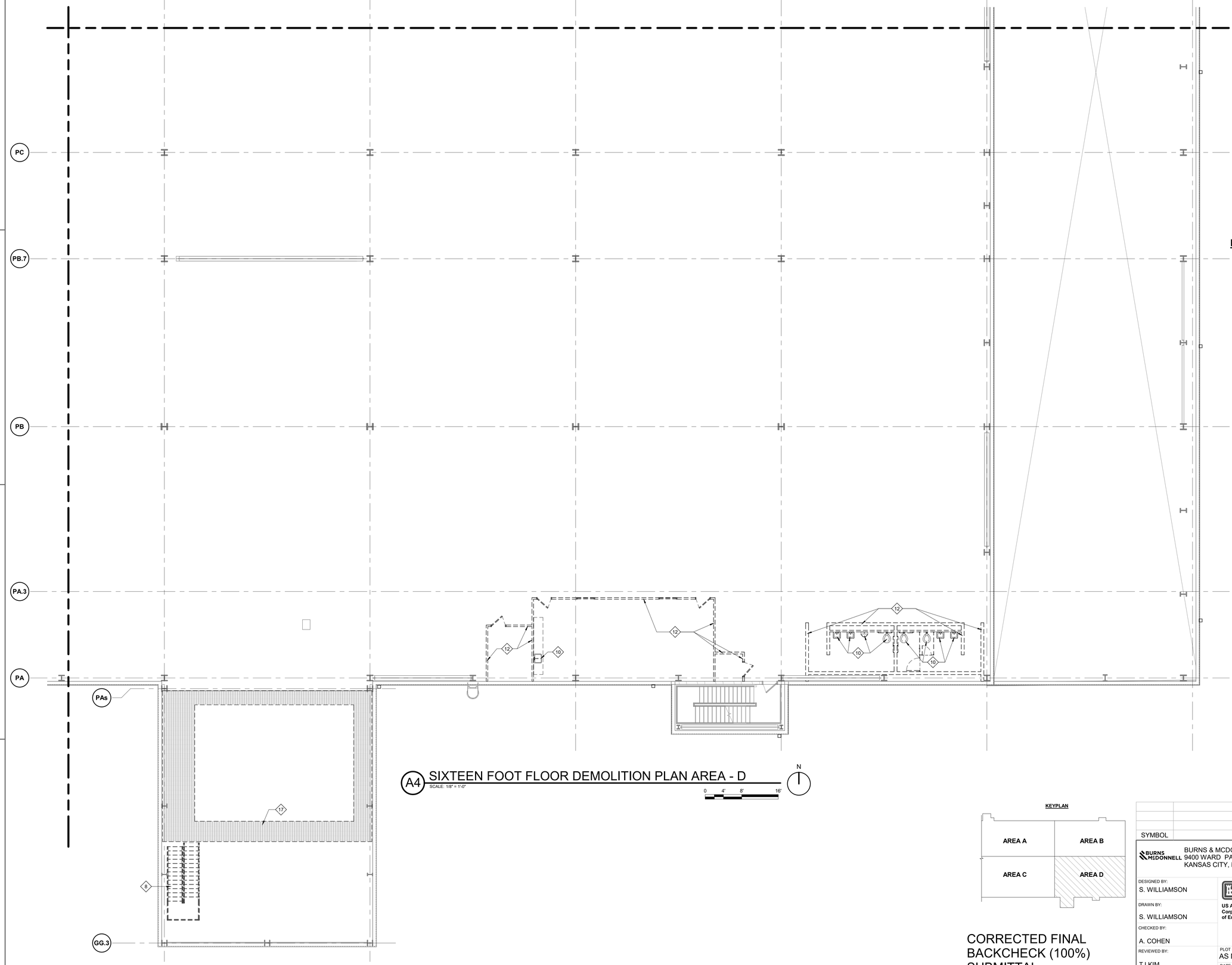
US Army Corps of Engineers

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

SIXTEEN FOOT FLOOR DEMOLITION PLAN AREA - C

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/23/18
FILE NUMBER: 104444AD107.DWG
SHEET IDENTIFICATION: AD107
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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A4 SIXTEEN FOOT FLOOR DEMOLITION PLAN AREA - D

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

0 4' 8' 16'

N

AREA PLAN DEMOLITION NOTES:

1. ALL MATERIALS, ASSEMBLIES, AND EQUIPMENT WHICH ARE NOT PART OF THE BUILDING'S STRUCTURAL SYSTEM OR ENVELOPE, AND ARE NOT REQUIRED FOR CONSTRUCTION OF NEW WORK, SHALL BE DEMOLISHED AND REMOVED.
2. REMOVE WALLS AND BULKHEADS AS INDICATED IN DEMOLITION DRAWINGS TO DECK ABOVE, U.N.O.
3. REFER TO SHEET AG003 FOR PHASING DIAGRAM.
4. REMOVE ALL CONCRETE CURBS, PROJECTING HARDWARE, ADHESIVES, AND DEBRIS FROM EXISTING FLOOR SLABS. PATCH, INFILL, MAKE LEVEL, AND GRIND AS NEEDED TO MAKE SLABS CONTINUOUS, EVEN, SMOOTH, AND SUITABLE FOR NEW FLOORING MATERIAL.
5. SAW CUT FLOORS AS REQUIRED TO INSTALL PLUMBING SYSTEMS. RE: STRUCT / MECH / PLUMBING DRAWINGS FOR LOCATION.
6. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
7. REMOVE ALL EXISTING GUARDRAILS AROUND SLAB OPENINGS THAT ARE TO BE INFILLED.
8. SEE MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DEMOLITION PLANS FOR REMOVAL OF EXISTING DUCTS, PIPES, CONDUITS, AND SPRINKER SYSTEM.
9. REMOVE ALL EXISTING LAY-IN CEILING TILE AND GRID.
10. DO NOT DESTROY ANY EXISTING VAPOR BARRIERS BELOW STRUCTURAL SLAB.

DEMOLITION PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

1. REMOVE STOREFRONT SYSTEM. PREPARE OPENING FOR INSTALLATION OF NEW STOREFRONT.
2. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR INSTALLATION OF NEW DOOR. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORTING STEEL FOR NEW OPENINGS. REFER TO NEW CONSTRUCTION FOR DIMENSION.
3. REMOVE EXISTING DOOR AND FRAME AND THRESHOLD. PREPARE OPENING FOR NEW DOOR AND FRAME.
4. REMOVE EXISTING DOOR. PREPARE TO INFILL OPENING PER PLANS.
5. REMOVE EXISTING CONCRETE CURB. PREPARE SLAB TO RECEIVE NEW FLOOR FINISHES.
6. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. CAP LINES BELOW SLAB. PREPARE SURFACES FOR NEW FINISHES.
7. REMOVE EXISTING BOLLARD. PATCH AND REPAIR SLAB.
8. REMOVE EXISTING STAIR.
9. INFILL PIT WITH GRAVEL, COMPACT AND COVER WITH CONCRETE SLAB FLUSH WITH ADJACENT SLAB. RE: STRUCTURAL.
10. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. REMOVE LINES BACK TO GROUND FLOOR SLAB AND CAP. PREPARE SURFACES FOR NEW FINISHES.
11. EXISTING OPENING IN SLAB. REFER TO STRUCTURAL DWGS FOR INFILL.
12. REMOVE EXISTING WALLS ALONG WITH ANY DOORS AND FRAMES WITHIN THE WALL.
13. REMOVE EXISTING COVERED WALKWAY AND POSTS. PATCH AND REPAIR METAL WALL PANELS AS NEEDED.
14. REMOVE ALL FLOOR GRATING, OVENS AND ASSOCIATED EQUIPMENT. REMOVE ALL OTHER MISCELLANEOUS EQUIPMENT AND REFUSE FROM PREVIOUS TENANT UNLESS NOTED TO REMAIN. REFER TO STRUCTURAL DRAWINGS FOR DEMOLITION OF STRUCTURAL ELEMENTS.
15. REMOVE EXISTING ENTRY DOORS AND TURNSTILES. PATCH AND REPAIR FLOOR AS NECESSARY.
16. REMOVE EXISTING OVERHEAD DOOR. PREPARE OPENING TO RECEIVE NEW DOOR PER PLANS AND DOOR SCHEDULE.
17. REMOVE EXISTING STEEL GRATING CATWALK. SEE STRUCTURAL FOR EXTENT OF NEW SLAB.
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23. REMOVE EXTERIOR WAL ON GROUND FLOOR AS REQUIRED FOR CONSTRUCTION OF NEW STORM SHELTER.

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SUBMITTAL
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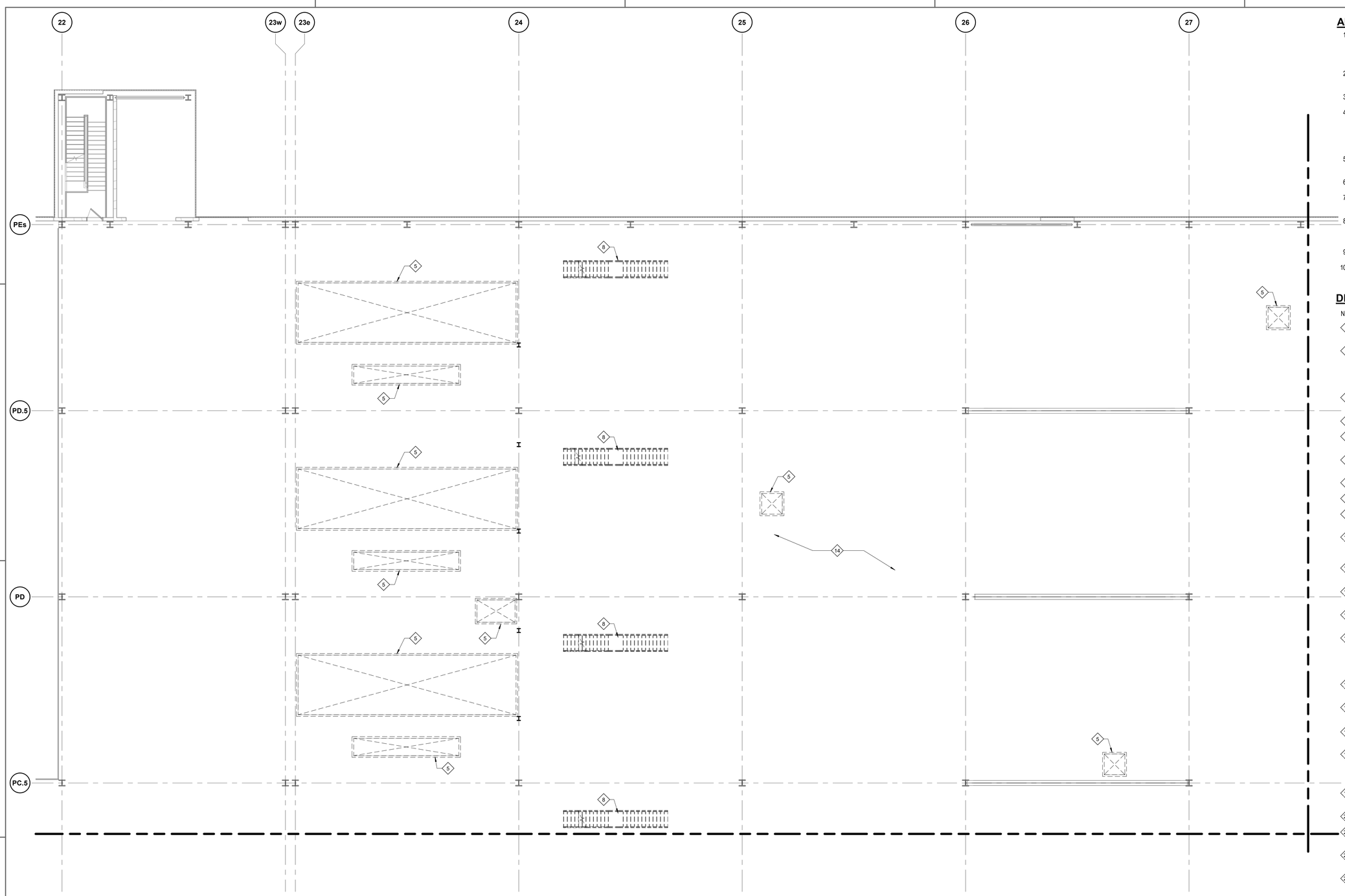
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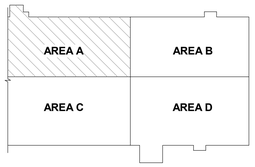
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A5 FORTY FOOT FLOOR DEMOLITION PLAN AREA - A
SCALE: 1/8" = 1'-0"

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N

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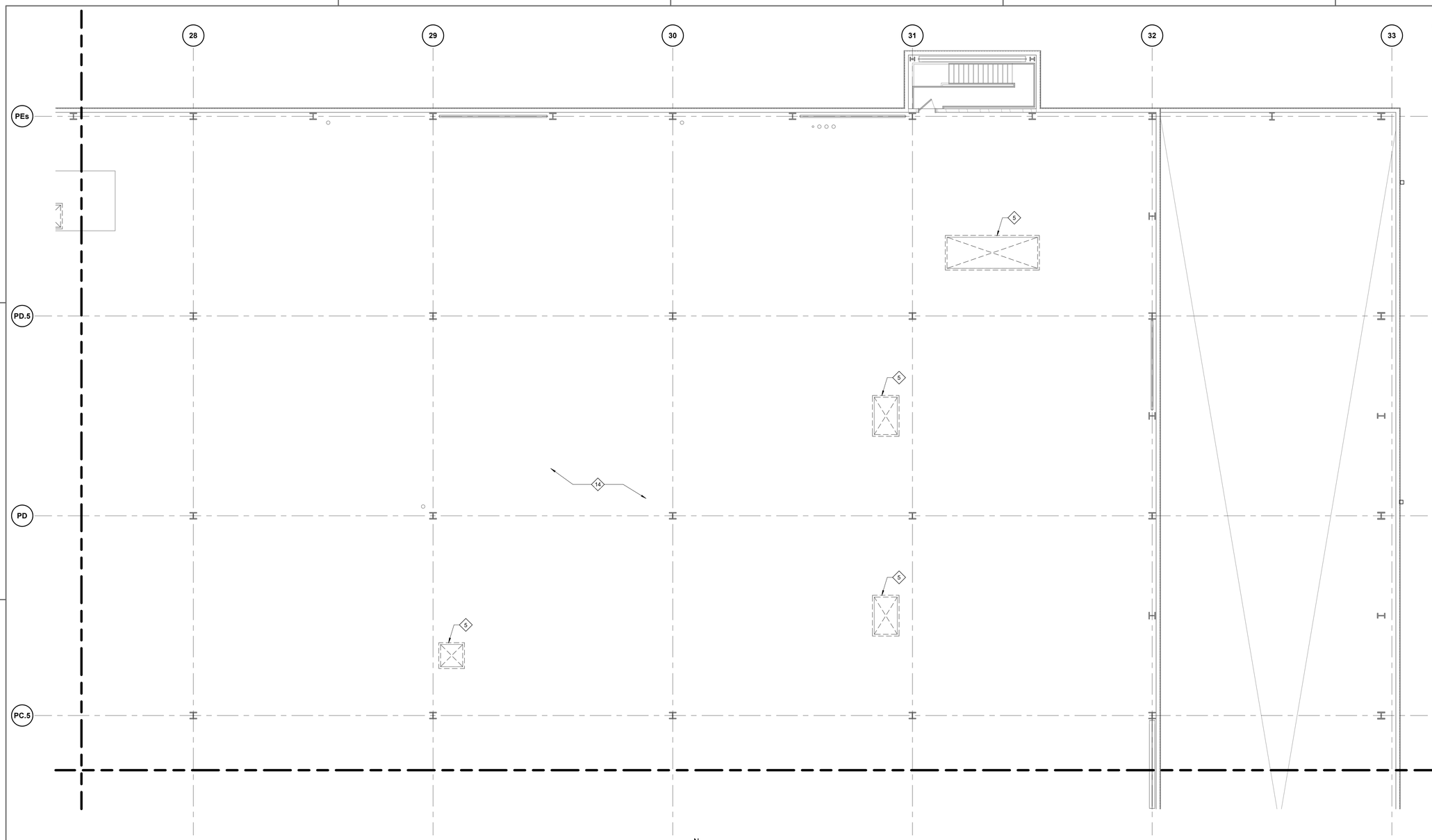
US Army Corps of Engineers

B9201 PROGRAM OFFICE
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OKLAHOMA CITY, OKLAHOMA

FORTY FOOT FLOOR DEMOLITION PLAN AREA - A

PLOT SCALE: AS NOTED
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B5 FORTY FOOT FLOOR DEMOLITION PLAN AREA - B

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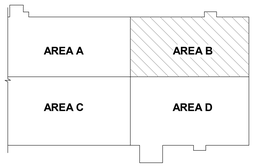
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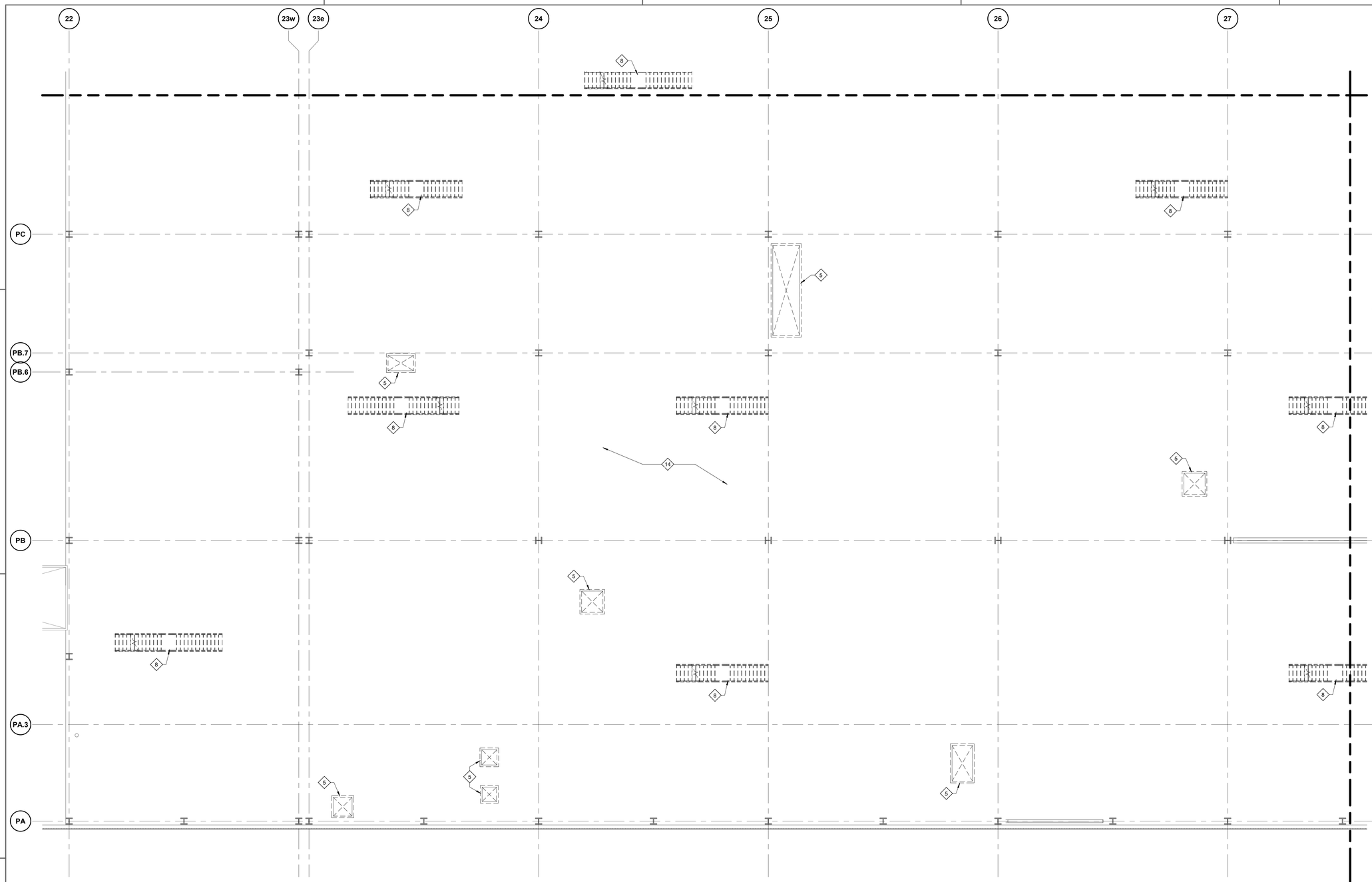
US Army Corps of Engineers

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FORTY FOOT FLOOR DEMOLITION PLAN AREA - B

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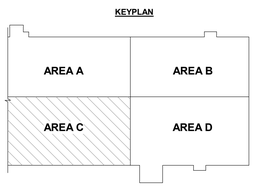
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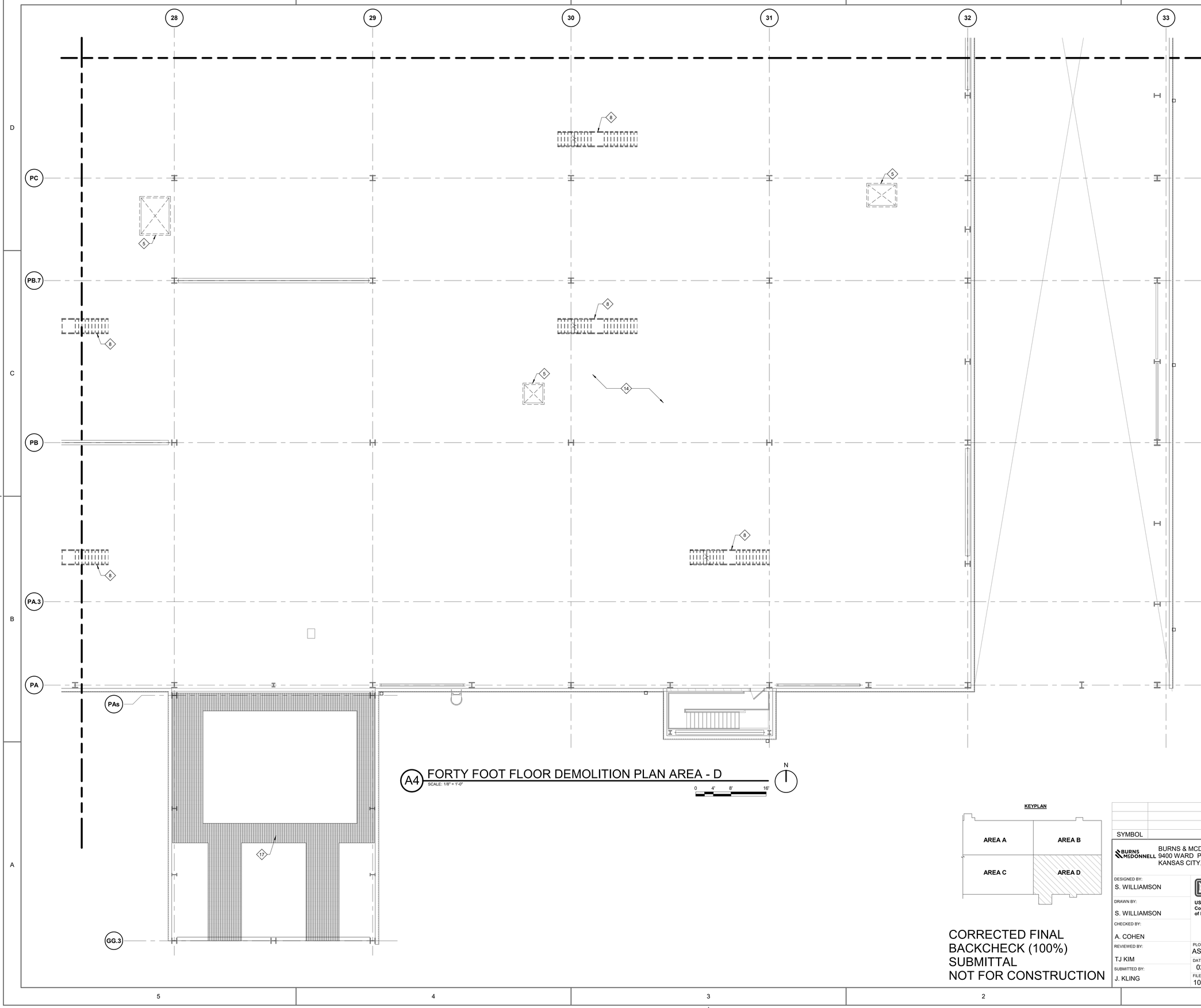
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2. REMOVE WALLS AND BULKHEADS AS INDICATED IN DEMOLITION DRAWINGS TO DECK ABOVE, U.N.O.
3. REFER TO SHEET AG003 FOR PHASING DIAGRAM.
4. REMOVE ALL CONCRETE CURBS, PROJECTING HARDWARE, ADHESIVES, AND DEBRIS FROM EXISTING FLOOR SLABS. PATCH, INFILL, MAKE LEVEL, AND GRIND AS NEEDED TO MAKE SLABS CONTINUOUS, EVEN, SMOOTH, AND SUITABLE FOR NEW FLOORING MATERIAL.
5. SAW CUT FLOORS AS REQUIRED TO INSTALL PLUMBING SYSTEMS. RE: STRUCT / MECH / PLUMBING DRAWINGS FOR LOCATION.
6. REFER TO ELECTRICAL DRAWINGS FOR SCOPE OF WORK.
7. REMOVE ALL EXISTING GUARDRAILS AROUND SLAB OPENINGS THAT ARE TO BE INFILLED.
8. SEE MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DEMOLITION PLANS FOR REMOVAL OF EXISTING DUCTS, PIPES, CONDUITS, AND SPRINKER SYSTEM.
9. REMOVE ALL EXISTING LAY-IN CEILING TILE AND GRID.
10. DO NOT DESTROY ANY EXISTING VAPOR BARRIERS BELOW STRUCTURAL SLAB.

DEMOLITION PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

1. REMOVE STOREFRONT SYSTEM. PREPARE OPENING FOR INSTALLATION OF NEW STOREFRONT.
2. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR INSTALLATION OF NEW DOOR. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORTING STEEL FOR NEW OPENINGS. REFER TO NEW CONSTRUCTION FOR DIMENSION.
3. REMOVE EXISTING DOOR AND FRAME AND THRESHOLD. PREPARE OPENING FOR NEW DOOR AND FRAME.
4. REMOVE EXISTING DOOR. PREPARE TO INFILL OPENING PER PLANS.
5. REMOVE EXISTING CONCRETE CURB. PREPARE SLAB TO RECEIVE NEW FLOOR FINISHES.
6. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. CAP LINES BELOW SLAB. PREPARE SURFACES FOR NEW FINISHES.
7. REMOVE EXISTING BOLLARD. PATCH AND REPAIR SLAB.
8. REMOVE EXISTING STAIR.
9. INFILL PIT WITH GRAVEL, COMPACT AND COVER WITH CONCRETE SLAB FLUSH WITH ADJACENT SLAB. RE: STRUCTURAL.
10. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. REMOVE LINES BACK TO GROUND FLOOR SLAB AND CAP. PREPARE SURFACES FOR NEW FINISHES.
11. EXISTING OPENING IN SLAB. REFER TO STRUCTURAL DWGS FOR INFILL.
12. REMOVE EXISTING WALLS ALONG WITH ANY DOORS AND FRAMES WITHIN THE WALL.
13. REMOVE EXISTING COVERED WALKWAY AND POSTS. PATCH AND REPAIR METAL WALL PANELS AS NEEDED.
14. REMOVE ALL FLOOR GRATING, OVENS AND ASSOCIATED EQUIPMENT. REMOVE ALL OTHER MISCELLANEOUS EQUIPMENT AND REFUSE FROM PREVIOUS TENANT UNLESS NOTED TO REMAIN. REFER TO STRUCTURAL DRAWINGS FOR DEMOLITION OF STRUCTURAL ELEMENTS.
15. REMOVE EXISTING ENTRY DOORS AND TURNSTILES. PATCH AND REPAIR FLOOR AS NECESSARY.
16. REMOVE EXISTING OVERHEAD DOOR. PREPARE OPENING TO RECEIVE NEW DOOR PER PLANS AND DOOR SCHEDULE.
17. REMOVE EXISTING STEEL GRATING CATWALK. SEE STRUCTURAL FOR EXTENT OF NEW SLAB.
18. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR NEW EXTERIOR BUILDING ADDITION PER FLOOR PLANS. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORT STEEL FOR NEW OPENINGS.
19. REMOVE PORTION OF EXISTING SLAB. RE: SHEET A-411 AND STRUCTURAL DRAWINGS.
20. REMOVE EXISTING LOCKERS.
21. OUTLINE OF SLAB DEMOLITION. RE: STRUCTURAL DRAWINGS FOR MORE INFORMATION.
22. REMOVE EXISTING INSULATION. CLEAN AND PREP WALL FOR NEW INSULATION.
23. REMOVE EXTERIOR WAL ON GROUND FLOOR AS REQUIRED FOR CONSTRUCTION OF NEW STORM SHELTER.

KEYPLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

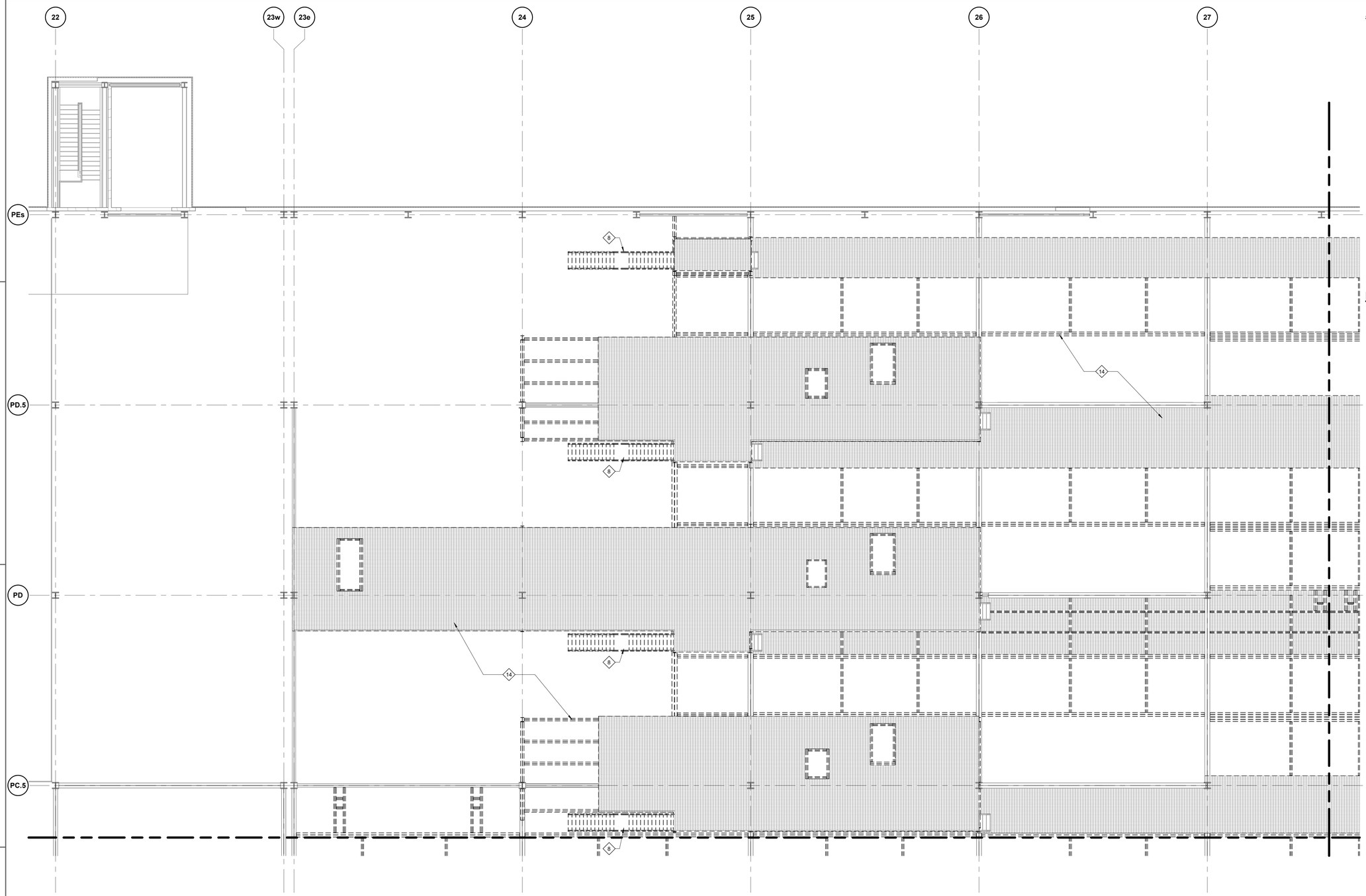
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

FORTY FOOT FLOOR DEMOLITION PLAN AREA - D

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE: SIZE:	AS NOTED 42x30
DATE:	02/23/18
FILE NUMBER:	104444AD112.DWG
SHEET IDENTIFICATION	AD112
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
Sheet	of

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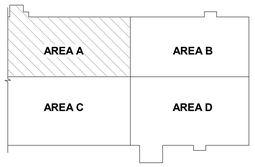
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A5 GRILLAGE FLOOR DEMOLITION PLAN AREA - A
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

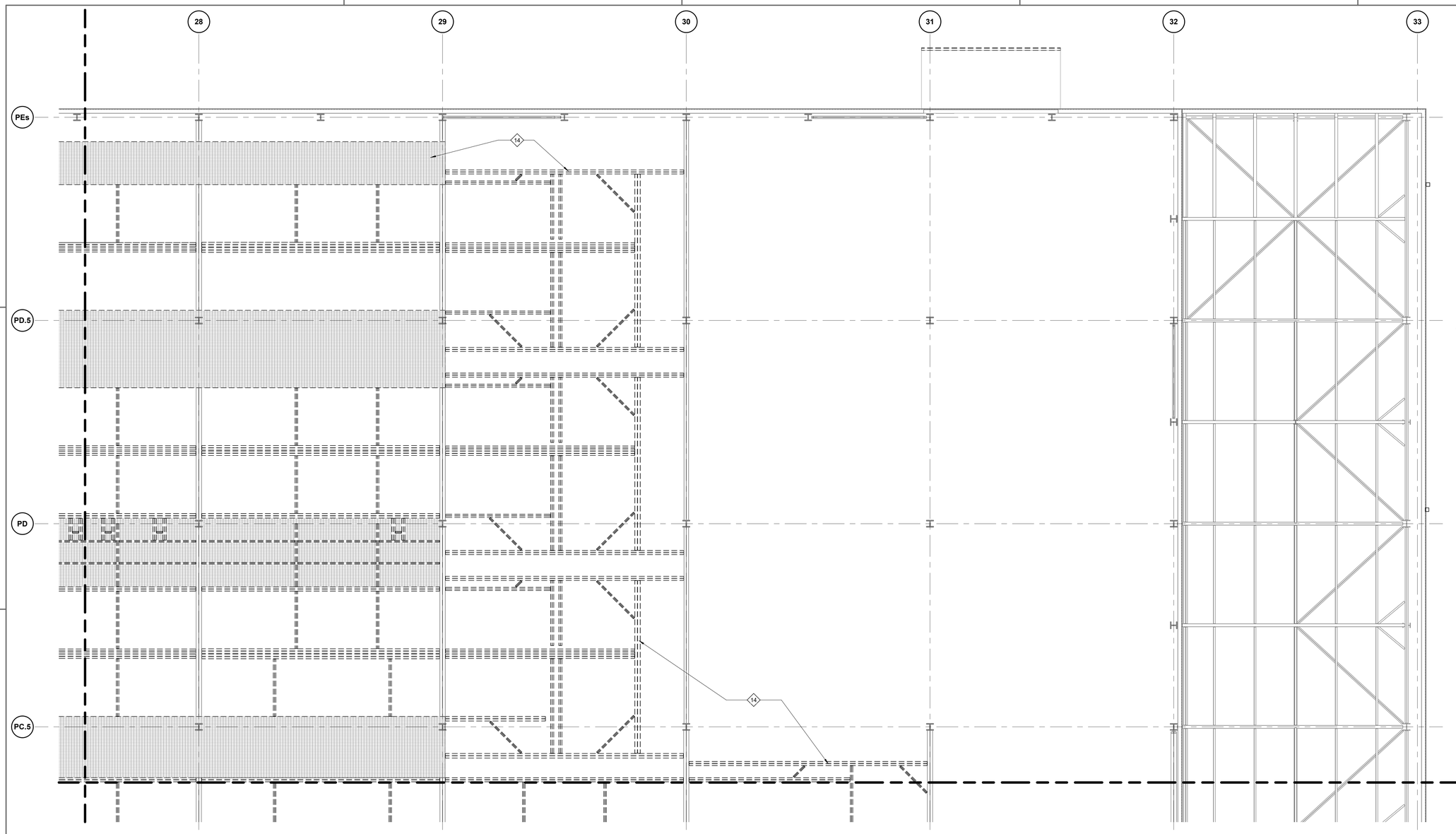
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GRILLAGE FLOOR DEMOLITION PLAN
AREA - A

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 08/29/18
FILE NUMBER: 104444AD113.DWG
SHEET IDENTIFICATION: AD113
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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B5 GRILLAGE FLOOR DEMOLITION PLAN AREA - B
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

AREA PLAN DEMOLITION NOTES:

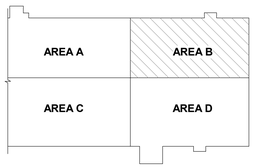
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KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

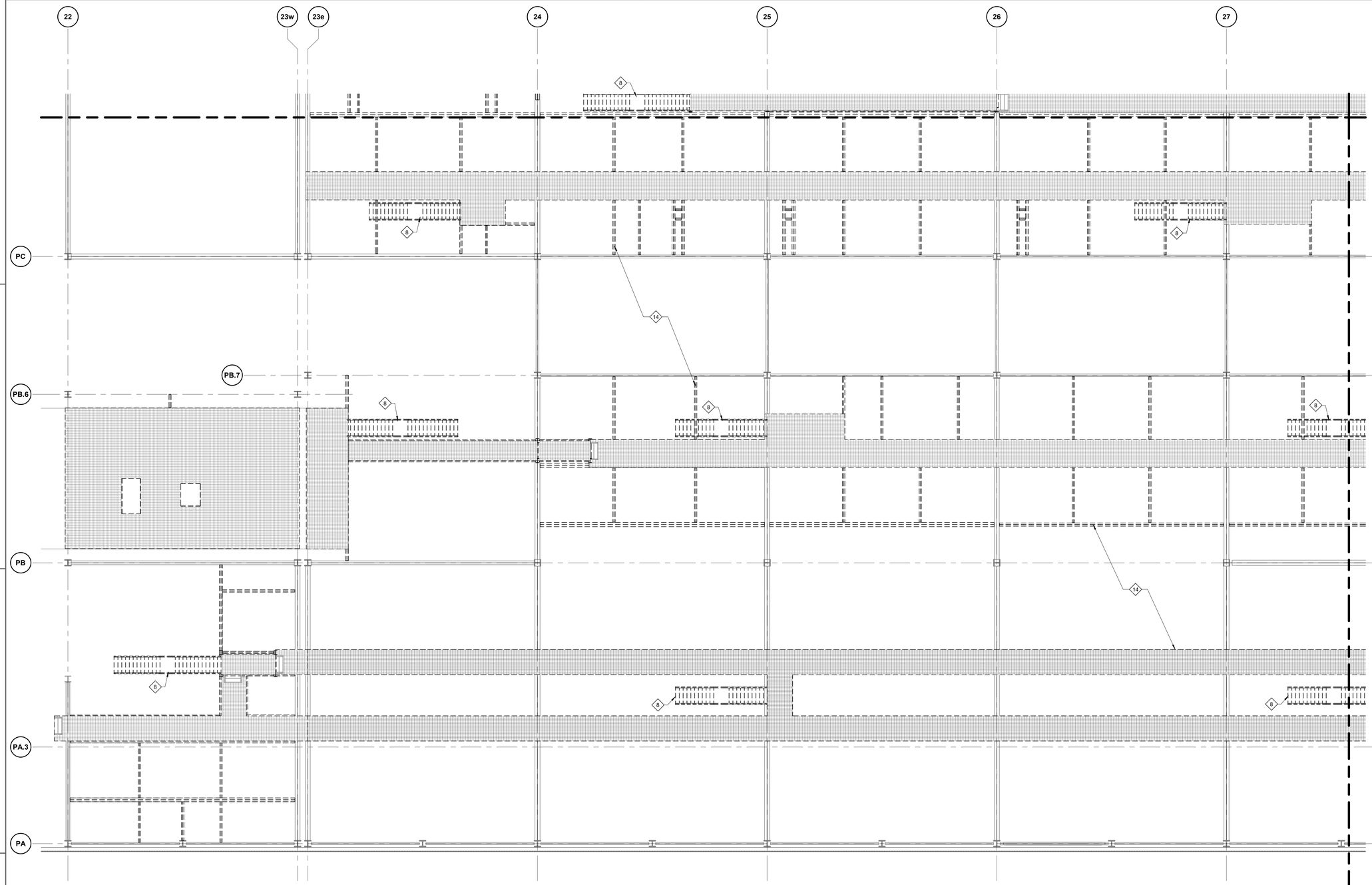
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GRILLAGE FLOOR DEMOLITION PLAN
AREA - B

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	08/29/18
FILE NUMBER:	104444AD114.DWG
SHEET IDENTIFICATION	AD114
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
Sheet	of

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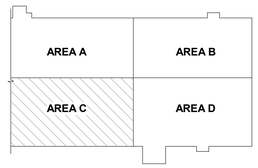
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A5 GRILLAGE FLOOR DEMOLITION PLAN AREA - C
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
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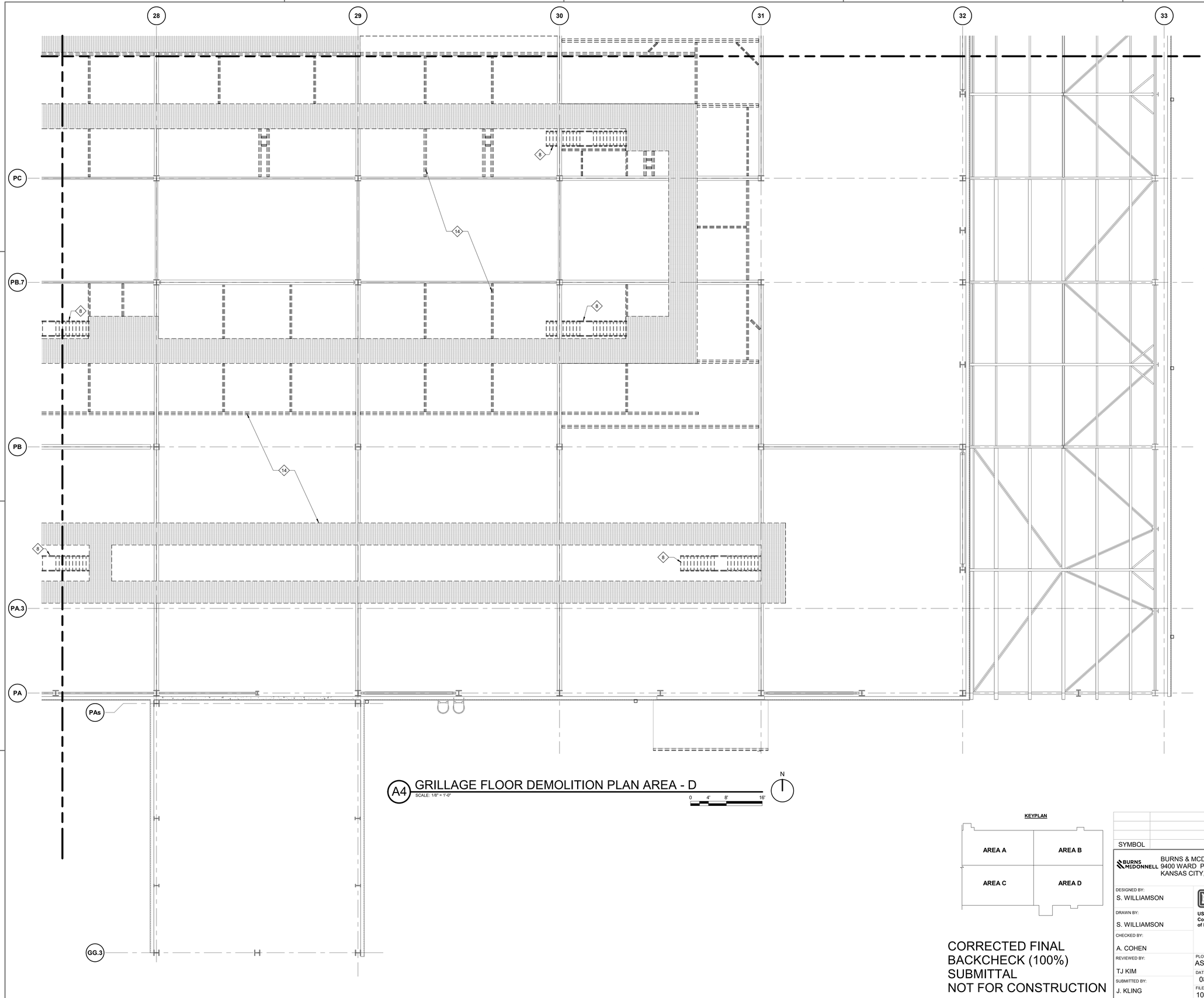
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GRILLAGE FLOOR DEMOLITION PLAN
AREA - C

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 08/29/18
FILE NUMBER: 104444AD115.DWG
SHEET IDENTIFICATION: AD115
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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A4 GRILLAGE FLOOR DEMOLITION PLAN AREA - D

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

0 4' 8' 16'

N

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1. REMOVE STOREFRONT SYSTEM. PREPARE OPENING FOR INSTALLATION OF NEW STOREFRONT.
2. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR INSTALLATION OF NEW DOOR. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORTING STEEL FOR NEW OPENINGS. REFER TO NEW CONSTRUCTION FOR DIMENSION.
3. REMOVE EXISTING DOOR AND FRAME AND THRESHOLD. PREPARE OPENING FOR NEW DOOR AND FRAME.
4. REMOVE EXISTING DOOR. PREPARE TO INFILL OPENING PER PLANS.
5. REMOVE EXISTING CONCRETE CURB. PREPARE SLAB TO RECEIVE NEW FLOOR FINISHES.
6. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. CAP LINES BELOW SLAB. PREPARE SURFACES FOR NEW FINISHES.
7. REMOVE EXISTING BOLLARD. PATCH AND REPAIR SLAB.
8. REMOVE EXISTING STAIR.
9. INFILL PIT WITH GRAVEL, COMPACT AND COVER WITH CONCRETE SLAB FLUSH WITH ADJACENT SLAB. RE: STRUCTURAL.
10. REMOVE FIXTURES AND ALL ASSOCIATED PLUMBING. REMOVE LINES BACK TO GROUND FLOOR SLAB AND CAP. PREPARE SURFACES FOR NEW FINISHES.
11. EXISTING OPENING IN SLAB. REFER TO STRUCTURAL DWGS FOR INFILL.
12. REMOVE EXISTING WALLS ALONG WITH ANY DOORS AND FRAMES WITHIN THE WALL.
13. REMOVE EXISTING COVERED WALKWAY AND POSTS. PATCH AND REPAIR METAL WALL PANELS AS NEEDED.
14. REMOVE ALL FLOOR GRATING, OVENS AND ASSOCIATED EQUIPMENT. REMOVE ALL OTHER MISCELLANEOUS EQUIPMENT AND REFUSE FROM PREVIOUS TENANT UNLESS NOTED TO REMAIN. REFER TO STRUCTURAL DRAWINGS FOR DEMOLITION OF STRUCTURAL ELEMENTS.
15. REMOVE EXISTING ENTRY DOORS AND TURNSTILES. PATCH AND REPAIR FLOOR AS NECESSARY.
16. REMOVE EXISTING OVERHEAD DOOR. PREPARE OPENING TO RECEIVE NEW DOOR PER PLANS AND DOOR SCHEDULE.
17. REMOVE EXISTING STEEL GRATING CATWALK. SEE STRUCTURAL FOR EXTENT OF NEW SLAB.
18. REMOVE PORTION OF EXTERIOR WALL. PREPARE OPENING FOR NEW EXTERIOR BUILDING ADDITION PER FLOOR PLANS. PROVIDE MODIFICATIONS TO EXISTING GIRT SYSTEM AS NEEDED AND PROVIDE ADDITIONAL SUPPORT STEEL FOR NEW OPENINGS.
19. REMOVE PORTION OF EXISTING SLAB. RE: SHEET A-411 AND STRUCTURAL DRAWINGS.
20. REMOVE EXISTING LOCKERS.
21. OUTLINE OF SLAB DEMOLITION. RE: STRUCTURAL DRAWINGS FOR MORE INFORMATION.
22. REMOVE EXISTING INSULATION. CLEAN AND PREP WALL FOR NEW INSULATION.
23. REMOVE EXTERIOR WAL ON GROUND FLOOR AS REQUIRED FOR CONSTRUCTION OF NEW STORM SHELTER.

KEYPLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

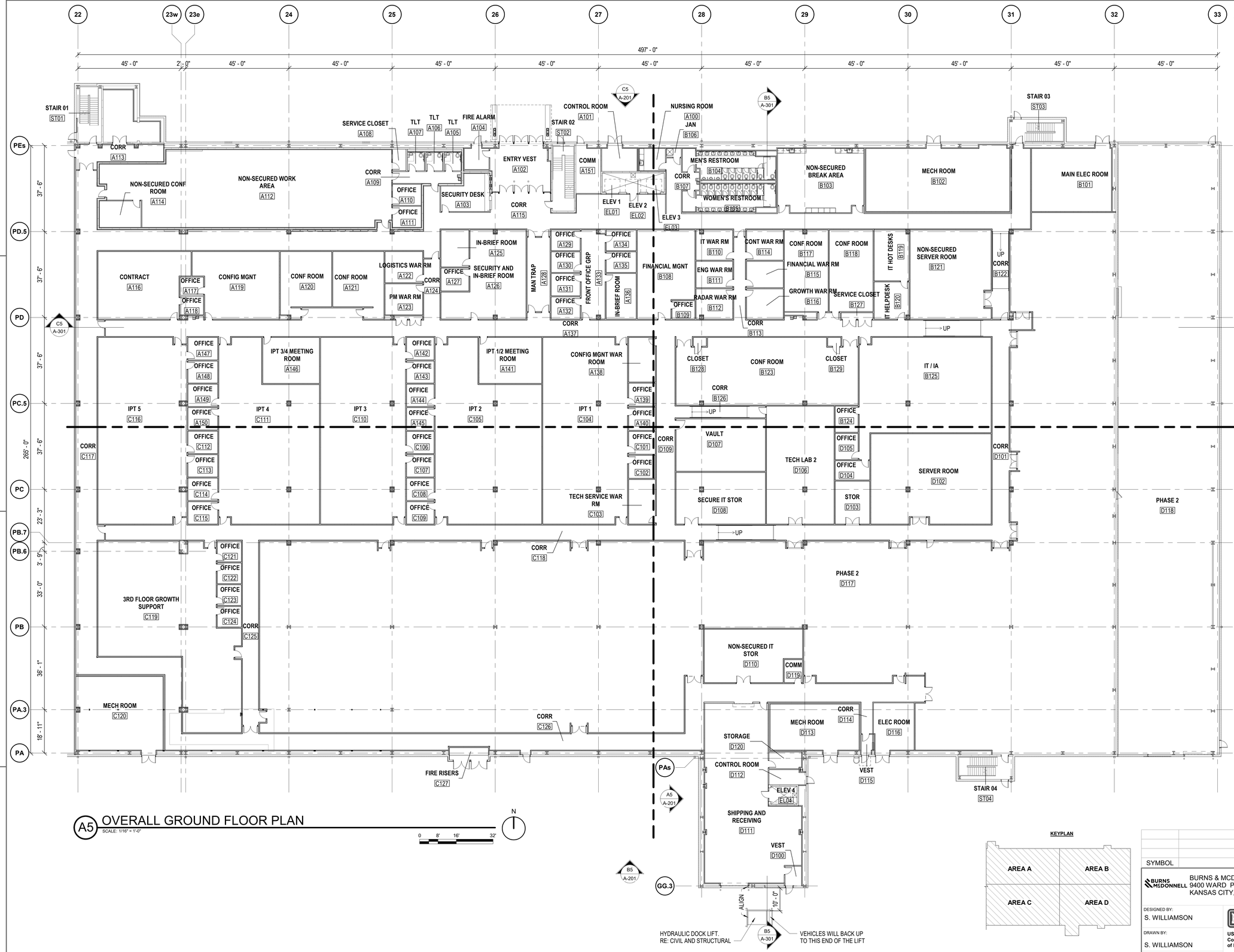
DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

GRILLAGE FLOOR DEMOLITION PLAN AREA - D

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 08/29/18
FILE NUMBER: 104444AD116.DWG

SHEET IDENTIFICATION: AD116
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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A5 OVERALL GROUND FLOOR PLAN

SCALE: 1/16" = 1'-0"

0 8' 16' 32'

N

GENERAL FLOOR PLAN NOTES:

1. FOR ARCHITECTURAL GENERAL NOTES, MATERIAL LEGEND, AND ABBREVIATIONS REFER TO SHEET AG001.
2. REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE RATED WALLS AND SMOKE PARTITIONS ARE CONTINUOUS ACROSS ALL DOOR OPENINGS.
3. FOR PARTITION TYPES CONSTRUCTION AND DESCRIPTION REFER TO PARTITION TYPES SHEET.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE BEGINNING WORK AND FABRICATION. THE ARCHITECT SHALL BE NOTIFIED IN WRITING IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES. IN NO CASE SHALL DIMENSIONS BE SCALED OFF PLANS, SECTIONS, OR DETAILS FROM THESE DRAWINGS.
5. FOR DIMENSIONS OR ADDITIONAL INFORMATION NOT ILLUSTRATED, REFER TO LARGER SCALE DRAWINGS.
6. DOOR LOCATIONS NOT DIMENSIONED ARE 6 INCHES FROM FACE OF GYPSUM BOARD FINISH WALL TO DOOR JAMB FACE. VERIFY THERE IS A PULL SIDE MINIMUM 18 INCHES CLEAR FROM DOOR STRIKE TO INTERSECTING WALL FOR ADA COMPLIANCE. NOTIFY ARCHITECT FOR NON-COMPLIANCE BEFORE SETTING DOOR FRAME AND WALL LOCATIONS.
7. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL MILLWORK TRIM AND INFILL PANELS AT ALL UNDERCOUNTER / CABINET LOCATIONS.
8. REFER TO FINISH SCHEDULE AND FINISH PLANS FOR ADDITIONAL FINISH INFORMATION. ALL FLOOR FINISHES TO BE CONTINUOUS UNDER MILLWORK AND EQUIPMENT UNLESS NOTED OTHERWISE.
9. PROVIDE 18GA METAL PLATE OR FIRE TREATED WOOD BLOCKING IN WALL FOR TOILET FIXTURES, ACCESSORIES, EQUIPMENT, FLOOR AND WALL MOUNTED TOILET PARTITIONS, AND COUNTERTOP MOUNTING SUPPORTS.

C5 A-301

10. REFERENCE CIVIL DRAWINGS FOR EXTERIOR BOLLARD AND SPLASH BLOCK DETAILS.
11. REFERENCE THE REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
12. ALL DIMENSIONS ARE FROM: COLUMN GRID LINE, FACE OF CMU WALL, AND FINISH FACE OF METAL STUD WALL, UNLESS NOTED OTHERWISE.
13. THE FIRST FLOOR FINISHED FLOOR ELEVATION IS 100'-0" UNLESS NOTED OTHERWISE.
14. PROVIDE GYPSUM BOARD HEADER ABOVE ALL CASED OPENINGS, REFERENCE REFLECTED CEILING PLANS.
15. REFERENCE FURNITURE PLANS FOR LOCATIONS OF WALL ACCESSORIES AND VISUAL DISPLAY EQUIPMENT. PROVIDE BLOCKING AS REQUIRED.
16. ALL COLUMNS AND BEAMS IN THE PHASE 1 AREA, EXISTING AND NEW, ARE TO RECEIVE SPRAY-APPLIED CEMENTITIOUS FIREPROOFING TO PROVIDE A 2-HOUR RATING UNLESS NOTED OTHERWISE. COLUMNS TO RECEIVE INTUMESCENT COATING ARE CALLED OUT IN AREA PLANS.

A4 A-201

17. PATCH, INFILL, MAKE LEVEL, AND GRIND SMOOTH AS NEEDED TO MAKE SLABS CONTINUOUS, EVEN, AND SUITABLE FOR NEW FLOORING MATERIAL.
18. WHERE EXISTING DOORS AND FRAMES HAVE BEEN DEMOLISHED AND WILL BE REPLACED WITH NEW DOORS AND FRAMES, REPAIR AND REPLACE MISCELLANEOUS STEEL FRAMING AROUND DOOR FRAME AS REQUIRED.
19. EXISTING CONCRETE FLOORS SHALL HAVE PROJECTING HARDWARE, ADHESIVES, AND DEBRIS REMOVED AND THE FLOOR THOROUGHLY CLEANED. FLOOR SHALL BE PATCHED, INFILLED, GROUND, AND MADE LEVEL AS REQUIRED IN ORDER TO BE SUITABLE FOR NEW FLOORING MATERIAL.

KEYPLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

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CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

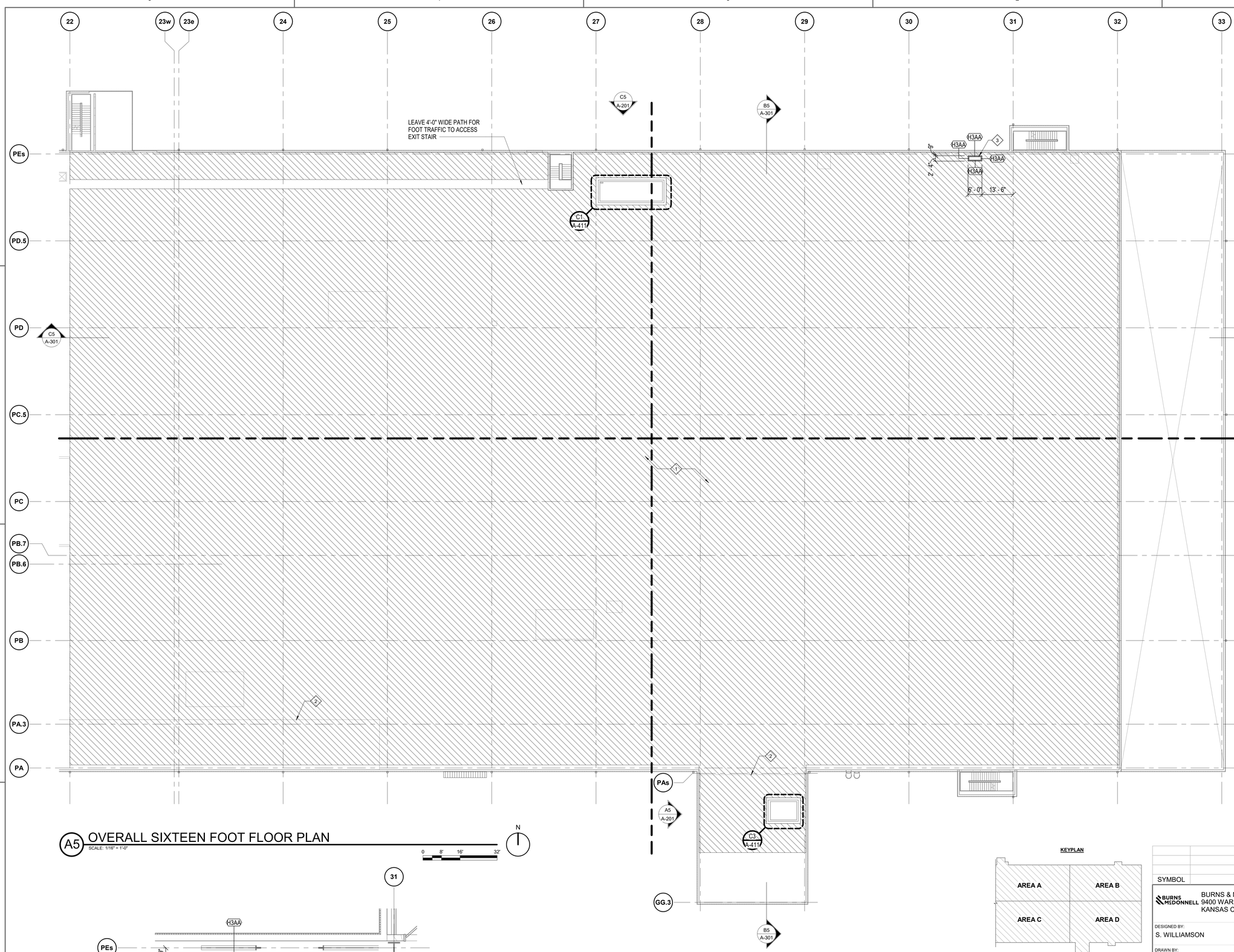
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

OVERALL GROUND FLOOR PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-010.DWG
SHEET IDENTIFICATION: A-010
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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GENERAL FLOOR PLAN NOTES:

1. FOR ARCHITECTURAL GENERAL NOTES, MATERIAL LEGEND, AND ABBREVIATIONS REFER TO SHEET AG001.
2. REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE RATED WALLS AND SMOKE PARTITIONS ARE CONTINUOUS ACROSS ALL DOOR OPENINGS.
3. FOR PARTITION TYPES CONSTRUCTION AND DESCRIPTION REFER TO PARTITION TYPES SHEET.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE BEGINNING WORK AND FABRICATION. THE ARCHITECT SHALL BE NOTIFIED IN WRITING IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES. IN NO CASE SHALL DIMENSIONS BE SCALED OFF PLANS, SECTIONS, OR DETAILS FROM THESE DRAWINGS.
5. FOR DIMENSIONS OR ADDITIONAL INFORMATION NOT ILLUSTRATED, REFER TO LARGER SCALE DRAWINGS.
6. DOOR LOCATIONS NOT DIMENSIONED ARE 6 INCHES FROM FACE OF GYPSUM BOARD FINISH WALL TO DOOR JAMB FACE. VERIFY THERE IS A PULL SIDE MINIMUM 18 INCHES CLEAR FROM DOOR STRIKE TO INTERSECTING WALL FOR ADA COMPLIANCE. NOTIFY ARCHITECT FOR NON-COMPLIANCE BEFORE SETTING DOOR FRAME AND WALL LOCATIONS.
7. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL MILLWORK TRIM AND INFILL PANELS AT ALL UNDERCOUNTER / CABINET LOCATIONS.
8. REFER TO FINISH SCHEDULE AND FINISH PLANS FOR ADDITIONAL FINISH INFORMATION. ALL FLOOR FINISHES TO BE CONTINUOUS UNDER MILLWORK AND EQUIPMENT UNLESS NOTED OTHERWISE.
9. PROVIDE 18GA METAL PLATE OR FIRE TREATED WOOD BLOCKING IN WALL FOR TOILET FIXTURES, ACCESSORIES, EQUIPMENT, FLOOR AND WALL MOUNTED TOILET PARTITIONS, AND COUNTERTOP MOUNTING SUPPORTS.

C5 A-301

10. REFERENCE CIVIL DRAWINGS FOR EXTERIOR BOLLARD AND SPLASH BLOCK DETAILS.
11. REFERENCE THE REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
12. ALL DIMENSIONS ARE FROM: COLUMN GRID LINE, FACE OF CMU WALL, AND FINISH FACE OF METAL STUD WALL, UNLESS NOTED OTHERWISE.
13. THE FIRST FLOOR FINISHED FLOOR ELEVATION IS 100'-0" UNLESS NOTED OTHERWISE.
14. PROVIDE GYPSUM BOARD HEADER ABOVE ALL CASED OPENINGS, REFERENCE REFLECTED CEILING PLANS.
15. REFERENCE FURNITURE PLANS FOR LOCATIONS OF WALL ACCESSORIES AND VISUAL DISPLAY EQUIPMENT. PROVIDE BLOCKING AS REQUIRED.
16. ALL COLUMNS AND BEAMS IN THE PHASE 1 AREA, EXISTING AND NEW, ARE TO RECEIVE SPRAY-APPLIED CEMENTITIOUS FIREPROOFING TO PROVIDE A 2-HOUR RATING UNLESS NOTED OTHERWISE. COLUMNS TO RECEIVE INTUMESCENT COATING ARE CALLED OUT IN AREA PLANS.

A4 A-201

17. PATCH, INFILL, MAKE LEVEL, AND GRIND SMOOTH AS NEEDED TO MAKE SLABS CONTINUOUS, EVEN, AND SUITABLE FOR NEW FLOORING MATERIAL.
18. WHERE EXISTING DOORS AND FRAMES HAVE BEEN DEMOLISHED AND WILL BE REPLACED WITH NEW DOORS AND FRAMES, REPAIR AND REPLACE MISCELLANEOUS STEEL FRAMING AROUND DOOR FRAME AS REQUIRED.
19. EXISTING CONCRETE FLOORS SHALL HAVE PROJECTING HARDWARE, ADHESIVES, AND DEBRIS REMOVED AND THE FLOOR THOROUGHLY CLEANED. FLOOR SHALL BE PATCHED, INFILLED, GROUND, AND MADE LEVEL AS REQUIRED IN ORDER TO BE SUITABLE FOR NEW FLOORING MATERIAL.

SIXTEEN FOOT FLOOR PLAN KEYNOTES:

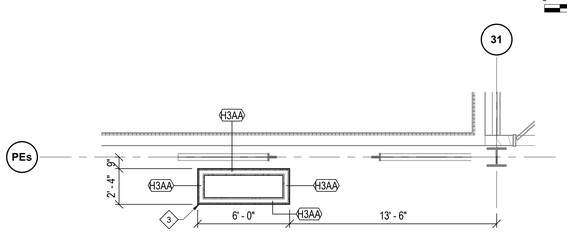
1. INSTALL LOOSE LAID 1" MINERAL FIBER INSULATION ON TOP OF FLOOR SLAB. SET PIECES TIGHT AGAINST EACH OTHER AND TAPE SEAMS AT ALL OF HATCHED AREA.
2. NEW SLAB, RE: STRUCT. PROVIDE 2-HOUR RATED EXPANSION JOINT WITH COMPRESSIBLE GASKET AT GAP BETWEEN NEW AND EXISTING FLOOR SLABS. RE: DETAIL B3/A-351
3. 2-HR RATED SHAFT AROUND MECHANICAL VENTS, RE: MECH. EXTEND TO 10'-0" AFF ABOVE THE FORTY-FOOT FLOOR AND CAP WITH TYPE C3AA 2-HR RATED LID.

A5 OVERALL SIXTEEN FOOT FLOOR PLAN

SCALE: 1/16" = 1'-0"

N

0 8' 16' 32'



A4 FORTY FOOT FLOOR PLAN @ MECH SHAFT

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

N

0 2' 4' 8'

KEYPLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
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TULSA, OKLAHOMA

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REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

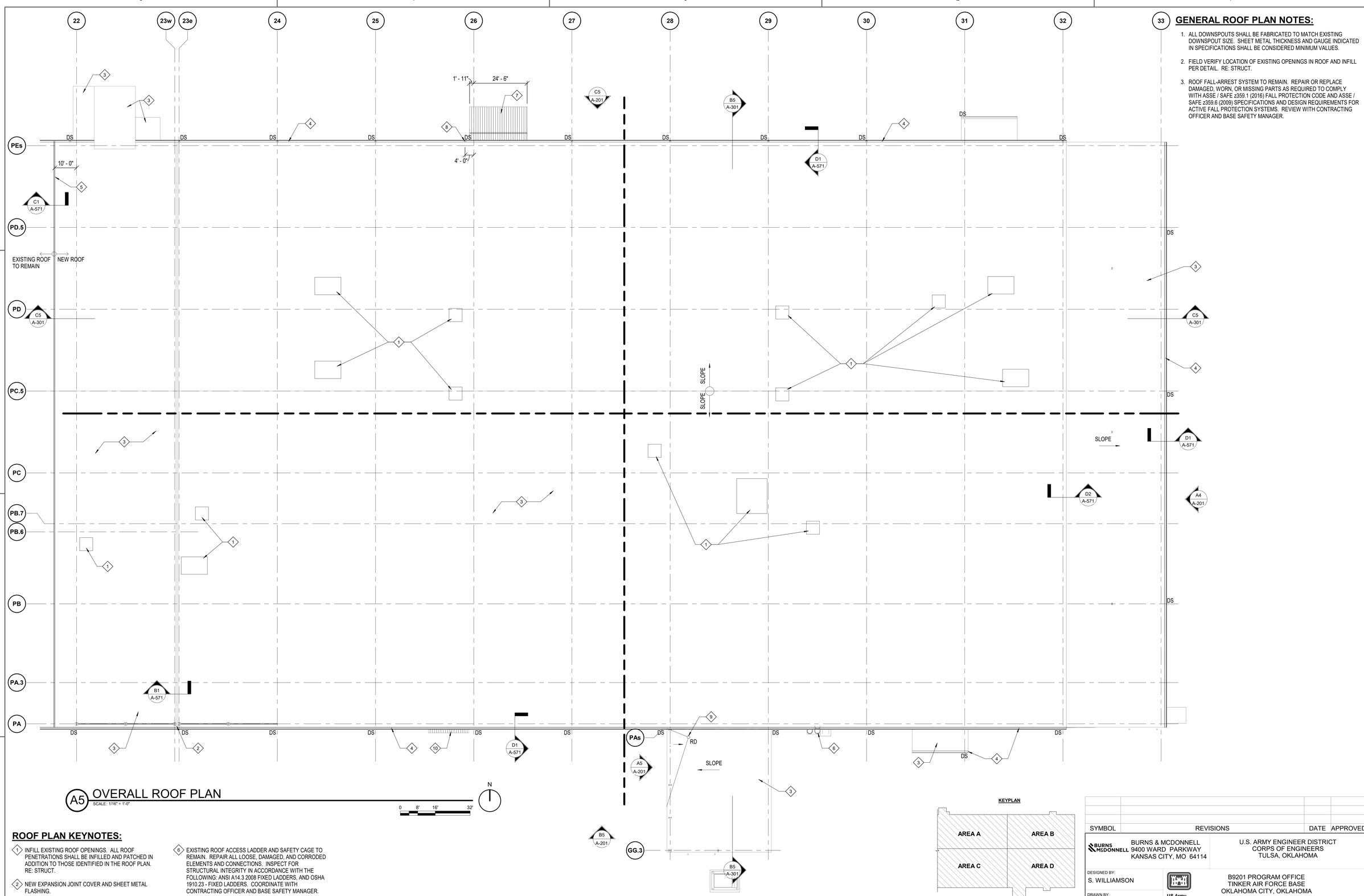
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

OVERALL SIXTEEN FOOT FLOOR PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-011.DWG
SHEET IDENTIFICATION: A-011
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A5 OVERALL ROOF PLAN

SCALE: 1/16" = 1'-0"

0 8' 16' 32'

N

GENERAL ROOF PLAN NOTES:

1. ALL DOWNSPOUTS SHALL BE FABRICATED TO MATCH EXISTING DOWNSPOUT SIZE. SHEET METAL THICKNESS AND GAUGE INDICATED IN SPECIFICATIONS SHALL BE CONSIDERED MINIMUM VALUES.
2. FIELD VERIFY LOCATION OF EXISTING OPENINGS IN ROOF AND INFILL PER DETAIL. RE: STRUCT.
3. ROOF FALL-ARREST SYSTEM TO REMAIN. REPAIR OR REPLACE DAMAGED, WORN, OR MISSING PARTS AS REQUIRED TO COMPLY WITH ASSE / SAFE z359.1 (2016) FALL PROTECTION CODE AND ASSE / SAFE z359.6 (2009) SPECIFICATIONS AND DESIGN REQUIREMENTS FOR ACTIVE FALL PROTECTION SYSTEMS. REVIEW WITH CONTRACTING OFFICER AND BASE SAFETY MANAGER.

ROOF PLAN KEYNOTES:

1. INFILL EXISTING ROOF OPENINGS. ALL ROOF PENETRATIONS SHALL BE INFILLED AND PATCHED IN ADDITION TO THOSE IDENTIFIED IN THE ROOF PLAN. RE: STRUCT.
2. NEW EXPANSION JOINT COVER AND SHEET METAL FLASHING.
3. NEW EPDM ROOFING SYSTEM AND INSULATION.
4. NEW GUTTER TO TIE INTO NEW DOWNSPOUTS.
5. LINE INDICATES EXTENT OF NEW ROOF. INSTALL CURB TO TRANSITION NEW EPDM ROOFING TO EXISTING ROOFING.
6. EXISTING ROOF ACCESS LADDER AND SAFETY CAGE TO REMAIN. REPAIR ALL LOOSE, DAMAGED, AND CORRODED ELEMENTS AND CONNECTIONS. INSPECT FOR STRUCTURAL INTEGRITY IN ACCORDANCE WITH THE FOLLOWING: ANSI A14.3 2008 FIXED LADDERS, AND OSHA 1910.23 - FIXED LADDERS. COORDINATE WITH CONTRACTING OFFICER AND BASE SAFETY MANAGER.
7. STANDING SEAM METAL ROOF OF NEW CANOPY
8. MOVE DOWNSPOUT TO NEW LOCATION. TIE INTO EXISTING CONNECTION UNDERGROUND. SEE CIVIL FOR ADDITIONAL INFORMATION.
9. EXISTING ROOF DRAIN TO REMAIN. MATCH EXISTING ROOF SLOPES AND FLASH NEW ROOFING TO EXISTING DRAIN AS REQUIRED.
10. STANDING SEAM METAL ROOF OF FIRE RISERS ADDITION.

KEYPLAN

AREA A	AREA B
AREA C	AREA D

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BACKCHECK (100%)
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SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
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DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

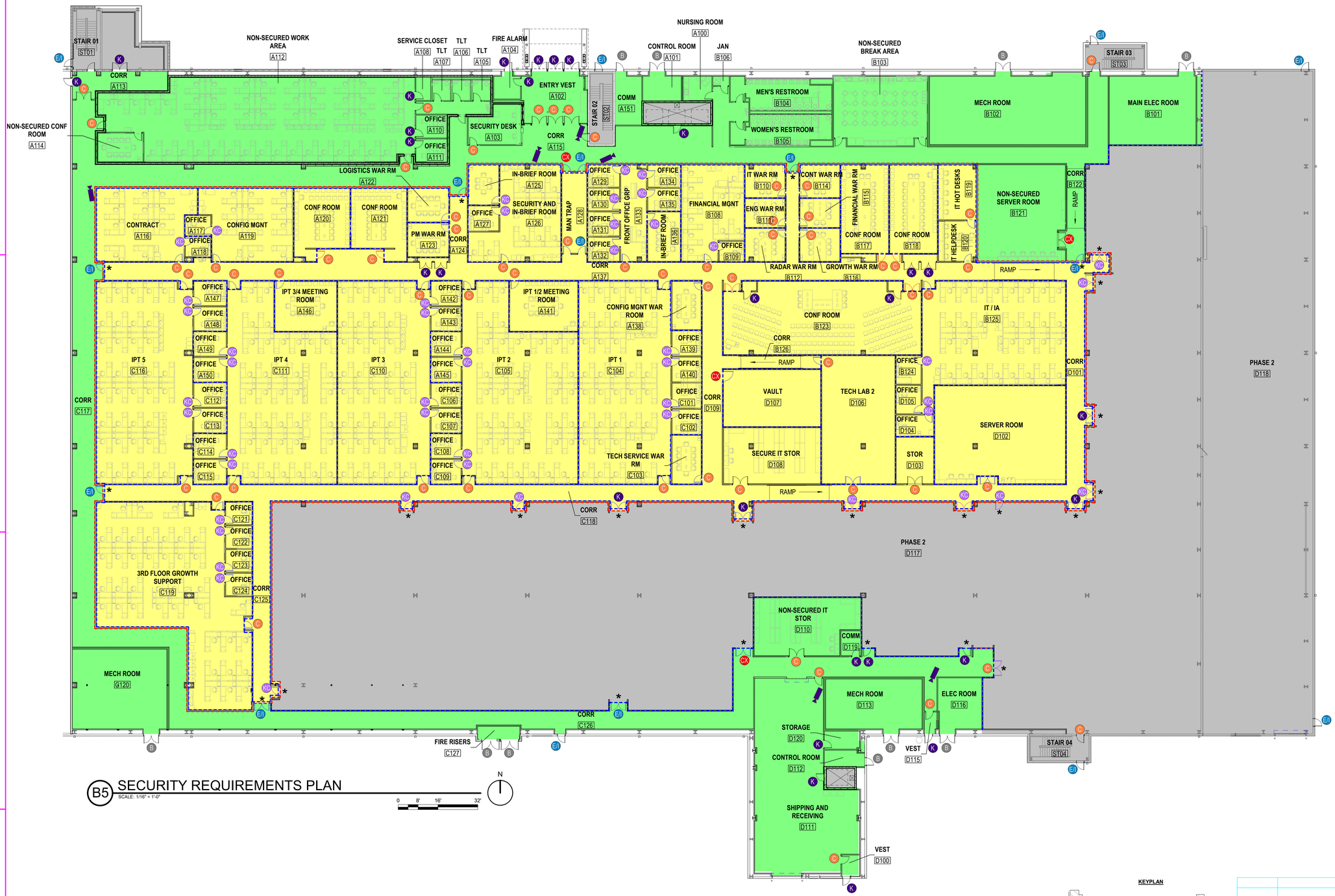
OVERALL ROOF PLAN

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-021.DWG

SHEET IDENTIFICATION: A-021

SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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B5 SECURITY REQUIREMENTS PLAN

SCALE: 1/16" = 1'-0"

PLAN LEGEND

- ICD 705 COMPLIANT SPACE
- CONTROLLED SPACE
- PHASE 2

WALL REQUIREMENTS

- STC 50 MINIMUM
- CONTROLLED BOUNDARY

DOOR ACCESS CONTROL

- EI — EXIT ONLY / IDS
- E — EXIT ONLY
- C — CARD READER
- CX — CARD READER / X-10 LOCK / IDS
- B — BASE MAINTENANCE LOCK
- K — KEYED LOCK
- KC — KEYED LOCK WITH FUTURE CARD READER
- STC-45 DOOR
- STC-50 DOOR
- STC-45 DOOR TO CHANGE HARDWARE AT PHASE 2
- * — AUDIBLE ALARM REQUIRED WHEN EXITING SECURE AREA

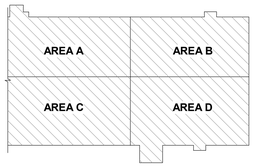
SECURITY DEVICES

- CAMERA

GENERAL NOTES

1. THE SECURITY PLANS ARE CONCEPTUAL. THE FINAL DESIGN SHALL BE COORDINATED WITH THE ACCREDITING AUTHORITY AND BASE SECURITY DURING THE DESIGN PHASE.
2. ALL WALL REQUIREMENTS, ACCESS CONTROL REQUIREMENTS, DOOR STC REQUIREMENTS, AND SECURITY DEVICES AND LOCATIONS MUST MEET ICD/ICS 705-1. COORDINATE WITH THE ACCREDITING AUTHORITY AND BASE SECURITY DURING THE DESIGN PHASE.
3. THE CONTROLLED SPACES MUST MEET LIFE SAFETY EGRESS REQUIREMENTS. SECURITY HARDWARE MUST CONFORM TO NFPA 101 LIFE SAFETY CODE.
4. ALL WALL CONSTRUCTION IN ICD 705 COMPLIANT SHALL BE CONSTRUCTED FROM FLOOR TO DECK. WALLS SHALL BE FINISHED AND PAINTED THE FULL HEIGHT. DRYWALL SHALL BE SCRIBED TO THE PROFILE OF THE DECK.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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KANSAS CITY, MO 64114

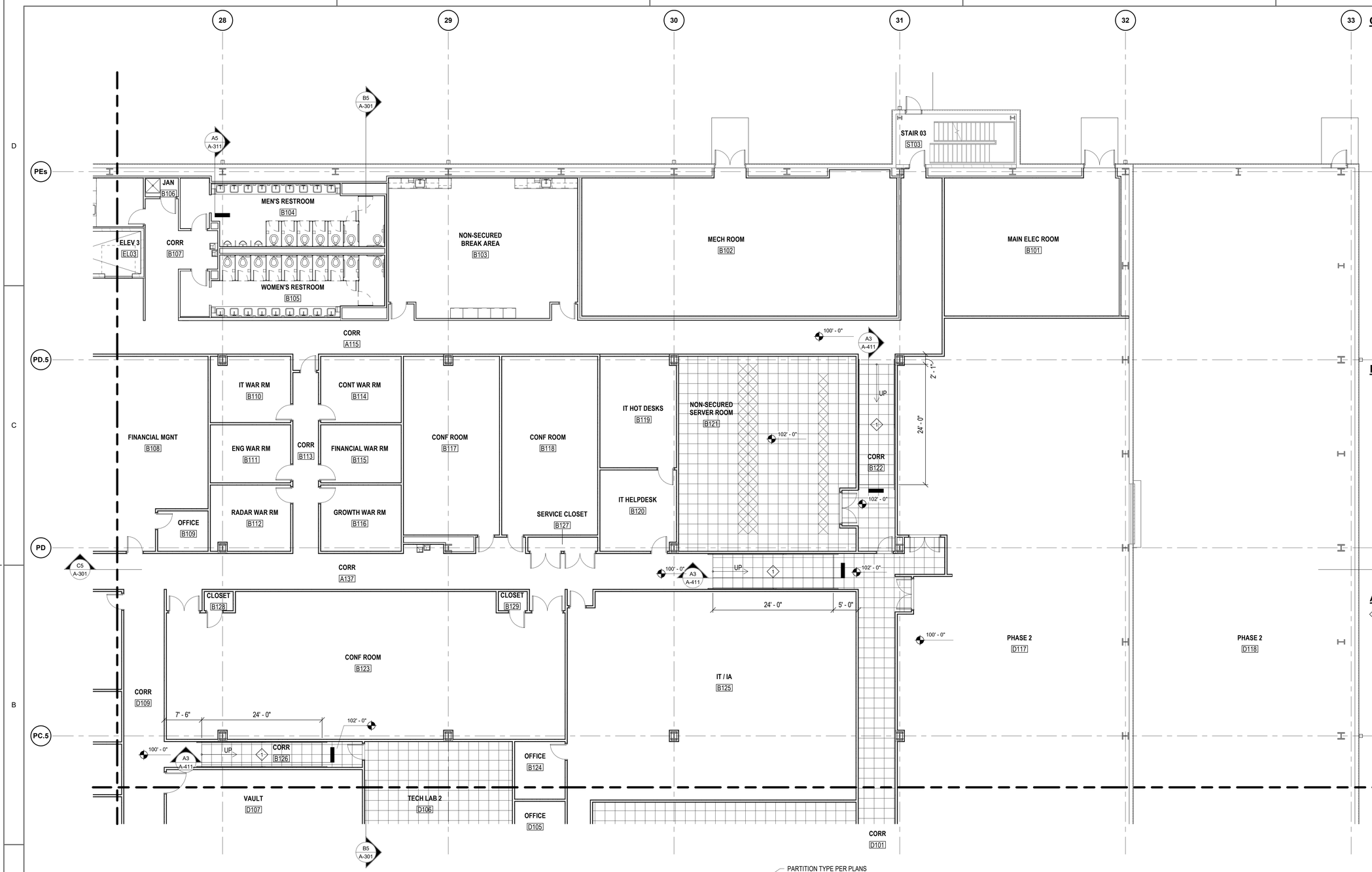
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CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

SECURITY REQUIREMENTS PLAN

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/16/18
FILE NUMBER:	104444A-030.DWG
SHEET IDENTIFICATION	A-030
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
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A5 ACCESS FLOOR SYSTEM PLAN GROUND FLOOR AREA - B

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

0 4' 8' 16'

N

GENERAL ACCESS FLOOR PLAN NOTES:

1. TYPICAL ACCESS FLOOR SYSTEM HEIGHT IS 24" ABOVE EXISTING CONCRETE SLAB UNLESS NOTED OTHERWISE.
2. REFERENCE DRAWING A-701 FOR ROOM FINISH SCHEDULES & MATERIAL LEGEND FOR THE ACCESS FLOOR SYSTEM PANEL FINISH AND THE FINISH FLOOR MATERIAL.
3. THE ACCESS FLOOR SYSTEM INCORPORATES DATA, POWER, AIR DISTRIBUTION, AND PLUMBING DISCIPLINES. COORDINATION IS REQUIRED BETWEEN THE GENERAL CONTRACTOR, SUBCONTRACTORS, CONTRACTING OFFICER, AND RAISED ACCESS FLOORING INSTALLER.
4. REFERENCE DRAWINGS A-501 THRU A-502 FOR PARTITION TYPES AND ACCESS FLOOR SYSTEM DETAILS AND REQUIREMENTS AT PARTITION WALLS.
5. ALL CIRCULAR, RECTANGULAR, OR IRREGULAR CUTOUTS IN ACCESS FLOOR SYSTEM PANELS TO ACCOMMODATE CABLE, WIRE, CONDUIT, PIPE, STRUCTURAL MEMBER, OR OTHER PENETRATING OBJECT SHALL HAVE PROTECTIVE TRIM ALONG THE CUT EDGE FOR THE FULL THICKNESS OF THE PANEL. PROTECTIVE TRIM SHALL BE THE ACCESS FLOOR MANUFACTURER'S UNIVERSAL PROTECTIVE CUTOUT TRIM, GROMMETS, OR FOAM SEALS TO MINIMIZE DUST OR DIRT ACCUMULATION ON THE UNDERFLOOR SYSTEMS.
6. INSTALL MANUFACTURER'S STANDARD COMPRESSIBLE GASKET AT EDGES OF ACCESS FLOORING PANELS WHERE THEY MEET WALL IN ORDER TO ENSURE A TIGHT FIT AND AVOID AIR LEAKAGE.
7. ALL WALL PENETRATIONS BELOW ACCESS FLOORING MUST BE CAULKED AND SEALED TIGHT IN ORDER TO AVOID AIR LEAKAGE INTO WALL CAVITY. CONTRACTING OFFICER TO INSPECT ALL WALLS BELOW ACCESS FLOORING PRIOR TO FLOOR PANEL INSTALLATION. COORDINATE WITH CONTRACTING OFFICER.
8. SEE A3/A-041 FOR TYPICAL ACCESS FLOOR DETAIL.

RAISED FLOOR LEGEND:

ACCESS FLOOR SYSTEM NOMINAL 2' x 2' PANELS.
TYPICAL ACCESS FLOOR PANEL IS AFS-1 UNLESS NOTED OTHERWISE.

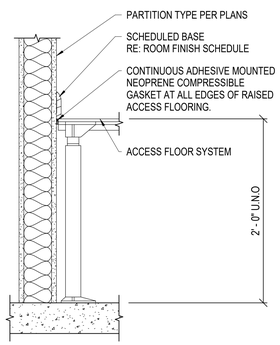
AFS-1 ACCESS FLOOR SYSTEM

AFS-2 ACCESS FLOOR SYSTEM
AIR SUPPLY PANELS

102' - 0" FINISH FLOOR ELEVATION OF ACCESS FLOOR

ACCESS FLOOR PLAN KEYNOTES:

1 RAMP AND HANDRAILS TO BE PROVIDED BY ACCESS FLOOR SYSTEM MFR.



A3 TYP ACCESS FLOOR DETAIL

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

0 1/2' 1' 1 1/2'

KEYPLAN

AREA A	AREA B
AREA C	AREA D

CORRECTED FINAL
BACKCHECK (100%)
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REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

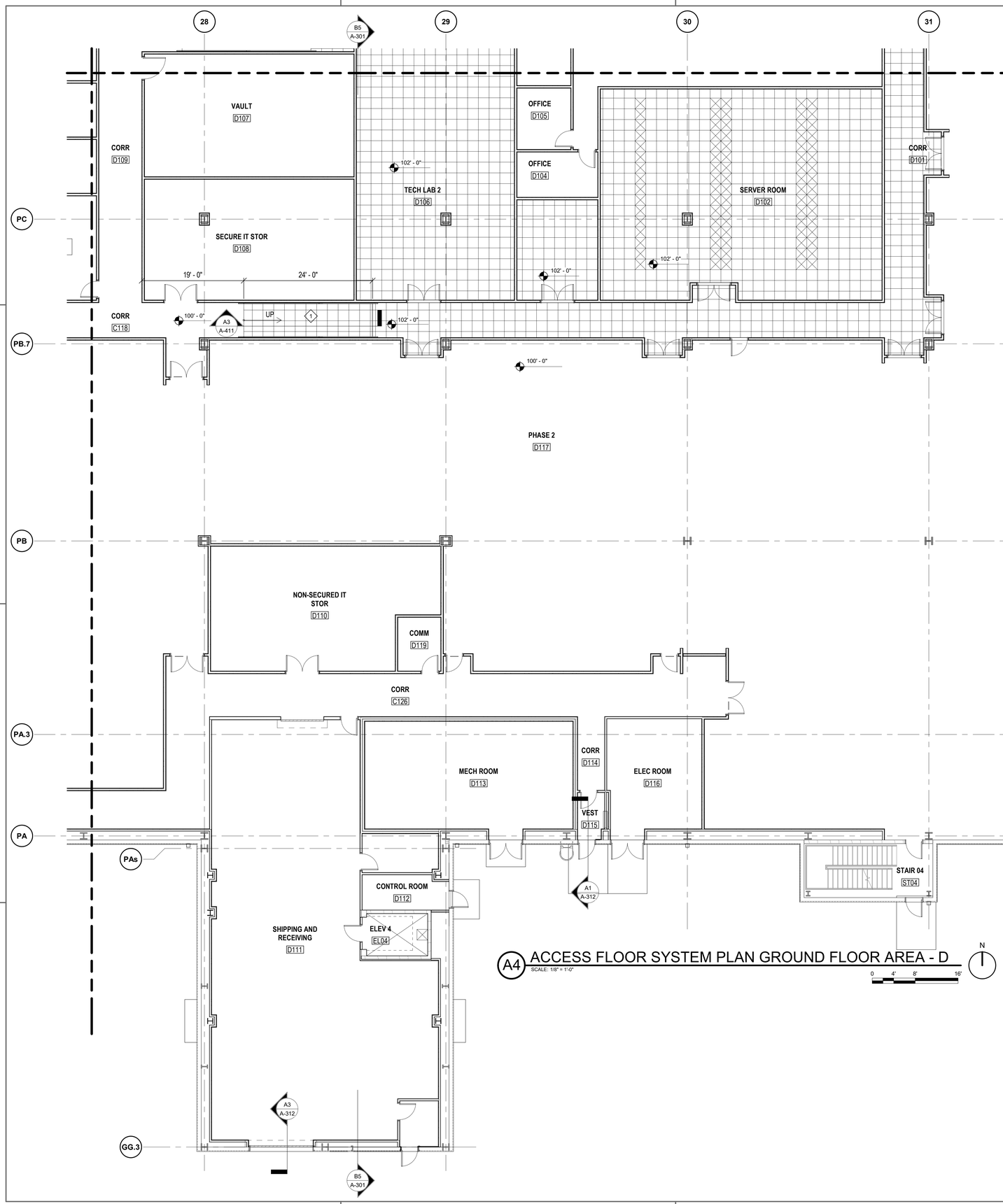
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ACCESS FLOOR SYSTEM PLAN - GROUND FLOOR AREA -B

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/09/18
FILE NUMBER: 104444A-041.DWG
SHEET IDENTIFICATION: A-041
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A4 ACCESS FLOOR SYSTEM PLAN GROUND FLOOR AREA - D

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

0 4' 8' 16'

N

GENERAL ACCESS FLOOR PLAN NOTES:

1. TYPICAL ACCESS FLOOR SYSTEM HEIGHT IS 24" ABOVE EXISTING CONCRETE SLAB UNLESS NOTED OTHERWISE.
2. REFERENCE DRAWING A-701 FOR ROOM FINISH SCHEDULES & MATERIAL LEGEND FOR THE ACCESS FLOOR SYSTEM PANEL FINISH AND THE FINISH FLOOR MATERIAL.
3. THE ACCESS FLOOR SYSTEM INCORPORATES DATA, POWER, AIR DISTRIBUTION, AND PLUMBING DISCIPLINES. COORDINATION IS REQUIRED BETWEEN THE GENERAL CONTRACTOR, SUBCONTRACTORS, CONTRACTING OFFICER, AND RAISED ACCESS FLOORING INSTALLER.
4. REFERENCE DRAWINGS A-501 THRU A-502 FOR PARTITION TYPES AND ACCESS FLOOR SYSTEM DETAILS AND REQUIREMENTS AT PARTITION WALLS.
5. ALL CIRCULAR, RECTANGULAR, OR IRREGULAR CUTOUTS IN ACCESS FLOOR SYSTEM PANELS TO ACCOMMODATE CABLE, WIRE, CONDUIT, PIPE, STRUCTURAL MEMBER, OR OTHER PENETRATING OBJECT SHALL HAVE PROTECTIVE TRIM ALONG THE CUT EDGE FOR THE FULL THICKNESS OF THE PANEL. PROTECTIVE TRIM SHALL BE THE ACCESS FLOOR MANUFACTURER'S UNIVERSAL PROTECTIVE CUTOUT TRIM, GROMMETS, OR FOAM SEALS TO MINIMIZE DUST OR DIRT ACCUMULATION ON THE UNDERFLOOR SYSTEMS.
6. INSTALL MANUFACTURER'S STANDARD COMPRESSIBLE GASKET AT EDGES OF ACCESS FLOORING PANELS WHERE THEY MEET WALL IN ORDER TO ENSURE A TIGHT FIT AND AVOID AIR LEAKAGE.
7. ALL WALL PENETRATIONS BELOW ACCESS FLOORING MUST BE CAULKED AND SEALED TIGHT IN ORDER TO AVOID AIR LEAKAGE INTO WALL CAVITY. CONTRACTING OFFICER TO INSPECT ALL WALLS BELOW ACCESS FLOORING PRIOR TO FLOOR PANEL INSTALLATION. COORDINATE WITH CONTRACTING OFFICER.
8. SEE A3/A-041 FOR TYPICAL ACCESS FLOOR DETAIL.

RAISED FLOOR LEGEND:

ACCESS FLOOR SYSTEM NOMINAL 2' x 2' PANELS.
TYPICAL ACCESS FLOOR PANEL IS AFS-1 UNLESS NOTED OTHERWISE.

AFS-1 ACCESS FLOOR SYSTEM

AFS-2 ACCESS FLOOR SYSTEM
AIR SUPPLY PANELS

102' - 0" FINISH FLOOR ELEVATION OF ACCESS FLOOR

ACCESS FLOOR PLAN KEYNOTES:

1 RAMP AND HANDRAILS TO BE PROVIDED BY ACCESS FLOOR SYSTEM MFR.

KEYPLAN

AREA A | AREA B
AREA C | AREA D

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ACCESS FLOOR SYSTEM PLAN - GROUND FLOOR AREA -D

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 03/09/18
FILE NUMBER: 104444A-042.DWG
SHEET IDENTIFICATION: A-042
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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AREA FLOOR PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

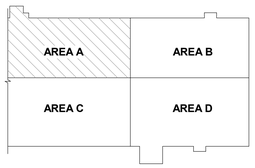
1. FIELD VERIFY LOCATION OF EXISTING FIRE RISERS.
2. NEW FLOOR SLAB TO INFILL EXISTING OPENING. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL SLAB AND VAPOR BARRIER INFORMATION.
3. RECESSED PHONE LOCKERS. REFER TO SPECIFICATIONS FOR UNIT SIZE.
4. INFILL EXISTING OPENING WITH INSULATED METAL PANEL TO MATCH ADJACENT EXISTING WALL.
5. BOLLARDS. SEE CIVIL DETAILS FOR BOLLARD INFORMATION.
6. METAL AWNING
7. PROVIDE TEMPORARY FIRE-TREATED PLYWOOD CLOSURE WITH MAN DOOR TO COVER EXISTING OPENING. CONTRACTOR TO PROVIDE HARDWARE.
8. PROVIDE TEMPORARY STAIRS (OR RAMP) AND HAND RAILS.
9. GRID HATCH INDICATES LOCATION OF RAISED ACCESS FLOORING. SEE A-041 AND A-042 FOR ADDITIONAL INFORMATION.
10. MOVE DOWNSPOUT TO NEW LOCATION. TIE INTO EXISTING CONNECTION UNDERGROUND. SEE CIVIL FOR ADDITIONAL INFORMATION.
11. NEW COLUMNS INDICATED ARE TO RECEIVE INTUMESCENT PAINT TO PROVIDE 2 HOUR RATING; UL LISTING X642. REFER TO SPECIFICATIONS.
12. NEW COLUMNS INDICATED ARE TO RECEIVE SPRAY-APPLIED FIREPROOFING TO PROVIDE 2 HOUR RATING; UL LISTING X784.
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14. PROVIDE EDGE PROFILES IN GYPSUM BOARD BESIDE DOOR ON CORRIDOR SIDE OF THE WALL PER DETAILS A4 & A5/A-452.
15. SURFACE-MOUNT ADA DOOR OPERATOR BUTTON ON SHEET METAL CLADDING.
16. METAL WALL PANEL TO BE SUPPORTED BY 8" METAL STUDS PER COLD-FORMED STEEL SUPPLIER IN ACCORDANCE WITH 05 40 00. RE: STRUCT. FOR DESIGN REQUIREMENTS.
17. REPAIR AND REPLACE EXTERIOR WALL AS REQUIRED TO CONSTRUCT STORM SHELTER.

A5 GROUND FLOOR PLAN AREA - A
SCALE: 1/8" = 1'-0"

N

0 4' 8' 16'

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

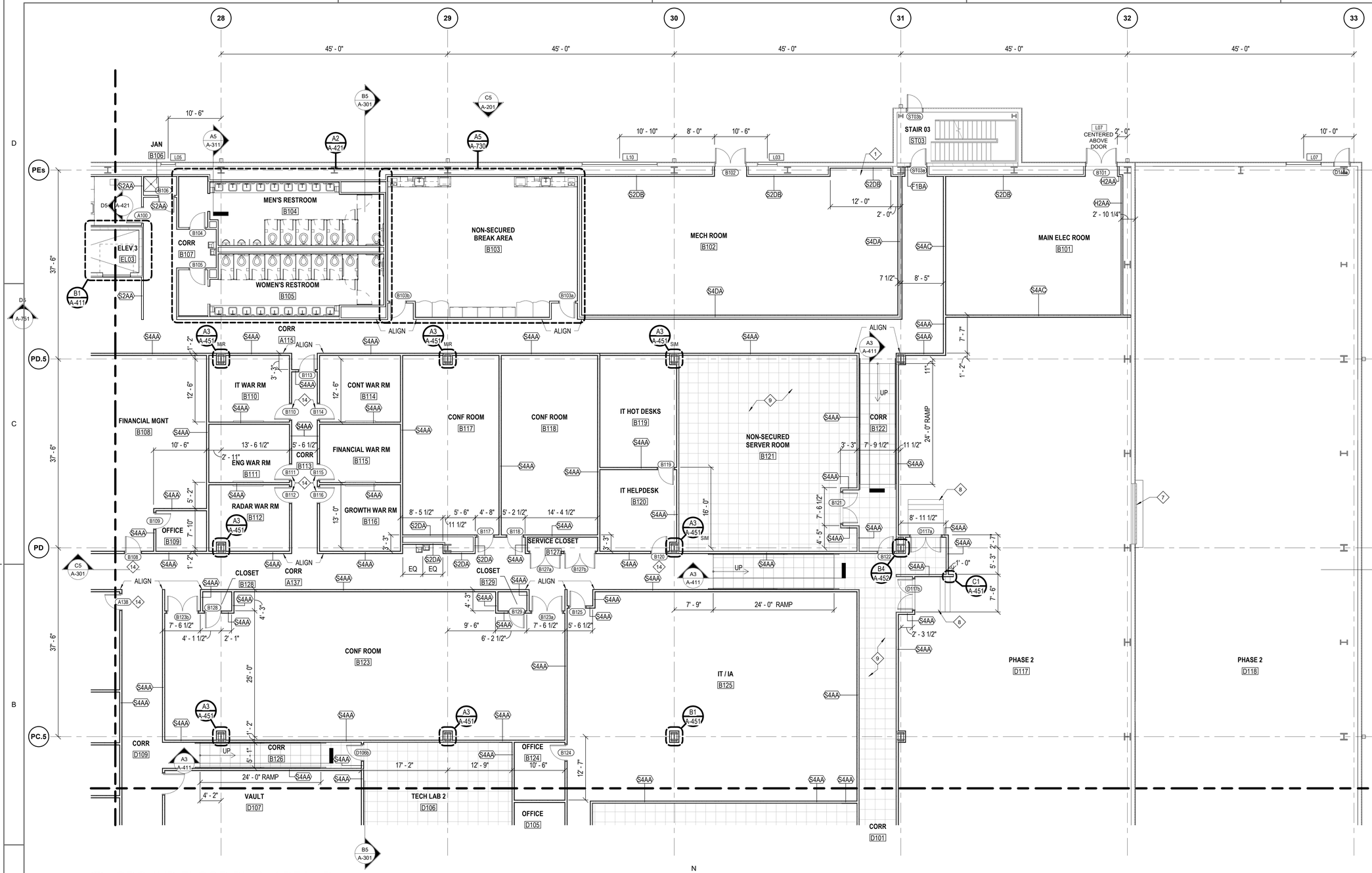
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR PLAN AREA - A

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-101.DWG
SHEET IDENTIFICATION: A-101
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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AREA FLOOR PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

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17. REPAIR AND REPLACE EXTERIOR WALL AS REQUIRED TO CONSTRUCT STORM SHELTER.

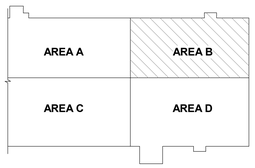
A5 GROUND FLOOR PLAN AREA - B

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

0 4' 8' 16'

N

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

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CORPS OF ENGINEERS
TULSA, OKLAHOMA

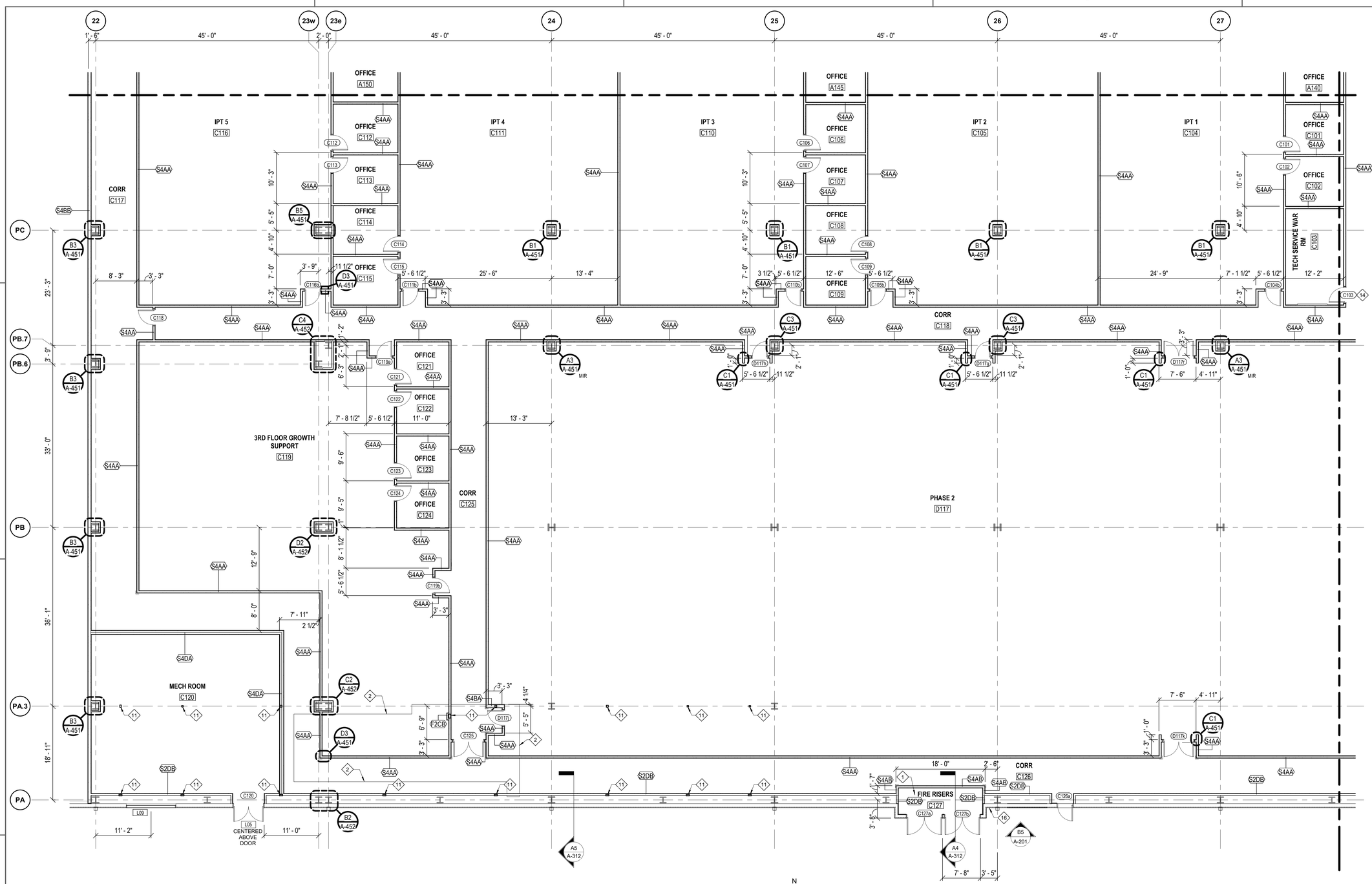
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GROUND FLOOR PLAN AREA - B

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/20/17
FILE NUMBER:	104444A-102.DWG
SHEET IDENTIFICATION	A-102
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
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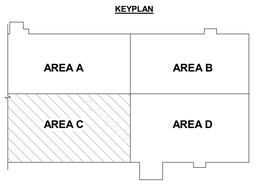
A5 GROUND FLOOR PLAN AREA - C

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

0 4' 8' 16'

N

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

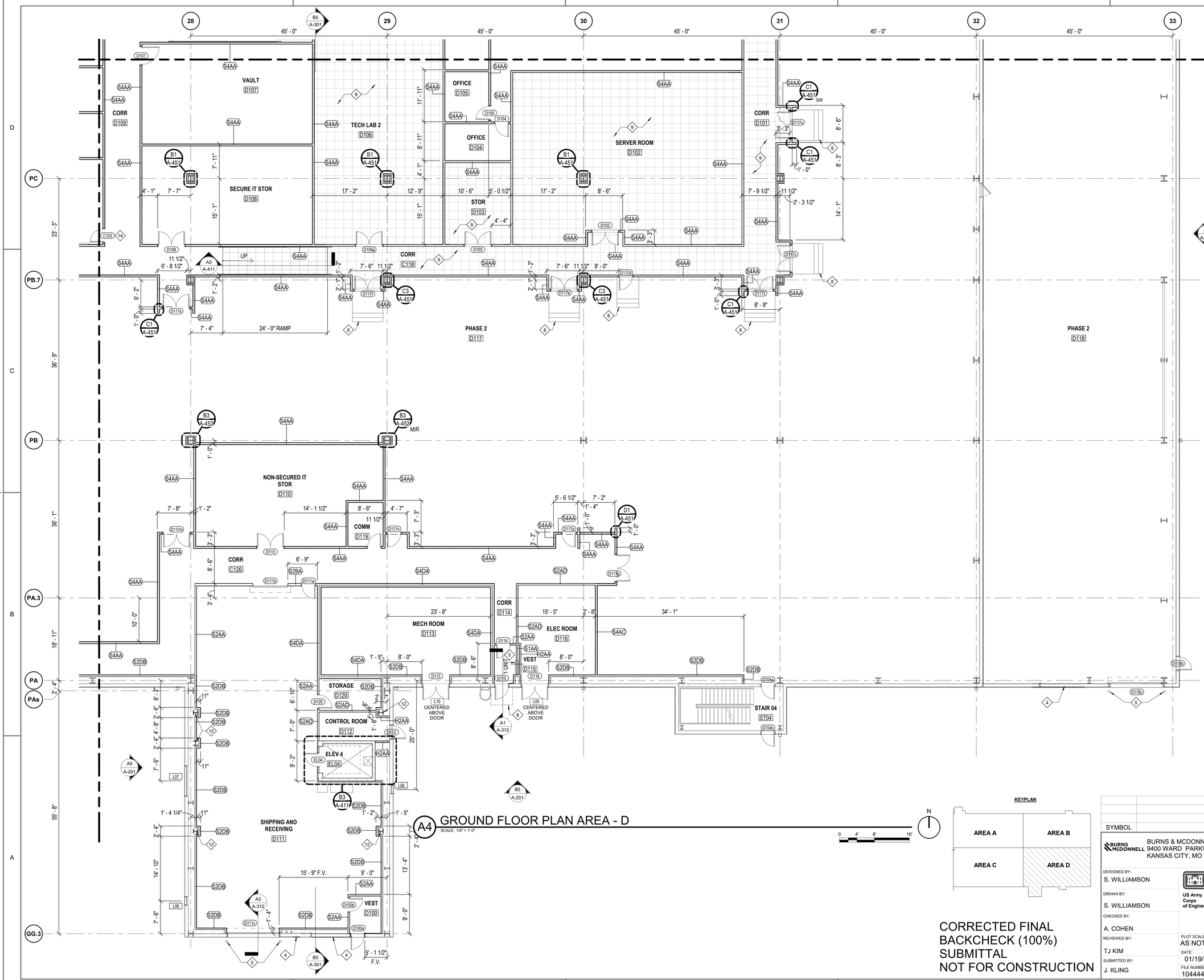
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR PLAN AREA - C

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 01/19/18
FILE NUMBER: 104444A-103.DWG
SHEET IDENTIFICATION: A-103
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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AREA FLOOR PLAN KEYNOTES:

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A4 GROUND FLOOR PLAN AREA - D

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

0 4' 8' 16'

KEYPLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR PLAN AREA - D

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 01/19/18
FILE NUMBER: 104444A-104.DWG
SHEET IDENTIFICATION: A-104
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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GENERAL REFLECTED CEILING PLAN NOTES:

1. FOR ARCHITECTURAL GENERAL NOTES, MATERIAL LEGEND, AND ABBREVIATIONS REFER TO SHEET AG001.
2. ARCHITECTURAL CEILING PLANS INDICATE DIMENSIONING AND PLACEMENT OF VARIOUS CEILING MOUNTED DEVICES. REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR ALL OTHER INFORMATION FOR MEP SYSTEMS INCLUDING BUT NOT LIMITED TO FIRE SUPPRESSION, FIRE ALARM DEVICES, SECURITY DEVICES, EXIT DEVICES, DIFFUSERS, LIGHTING, LIGHTING CONTROL DEVICES, AND ACCESS PANELS.
3. CEILING HEIGHTS ARE SHOWN TO HEIGHT ABOVE FINISH FLOOR.
4. ALL CEILING GRIDS AND 2x2 CLOUDS TO BE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
5. ALL LIGHTS, SPEAKERS, SPRINKLERS, SIGNAGE, STROBES AND OTHER HARDWARE INSTALLED IN TILED CEILING SYSTEMS TO BE CENTERED IN TILES IN BOTH DIRECTIONS UNLESS NOTED OTHERWISE.
6. ALIGN ALL CEILING MOUNTED DEVICES.
7. REFERENCE ROOM FINISH SCHEDULE FOR ADDITIONAL CEILING FINISH INFORMATION.
8. CEILING MOUNTED EXIT SIGNS TO BE CENTERED WITHIN DOOR FRAME OR OPENING. MOUNT 4" OFF FACE OF WALL.
9. ALL SPRINKLERS, JUNCTION BOXES & SMOKE DETECTORS TO ALIGN WITH ADJACENT LIGHT FIXTURES, UNLESS NOTED OTHERWISE.
10. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH THE FINAL LOCATIONS OF MECHANICAL EQUIPMENT AS REQUIRED TO SERVICE EQUIPMENT AND TO PROVIDE ACCESS TO ALL ABOVE CEILING EQUIPMENT.
11. AT CONTINUOUS RUNS OF GYPSUM BOARD ASSEMBLIES, PROVIDE CONTROL JOINTS AT A MAXIMUM OF (1) PER 50 FEET, NOT TO EXCEED INDIVIDUAL AREAS OF 2,500 SQUARE FEET.
12. MOISTURE RESISTANT GYPSUM BOARD SHALL BE USED IN SOFFITS AND CEILINGS OF RESTROOMS AND OTHER WET AREAS.
13. ALL COLUMNS AND BEAMS IN THE PHASE 1 AREA, EXISTING AND NEW, ARE TO RECEIVE SPRAY-APPLIED CEMENTITIOUS FIREPROOFING TO PROVIDE A 2-HOUR RATING UNLESS NOTED OTHERWISE. COLUMNS TO RECEIVE INTUMESCENT COATING ARE CALLED OUT IN AREA PLANS.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE LAYOUT AND SEQUENCING OF OVERHEAD WORK AMONG ALL SUBCONTRACTORS PRIOR TO INSTALLATION IN ORDER TO MEET THE LAYOUTS SHOWN IN THE REFLECTED CEILING PLANS.

A5 GROUND FLOOR REFLECTED CEILING PLAN
SCALE: 1/16" = 1'-0"

0 8' 16' 32'

N

KEYPLAN

AREA A | AREA B
AREA C | AREA D

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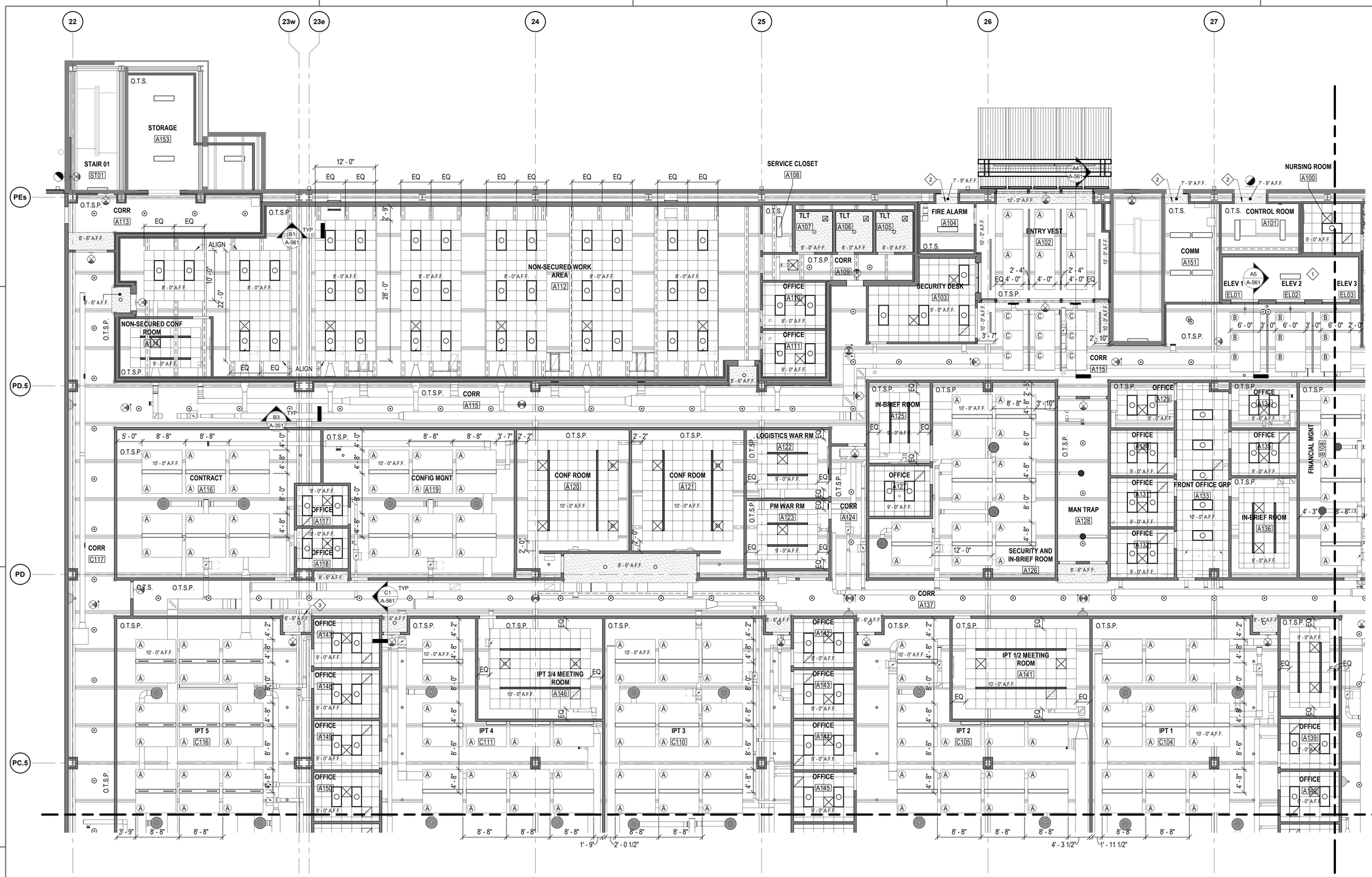
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

OVERALL GROUND FLOOR REFLECTED CEILING PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-151.DWG
SHEET IDENTIFICATION: A-151
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CEILING LEGEND:

- SUSPENDED ACOUSTIC CEILING PANEL
- 2' x 2' ACOUSTICAL CEILING TILE
- GYPSUM BOARD - PAINT PER SPECS
- O.T.S.P. — OPEN TO STRUCTURE-PAINTED. RE: SPEC SECTION 09 90 00
- O.T.S. — OPEN TO STRUCTURE
- 2 HR RATED ASSEMBLY AT CEILING & STRUCTURE
- STRUCTURAL STEEL BEAM - PAINT
- FLUORESCENT FIXTURE - WALL MOUNTED
- 1' x 4' FLUORESCENT EMERGENCY FIXTURE - SUSPENDED
- 1' x 4' FLUORESCENT FIXTURE - SUSPENDED
- 2' x 4' FLUORESCENT EMERGENCY FIXTURE - RECESSED
- 2' x 4' FLUORESCENT FIXTURE - RECESSED
- 2' x 2' FLUORESCENT FIXTURE - RECESSED
- 4" STRIP LIGHT - RECESSED
- COVE LIGHT
- RECESSED LIGHT
- SUSPENDED CAN LIGHT
- WALL MOUNTED EXTERIOR LIGHT FIXTURE
- 10' - 0" — CEILING HEIGHT ABOVE FINISH FLOOR
- HVAC AIR SUPPLY GRILLE
- HVAC LINEAR AIR SUPPLY GRILLE
- HVAC EXHAUST OR RETURN GRILLE
- HIGH EXPANSION FOAM GENERATOR
- EXTERIOR FIXTURE
- EXIT SIGN
- SECURITY CAMERA
- CABLE TRAY
- CEILING MOUNTED OVERHEAD PROJECTOR (OHP)
- WALL-MOUNTED FULL DOME CONVEX SAFETY MIRROR, SEE SPEC SECTION 08 81 00. MOUNT BOTTOM OF DOME AT 8'-0" AFF.

ACOUSTIC CEILING PANEL TYPES:

- (A) TYPE A - 4' x 8'
- (B) TYPE B - 4' x 6'
- (C) TYPE C - 4' x 4'

A5 GROUND FLOOR REFLECTED CEILING PLAN AREA -A

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

0 4' 8' 16'

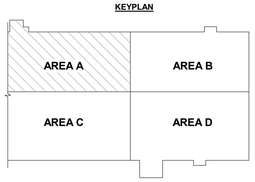
N

REFLECTED CEILING PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

1. PROVIDE HORIZONTAL 2-HR RATED SHAFT WALL AT SIXTEEN FOOT FLOOR, TYPE C3AA, TO FILL NEW HOLE CUT IN SIXTEEN FOOT FLOOR SLAB.
2. RETURN SOFFIT TO STRUCTURE ABOVE.
3. EXPANSION JOINT, RE: DETAIL D1/A-561

KEYPLAN



CORRECTED FINAL BACKCHECK (100%) SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

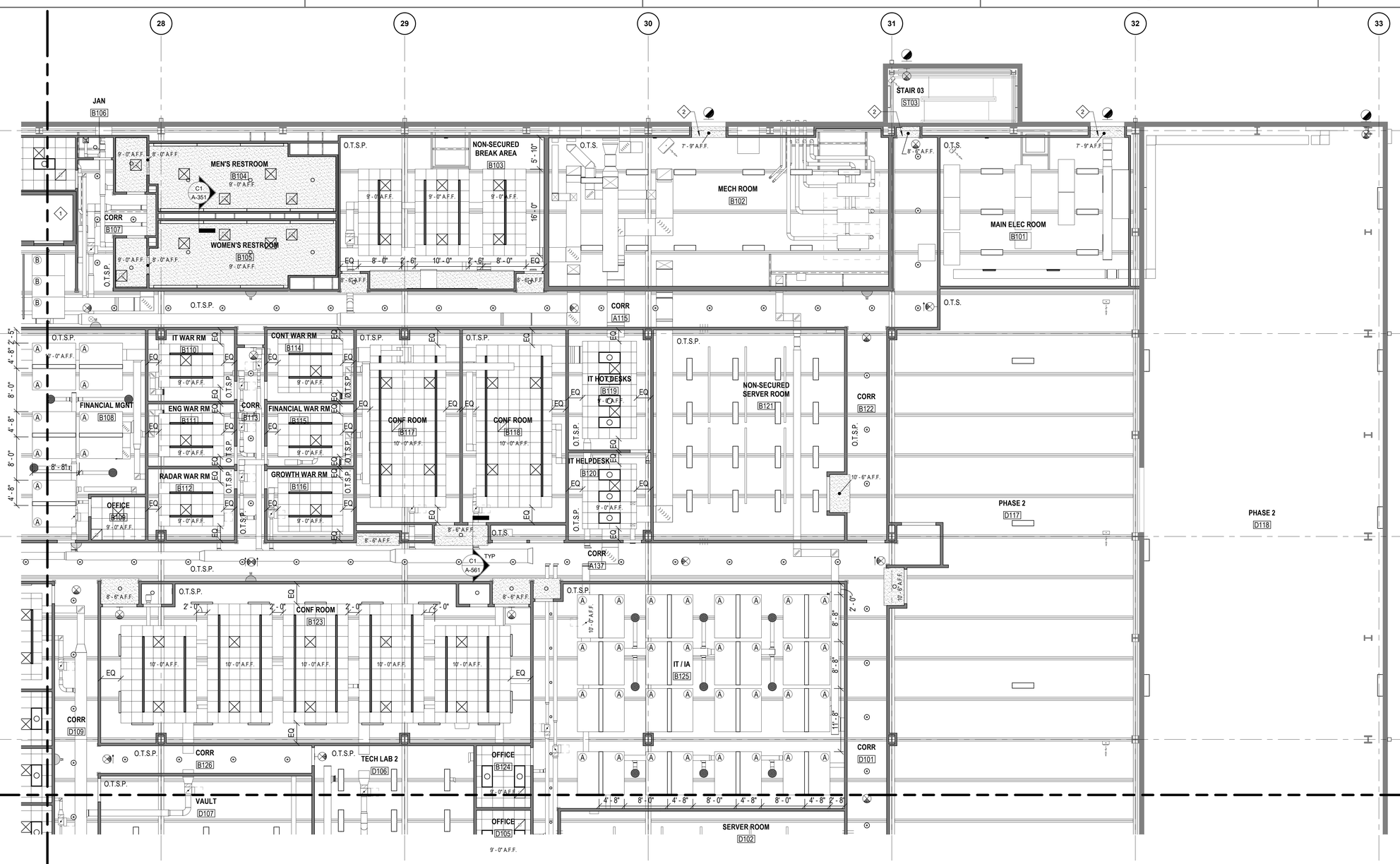
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR REFLECTED CEILING PLAN AREA - A

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-161.DWG
SHEET IDENTIFICATION: A-161
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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B5 GROUND FLOOR REFLECTED CEILING PLAN AREA -B

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

0 4' 8' 16'

N

CEILING LEGEND:

- SUSPENDED ACOUSTIC CEILING PANEL
- 2' x 2' ACOUSTICAL CEILING TILE
- GYPSUM BOARD - PAINT PER SPECS
- O.T.S.P. — OPEN TO STRUCTURE-PAINTED. RE: SPEC SECTION 09 90 00
- O.T.S. — OPEN TO STRUCTURE
- 2 HR RATED ASSEMBLY AT CEILING & STRUCTURE
- STRUCTURAL STEEL BEAM - PAINT
- FLUORESCENT FIXTURE - WALL MOUNTED
- 1' x 4' FLUORESCENT EMERGENCY FIXTURE - SUSPENDED
- 1' x 4' FLUORESCENT FIXTURE - SUSPENDED
- 2' x 4' FLUORESCENT EMERGENCY FIXTURE - RECESSED
- 2' x 4' FLUORESCENT FIXTURE - RECESSED
- 2' x 2' FLUORESCENT FIXTURE - RECESSED
- 4" STRIP LIGHT - RECESSED
- COVE LIGHT
- RECESSED LIGHT
- SUSPENDED CAN LIGHT
- WALL MOUNTED EXTERIOR LIGHT FIXTURE
- 10' - 0" — CEILING HEIGHT ABOVE FINISH FLOOR
- HVAC AIR SUPPLY GRILLE
- HVAC LINEAR AIR SUPPLY GRILLE
- HVAC EXHAUST OR RETURN GRILLE
- HIGH EXPANSION FOAM GENERATOR
- EXTERIOR FIXTURE
- EXIT SIGN
- SECURITY CAMERA
- CABLE TRAY
- CEILING MOUNTED OVERHEAD PROJECTOR (OHP)
- WALL-MOUNTED FULL DOME CONVEX SAFETY MIRROR, SEE SPEC SECTION 08 81 00. MOUNT BOTTOM OF DOME AT 8'-0" AFF.

ACOUSTIC CEILING PANEL TYPES:

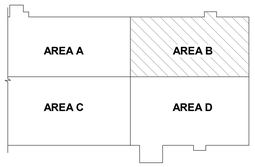
- (A) TYPE A - 4' x 8'
- (B) TYPE B - 4' x 6'
- (C) TYPE C - 4' x 4'

REFLECTED CEILING PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

1. PROVIDE HORIZONTAL 2-HR RATED SHAFT WALL AT SIXTEEN FOOT FLOOR, TYPE C3AA, TO FILL NEW HOLE CUT IN SIXTEEN FOOT FLOOR SLAB.
2. RETURN SOFFIT TO STRUCTURE ABOVE.
3. EXPANSION JOINT, RE: DETAIL D1/A-561

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

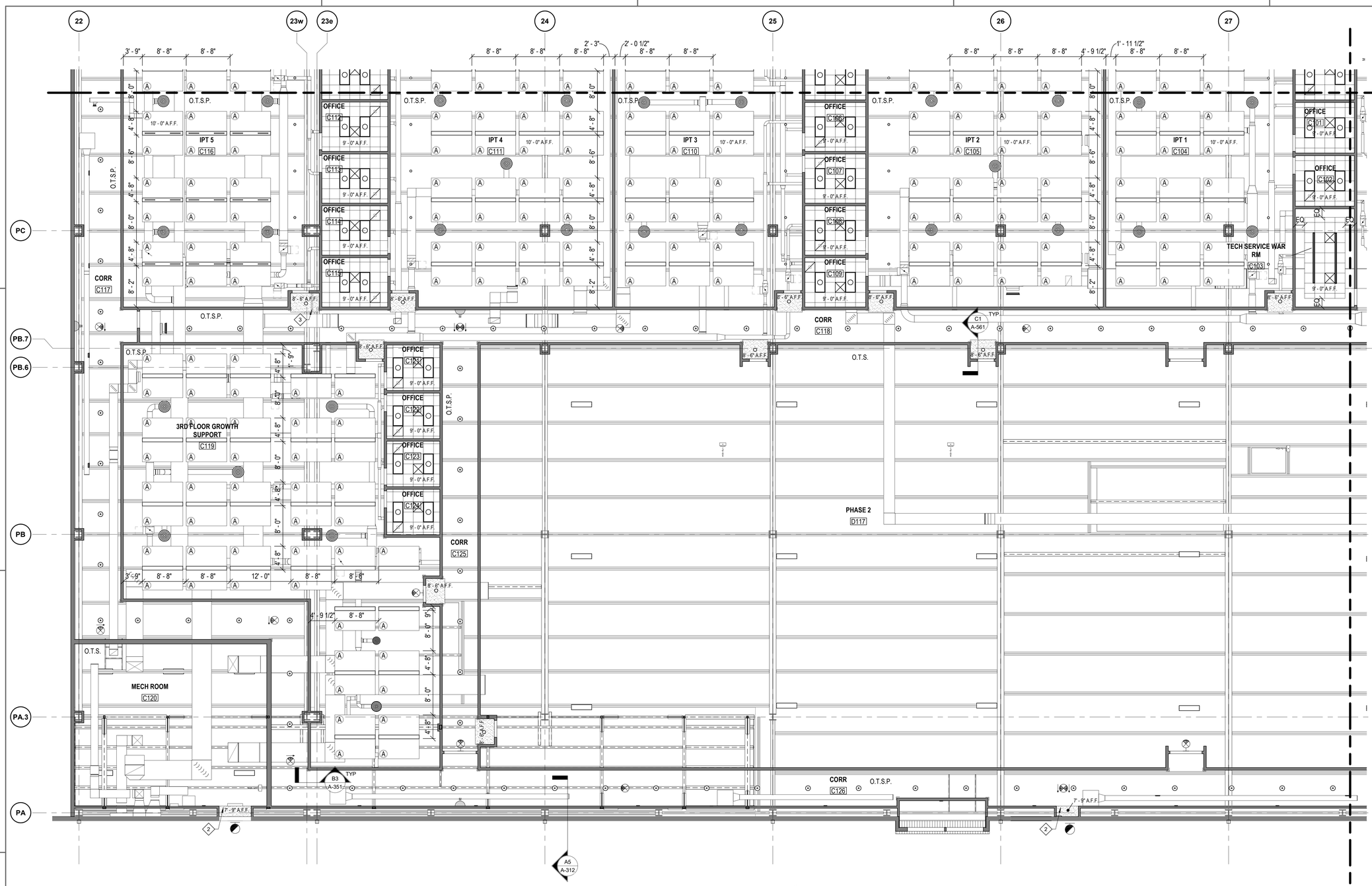
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR REFLECTED CEILING PLAN AREA - B

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-162.DWG
SHEET IDENTIFICATION: A-162
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A5 GROUND FLOOR REFLECTED CEILING PLAN AREA -C

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

N

0 4' 8' 16'

REFLECTED CEILING PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

1. PROVIDE HORIZONTAL 2-HR RATED SHAFT WALL AT SIXTEEN FOOT FLOOR, TYPE C3AA, TO FILL NEW HOLE CUT IN SIXTEEN FOOT FLOOR SLAB.
2. RETURN SOFFIT TO STRUCTURE ABOVE.
3. EXPANSION JOINT, RE: DETAIL D1/A-561

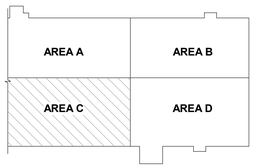
CEILING LEGEND:

- SUSPENDED ACOUSTIC CEILING PANEL
- 2' x 2' ACOUSTICAL CEILING TILE
- GYPSUM BOARD - PAINT PER SPECS
- O.T.S.P. — OPEN TO STRUCTURE-PAINTED. RE: SPEC SECTION 09 90 00
- O.T.S. — OPEN TO STRUCTURE
- 2 HR RATED ASSEMBLY AT CEILING & STRUCTURE
- STRUCTURAL STEEL BEAM - PAINT
- FLUORESCENT FIXTURE - WALL MOUNTED
- 1' x 4' FLUORESCENT EMERGENCY FIXTURE - SUSPENDED
- 1' x 4' FLUORESCENT FIXTURE - SUSPENDED
- 2' x 4' FLUORESCENT EMERGENCY FIXTURE - RECESSED
- 2' x 4' FLUORESCENT FIXTURE - RECESSED
- 2' x 2' FLUORESCENT FIXTURE - RECESSED
- 4" STRIP LIGHT - RECESSED
- COVE LIGHT
- RECESSED LIGHT
- SUSPENDED CAN LIGHT
- WALL MOUNTED EXTERIOR LIGHT FIXTURE
- 10' - 0" — CEILING HEIGHT ABOVE FINISH FLOOR
- HVAC AIR SUPPLY GRILLE
- HVAC LINEAR AIR SUPPLY GRILLE
- HVAC EXHAUST OR RETURN GRILLE
- HIGH EXPANSION FOAM GENERATOR
- EXTERIOR FIXTURE
- EXIT SIGN
- SECURITY CAMERA
- CABLE TRAY
- CEILING MOUNTED OVERHEAD PROJECTOR (OHP)
- WALL-MOUNTED FULL DOME CONVEX SAFETY MIRROR. SEE SPEC SECTION 08 81 00. MOUNT BOTTOM OF DOME AT 6'-0" AFF.

ACOUSTIC CEILING PANEL TYPES:

- (A) TYPE A - 4' x 8'
- (B) TYPE B - 4' x 6'
- (C) TYPE C - 4' x 4'

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR REFLECTED CEILING PLAN AREA - C

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/19/18
FILE NUMBER: 104444A-163.DWG
SHEET IDENTIFICATION: A-163
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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A4 GROUND FLOOR REFLECTED CEILING PLAN AREA -D

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

0 4' 8' 16'

N

REFLECTED CEILING PLAN KEYNOTES:

NOTE: NOT ALL KEYNOTES APPLY TO THIS SHEET.

1. PROVIDE HORIZONTAL 2-HR RATED SHAFT WALL AT SIXTEEN FOOT FLOOR, TYPE C3AA, TO FILL NEW HOLE CUT IN SIXTEEN FOOT FLOOR SLAB.
2. RETURN SOFFIT TO STRUCTURE ABOVE.
3. EXPANSION JOINT, RE: DETAIL D1/A-561

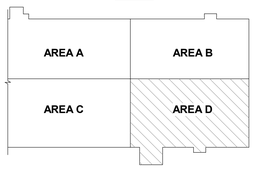
CEILING LEGEND:

- SUSPENDED ACOUSTIC CEILING PANEL
- 2' x 2' ACOUSTICAL CEILING TILE
- GYPSUM BOARD - PAINT PER SPECS
- O.T.S.P. — OPEN TO STRUCTURE-PAINTED. RE: SPEC SECTION 09 90 00
- O.T.S. — OPEN TO STRUCTURE
- 2 HR RATED ASSEMBLY AT CEILING & STRUCTURE
- STRUCTURAL STEEL BEAM - PAINT
- FLUORESCENT FIXTURE - WALL MOUNTED
- 1' x 4' FLUORESCENT EMERGENCY FIXTURE - SUSPENDED
- 1' x 4' FLUORESCENT FIXTURE - SUSPENDED
- 2' x 4' FLUORESCENT EMERGENCY FIXTURE - RECESSED
- 2' x 4' FLUORESCENT FIXTURE - RECESSED
- 2' x 2' FLUORESCENT FIXTURE - RECESSED
- 4" STRIP LIGHT - RECESSED
- COVE LIGHT
- RECESSED LIGHT
- SUSPENDED CAN LIGHT
- WALL MOUNTED EXTERIOR LIGHT FIXTURE
- 10' - 0" — CEILING HEIGHT ABOVE FINISH FLOOR
- HVAC AIR SUPPLY GRILLE
- HVAC LINEAR AIR SUPPLY GRILLE
- HVAC EXHAUST OR RETURN GRILLE
- HIGH EXPANSION FOAM GENERATOR
- EXTERIOR FIXTURE
- EXIT SIGN
- SECURITY CAMERA
- CABLE TRAY
- CEILING MOUNTED OVERHEAD PROJECTOR (OHP)
- WALL-MOUNTED FULL DOME CONVEX SAFETY MIRROR, SEE SPEC SECTION 08 81 00. MOUNT BOTTOM OF DOME AT 8'-0" AFF.

ACOUSTIC CEILING PANEL TYPES:

- (A) TYPE A - 4' x 8'
- (B) TYPE B - 4' x 6'
- (C) TYPE C - 4' x 4'

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

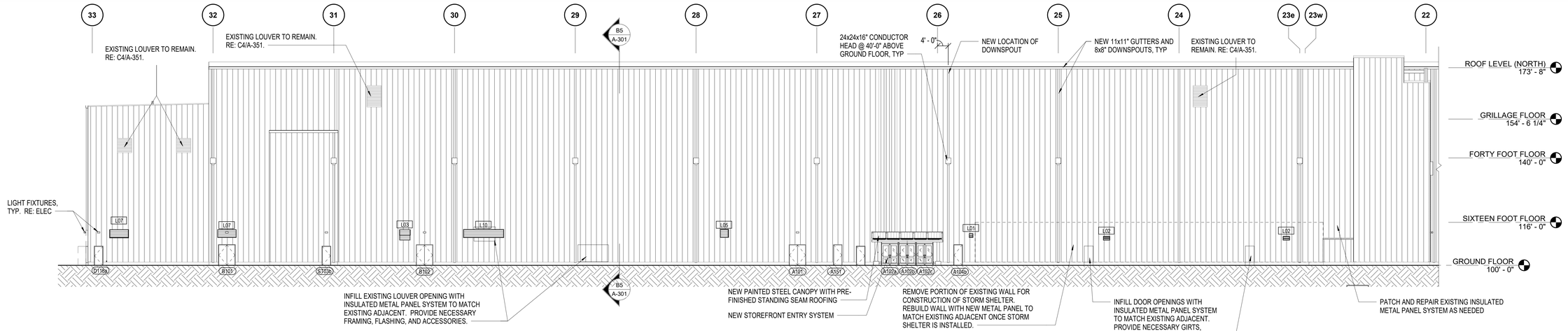
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GROUND FLOOR REFLECTED CEILING PLAN AREA - D

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/19/18
FILE NUMBER:	104444A-164.DWG
SHEET IDENTIFICATION	A-164
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
Sheet	of

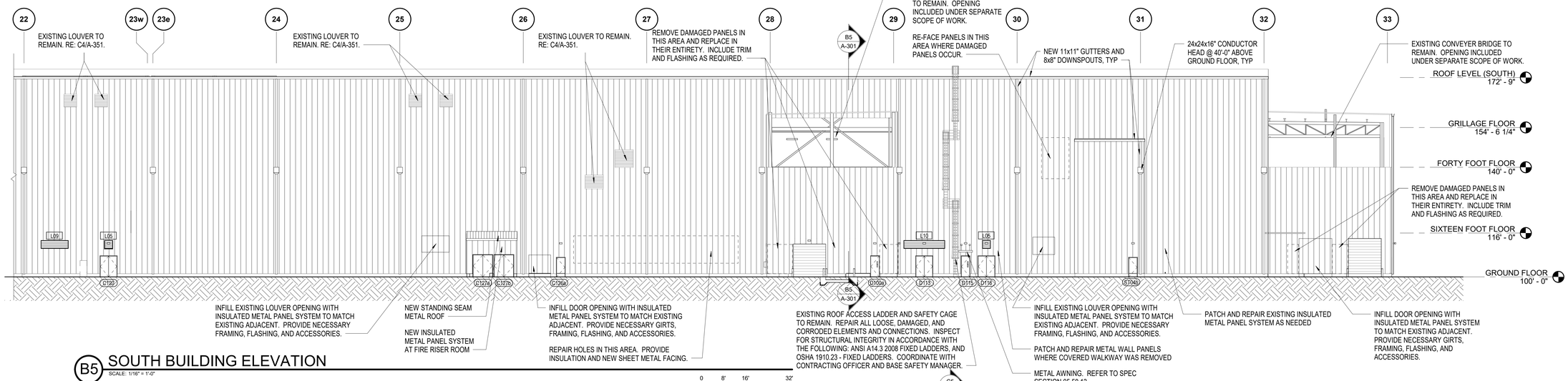
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C5 NORTH BUILDING ELEVATION

SCALE: 1/16" = 1'-0"

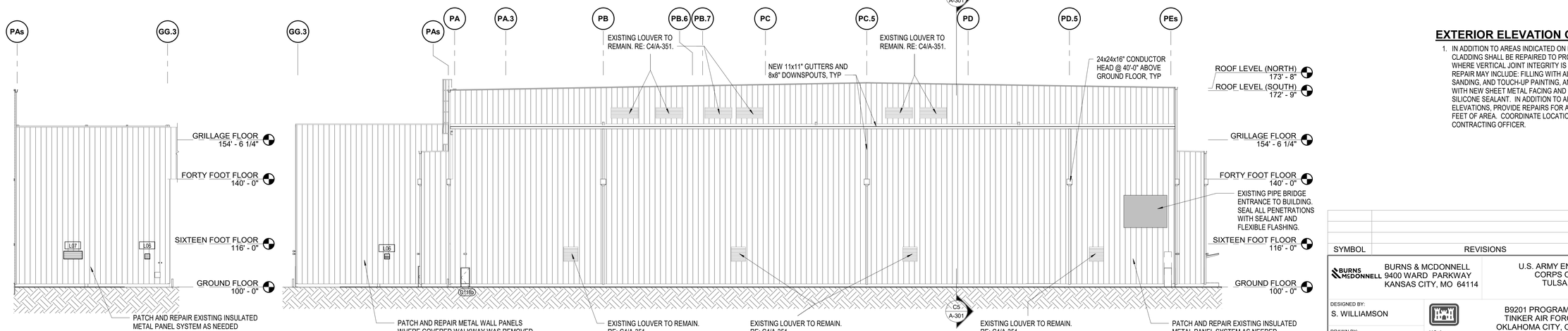
0 8' 16' 32'



B5 SOUTH BUILDING ELEVATION

SCALE: 1/16" = 1'-0"

0 8' 16' 32'



A5 WEST LOADING DOCK ELEVATION

SCALE: 1/16" = 1'-0"

0 8' 16' 32'

A4 EAST BUILDING ELEVATION

SCALE: 1/16" = 1'-0"

0 8' 16' 32'

EXTERIOR ELEVATION GENERAL NOTES:

1. IN ADDITION TO AREAS INDICATED ON DRAWINGS, EXTERIOR CLADDING SHALL BE REPAIRED TO PROVIDE WATERTIGHT CONDITION WHERE VERTICAL JOINT INTEGRITY IS MAINTAINED. METHODS OF REPAIR MAY INCLUDE: FILLING WITH ALL-PURPOSE BODY FILLER, SANDING, AND TOUCH-UP PAINTING, AND/OR RE-FACING PANELS WITH NEW SHEET METAL FACING AND SECURING INTO PLACE WITH SILICONE SEALANT. IN ADDITION TO AREAS SHOWN ON EXTERIOR ELEVATIONS, PROVIDE REPAIRS FOR AN ADDITIONAL 250 SQUARE FEET OF AREA. COORDINATE LOCATIONS OF REPAIR WITH CONTRACTING OFFICER.

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
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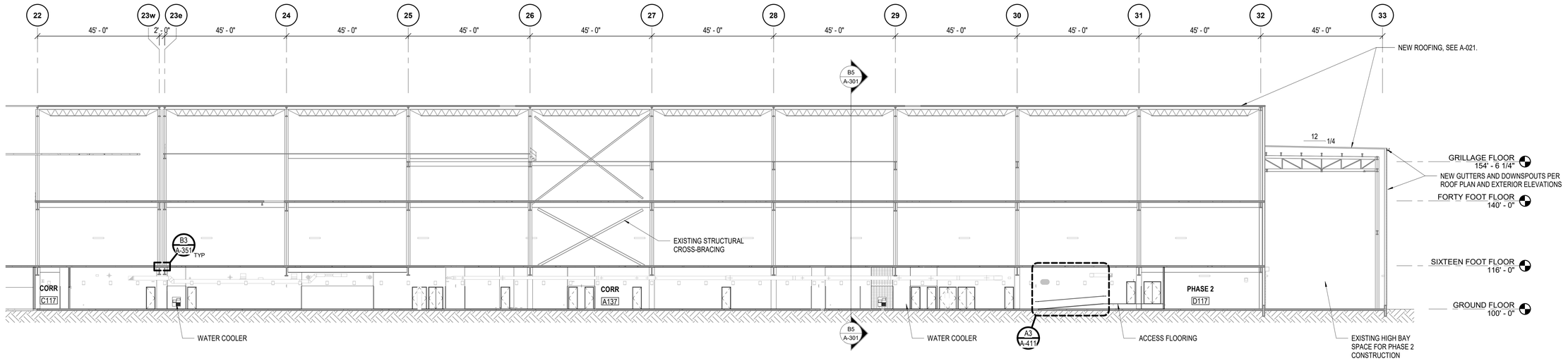
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

EXTERIOR BUILDING ELEVATIONS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-201.DWG
SHEET IDENTIFICATION: A-201
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

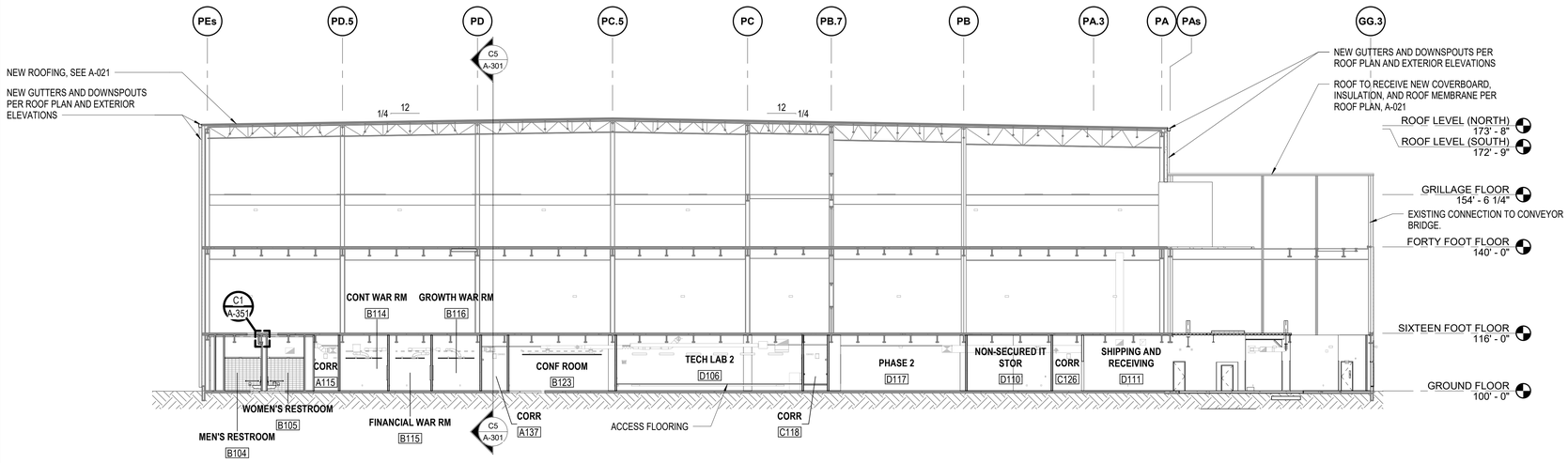
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C5 EAST/WEST BUILDING SECTION

SCALE: 1/16" = 1'-0"

0 8' 16' 32'



B5 NORTH/SOUTH BUILDING SECTION

SCALE: 1/16" = 1'-0"

0 8' 16' 32'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

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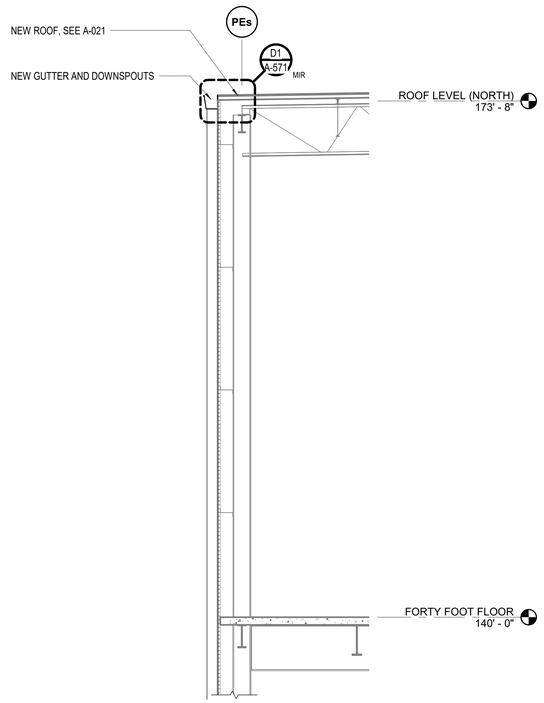
US Army Corps of Engineers

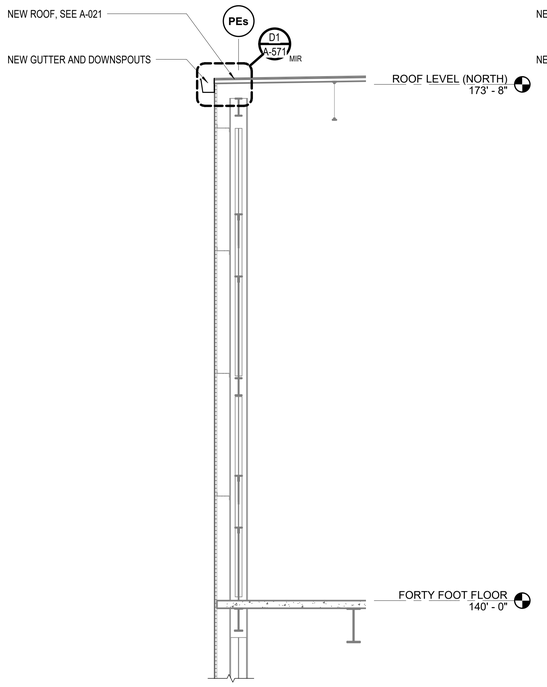
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

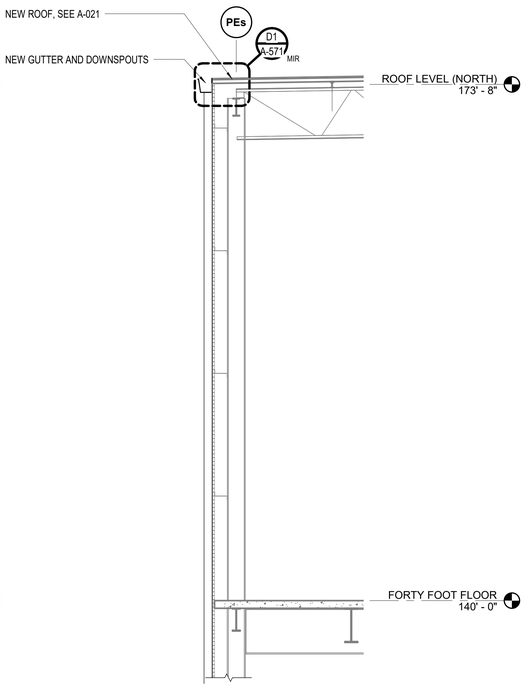
BUILDING SECTIONS

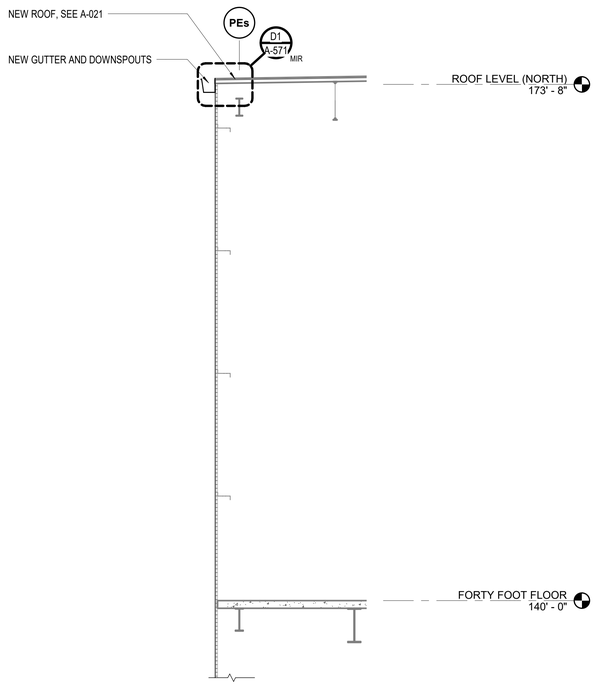
PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-301.DWG
SHEET IDENTIFICATION: A-301
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

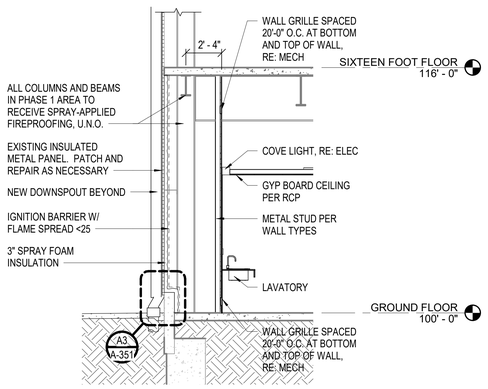
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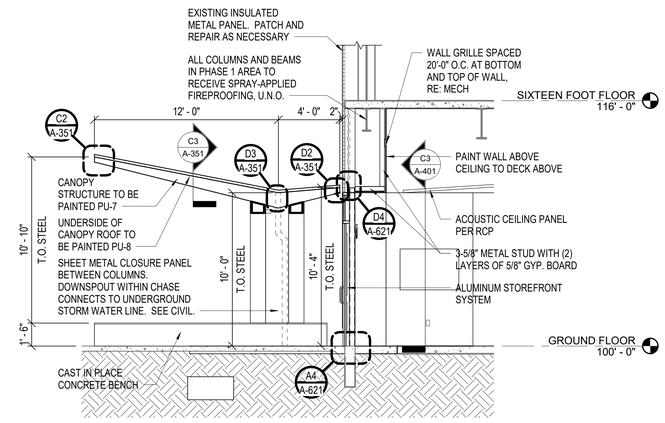


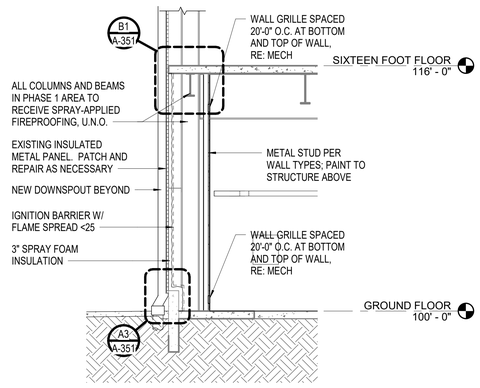


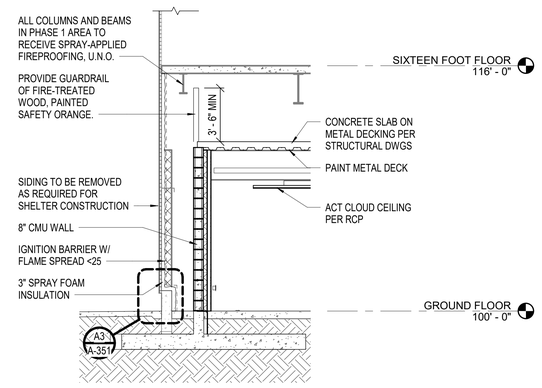












A5 @ NORTH WALL - RESTROOM
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

A4 @ NORTH WALL ENTRY
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

A3 @ TYP NORTH WALL
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

A2 TORNADO SHELTER @ NORTH WALL
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
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KANSAS CITY, MO 64114

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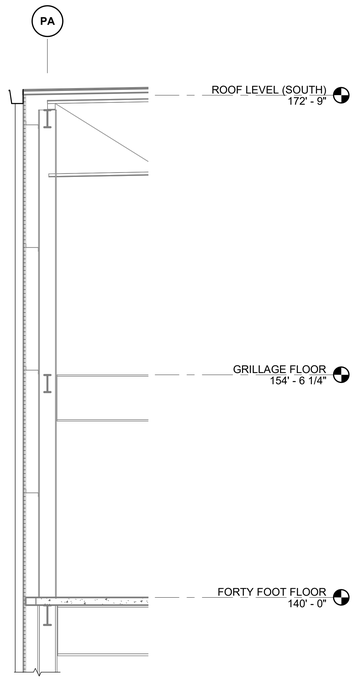
US Army Corps of Engineers

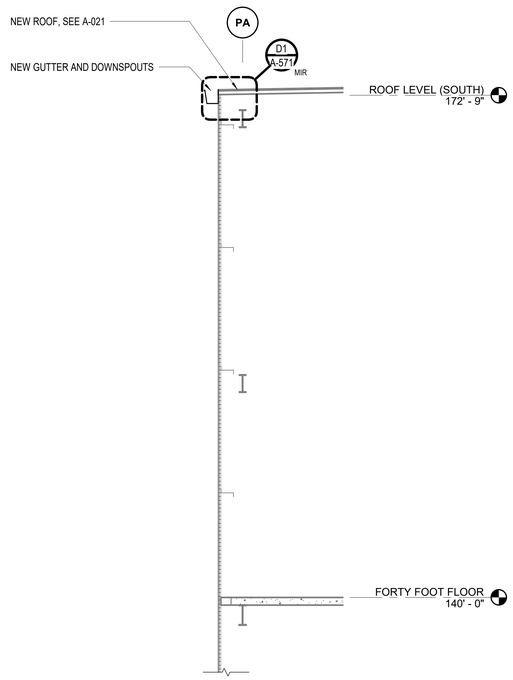
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

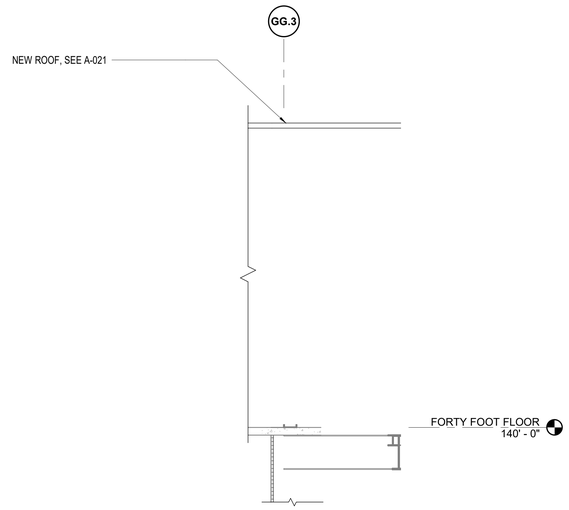
WALL SECTIONS

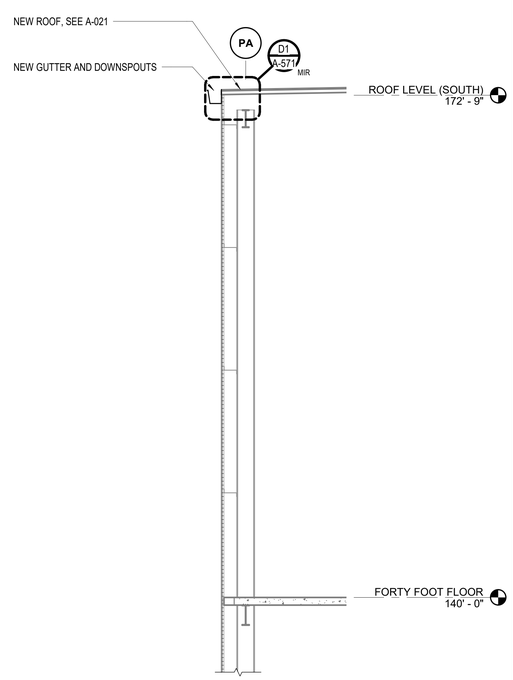
PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/21/17
FILE NUMBER: 104444A-311.DWG
SHEET IDENTIFICATION: A-311
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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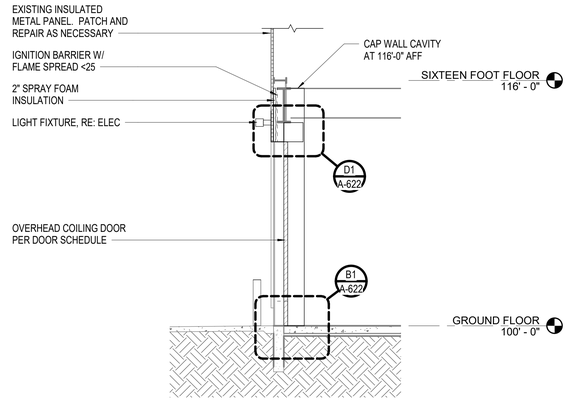




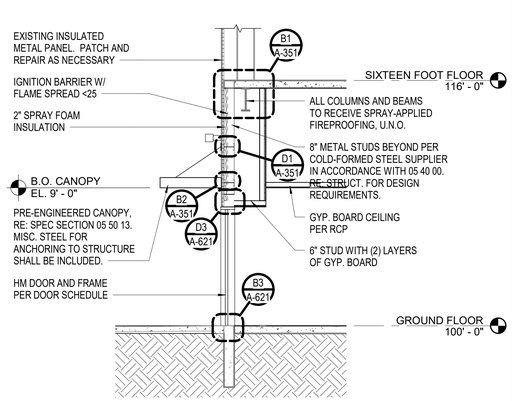


A5 @ SOUTH WALL
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

A4 @ FIRE RISERS
SCALE: 1/4" = 1'-0"
0 2' 4' 8'



A3 @ DOCK DOOR
SCALE: 1/4" = 1'-0"
0 2' 4' 8'



A1 @ SOUTH ENTRY
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

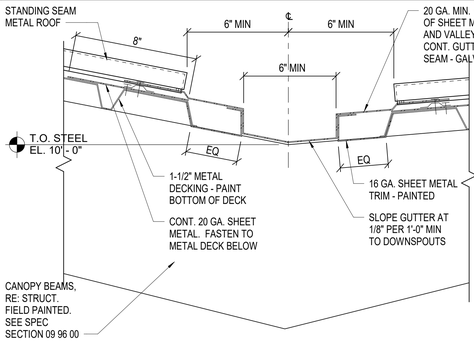
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

WALL SECTIONS

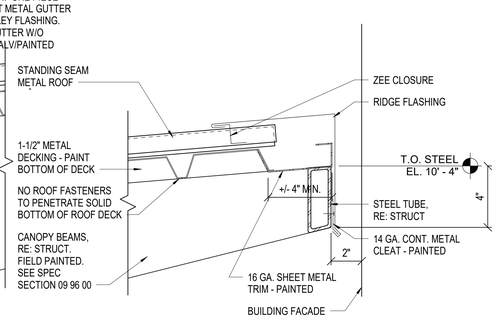
PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/18
FILE NUMBER: 104444A-312.DWG
SHEET IDENTIFICATION: A-312
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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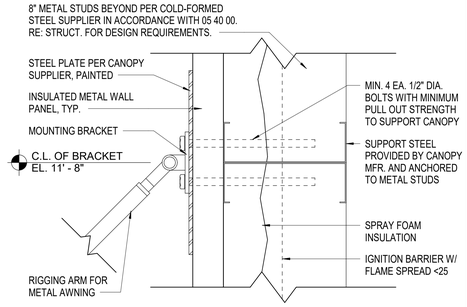
D3 CANOPY VALLEY DETAIL

SCALE: 3" = 1'-0"



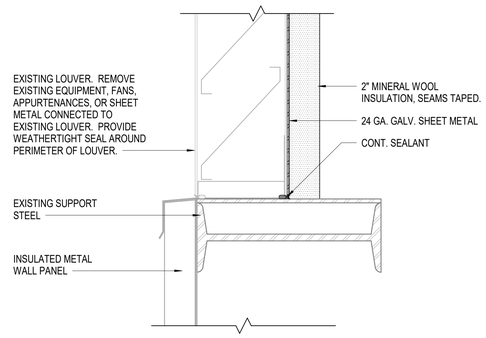
D2 CANOPY EDGE DETAIL

SCALE: 3" = 1'-0"



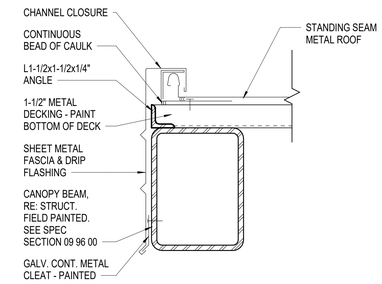
D1 AWNING CONNECTION DETAIL

SCALE: 3" = 1'-0"



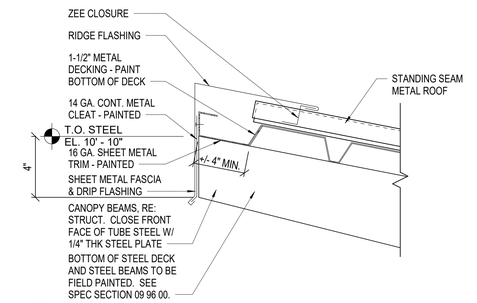
C4 CLOSURE AT EXISTING LOUVER

SCALE: 3" = 1'-0"



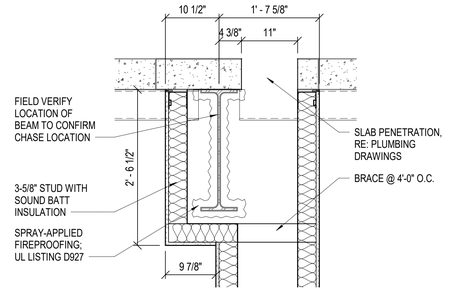
C3 CANOPY EDGE DETAIL

SCALE: 3" = 1'-0"



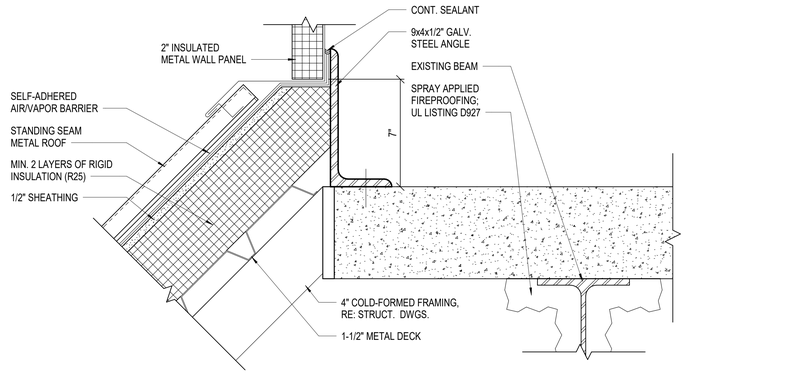
C2 CANOPY EDGE DETAIL

SCALE: 3" = 1'-0"



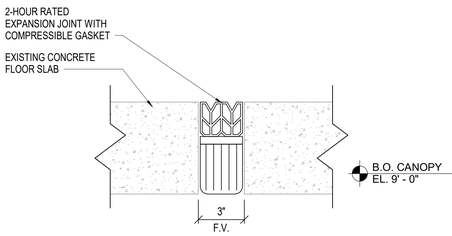
C1 DETAIL @ RESTROOM CHASE BEAM

SCALE: 1" = 1'-0"



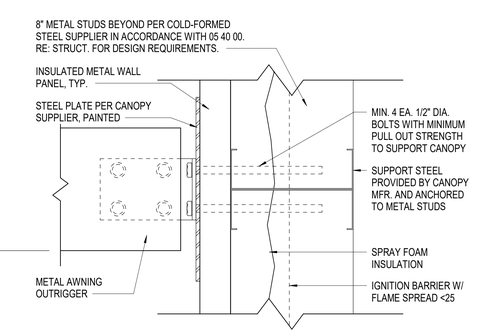
B5 STANDING SEAM TO WALL DETAIL

SCALE: 3" = 1'-0"



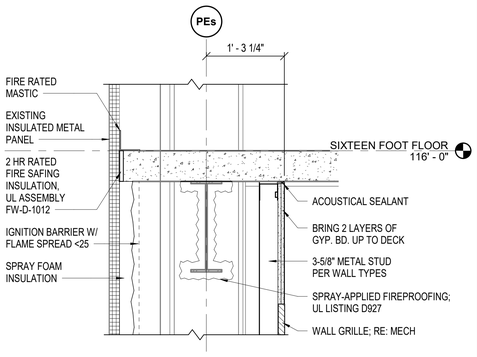
B3 EXPANSION JOINT @ 16' FLOOR SLAB

SCALE: 3" = 1'-0"



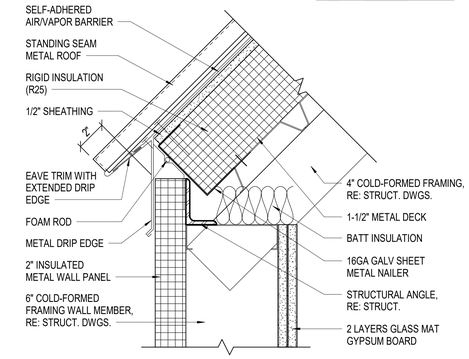
B2 AWNING CONNECTION DETAIL

SCALE: 3" = 1'-0"



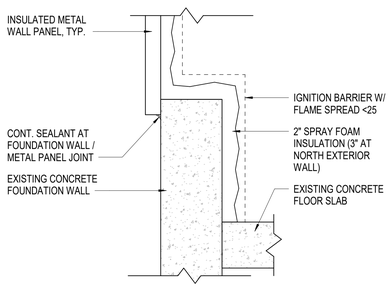
B1 TYP. SLAB EDGE DETAIL

SCALE: 1" = 1'-0"



A4 STANDING SEAM EAVE DETAIL

SCALE: 3" = 1'-0"



A3 THERMAL BARRIER DETAIL

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

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

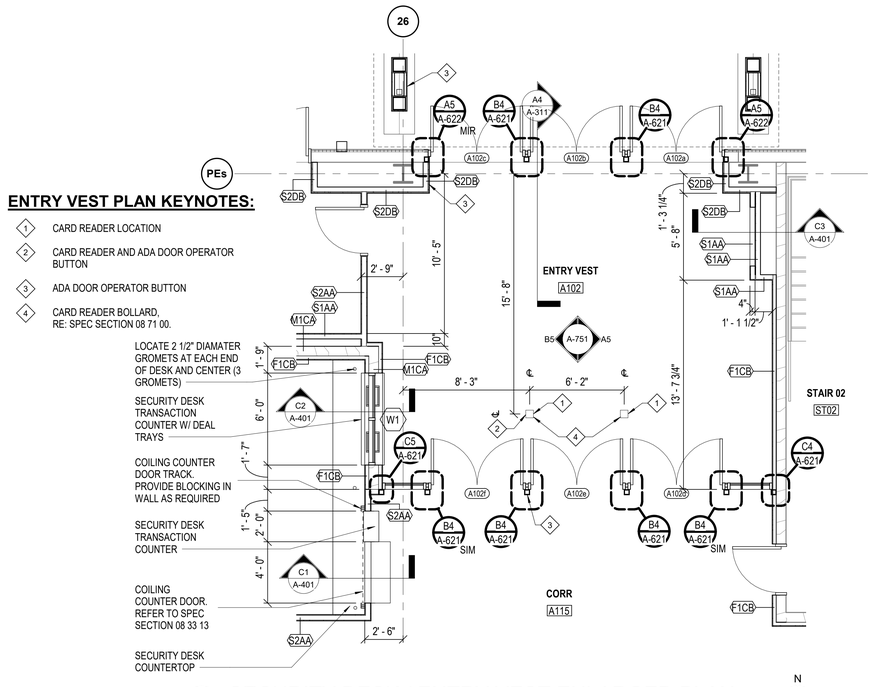
SECTION DETAILS

PLOT SCALE: AS NOTED | SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-351.DWG
SHEET IDENTIFICATION: A-351
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

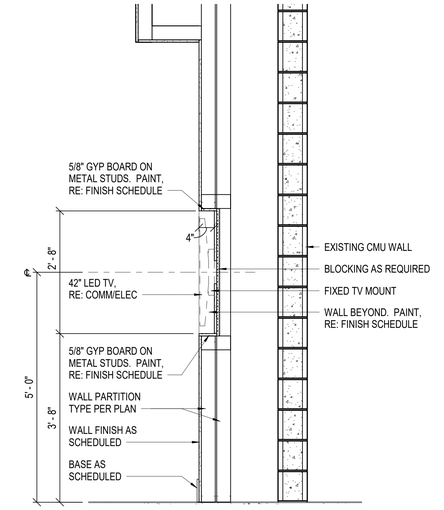
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ENTRY VEST PLAN KEYNOTES:

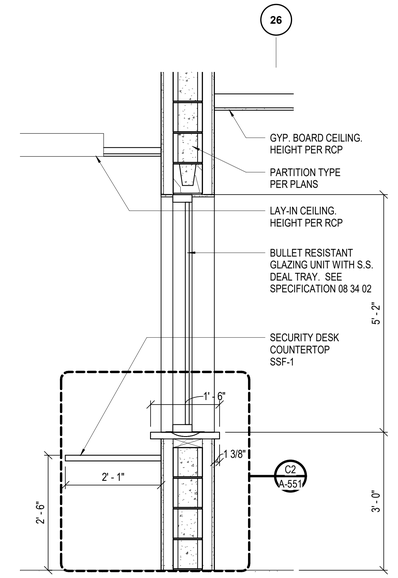
1. CARD READER LOCATION
2. CARD READER AND ADA DOOR OPERATOR BUTTON
3. ADA DOOR OPERATOR BUTTON
4. CARD READER BOLLARD. RE: SPEC SECTION 08 71 00.



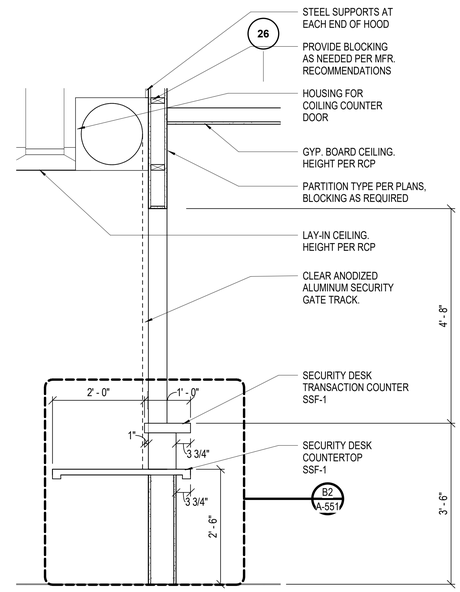
C5 SECURITY DESK / ENTRY VEST ENLARGED PLAN
SCALE: 1/4" = 1'-0"



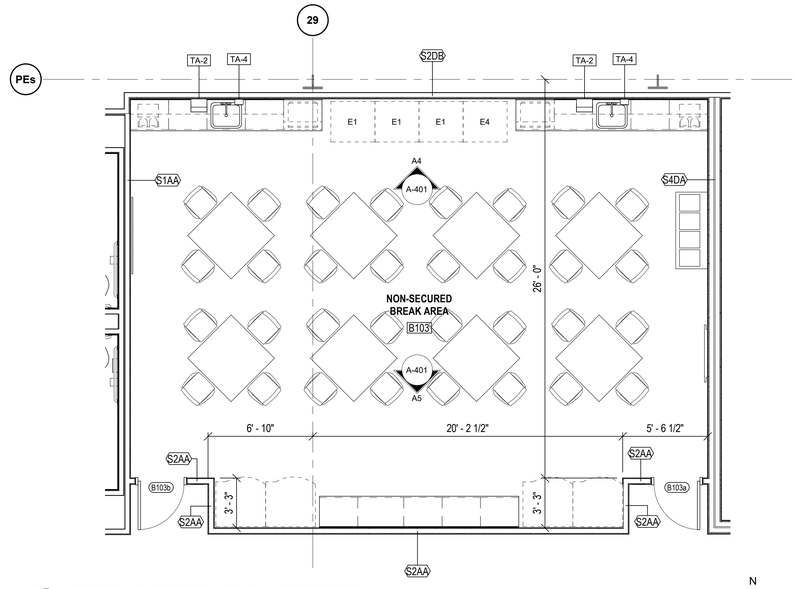
C3 @TV RECESS
SCALE: 3/4" = 1'-0"



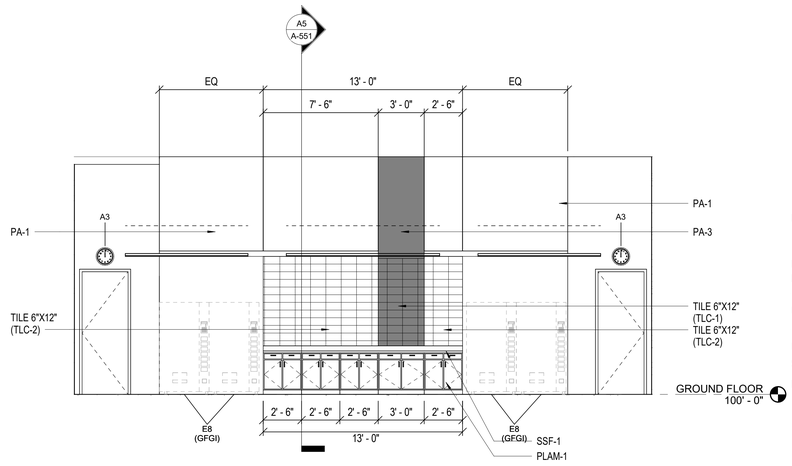
C2 @SECURITY WINDOW
SCALE: 3/4" = 1'-0"



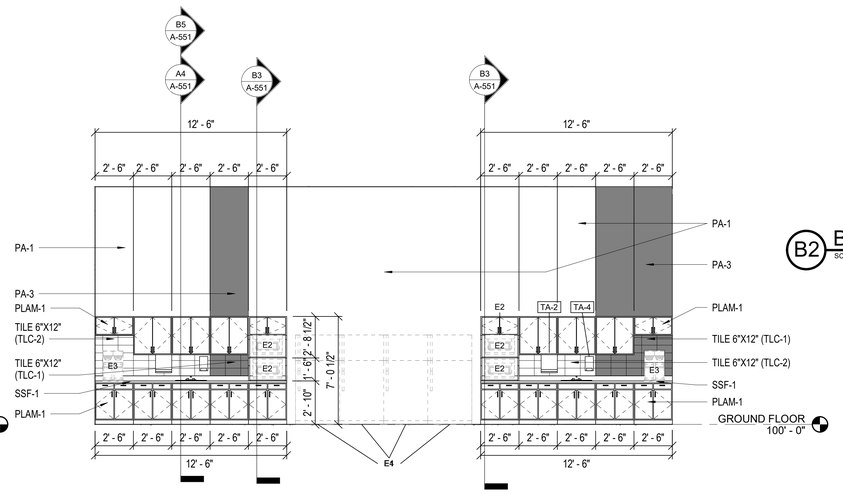
C1 @SECURITY COUNTER
SCALE: 3/4" = 1'-0"



B2 BREAK ROOM ENLARGED PLAN
SCALE: 1/4" = 1'-0"



A5 BREAK ROOM ELEVATION
SCALE: 1/4" = 1'-0"



A4 BREAK ROOM ELEVATION
SCALE: 1/4" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
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SYMBOL	REVISIONS	DATE	APPROVED

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US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

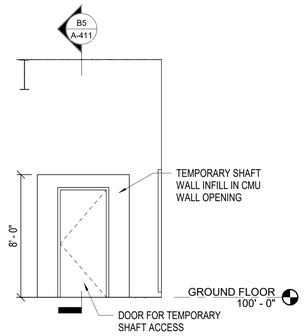
BREAKROOM AND ENTRY PLANS AND ELEVATIONS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-401.DWG
SHEET IDENTIFICATION: A-401
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

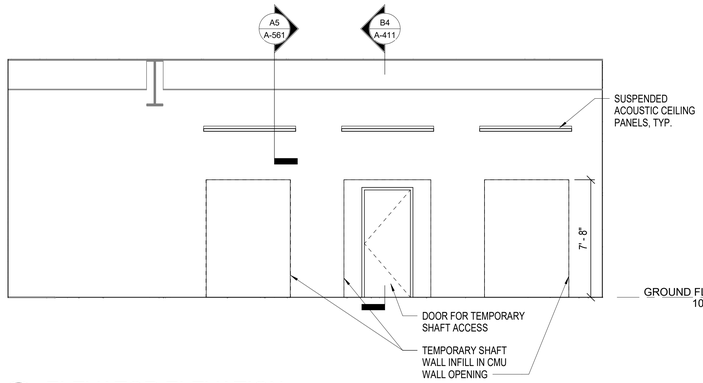
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GENERAL ELEVATOR NOTES:

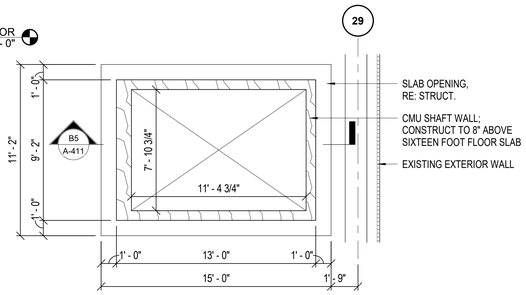
1. THE ELEVATOR PITS AND SHAFTS HAVE BEEN ENGINEERED AND SIZED BASED ON MACHINE ROOM-LESS TRACTION ELEVATOR SYSTEM AND CAPACITY OF:
   3,000 LB PASSENGER ELEVATORS
   5,000 LB SERVICE ELEVATOR
   IF THE SYSTEM TYPES OR CAPACITIES SHOULD CHANGE, RE-DESIGN OF THE PITS AND SHAFTS WILL BE REQUIRED. COORDINATE MODIFICATIONS WITH CONTRACTING OFFICER AND ENGINEER / ARCHITECT.



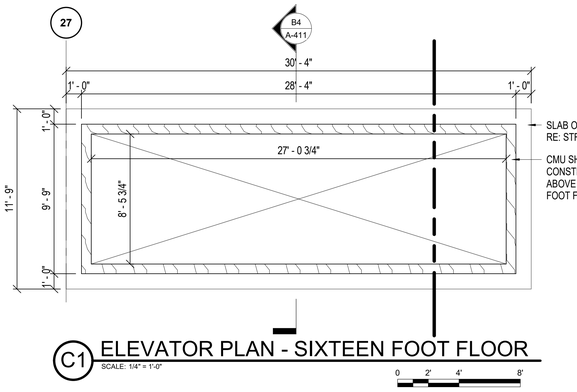
C5 ELEVATOR ELEVATION
SCALE: 1/4" = 1'-0"



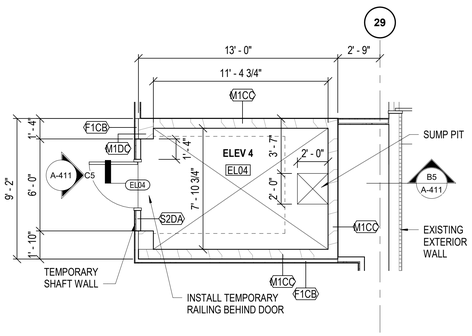
C4 ELEVATOR ELEVATION
SCALE: 1/4" = 1'-0"



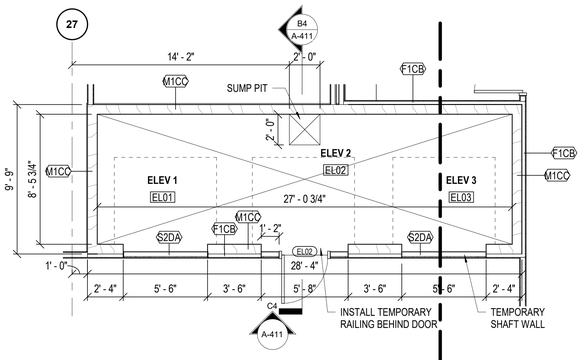
C3 ELEVATOR PLAN - SIXTEEN FOOT FLOOR
SCALE: 1/4" = 1'-0"



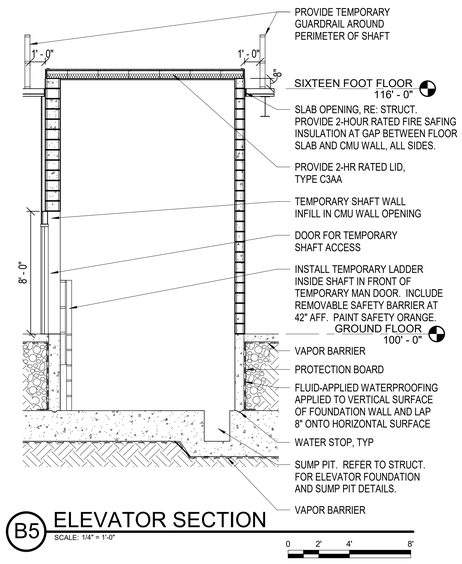
C1 ELEVATOR PLAN - SIXTEEN FOOT FLOOR
SCALE: 1/4" = 1'-0"



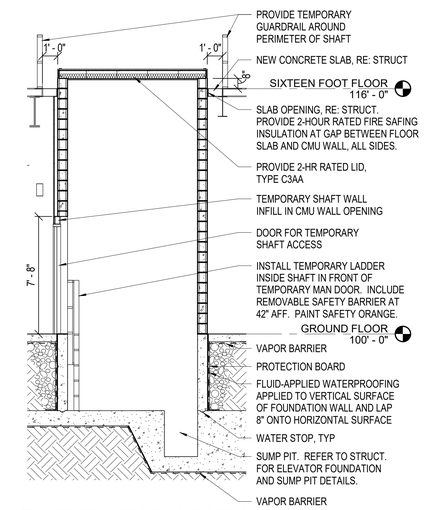
B3 ELEVATOR PLAN - GROUND FLOOR
SCALE: 1/4" = 1'-0"



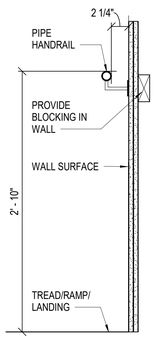
B1 ELEVATOR PLAN - GROUND FLOOR
SCALE: 1/4" = 1'-0"



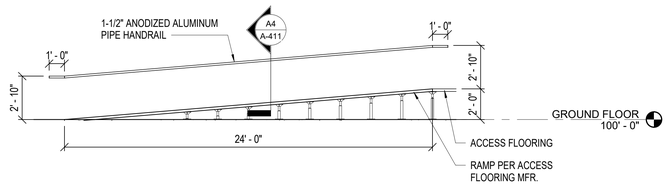
B5 ELEVATOR SECTION
SCALE: 1/4" = 1'-0"



B4 ELEVATOR SECTION
SCALE: 1/4" = 1'-0"



A4 HANDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"



A3 RAMP SECTION
SCALE: 1/4" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
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DESIGNED BY: S. WILLIAMSON
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SUBMITTED BY: J. KLING

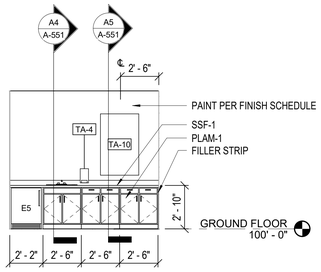
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ELEVATOR PLANS AND ELEVATIONS / RAMP SECTIONS AND DETAILS

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-411.DWG
SHEET IDENTIFICATION: A-411
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

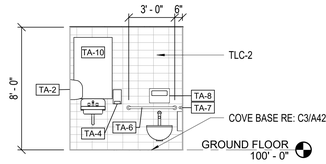
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D5 NURSING ROOM ELEVATION

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

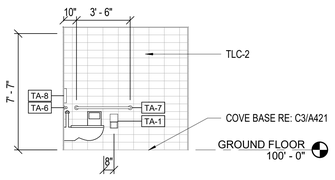
0 2' 4' 8'



D4 UNISEX RESTROOM ELEVATION

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

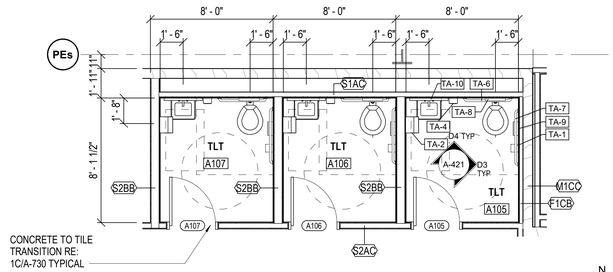
0 2' 4' 8'



D3 UNISEX RESTROOM ELEVATION

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

0 2' 4' 8'

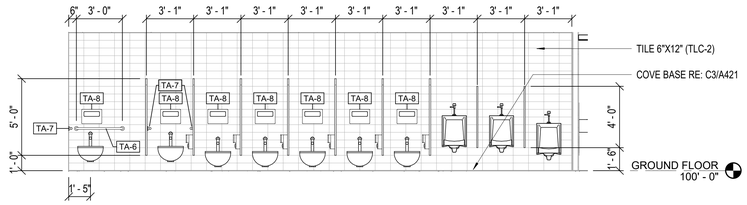


D2 TORNADO SHELTER RESTROOM PLAN

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

0 2' 4' 8'

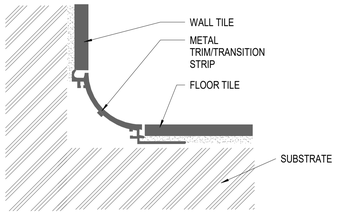
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C4 MEN'S RESTROOM ELEVATION

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

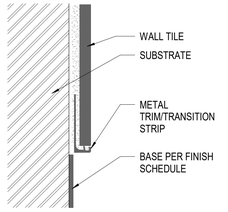
0 2' 4' 8'



C3 COVE BASE

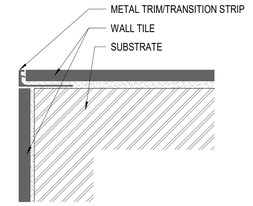
SCALE: 3" = 1'-0"

APPLY AT ALL CERAMIC TILE TO PORCELAIN TILE TRANSITIONS.



C2 TILE TO EDGE

SCALE: 3" = 1'-0"



C1 TILE TO OUTSIDE CORNER

SCALE: 3" = 1'-0"

APPLY AT ALL EXTERIOR CORNERS OF TILE.

B5 WOMEN'S RESTROOM ELEVATION

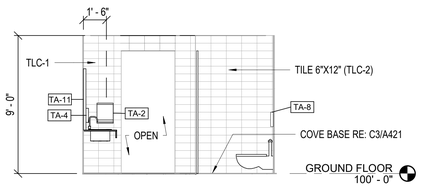
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

B4 WOMEN'S RESTROOM ELEVATION

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

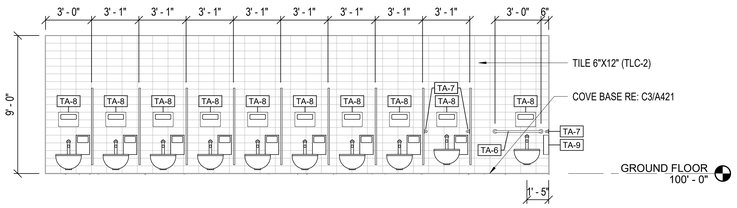
0 2' 4' 8'



A5 WOMEN'S RESTROOM ELEVATION

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

0 2' 4' 8'



A4 WOMEN'S RESTROOM ELEVATION

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

0 2' 4' 8'

28

A2 GROUND FLOOR RESTROOM PLAN

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

0 2' 4' 8'

N

TOILET ACCESSORY LEGEND			
T.A. NUMBER	ACCESSORY	MANUFACTURER / MODEL NUMBER	REMARKS
TA-1	(TPD) TOILET PAPER DISPENSER	KIMBERLY-CLARK #09551 DUAL JUMBO ROLL TISSUE DISPENSER	OWNER PROVIDED, CONTRACTOR INSTALLED
TA-2	(PTD) PAPER TOWEL DISPENSER	KIMBERLY-CLARK #09990 SANITOUCH UNIVERSAL ROLL TOWEL DISPENSER	OWNER PROVIDED, CONTRACTOR INSTALLED
TA-3	(WR) WASTE RECEPTACLE		REFER TO FF+E DOCUMENTS
TA-4	(SD) SOAP DISPENSER	GOJO #5271-06 2000 FOAM SOAP DISPENSER	OWNER PROVIDED, CONTRACTOR INSTALLED
TA-5	NOT USED		
TA-6	(GB) GRAB BAR - 36" LONG		
TA-7	(GB) GRAB BAR - 42" LONG		
TA-8	(TSCD) TOILET SEAT COVER DISPENSER	GEORGIA PACIFIC #57748 SAFE-T-GARD SMOKE SEAT COVER DISPENSER	OWNER PROVIDED, CONTRACTOR INSTALLED
TA-9	(SND) SANITARY NAPKIN DISPOSAL		
TA-10	(MG) MIRROR	30"W. x 48"H.	
TA-11	(MG) MIRROR	WIDTH AS SHOWN IN ELEVATIONS x 48"H.	

*SEE SHEET AG002 FOR TYPICAL ADA COMPLIANT ACCESSIBLE MOUNTING HEIGHTS.

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

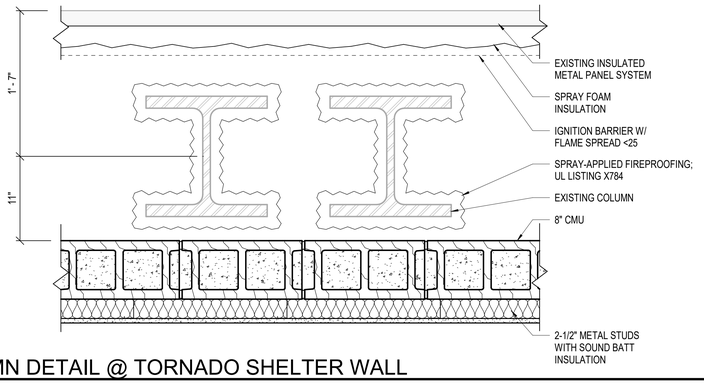
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

TOILET AND MOTHER'S ROOM PLANS AND ELEVATIONS

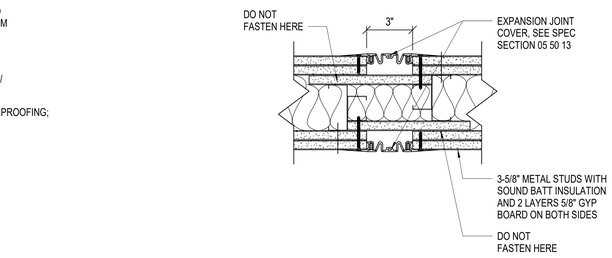
PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-421.DWG
SHEET IDENTIFICATION: A-421
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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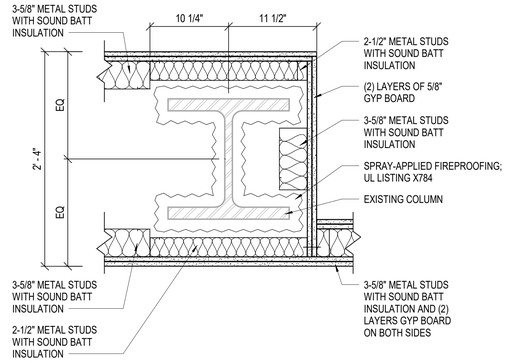
D5 COLUMN DETAIL @ TORNADO SHELTER WALL

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



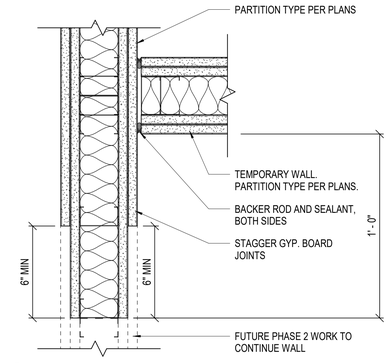
D3 EXPANSION JOINT DETAIL

SCALE: 3" = 1'-0"



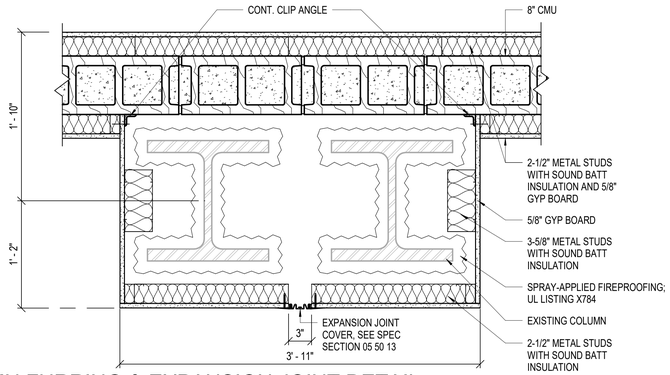
D2 COLUMN FURRING DETAIL

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



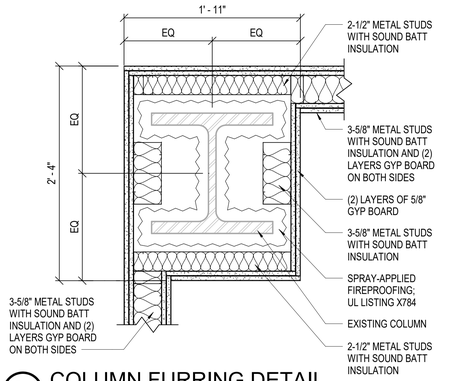
D1 TEMPORARY WALL @ PHASE 2

SCALE: 3" = 1'-0"



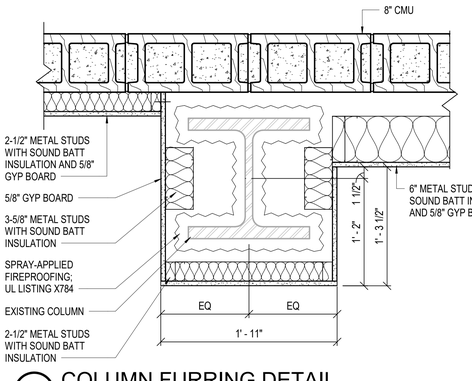
C5 COLUMN FURRING & EXPANSION JOINT DETAIL

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



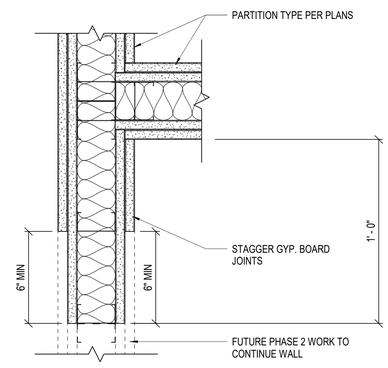
C3 COLUMN FURRING DETAIL

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



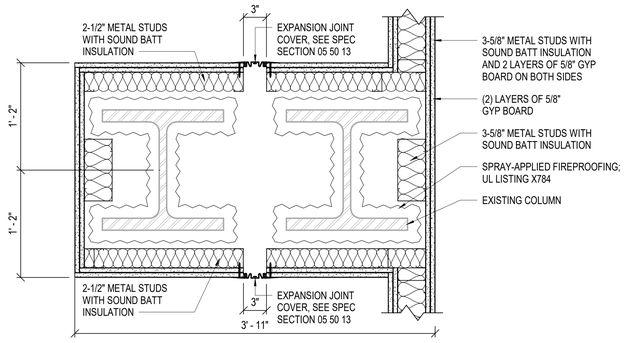
C2 COLUMN FURRING DETAIL

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



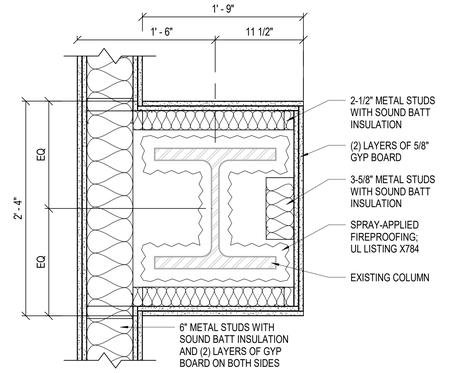
C1 WALL TRANSITION @ PHASE 2

SCALE: 3" = 1'-0"



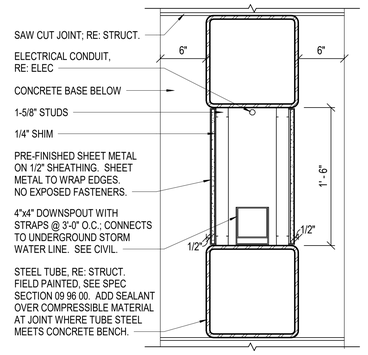
B5 COLUMN FURRING & EXPANSION JOINT DETAIL

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



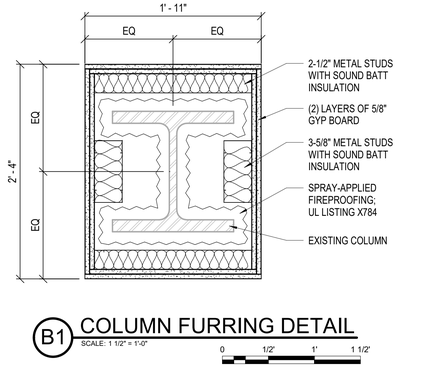
B3 COLUMN FURRING DETAIL

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



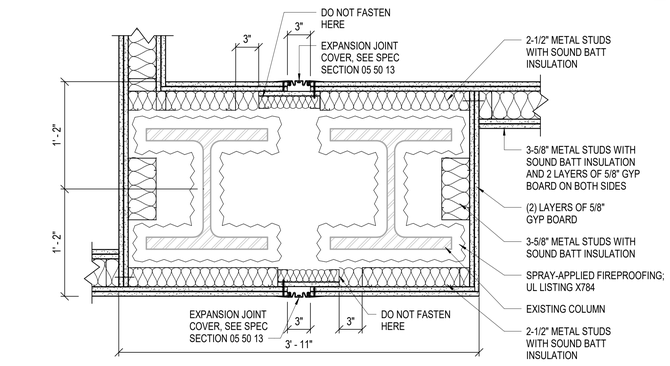
B2 CANOPY DOWNSPOUT

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



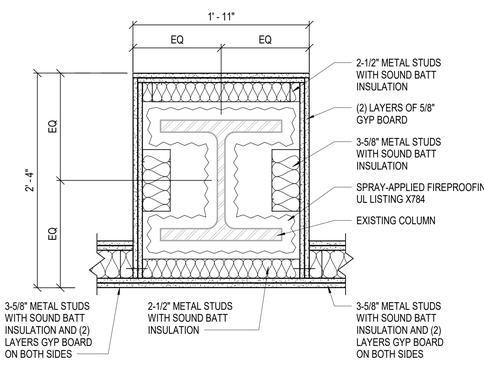
B1 COLUMN FURRING DETAIL

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



A5 COLUMN FURRING & EXPANSION JOINT DETAIL

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



A3 COLUMN FURRING DETAIL

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

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

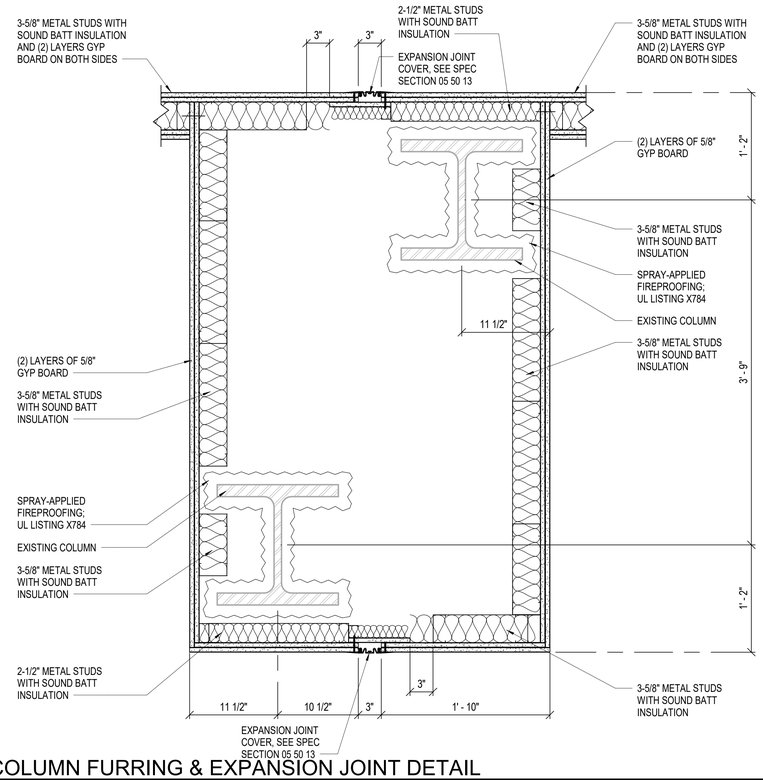
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

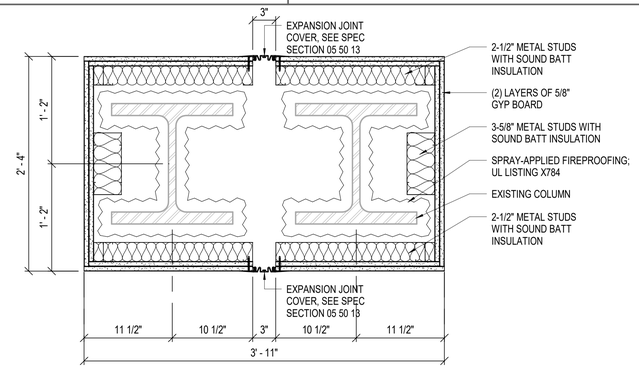
PLAN DETAILS

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/20/17
FILE NUMBER:	104444A-451.DWG
SHEET IDENTIFICATION	A-451
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
Sheet	of

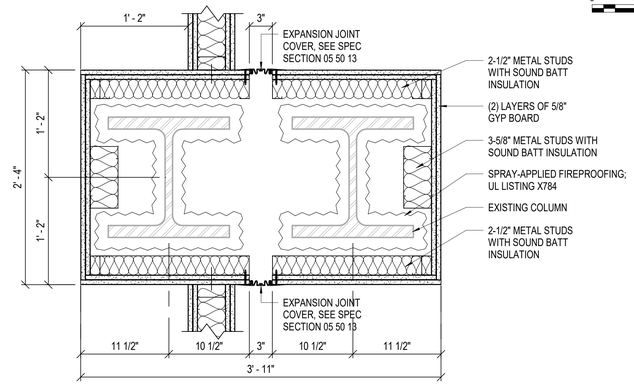
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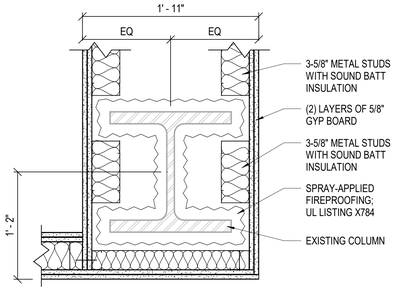
C4 COLUMN FURRING & EXPANSION JOINT DETAIL
SCALE: 1 1/2" = 1'-0"



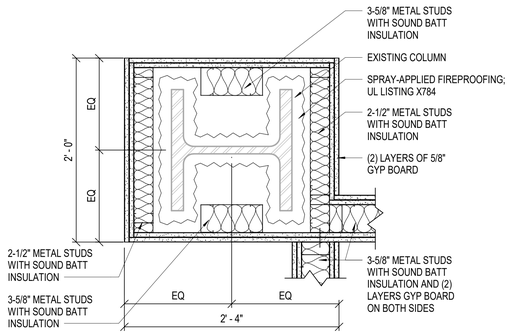
D2 COLUMN FURRING & EXPANSION JOINT DETAIL
SCALE: 1 1/2" = 1'-0"



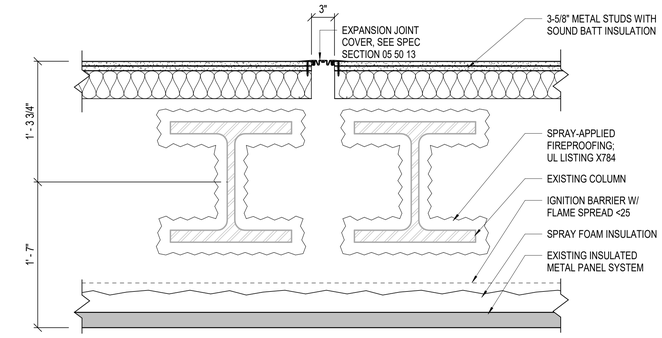
C2 COLUMN FURRING & EXPANSION JOINT DETAIL
SCALE: 1 1/2" = 1'-0"



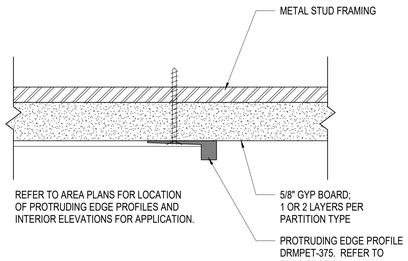
B4 COLUMN FURRING DETAIL
SCALE: 1 1/2" = 1'-0"



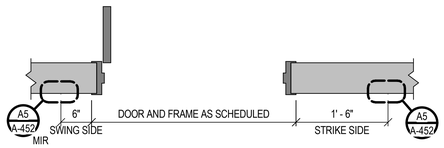
B3 COLUMN FURRING DETAIL
SCALE: 1 1/2" = 1'-0"



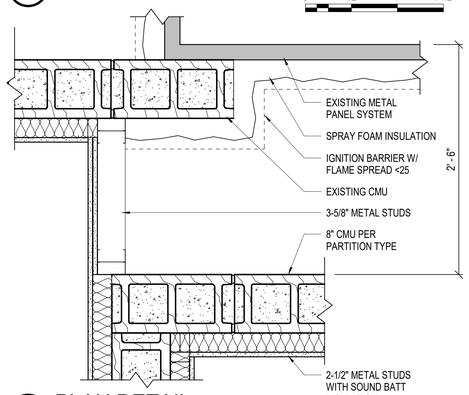
B2 EXPANSION JOINT DETAIL
SCALE: 1 1/2" = 1'-0"



A5 PROTRUDING EDGE PROFILE DETAIL
SCALE: 12" = 1'-0"



A4 PROTRUDING EDGE PROFILE LOCATION
SCALE: 1" = 1'-0"



A3 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

US Army Corps of Engineers

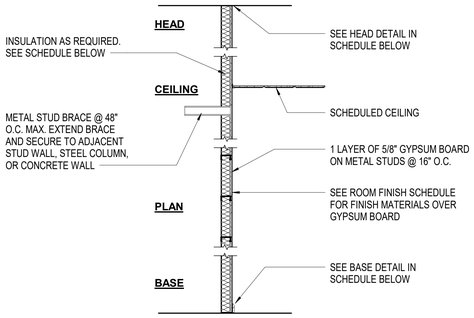
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

PLAN DETAILS

DESIGNED BY:	S. WILLIAMSON
DRAWN BY:	S. WILLIAMSON
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	06/15/18
FILE NUMBER:	104444A-452.DWG
SHEET IDENTIFICATION	A-452
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
Sheet	of

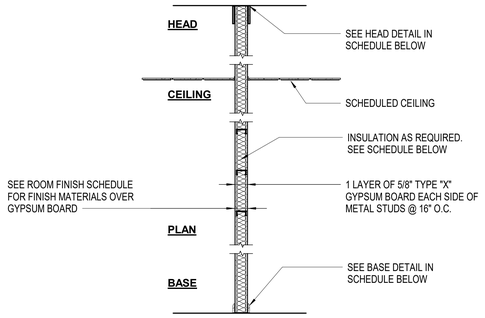
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PARTITION TYPE S1



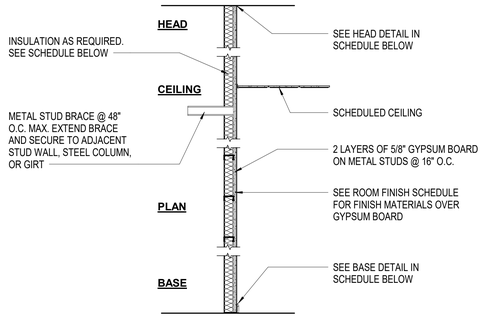
TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S1AA	-	-	-	C2/A502	B2/A502	3 5/8" METAL STUDS WITH BATT INSULATION.
S1AC	-	-	-	C2/A502	B2/A502	3 5/8" METAL STUDS, WET WALLS. SEE PARTITION TYPES GENERAL NOTE 9.
S1BA	-	-	-	2/A502	1/A502	6" METAL STUDS WITH BLANKET INSULATION.

PARTITION TYPE S2



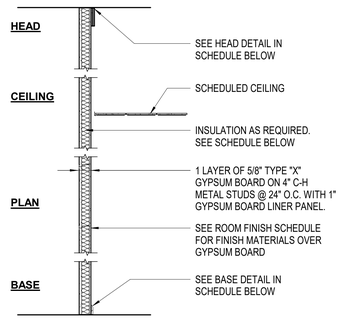
TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S2AA	-	-	-	C2/A502	B3/A502	3 5/8" METAL STUDS WITH BATT INSULATION.
S2AC	-	-	-	C2/A502	B3/A502	3 5/8" METAL STUDS, WET WALLS. SEE PARTITION TYPES GENERAL NOTE 9.
S2AD	-	60 MIN	U465	C3/A502	B3/A502	3 5/8" METAL STUDS WITH BLANKET INSULATION.
S2BA	-	-	-	C2/A502	B3/A502	6" METAL STUDS WITH BATT INSULATION.
S2BB	-	-	-	C2/A502	B3/A502	6" METAL STUDS, WET WALLS. SEE PARTITION TYPES GENERAL NOTE 9.

PARTITION TYPE S2D



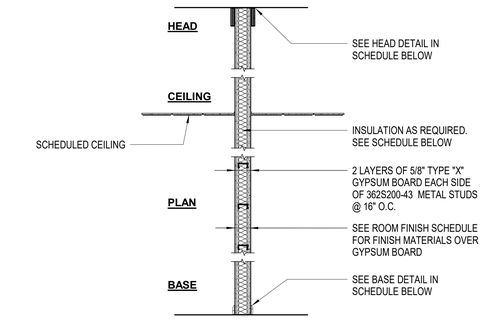
TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S2DA	-	-	-	C2/A502	B2/A502 SIM	3 5/8" METAL STUDS AT 16" O.C. VERTICALLY
S2DB	-	-	-	C2/A502	B2/A502 SIM	3 5/8" METAL STUDS AT 16" O.C. VERTICALLY; WATER-RESISTANT GYP BOARD

PARTITION TYPE H2



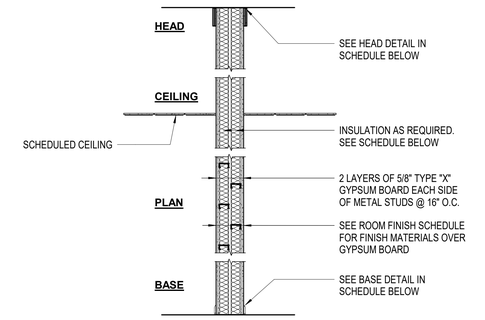
TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
H2AA	STC-39	60 MIN	U415	C3/A502 SIM	B2/A502	4" C-H STUDS

PARTITION TYPE S4



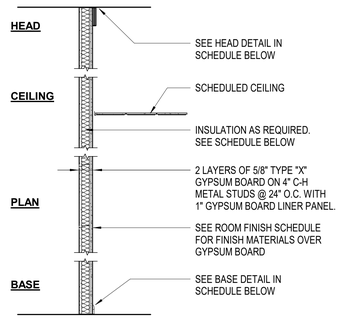
TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S4AA	STC-50	-	W411	C4/A502	B4/A502	ICD 705 COMPLIANT; 3 5/8" METAL STUDS WITH BATT INSULATION.
S4AB	STC-50	-	W411	C4/A502	B4/A502	3 5/8" METAL STUDS WITH BATT INSULATION. WATER-RESISTANT GYPSUM BOARD ON BOTH SIDES
S4AC	STC-50	60 MIN	U465	C4/A502	B4/A502	ICD 705 COMPLIANT; 3 5/8" METAL STUDS WITH BLANKET INSULATION.
S4BA	STC-50	-	W411	C4/A502	B4/A502	ICD 705 COMPLIANT; 6" METAL STUDS WITH BATT INSULATION.
S4BB	STC-50	60 MIN	U465	C4/A502	B4/A502	ICD 705 COMPLIANT; 6" METAL STUDS WITH BATT INSULATION. WATER-RESISTANT GYPSUM BOARD AT UNFINISHED SIDE.

PARTITION TYPE S4D



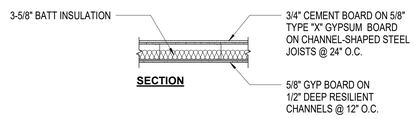
TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S4DA	STC-60	-	V488	C4/A502	B4/A502	(2) 3-5/8" METAL STUDS (STAGGERED) WITH A 1" GAP AND BATT INSULATION.

PARTITION TYPE H3



TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
H3AA	STC-50	120 MIN	U415	C4/A502 SIM	B2/A502 SIM	4" C-H STUDS WITH 3" THICK MINERAL WOOL INSULATION

PARTITION TYPE C3 (CAP SYSTEM)

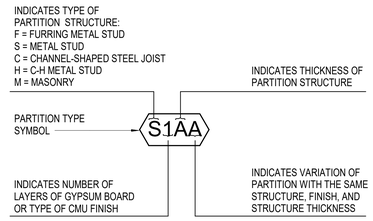


TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
C3AA	-	120 MIN	G556	-	-	6" CHANNEL-SHAPED STEEL JOISTS. CAP SYSTEM AT ELEVATOR SHAFTS.

PARTITION TYPES GENERAL NOTES:

1. WHERE STRUCTURAL MEMBERS PENETRATE FIRE-RATED GYPSUM BOARD WALLS, TAPE & SEAL WITH FIRE STOPPING SEALANT. WHERE STRUCTURAL MEMBERS PENETRATE FIRE-RATED CMU OR CONCRETE WALLS, SEAL WITH FIRE STOPPING SEALANT.
2. PROVIDE MINIMUM 20 GAUGE METAL BACKING AS REQUIRED FOR INSTALLATION OF EXTINGUISHER CABINETS, MESSAGE BOARDS, TOILET ACCESSORIES, TOILET PARTITIONS, WALL AND BASE CABINETS, ACCESS PANELS, ELECTRICAL AND FIRE PROTECTION SYSTEM PANELS, UNLESS NOTED OTHERWISE.
3. REFERENCE DRAWINGS A-101 THRU A-104 FOR PARTITION TYPE LOCATIONS.
4. PROVIDE 362S162-33 METAL STUD DIAGONAL BRACING @ 4'-0" O.C. (ALTERNATE DIRECTIONS) TO UNDERSIDE OF METAL DECK FOR ALL WALLS GREATER THAN 14'-0" IN HEIGHT.
5. ALL PARTITIONS DESIGNATED AS STC-45 (MINIMUM) OR AS STC-50 (MINIMUM) SHALL BE SUBJECT TO TESTING TO DETERMINE STC VALUES STC (SOUND TRANSMISSION CLASS) VALUES ARE BASED ON PERFORMANCE OF SPEECH FREQUENCIES FROM 125-4000 Hz.
6. FOR ALL GYPSUM BOARD PARTITIONS DESIGNATED AS STC-45 (SOUND TRANSMISSION CLASS-45), AT MINIMUM, PROVIDE ONE LAYER OF MINIMUM THICKNESS 5/8" TYPE "X" DRYWALL APPLIED TO EACH SIDE OF 3 5/8" METAL STUDS MAXIMUM 24" O.C. WITH 1" TYPE "S" DRYWALL SCREWS 7" O.C. TO EDGE OF VERTICAL JOINTS AND 12" O.C. TO INTERMEDIATE STUD. ADDITIONAL FACE LAYER (OR LAYERS IF 2 LAYERS APPLIED EACH SIDE FOR STC-50 WALLS) IS 5/8" TYPE "X" DRYWALL APPLIED ON ONE OR BOTH SIDES WITH LAMINATING COMPOUND AND ATTACHED WITH 1 3/8" TYPE "S" DRYWALL SCREWS 8" O.C. TO EDGES AND SIDES AND 12" O.C. TO INTERMEDIATE STUDS STAGGER JOINTS 24" O.C. EACH LAYER AND SIDE MINIMUM 3 1/2" OF GLASS FIBER INSULATION IN CAVITY.
7. PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL TOILET OR RESTROOM WALLS ON WET SIDE WALL.
8. ALL ICD 705 COMPLIANT GYPSUM BOARD PARTITIONS ARE DESIGNED TO MEET STC CRITERIA AS NOTED. PROVIDE TYPE X DRYWALL WITH MINIMUM THICKNESS OF 5/8" APPLIED TO EACH SIDE OF METAL STUDS WITH A MAXIMUM SPACING OF 24" O.C. ATTACH WITH 1" TYPE S DRYWALL SCREWS 7" O.C. TO EDGE OF VERTICAL JOINTS AND 12" O.C. TO INTERMEDIATE STUD FACE LAYERS. USE 5/8" TYPE X DRYWALL APPLIED ON ONE OR BOTH SIDES WITH LAMINATING COMPOUND AND ATTACHED WITH 1 3/8" TYPE S DRYWALL SCREWS 8" O.C. TO EDGES AND SIDES AND 12" O.C. TO INTERMEDIATE STUDS. STAGGER JOINTS 24" O.C. EACH LAYER AND SIDE. MINIMUM 3 1/2" OF GLASS FIBER INSULATION IN CAVITY. ALL MECHANICAL, PLUMBING, ELECTRICAL, COMMUNICATIONS, SECURITY, AND OTHER PENETRATIONS IN SECURE WALLS SHALL BE TAPED AND/OR SEALED FOR FULL THICKNESS OF PENETRATED MATERIAL TO ACHIEVE STC (SOUND TRANSMISSION CLASS) VALUES IN ACCORDANCE WITH JAFAN 6/9.
9. ALL PARTITIONS DESIGNATED ICD 705 COMPLIANT STC-50 (MINIMUM) SHALL BE SUBJECT TO TESTING TO DETERMINE STC VALUES. STC (SOUND TRANSMISSION CLASS) VALUES ARE BASED ON PERFORMANCE OF SPEECH FREQUENCIES FROM 125-4000 Hz.
10. SOUND BATT INSULATION SHOULD BE SECURED TO THE METAL STUD SO THAT IT DOESN'T SAG.

PARTITION TYPE SYMBOL LEGEND:



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

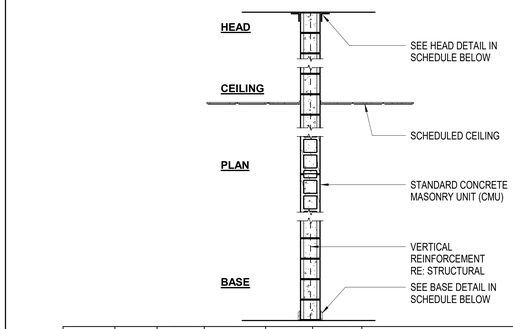
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

PARTITION TYPES

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-501.DWG
SHEET IDENTIFICATION: A-501
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

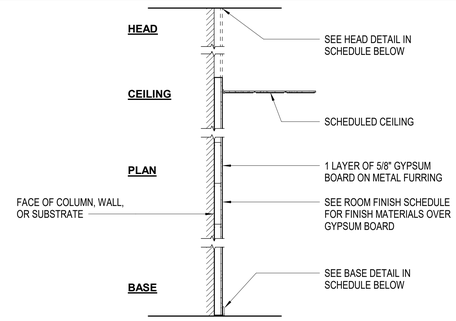
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PARTITION TYPE M1



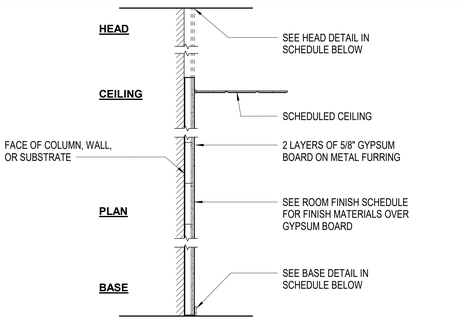
TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
M1CA	-	-	-	-	-	8" NOMINAL MASONRY
M1CC	-	120 MIN	U905	C5/A-502	-	8" NOMINAL MASONRY
M1DC	-	120 MIN	U905	C5/A-502	-	12" NOMINAL MASONRY

PARTITION TYPE F1



TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
F1BA	-	-	-	C2/A502	B2/A502	1 5/8" METAL FURIRNG AT 16" O.C. VERTICALLY
F1CB	-	-	-	C2/A502	B2/A502	2 1/2" FURRING STUDS AT 16" O.C. VERTICALLY

PARTITION TYPE F2



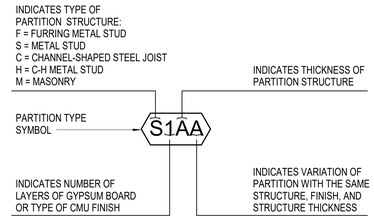
TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
F2CB	-	-	-	C2/A502	B2/A502 SIM	2 1/2" FURRING STUDS AT 16" O.C. VERTICALLY

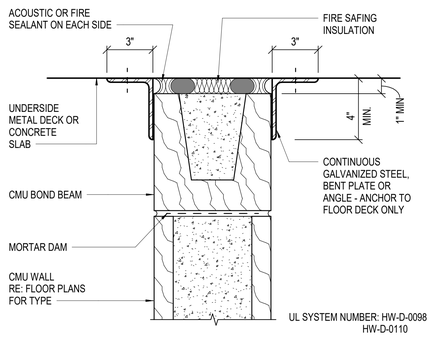
PARTITION TYPES GENERAL NOTES:

1. WHERE STRUCTURAL MEMBERS PENETRATE FIRE-RATED GYPSUM BOARD WALLS, TAPE & SEAL WITH FIRE STOPPING SEALANT. WHERE STRUCTURAL MEMBERS PENETRATE FIRE-RATED CMU OR CONCRETE WALLS, SEAL WITH FIRE STOPPING SEALANT.
2. PROVIDE MINIMUM 20 GAUGE METAL BACKING AS REQUIRED FOR INSTALLATION OF EXTINGUISHER CABINETS, MESSAGE BOARDS, TOILET ACCESSORIES, TOILET PARTITIONS, WALL AND BASE CABINETS, ACCESS PANELS, ELECTRICAL AND FIRE PROTECTION SYSTEM PANELS, UNLESS NOTED OTHERWISE.
3. REFERENCE DRAWINGS A-101 THRU A-104 FOR PARTITION TYPE LOCATIONS.
4. PROVIDE 362S162-33 METAL STUD DIAGONAL BRACING @ 4'-0" O.C. (ALTERNATE DIRECTIONS) TO UNDERSIDE OF METAL DECK FOR ALL WALLS GREATER THAN 14'-0" IN HEIGHT.
5. ALL PARTITIONS DESIGNATED AS STC-45 (MINIMUM) OR AS STC-50 (MINIMUM) SHALL BE SUBJECT TO TESTING TO DETERMINE STC VALUES STC (SOUND TRANSMISSION CLASS) VALUES ARE BASED ON PERFORMANCE OF SPEECH FREQUENCIES FROM 125-4000 Hz.
6. FOR ALL GYPSUM BOARD PARTITIONS DESIGNATED AS STC-45 (SOUND TRANSMISSION CLASS-45), AT MINIMUM, PROVIDE ONE LAYER OF MINIMUM THICKNESS 5/8" TYPE "X" DRYWALL APPLIED TO EACH SIDE OF 3 5/8" METAL STUDS MAXIMUM 24" O.C. WITH 1" TYPE "S" DRYWALL SCREWS 7" O.C. TO EDGE OF VERTICAL JOINTS AND 12" O.C. TO INTERMEDIATE STUD. ADDITIONAL FACE LAYER (OR LAYERS IF 2 LAYERS APPLIED EACH SIDE FOR STC-50 WALLS) IS 5/8" TYPE "X" DRYWALL APPLIED ON ONE OR BOTH SIDES WITH LAMINATING COMPOUND AND ATTACHED WITH 1 3/8" TYPE "S" DRYWALL SCREWS 8" O.C. TO EDGES AND SIDES AND 12" O.C. TO INTERMEDIATE STUDS STAGGER JOINTS 24" O.C. EACH LAYER AND SIDE MINIMUM 3 1/2" OF GLASS FIBER INSULATION IN CAVITY.
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10. SOUND BATT INSULATION SHOULD BE SECURED TO THE METAL STUD SO THAT IT DOESN'T SAG.

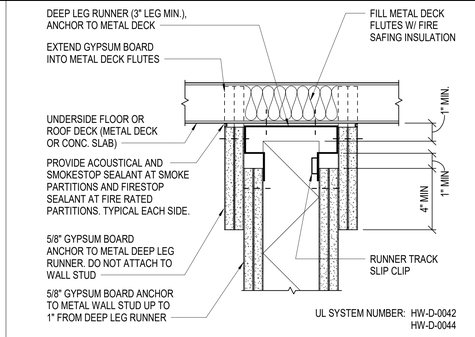
PARTITION TYPE SYMBOL LEGEND:

INDICATES TYPE OF PARTITION STRUCTURE:
F = FURRING METAL STUD
S = METAL STUD
C = CHANNEL-SHAPED STEEL JOIST
H = C-H METAL STUD
M = MASONRY

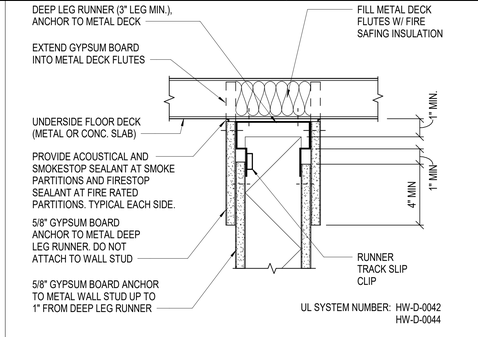




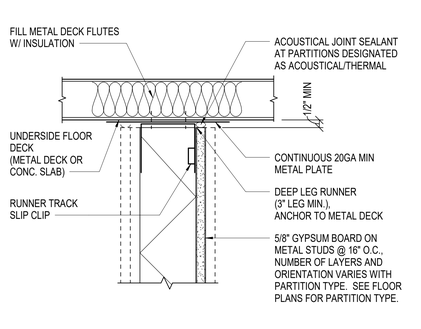
C5 INTERIOR PARTITION DETAILS
SCALE: 3" = 1'-0"



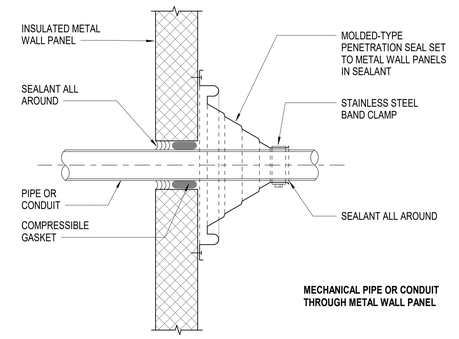
C4 INTERIOR PARTITION DETAILS
SCALE: 3" = 1'-0"



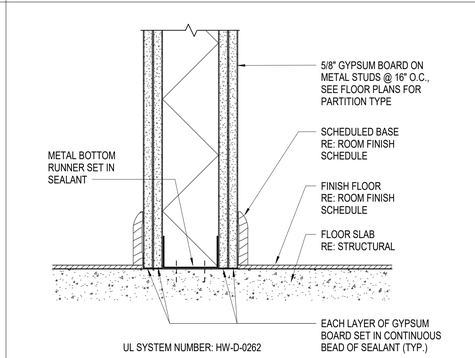
C3 INTERIOR PARTITION DETAILS
SCALE: 3" = 1'-0"



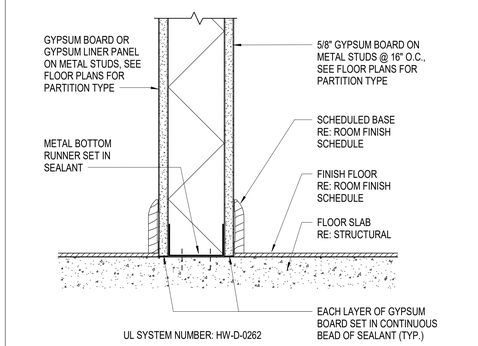
C2 INTERIOR PARTITION DETAILS
SCALE: 3" = 1'-0"



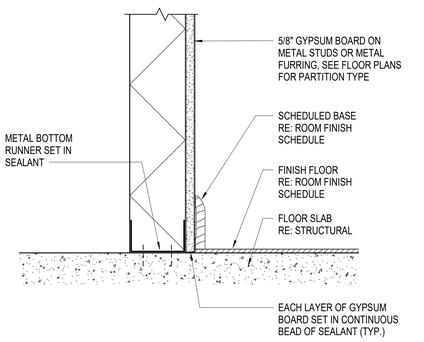
B5 PIPE THROURGH INSUL. MTL PANEL
SCALE: 3" = 1'-0"



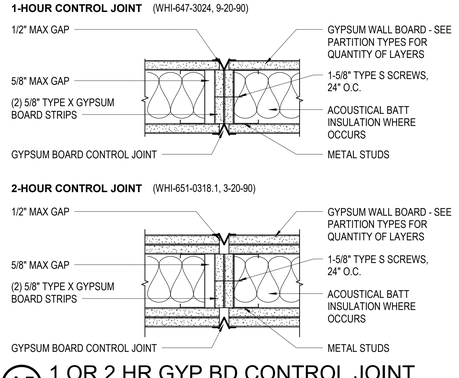
B4 INTERIOR PARTITION DETAILS
SCALE: 3" = 1'-0"



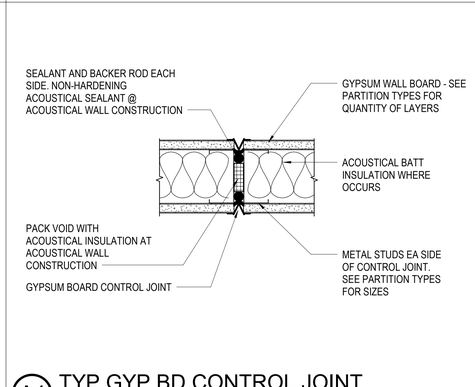
B3 INTERIOR PARTITION DETAILS
SCALE: 3" = 1'-0"



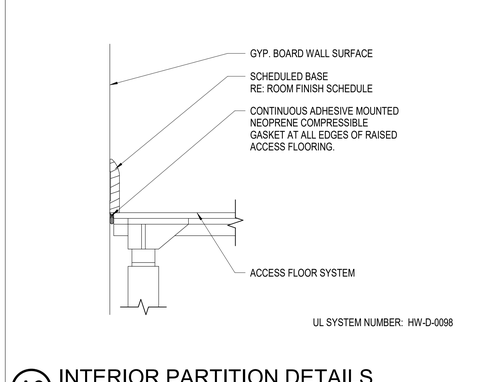
B2 INTERIOR PARTITION DETAILS
SCALE: 3" = 1'-0"



A5 1 OR 2 HR GYP BD CONTROL JOINT
SCALE: 3" = 1'-0"



A4 TYP GYP BD CONTROL JOINT
SCALE: 3" = 1'-0"



A3 INTERIOR PARTITION DETAILS
SCALE: 3" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

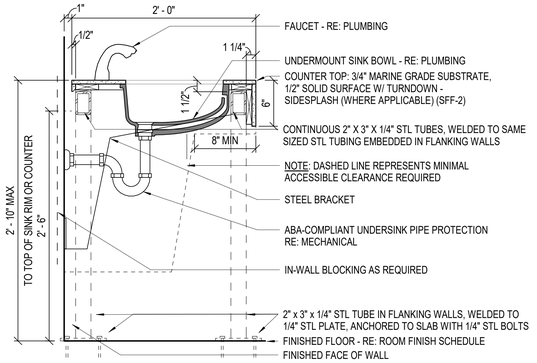
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

PARTITION TYPES AND DETAILS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-502.DWG
SHEET IDENTIFICATION: A-502
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

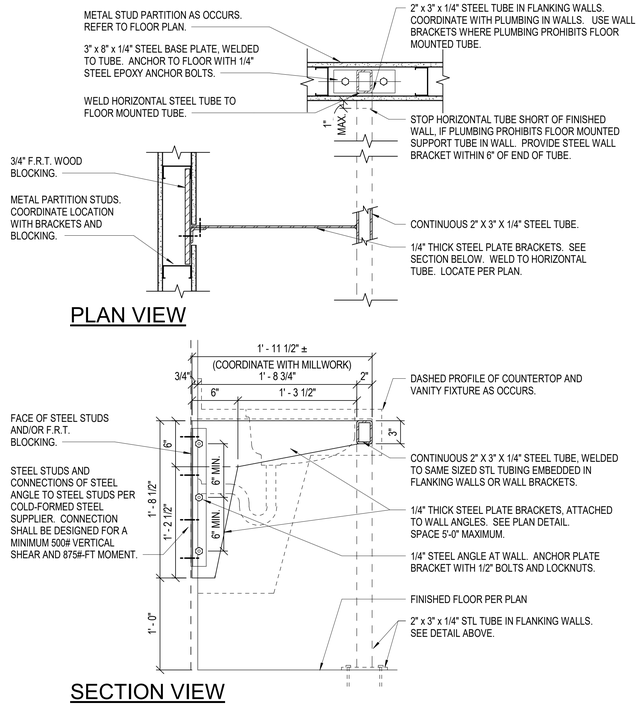
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D5 CASEWORK SECTION BASE CABINET

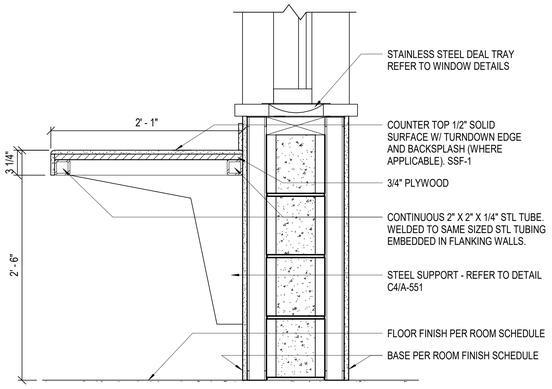
SCALE: 1 1/2" = 1'-0"

0 1/2" 1' 1 1/2"



C4 SECTION DETAIL AT COUNTERTOP BRACE

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



C2 CASEWORK DETAIL @SECURITY WINDOW

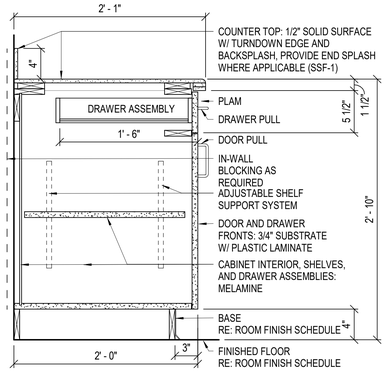
SCALE: 1 1/2" = 1'-0"

0 1/2" 1' 1 1/2"

B5 CASEWORK SECTION UPPER CABINET

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

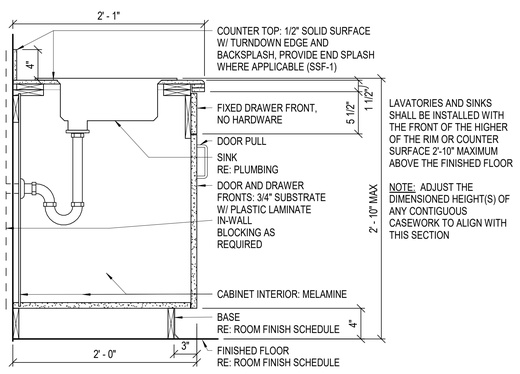
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A5 CASEWORK SECTION BASE CABINET

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

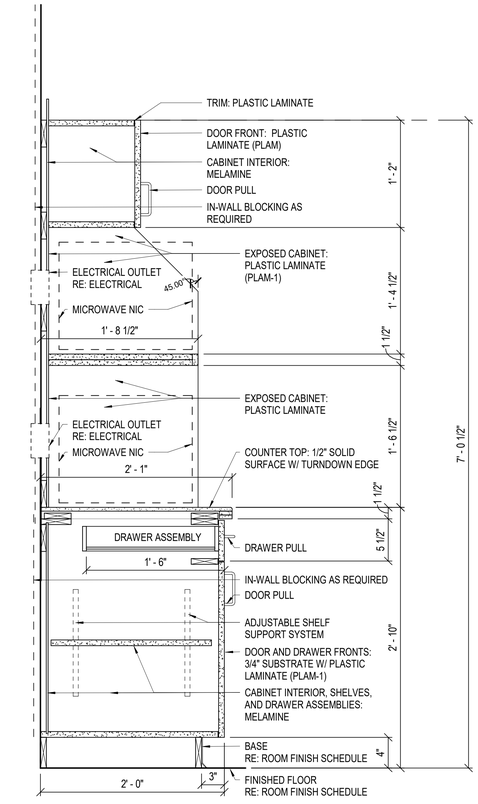
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A4 CASEWORK SECTION BASE CABINET

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

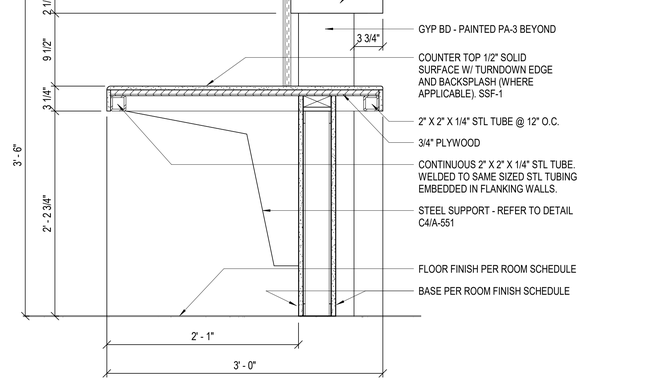
0 1/2" 1' 1 1/2"



B3 CASEWORK SECTION BASE CABINET

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

0 1/2" 1' 1 1/2"



B2 CASEWORK DETAIL @SECURITY COUNTER

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

0 1/2" 1' 1 1/2"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. REESE
DRAWN BY: G. ATZENWEILER
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

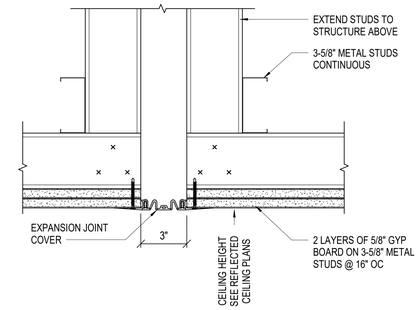
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

CASEWORK DETAILS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-551.DWG
SHEET IDENTIFICATION: A-551
SOLICITATION NO.: ?
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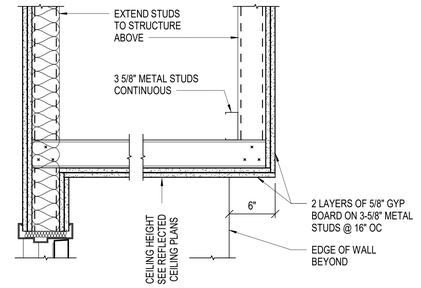
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D1 CEILING EXPANSION JOINT DETAIL

SCALE: 3" = 1'-0"

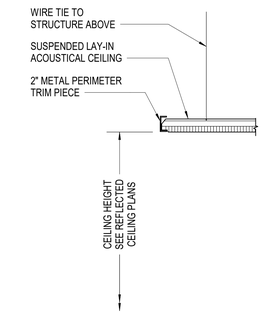
0 3" 6" 9"



C1 CEILING SOFFIT DETAIL

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

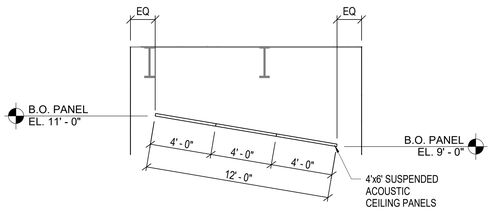
0 1/2' 1' 1 1/2'



B1 TYPICAL LAY-IN CLOUD EDGE DETAIL

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

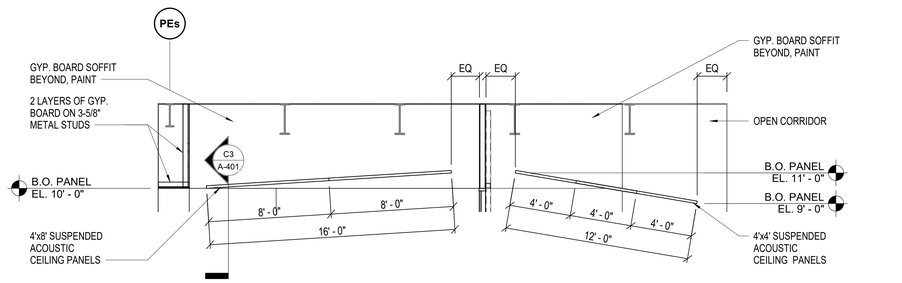
0 1/2' 1' 1 1/2'



A5 CLOUD PANELS @ELEVATORS

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

0 2' 4' 8'



A4 CLOUD PANELS @ENTRY

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

0 2' 4' 8'

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

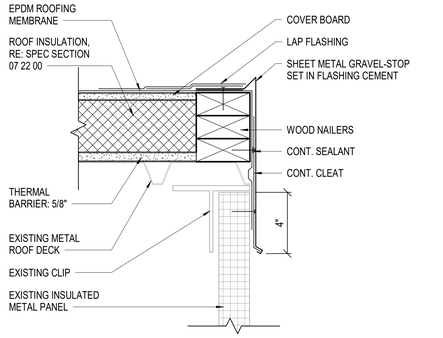
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

CEILING DETAILS

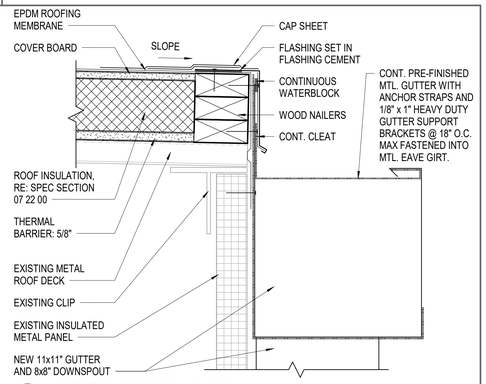
PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/07/14
FILE NUMBER: 104444A-561.DWG
SHEET IDENTIFICATION: A-561
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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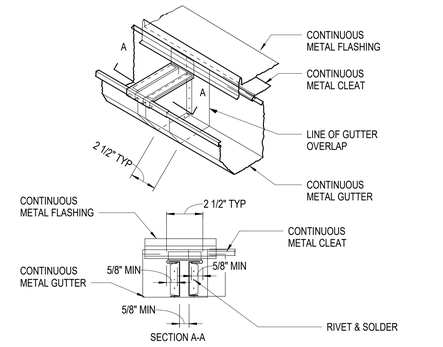
D2 ROOF EDGE DETAIL

SCALE: 3" = 1'-0"



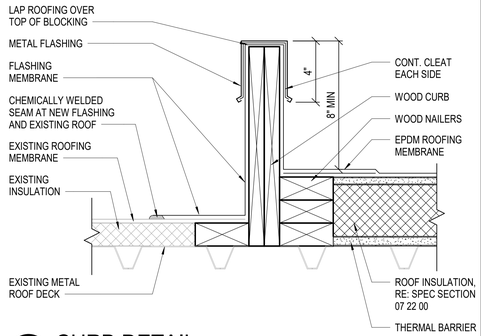
D1 ROOF EDGE DETAIL

SCALE: 3" = 1'-0"



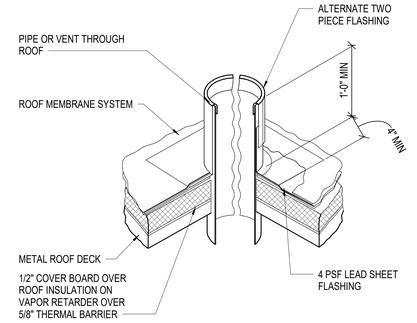
C2 TYPICAL METAL GUTTER EXPANSION JOINT DETAIL

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



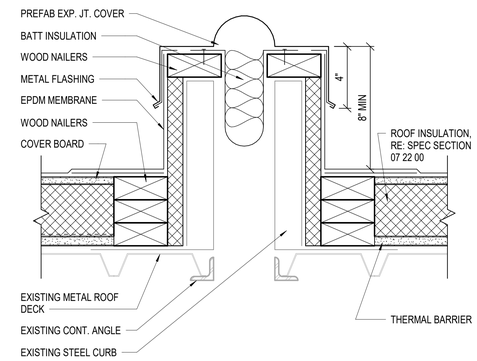
C1 CURB DETAIL

SCALE: 3" = 1'-0"



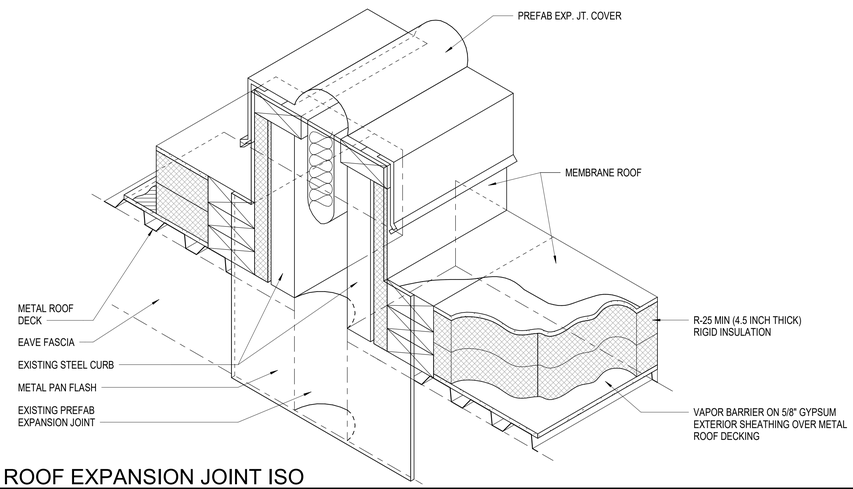
B2 ROOF PENETRATION DETAIL

SCALE:NTS



B1 EXPANSION JOINT DETAIL

SCALE: 3" = 1'-0"



A4 ROOF EXPANSION JOINT ISO

SCALE:NTS

CORRECTED FINAL
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9400 WARD PARKWAY
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US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ROOF DETAILS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-571.DWG
SHEET IDENTIFICATION: A-571
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

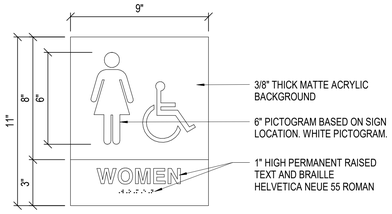
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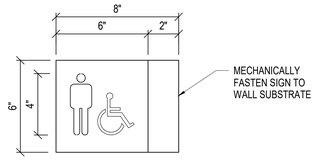
D5 SIGN TYPE A1- STORM SHELTER FLAG
SCALE:NTS



D4 SIGN TYPE A2- STORM SHELTER
SCALE: 6" = 1'-0"



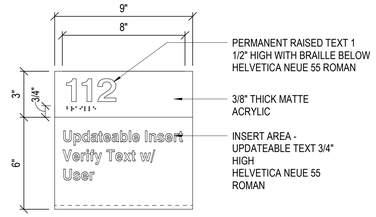
D3 SIGN TYPE B- RESTROOM ACCESSIBLE
SCALE:NTS



D1 SIGN TYPE C- FLAG-MOUNTED
SCALE:NTS

GENERAL SIGNAGE SCHEDULE NOTES:

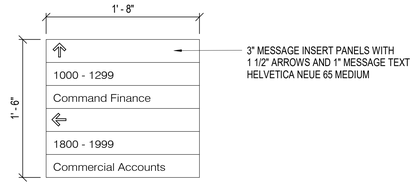
1. REFER TO SIGNAGE PLACEMENT DRAWINGS FOR LOCATION OF INTERIOR SIGNS.
2. REFER TO SIGNAGE DETAILS FOR SIGNAGE CONSTRUCTION AND MOUNTING ELEVATION.
3. REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATION OF SIGNAGE INSTALLATION TO WALL CONSTRUCTION.
4. ALL HARDWARE/MOUNTING ATTACHMENTS TO BE CONCEALED AND APPROPRIATE FOR THE RECEIVING BUILDING SURFACE.
5. ALL SIGNAGE SHALL COMPLY WITH THE MOST CURRENT VERSION OF THE AMERICANS WITH DISABILITIES ACT (ADA).
6. ALL SIGNAGE MOUNTED ON GLASS SHALL HAVE A MATCHING BACK PLATE TO CONCEAL ATTACHMENT METHOD OF SIGN.
7. INSTALL FIRE EXTINGUISHER IDENTIFICATION SIGN ABOVE ALL FIRE EXTINGUISHER CABINETS AND WALL BRACKET MOUNTED EXTINGUISHERS. SEE LIFE SAFETY PLANS FOR FIRE EXTINGUISHER LOCATIONS.
8. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH SIGNAGE MANUFACTURER(S) TO PROVIDE ANY ADDITIONAL SIGNAGE AS REQUIRED BY GOVERNING MUNICIPALITY AT THE SITE LOCATION.
9. ALL MESSAGE TEXT AS SHOWN ON THE SIGN SCHEDULE IS A PLACE HOLDER ONLY AND IS NOT THE FINAL TEXT MESSAGE. ALL MESSAGE TEXT SHALL BE CONFIRMED BY GOVERNMENT END USER PRIOR TO SIGNAGE SHOP DRAWINGS. ALLOW FOR MAXIMUM 4 DIGIT ROOM NUMBERS AND MINIMUM 25 CHARACTER ROOM NAMES TYPICAL FOR ALL SIGNS.
10. PROVIDE EXTERIOR BUILDING NUMBER SIGN PER BASE STANDARDS AND IN ACCORDANCE WITH AIR FORCE SIGN STANDARDS UFC 3-120-1.
11. REFER TO 09 06 00 SCHEDULE OF FINISHES FOR BASIS OF DESIGN OR EQUIVALENT MANUFACTURER, PRODUCT STYLE, MATERIALS AND COLOR.
12. PROVIDE MESSAGE INSERTS FOR WINDOW SIGNS WHERE INDICATED IN THE SIGNAGE DRAWINGS OR SPECIFICATIONS.



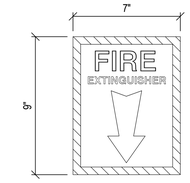
C5 SIGN TYPE D- ROOM IDENTIFICATION
SCALE:NTS



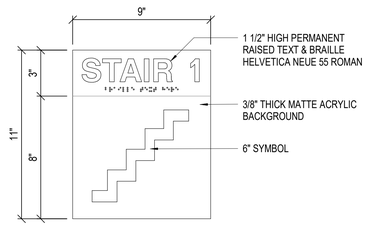
C4 SIGN TYPE E- NO SMOKING
SCALE:NTS



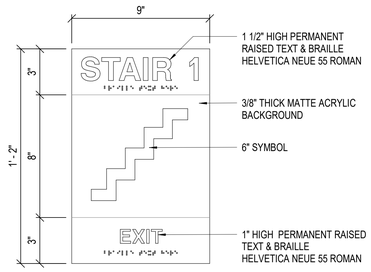
C3 SIGN TYPE F- INTERIOR DIRECTIONAL
SCALE:NTS



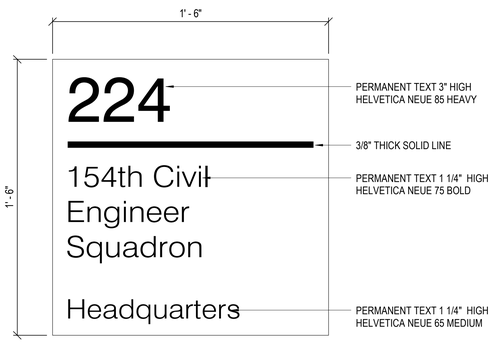
C2 SIGN TYPE G- FIRE EXTINGUISHER
SCALE: 3" = 1'-0"



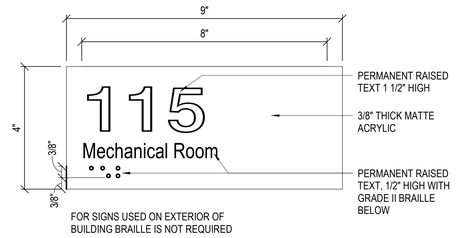
B5 SIGN TYPE H1- STAIR IDENTIFICATION
SCALE: 3" = 1'-0"



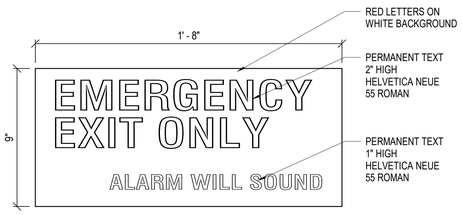
B4 SIGN TYPE H2- STAIR IDENTIFICATION
SCALE: 3" = 1'-0"



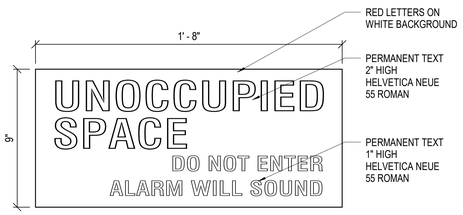
B3 SIGN TYPE J- EXTERIOR BUILDING ENTRANCE
SCALE:NTS



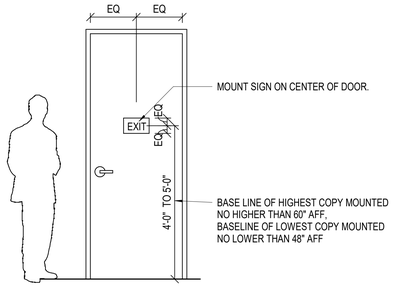
B2 SIGN TYPE K- INTERIOR AND EXTERIOR ROOM IDENTITFICATION SIGN
SCALE:NTS



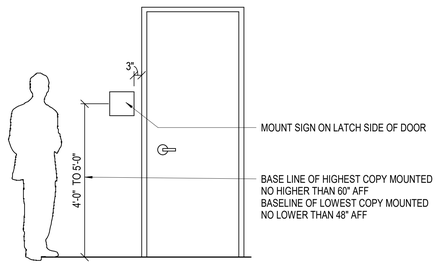
A6 EMERGENCY EXIT SIGN
SCALE: 3" = 1'-0"



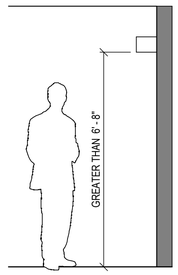
A3 UNOCCUPIED SPACE
SCALE: 3" = 1'-0"



A5 INTERIOR SIGN INSTALLATION - DOOR
SCALE: 1/2" = 1'-0"



A4 INTERIOR SIGN INSTALLATION - WALL
SCALE:NTS



A2 4.17 FLAG-MOUNTED SIGNS ELEVATION1
SCALE:NTS

NOTE: SIGN TO BE ADHEARED TO WALL AS ___APPLICATION.

KEYPLAN

AREA A	AREA B
AREA C	AREA D

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

SIGNAGE DETAILS

PLOT SCALE: AS NOTED 42x30
SIZE:
DATE: 02/20/17
FILE NUMBER: 104444A-581.DWG
SHEET IDENTIFICATION: A-581
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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DOOR SCHEDULE

DOOR NUMBER	DOOR SIZE PAIR DOOR	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	ASSEMBLY RATING	STC	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	HARDWARE SET	REMARKS
GROUND FLOOR																
A100	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	27.0	
A101	PR.	3' - 0"	7' - 7"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	10.0	
A102a	PR.	3' - 0"	8' - 0"	SL-IN	AL	AN	7	AL	AN	-	-	D4/A-621	B4/A-621, A5/A-622	A4/A-621	2.0	4
A102b	PR.	3' - 0"	8' - 0"	SL-IN	AL	AN	7	AL	AN	-	-	D4/A-621	B4/A-621, A5/A-622	A4/A-621	2.0	4
A102c	PR.	3' - 0"	8' - 0"	SL-IN	AL	AN	7	AL	AN	-	-	D4/A-621	B4/A-621, A5/A-622	A4/A-621	1.0	4
A102d	PR.	3' - 0"	8' - 0"	SL	AL	AN	8	AL	AN	-	-	D5/A-621	B4, C4, C5/A-621	B5/A-621	4.0	
A102e	PR.	3' - 0"	8' - 0"	SL	AL	AN	8	AL	AN	-	-	D5/A-621	B4, C4, C5/A-621	B5/A-621	4.0	
A102f	PR.	3' - 0"	8' - 0"	SL	AL	AN	8	AL	AN	-	-	D5/A-621	C5/A-621	B5/A-621	3.0	
A103	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	33.0	
A104a	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	38.0	
A104b	-	3' - 0"	7' - 7"	F-IN	WD	ST	1.1	HM	PT	-	-	D3/A-621	C3/A-621, C5/A-622	B3/A-621	12.0	
A105	-	3' - 0"	7' - 10"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	27.0	
A106	-	3' - 0"	7' - 10"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	27.0	
A107	-	3' - 0"	7' - 10"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	27.0	
A108	-	3' - 0"	7' - 10"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	38.0	
A109a	-	3' - 0"	7' - 10"	F	HM	PT	1.1	HM	PT	90 MIN	-	D2/A-621	C2/A-621	B2/A-621	25.0	2
A109b	-	3' - 0"	7' - 10"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	29.0	
A110	-	3' - 0"	7' - 10"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	37.0	
A111	-	3' - 0"	7' - 10"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	37.0	
A112a	-	3' - 0"	7' - 10"	F	HM	PT	1.1	HM	PT	90 MIN	-	D2/A-621	C2/A-621	B2/A-621	24.0	2
A112b	-	3' - 0"	7' - 10"	F	HM	PT	1.1	HM	PT	90 MIN	-	D2/A-621	C2/A-621	B2/A-621	24.0	2
A113a	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	8.0	
A113b	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	6.0	
A114	-	3' - 0"	7' - 10"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	39.1	
A116	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
A117	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A118	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A119	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
A120	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	50	D1/A-621	C1/A-621	B1/A-621	35.0	
A121	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	50	D1/A-621	C1/A-621	B1/A-621	35.0	
A122	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
A123	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
A124	-	3' - 0"	7' - 10"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	16.0	
A125	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A126	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	31.0	
A127	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A128a	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	15.0	
A128b	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	14.0	
A128c	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	15.0	
A128d	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
A129	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A130	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A131	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A132	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A133	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
A134	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A135	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A136	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A137	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	16.0	
A138	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
A139	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A140	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A141	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
A142	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A143	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A144	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A145	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A146	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
A147	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A148	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A149	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A150	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
A151	-	3' - 0"	7' - 7"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621, C5/A-622	B3/A-621	12.0	
A152a	PR.	2' - 6"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	46.0	
A152b	PR.	2' - 6"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	46.0	
A153	PR.	3' - 0"	7' - 10"	F	HM	PT	1.1	HM	PT	90 MIN	-	C3/A-622	B3/A-622	A3/A-622	47.0	
B101	PR.	3' - 0"	7' - 7"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	13.0	
B102	PR.	3' - 0"	7' - 7"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	10.0	
B103a	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	28.0	
B103b	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	28.0	
B104	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	26.0	
B105	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	26.0	
B106	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	48.0	
B108	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	31.0	
B109	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
B110	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
B111	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
B112	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
B113	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	16.0	
B114	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
B115	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
B116	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
B117	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	50	D1/A-621	C1/A-621	B1/A-621	35.0	
B118	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	50	D1/A-621	C1/A-621	B1/A-621	35.0	
B119	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	32.0	
B120	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	31.0	
B121	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	A5/A-621	44.0	5
B122	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	A5/A-621	16.0	
B123a	PR.	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	50	D1/A-621	C1/A-621	B1/A-621	34.0	
B123b	PR.	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	50	D1/A-621	C1/A-621	B1/A-621	34.0	
B124	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
B125	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
B127a	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-		D1/A-621	C1/A-621	B1/A-621	46.0	
B127b	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-		D1/A-621	C1/A-621	B1/A-621	46.0	
B128	-	3' - 0"	8' - 0"	FG	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	49.0	
B129	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	49.0	
C101	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C102	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C103	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	30.0	
C104a	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C104b	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C105a	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C105b	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C106	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C107	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C108	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	

DOOR SCHEDULE

DOOR NUMBER	DOOR SIZE PAIR DOOR	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	ASSEMBLY RATING	STC	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	HARDWARE SET	REMARKS
C109	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C110a	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C110b	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C111a	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C111b	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C112	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C113	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C114	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C115	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C116a	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C116b	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C118	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	16.0	
C119a	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C119b	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	35.0	
C120	PR.	3' - 0"	7' - 7"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	10.0	
C121	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C122	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C123	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C124	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
C125	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	9.0	
C126a	-	3' - 0"	7' - 0"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	5.0	1
C127a	PR.	3' - 6"	8' - 0"	F-IN	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	11.0	
C127b	PR.	3' - 6"	8' - 0"	F-IN	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	11.0	
D100a	-	3' - 0"	7' - 7"	NL-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	6.0	
D100b	-	3' - 0"	8' - 0"	NL	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	7.0	
D102	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	A5/A-621	40.0	
D103	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	41.0	
D104	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
D105	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	36.0	
D106a	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	A5/A-621	42.0	
D106b	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	A5/A-621	32.0	
D107	-	4' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	43.0	
D108	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	41.0	
D110	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	41.0	
D111a	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	33.0	
D111b		8' - 0"	8' - 0"	OH-C	STL	FF		STL	FF	-	-	D2/A-622	C2/A-622	B2/A-622	50.0	3
D111c		12' - 0"	12' - 0"	OH-C	STL	FF		STL	FF	-	-	D1/A-622	C1/A-622	B1/A-622	50.0	3
D112	-	3' - 0"	7' - 7"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	12.0	
D113	PR.	3' - 0"	7' - 7"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	10.0	
D114	-	3' - 0"	8' - 0"	NL	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	7.0	
D115	-	3' - 0"	7' - 7"	NL-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	6.0	
D116	PR.	3' - 0"	7' - 7"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621	C3/A-621	B3/A-621	13.0	
D117a	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	C4/A-622	22.0	
D117b	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	C4/A-622	22.0	
D117c	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	C4/A-622	22.0	
D117d	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	C4/A-622	21.0	
D117e	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	C4/A-622	22.0	
D117f	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	C4/A-622	22.0	
D117g	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	20.0	
D117h	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	20.0	
D117j	-	3' - 0"	8' - 0"	F	WD	ST	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	20.0	
D117k	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	22.0	
D117m	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	45.0	5
D117n	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	39.0	
D117p	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	39.0	
D117q	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	23.0	
D117r	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	22.1	
D117s	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	B1/A-621	22.1	
D117t	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	C4/A-622	22.1	
D117u	PR.	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	45	D1/A-621	C1/A-621	C4/A-622	22.1	
D118a	-	3' - 0"	7' - 0"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621 SIM	C3/A-621 SIM	B3/A-621	5.0	1
D118b	-	3' - 0"	7' - 0"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621 SIM	C3/A-621 SIM	B3/A-621	5.0	1
D118c		12' - 0"	14' - 0"	OH-C	STL	FF		STL	FF	-	-	D4/A-622	D3/A-622	B1/A-622	50.0	3
D119	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	38.0	
D120	-	3' - 0"	8' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621	38.0	
EL02	-	3' - 0"	7' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621		
EL04	-	3' - 0"	7' - 0"	F	HM	PT	1.1	HM	PT	-	-	D1/A-621	C1/A-621	B1/A-621		
ST01a	-	3' - 0"	7' - 0"	F	HM	PT	1.2	HM	PT	90 MIN	-	C3/A-622	B3/A-622	A3/A-622	19.0	1
ST01b	-	3' - 0"	7' - 0"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621 SIM	C3/A-621 SIM	B3/A-621	5.0	1
ST02a	-	3' - 0"	7' - 0"	F	HM	PT	1.2	HM	PT	90 MIN	-	C3/A-622	B3/A-622	A3/A-622	18.0	1
ST02b	-	3' - 0"	7' - 0"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621 SIM	C3/A-621 SIM	B3/A-621	5.0	1
ST03a	-	3' - 0"	7' - 0"	F-IN	HM	PT	1.1	HM	PT	90 MIN	-	C3/A-622	B3/A-622	A3/A-622	17.0	1
ST03b	-	3' - 0"	7' - 0"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621 SIM	C3/A-621 SIM	B3/A-621	5.0	1
ST04a	-	3' - 0"	7' - 0"	F-IN	HM	PT	1.1	HM	PT	90 MIN	-	C3/A-622	B3/A-622	A3/A-622	17.0	1
ST04b	-	3' - 0"	7' - 0"	F-IN	HM	PT	1.1	HM	PT	-	-	D3/A-621 SIM	C3/A-621 SIM	B3/A-621	5.0	1

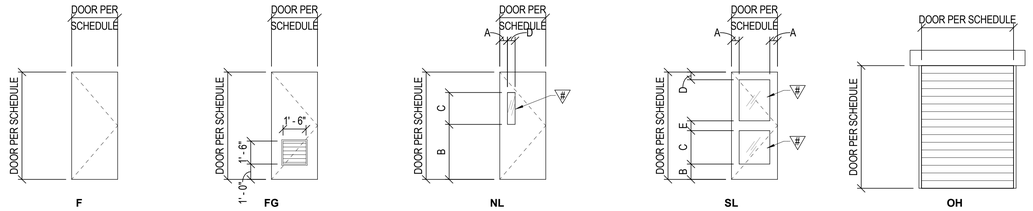
DOOR SCHEDULE REMARKS:

1. NEW DOOR, FRAME, AND HARDWARE TO REPLACE EXISTING DOOR. FIELD VERIFY SIZE OF EXISTING OPENING.
2. STORM SHELTER DOOR. DOOR AND FRAME TO MEET FEMA TORNADO SHELTER REQUIREMENTS (ICC500-2014 & FEMA P-361-2015). STEEL DOOR TO BE 14GA. MIN. WITH INTERNAL 20GA. STEEL RIBS AND A HONEYCOMB CORE. STEEL DOOR FRAMES TO BE 14GA. MIN. ATTACHED TO THE ADJACENT MASONRY WITH (5) T-ANCHORS IN THE JAMB AND (3) T-ANCHORS IN THE HEAD. REFER TO SPECIFICATIONS SECTION 08 11 13.
3. ROLLING SERVICE DOOR. REFER TO SPECIFICATION SECTION 08 33 23.
4. THREE EQUAL SIZED OPENINGS FOR THREE PAIRS OF DOORS. FIELD VERIFY WIDTH.
5. REMOVABLE CENTER MULLION.

DOOR AND FRAME LEGEND

FINISH	
AN	ANODIZED
FF	FACTORY FINISHED
PT	PAINTED
ST	STAINED
MATERIAL	
AL	ALUMINUM
HM	HOLLOW METAL
STL	GALVANIZED STEEL
WD	WOOD
SIZE	
-	SINGLE DOOR
PR	PAIR OF DOORS
UPR	UNEQUAL PAIR

*REFERENCE DOOR OR FRAME SPECIF



(FLUSH PANEL)	
TYPE	DESCRIPTION
F-IN	FLUSH PANEL INSULATED
F	FLUSH PANEL

(FLUSH PANEL W/ GRILLE)	
TYPE	DESCRIPTION
FG	FLUSH PANEL W/ GRILLE

(NARROW LIGHT)						
TYPE	DESCRIPTION	A	B	C	D	#
NL	NARROW LITE	6"	43"	24"	4"	2
NL-IN	NARROW LITE INSULATED	6"	43"	24"	4"	1

(SPLIT LITE)							
TYPE	DESCRIPTION	A	B	C	D	E	#
SL	SPLIT LITE	6"	10"	24"	8"	6"	2
SL-IN	SPLIT LITE INSULATED	6"	10"	24"	8"	6"	1

(OVERHEAD)	
TYPE	DESCRIPTION
OH-C	ROLLING SERVICE DOOR

DOOR TYPES

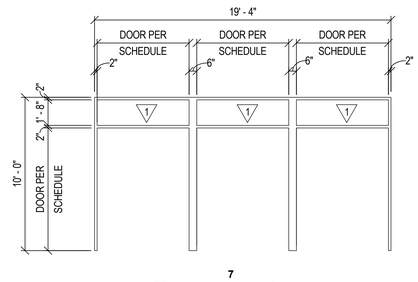
NOT TO SCALE

1

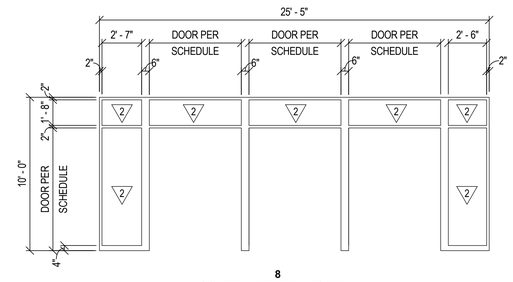
(DOOR FRAME)		
TYPE	A	B
1.1	2"	2"
1.2	2"	4"

FRAME TYPES

NOT TO SCALE



7
LOCATED AT ENTRY VESTIBULE



8
LOCATED AT ENTRY VESTIBULE

STOREFRONT FRAME TYPES

NOT TO SCALE

GLASS OR PANEL INFILL TYPES:

REFERENCE SPECIFICATION SECTIONS 08 34 02 AND 08 81 00 FOR GLASS TYPES. SEE A-611 FOR DOOR GLAZING. SEE A-651 FOR WINDOW GLAZING.

1 INSULATED LAMINATED GLAZING UNIT

2 LAMINATED GLAZING UNIT

3 BULLET RESISTANT PLASTIC SHEET

4 MIRROR

SYMBOL	REVISIONS	DATE	APPROVED

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

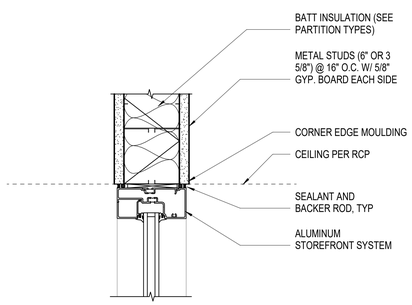
DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

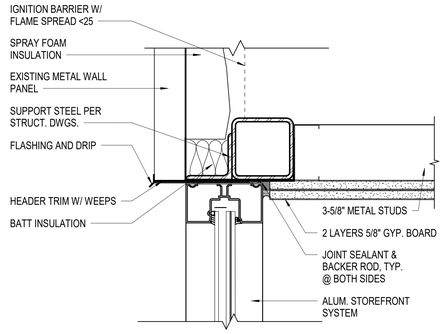
DOOR AND FRAME TYPES

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/23/17
FILE NUMBER: 104444A-611.DWG
SHEET IDENTIFICATION: A-611
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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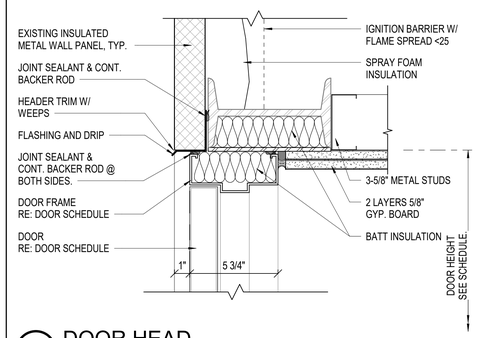
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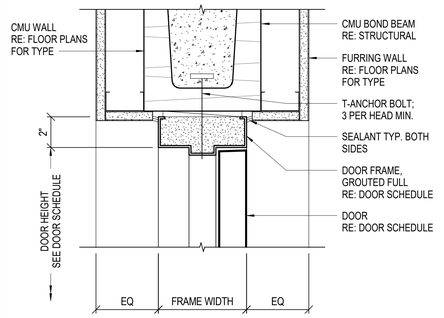
D5 STOREFRONT HEAD
SCALE: 3" = 1'-0"



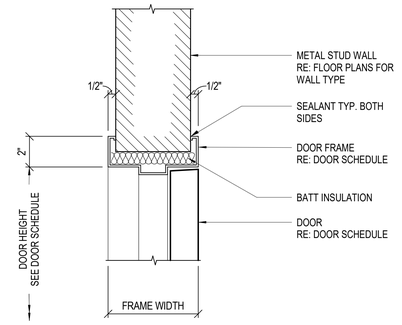
D4 STOREFRONT HEAD
SCALE: 3" = 1'-0"



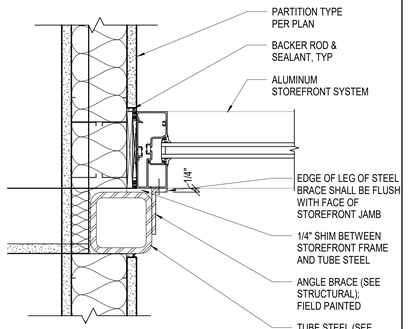
D3 DOOR HEAD
SCALE: 3" = 1'-0"



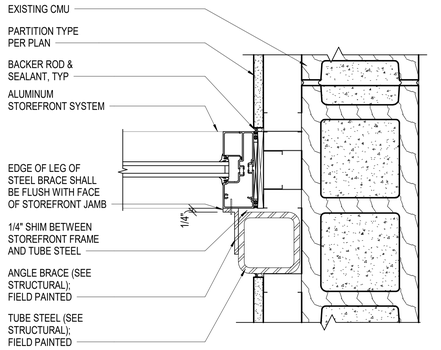
D2 DOOR HEAD
SCALE: 3" = 1'-0"



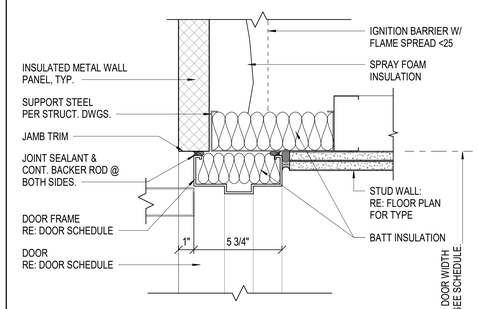
D1 DOOR HEAD
SCALE: 3" = 1'-0"



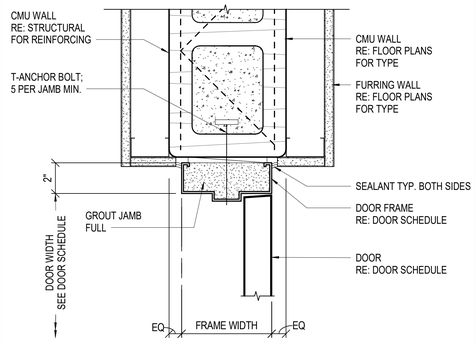
C5 STOREFRONT JAMB
SCALE: 3" = 1'-0"



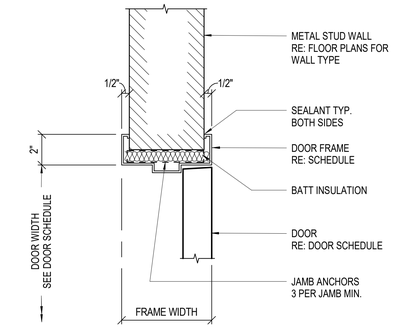
C4 STOREFRONT JAMB
SCALE: 3" = 1'-0"



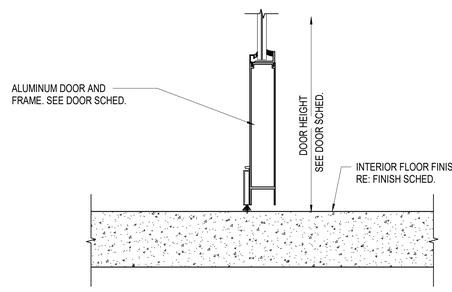
C3 DOOR JAMB
SCALE: 3" = 1'-0"



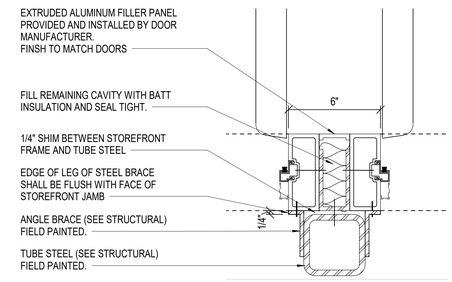
C2 DOOR JAMB
SCALE: 3" = 1'-0"



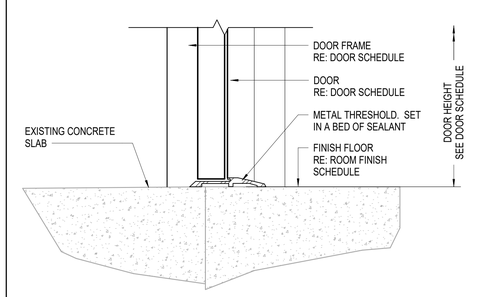
C1 DOOR JAMB
SCALE: 3" = 1'-0"



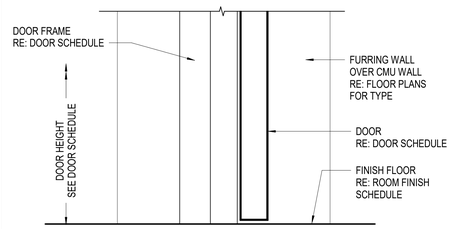
B5 DOOR SILL
SCALE: 3" = 1'-0"



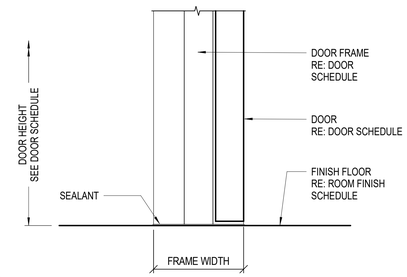
B4 DOOR JAMB
SCALE: 3" = 1'-0"



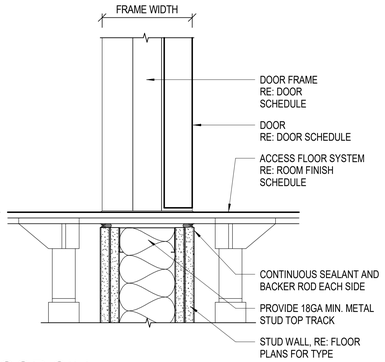
B3 DOOR SILL
SCALE: 3" = 1'-0"



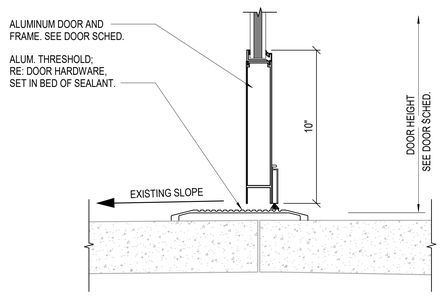
B2 DOOR SILL
SCALE: 3" = 1'-0"



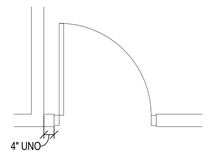
B1 DOOR SILL
SCALE: 3" = 1'-0"



A5 DOOR SILL
SCALE: 3" = 1'-0"



A4 DOOR SILL
SCALE: 3" = 1'-0"



A3 STANDARD DOOR PLACEMENT DETAIL
SCALE: 1/2" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

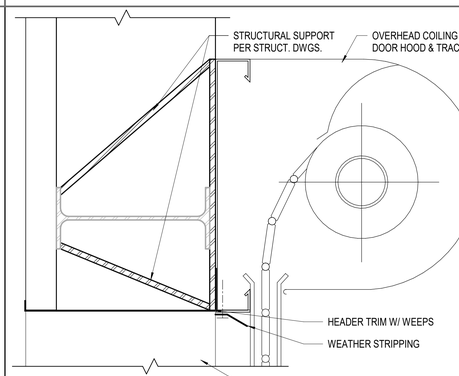
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

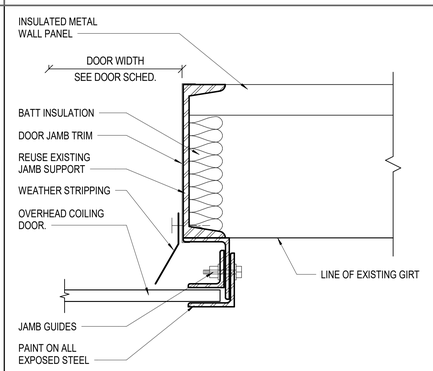
DOOR DETAILS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/19/13
FILE NUMBER: 104444A-621.DWG
SHEET IDENTIFICATION: A-621
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

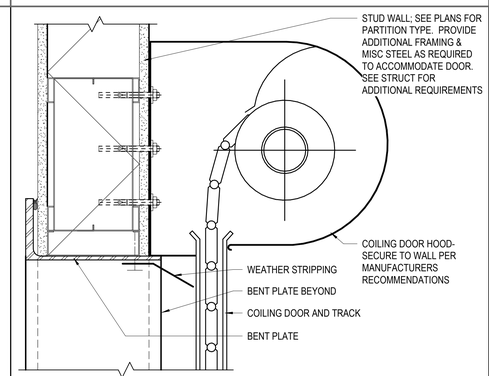
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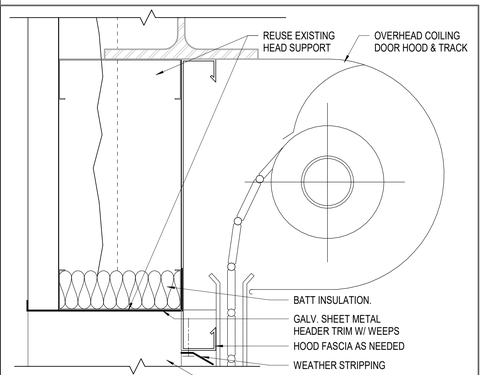
D4 OHCD HEAD
SCALE: 3" = 1'-0"



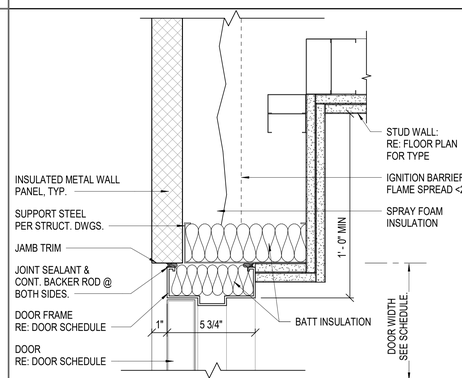
D3 OHCD JAMB
SCALE: 3" = 1'-0"



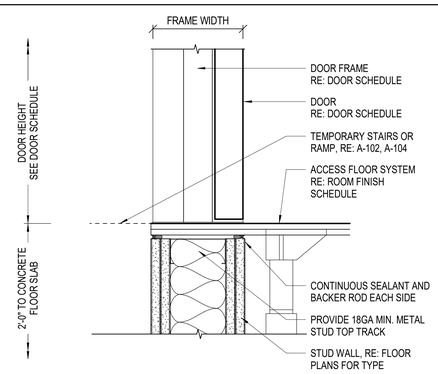
D2 OHCD HEAD - INTERIOR @ STUD WALL
SCALE: 3" = 1'-0"



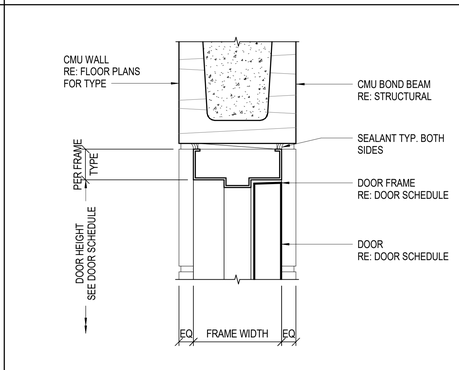
D1 OHCD HEAD
SCALE: 3" = 1'-0"



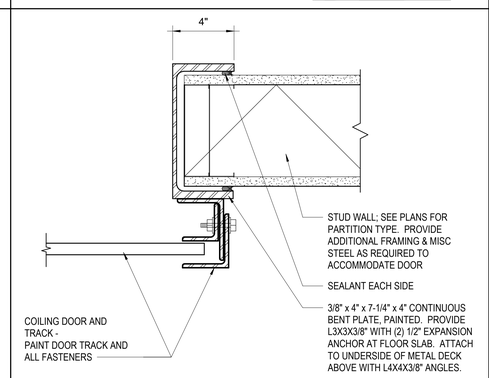
C5 DOOR JAMB - STRIKE SIDE
SCALE: 3" = 1'-0"



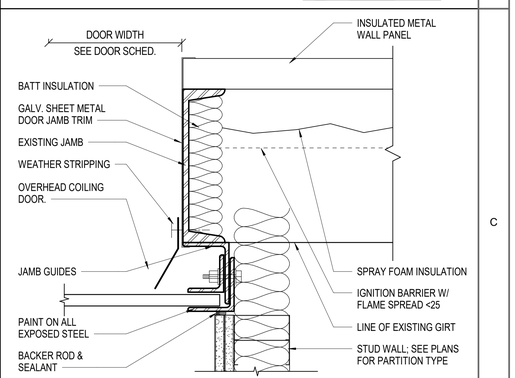
C4 DOOR SILL
SCALE: 3" = 1'-0"



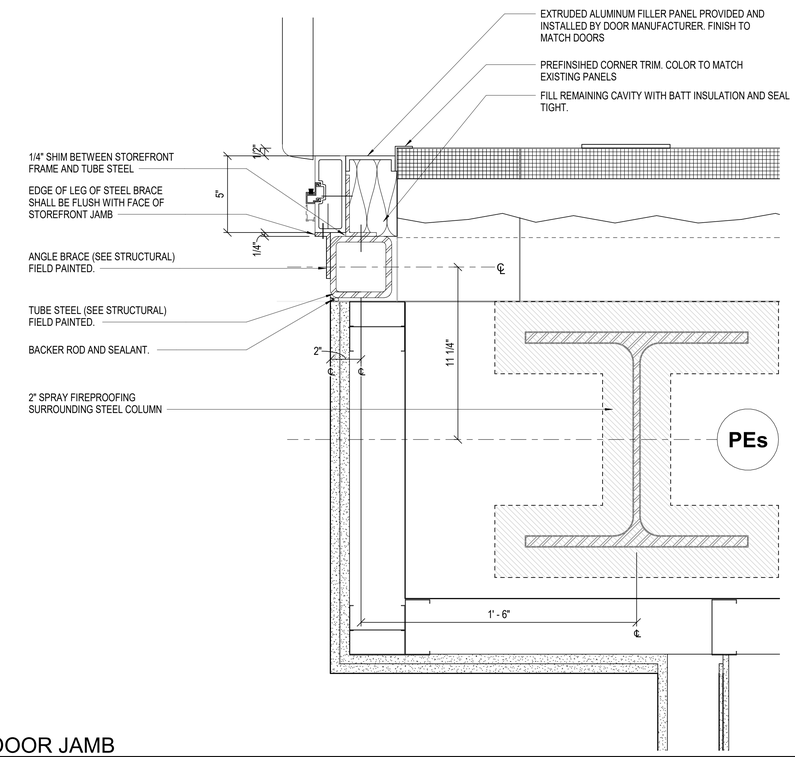
C3 DOOR HEAD
SCALE: 3" = 1'-0"



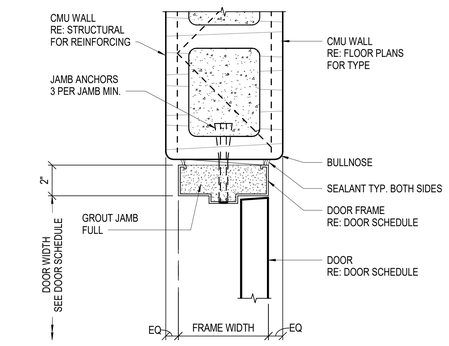
C2 OHCD JAMB - INTERIOR @ STUD WALL
SCALE: 3" = 1'-0"



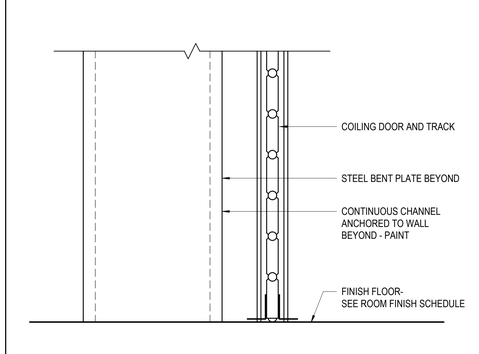
C1 OHCD JAMB
SCALE: 3" = 1'-0"



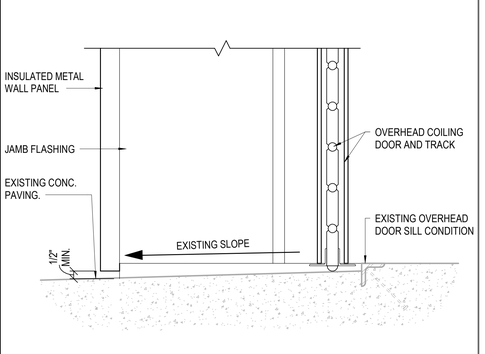
A5 DOOR JAMB
SCALE: 3" = 1'-0"



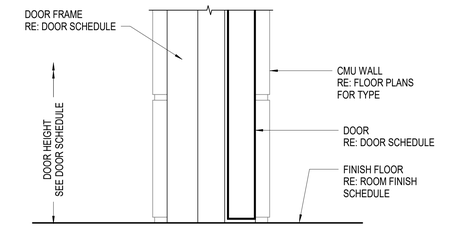
B3 DOOR JAMB
SCALE: 3" = 1'-0"



B2 OHCD SILL - INTERIOR @ STUD WALL
SCALE: 3" = 1'-0"



B1 OHCD SILL
SCALE: 3" = 1'-0"



A3 DOOR SILL
SCALE: 3" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

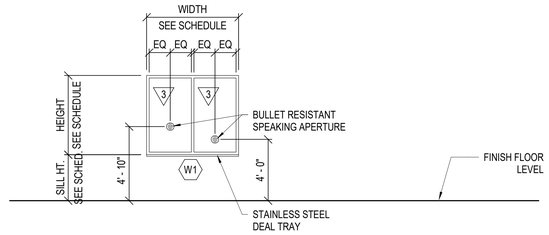
DESIGNED BY: S. WILLIAMSON
DRAWN BY: S. WILLIAMSON
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

DOOR DETAILS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/02/18
FILE NUMBER: 104444A-622.DWG
SHEET IDENTIFICATION: A-622
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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WINDOW TYPES

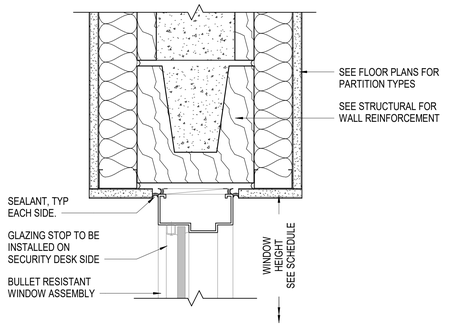
SCALE:NTS

WINDOW SCHEDULE

QUANTITY	TYPE	SIZE		SILL HEIGHT	DETAIL			REMARKS
		WIDTH	HEIGHT		HEAD	JAMB	SILL	
1	W1	6' - 0"	5' - 2"	3' - 0"	C3/A-551	B3/A-551	A3/A-551	1

WINDOW SCHEDULE REMARKS:

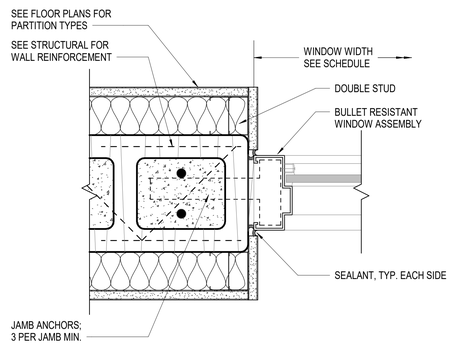
1. WINDOW ASSEMBLY TO BE BULLET RESISTENT. SEE SPECIFICATIONS SECTION 08 34 02.



C3 WINDOW HEAD

SCALE: 3" = 1'-0"

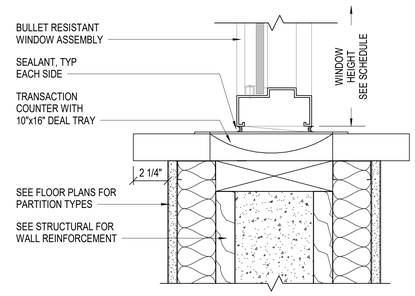
0 3" 6" 9"



B3 WINDOW JAMB

SCALE: 3" = 1'-0"

0 3" 6" 9"



A3 WINDOW SILL

SCALE: 3" = 1'-0"

0 3" 6" 9"

GLASS OR PANEL INFILL TYPES:

REFERENCE SPECIFICATION SECTIONS 08 34 02 AND 08 81 00 FOR GLASS TYPES. SEE A-611 FOR DOOR GLAZING. SEE A-651 FOR WINDOW GLAZING.

1. INSULATED LAMINATED GLAZING UNIT
2. LAMINATED GLAZING UNIT
3. BULLET RESISTANT PLASTIC SHEET
4. MIRROR

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

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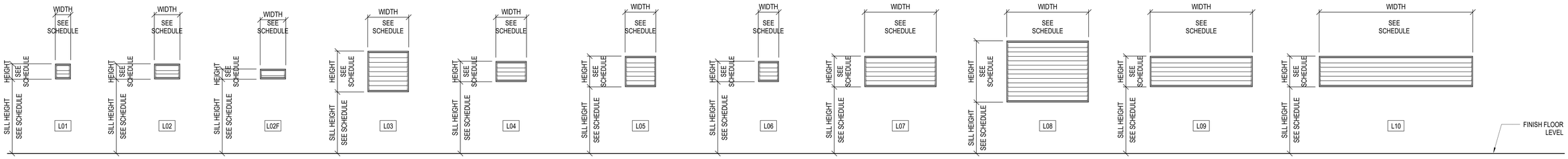
US Army Corps of Engineers

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OKLAHOMA CITY, OKLAHOMA

WINDOW SCHEDULE AND DETAILS

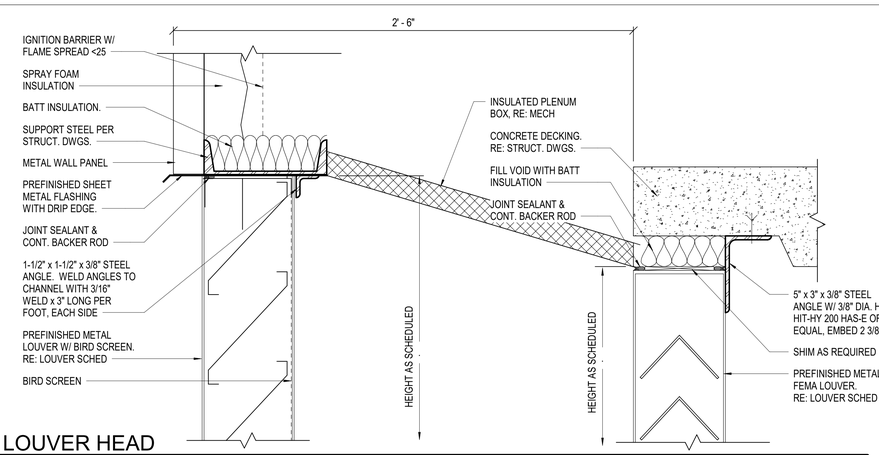
PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-651.DWG
SHEET IDENTIFICATION: A-651
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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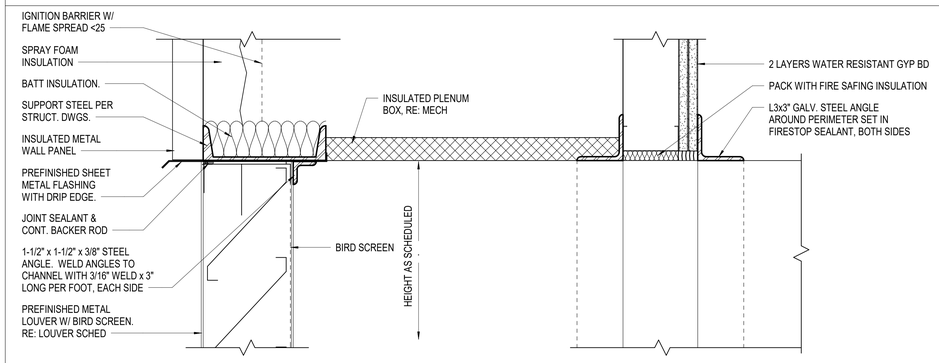
LOUVER TYPES

SCALE: NTS



C5 LOUVER HEAD

SCALE: 3" = 1'-0"



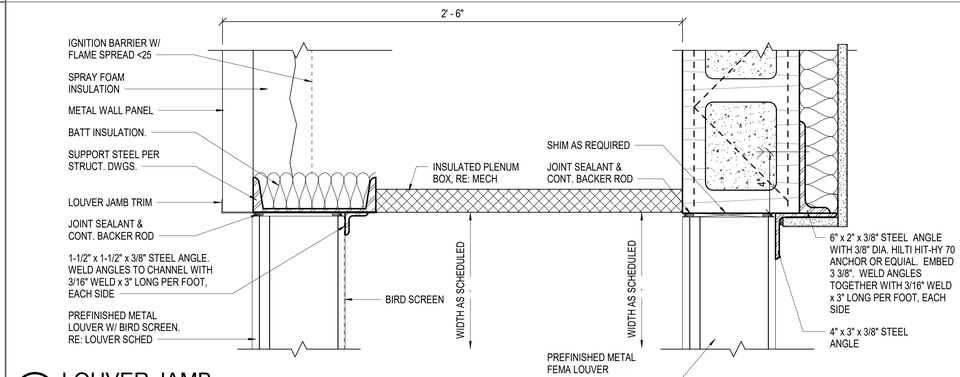
C3 LOUVER HEAD

SCALE: 3" = 1'-0"

LOUVER SCHEDULE									
		SIZE		HEAD	SILL	DETAILS			
QTY	TYPE	WIDTH	HEIGHT	HEIGHT	HEIGHT	HEAD	JAMB	SILL	REMARKS
1	L01	1' - 6"	1' - 6"	11' - 10"	10' - 4"	C3/A-671	B3/A-671	A3/A-671	
2	L02	2' - 6"	1' - 6"	10' - 10"	9' - 4"	C5/A-671	B5/A-671	A5/A-671	
2	L02F	2' - 6"	1' - 0"	10' - 4"	9' - 4"	C5/A-671	B5/A-671	A5/A-671	1
1	L03	4' - 0"	4' - 0"	13' - 4"	9' - 4"	C3/A-671	B3/A-671	A3/A-671	
3	L05	3' - 0"	3' - 0"	13' - 4"	10' - 4"	C3/A-671	B3/A-671	A3/A-671	
2	L06	2' - 0"	2' - 0"	12' - 4"	10' - 4"	C3/A-671	B3/A-671	A3/A-671	
3	L07	7' - 0"	3' - 0"	13' - 4"	10' - 4"	C3/A-671	B3/A-671	A3/A-671	
1	L09	10' - 0"	3' - 0"	13' - 4"	10' - 4"	C3/A-671	B3/A-671	A3/A-671	
2	L10	15' - 0"	3' - 0"	13' - 4"	10' - 4"	C3/A-671	B3/A-671	A3/A-671	

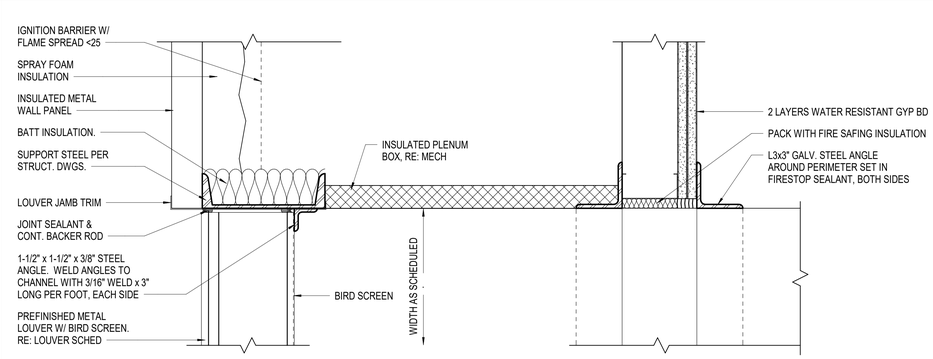
LOUVER SCHEDULE REMARKS:

1. LOUVER TO MEET FEMA TORNADO SHELTER REQUIREMENTS (ICC500-2014 & FEMA P-361-2015).



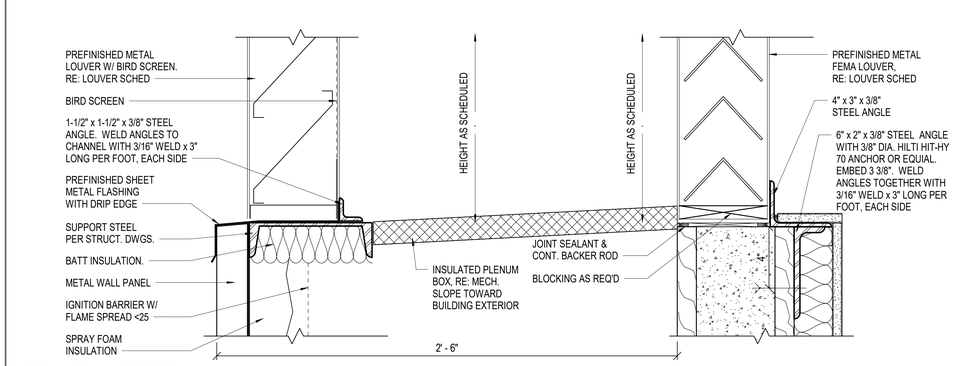
B5 LOUVER JAMB

SCALE: 3" = 1'-0"



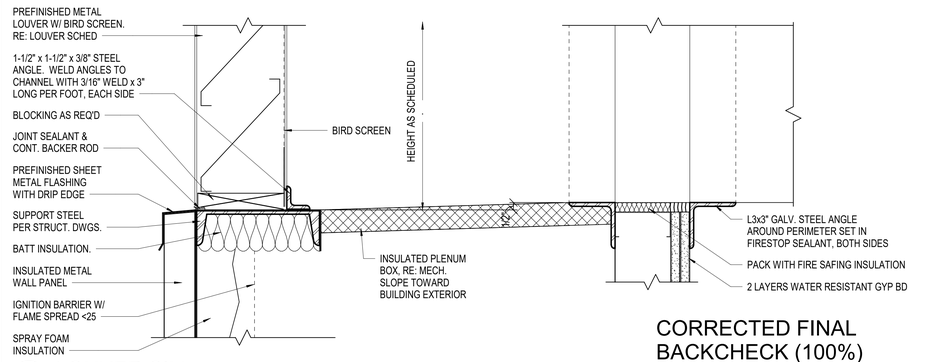
B3 LOUVER JAMB

SCALE: 3" = 1'-0"



A5 LOUVER SILL

SCALE: 3" = 1'-0"



A3 LOUVER SILL

SCALE: 3" = 1'-0"

CORRECTED FINAL
BACKCHECK (100%)
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ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING	REMARKS
			MATERIAL	NORTH	EAST	SOUTH	WEST		
GROUND FLOOR									
A100	NURSING ROOM	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
A101	CONTROL ROOM	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
A102	ENTRY VEST	CPT-2/CPT-3	RB-1	PA-1	PA-1	PA-1	PA-1/PA-4	ACP-1/PA-4	5
A103	SECURITY DESK	CPT-1	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
A104	FIRE ALARM	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
A105	TLT	TLP-1	TLP-1	TLP-2	TLP-2	TLP-2	TLP-2	PA-5	
A106	TLT	TLP-1	TLP-1	TLP-2	TLP-2	TLP-2	TLP-2	PA-5	
A107	TLT	TLP-1	TLP-1	TLP-2	TLP-2	TLP-2	TLP-2	PA-5	
A108	SERVICE CLOSET	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
A109	CORR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
A110	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
A111	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A112	NON-SECURED WORK AREA	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
A113	CORR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
A114	NON-SECURED CONF ROOM	CPT-1	RB-1	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
A115	CORR	CP-1/CPT-2/CPT-3	RB-1	PA-1/PA-2/PA-3/PA-4	PA-1	PA-1/PA-2/PA-3/PA-4	PA-1	ACP-1/PA-4	5
A116	CONTRACT	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
A117	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
A118	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A119	CONFIG MGNT	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
A120	CONF ROOM	CPT-1	RB-1	PA-1/PA-4/AWP-1	PA-1/PA-4/AWP-1	PA-2/PA-4	PA-1/PA-4	ACT-1/PA-4	1, 4
A121	CONF ROOM	CPT-1	RB-1	PA-1/PA-4/AWP-1	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4/AWP-1	ACT-1/PA-4	1, 4
A122	LOGISTICS WAR RM	CPT-1	RB-1	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
A123	PM WAR RM	CPT-1	RB-1	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
A124	CORR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1/PA-2	PA-4	
A125	IN-BRIEF ROOM	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	ACT-1/PA-4	1
A126	SECURITY AND IN-BRIEF ROOM	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
A127	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A128	MAN TRAP	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
A129	OFFICE	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	ACT-1/PA-4	1
A130	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
A131	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A132	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A133	FRONT OFFICE GRP	CPT-1	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
A134	OFFICE	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	ACT-1/PA-4	1
A135	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A136	IN-BRIEF ROOM	CPT-1	RB-1	PA-2/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
A137	CORR	CP-1	RB-1	PA-1/PA-2/PA-3/PA-6/TLC-2	PA-1	PA-1/PA-2/PA-6	PA-1	PA-4	
A138	CONFIG MGNT WAR ROOM	CPT-1	RB-1	PA-2/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
A139	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
A140	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A141	IPT 1/2 MEETING ROOM	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4/AWP-1	PA-1/PA-4/AWP-1	PA-2/PA-4	ACT-1/PA-4	1
A142	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
A143	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A144	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
A145	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A146	IPT 3/4 MEETING ROOM	CPT-1	RB-1	PA-1	PA-1/AWP-1	PA-1/AWP-1	PA-2/PA-4	ACT-1/PA-4	1
A147	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
A148	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A149	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
A150	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
A151	COMM	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
A152	SERVICE CLOSET	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-5	
A153	STORAGE	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-5	
B101	MAIN ELEC ROOM	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
B102	MECH ROOM	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
B103	NON-SECURED BREAK AREA	CP-1/PE-3	RB-1	PA-1/PA-3/TLC-1/TLC-2	PA-1	PA-1/PA-3/TLC-1/TLC-2	PA-1	ACT-1/PA-4	
B104	MEN'S RESTROOM	TLP-1	TLP-1	TLC-1/TLC-2/TLC-3	TLC-1	TLC-2	TLC-2	PA-5	
B105	WOMEN'S RESTROOM	TLP-1	TLP-1	TLC-2	TLC-1	TLC-1/TLC-2/TLC-3	TLC-2	PA-5	
B106	JAN	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
B107	CORR	CP-1	RB-1	PA-1	PA-1/TLC-2	PA-1	PA-1	PA-4	
B108	FINANCIAL MGNT	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
B109	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
B110	IT WAR RM	CPT-1	RB-1	PA-2/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
B111	ENG WAR RM	CPT-1	RB-1	PA-2/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
B112	RADAR WAR RM	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	ACT-1/PA-4	1
B113	CORR	CP-1	RB-1	PA-2	PA-1/PA-2	PA-1	PA-1/PA-2	PA-4	
B114	CONT WAR RM	CPT-1	RB-1	PA-2/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
B115	FINANCIAL WAR RM	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	ACT-1/PA-4	1
B116	GROWTH WAR RM	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	ACT-1/PA-4	1
B117	CONF ROOM	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	ACT-1/PA-4	1, 4
B118	CONF ROOM	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-2/PA-4	PA-1/PA-4	ACT-1/PA-4	1, 4
B119	IT HOT DESKS	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
B120	IT HELPDESK	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACT-1/PA-4	1
B121	NON-SECURED SERVER ROOM	AF-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
B122	CORR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1/PA-2	PA-4	
B123	CONF ROOM	CPT-1	RB-1	PA-2/PA-4	PA-1/PA-4/AWP-1	PA-1/PA-4/AWP-1	PA-1/PA-4/AWP-1	ACT-1/PA-4	3, 4
B124	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
B125	IT / IA	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
B126	CORR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
B127	SERVICE CLOSET	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-5	
B128	CLOSET	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-5	
B129	CLOSET	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-5	
C101	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
C102	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
C103	TECH SERVICE WAR RM	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
C104	IPT 1	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
C105	IPT 2	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
C106	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
C107	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
C108	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
C109	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
C110	IPT 3	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
C111	IPT 4	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
C112	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
C113	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
C114	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
C115	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
C116	IPT 5	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
C117	CORR	CP-1	RB-1	PA-1	PA-1/PA-6	PA-1	PA-1	PA-4	
C118	CORR	CP-1	RB-1	PA-1/PA-6	PA-1	PA-1/PA-2/PA-6	PA-1	PA-4	
C119	3RD FLOOR GROWTH SUPPORT	CPT-1	RB-1	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	PA-1/PA-4	ACP-1/PA-4	1
C120	MECH ROOM	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
C121	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING	REMARKS
			MATERIAL	NORTH	EAST	SOUTH	WEST		
C122	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
C123	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
C124	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-2	PA-1	ACT-1	
C125	CORR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1/PA-6	PA-4	
C126	CORR	CP-1	RB-1	PA-1/PWC-1	PA-1	PA-1/PWC-1	PA-1	PA-4	
C127	FIRE RISERS	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
D100	VEST	CPT-2	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
D101	CORR	AF-1	RB-1	PA-1	PA-1/PA-2	PA-1	PA-1	PA-4	
D102	SERVER ROOM	AF-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
D103	STOR	AF-1	RB-1	PA-1	PA-1	PA-2	PA-1	-	
D104	OFFICE	CPT-1	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
D105	OFFICE	CPT-1	RB-1	PA-2	PA-1	PA-1	PA-1	ACT-1	
D106	TECH LAB 2	AF-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
D107	VAULT	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
D108	SECURE IT STOR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
D109	CORR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1/PA-2	PA-4	
D110	NON-SECURED IT STOR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
D111	SHIPPING AND RECEIVING	CP-1	PA-1/PWC-1	PA-1/PWC-1	PA-1/PWC-1	PA-1/PWC-1	PA-1/PWC-1	PA-4	
D112	CONTROL ROOM	CP-1	PA-1	PA-1	PA-1	PA-1	PA-1	-	
D113	MECH ROOM	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
D114	CORR	CP-1	RB-1	PA-1	PA-1	PA-1	PA-1/PWC-1	PA-4	
D115	VEST	CPT-2	RB-1	PA-1	PA-1	PA-1	PA-1	PA-5	
D116	ELEC ROOM	CS-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
D119	COMM	CS-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	
D120	STORAGE	CS-1	RB-1	PA-1	PA-1	PA-1	PA-1	-	

FINISH LEGEND - BASIS OF DESIGN OR EQUIVALENT

MATERIAL	MANUF.	MODEL NUMBER	PRODUCT / STLYE	COLOR	DESCRIPTION	REMARKS
ACOUSTIC WALL PANEL						
AWP-1	CARNEGIE XOREL			KALEIDOSCOPE 6253/4	ACOUSTIC WALL PANEL	
ACOUSTICAL CEILING						
ACP-1	TECTUM		N/A	WHITE	ACOUSTIC CEILING PANEL - 4'x8', 4'x6', 4'x4'	
ACT-1	ARMSTONG		ULTIMA, BEVELED TEGULAR	WHITE	ACOUSTIC CEILING TILE - 24" x 24" TILE	
CONCRETE						
CP-1					POLISHED SEALED CONCRETE	
CS-1					SEALED CONCRETE	
CORNER GUARD						
CG-1	ACROVYN		N/A	934 PEARL	CORNER GUARD - 2"	
CG-2	ACROVYN		N/A	STAINLESS STEEL	STAINLESS STEEL CORNER GUARD	
FLOORING						
AF-1	TATE		STATIC DISSIPATIVE PRE-FINISHED	-	-	SELECTED FROM MANUFACTURERS STANDARD COLORS
CPT-1	TANDUS CENTIVA		NANO 04539	WIRED 48201	CARPET TILE - 24" x 24"	
CPT-2	TANDUS CENTIVA		ABRASIVE ACTION	WINTER GRAY 19103	CARPET TILE - 24" x 24"	WALK OFF MAT – MONOLITHIC
CPT-3	TANDUS CENTIVA		ABRASIVE ACTION	CHARCOAL 19100	CARPET TILE - 24" x 24"	WALK OFF MAT – MONOLITHIC
EFP-1	SHERWIN WILLIAMS		EPOXY FLOOR PAINT	SW7590 RED OBSESSION	EPOXY FLOOR PAINT	
GROUT						
GR-1	TEC		N/A	934 DELOREAN GREY	TILE GROUT	
GR-2	TEC		N/A	949 SILVERADO	TILE GROUT	
PAINT						
EXTERIOR DOORS - ALUMINUM	-		-	TO MATCH DARK BRONZE ANNODIZED ALUMINUM	-	EXTERIOR DOORS - ALUMINUM
EXTERIOR DOORS - STEEL	-		-	TO MATCH DARK BRONZE ANNODIZED ALUMINUM	-	EXTERIOR DOORS - STEEL
PA-1	SHERWIN WILLIAMS		SATIN	SW9166 DRIFT OF MIST	PAINT - ACRYLIC/LATEX	FIELD
PA-2	SHERWIN WILLIAMS		SATIN	SW7017 DORIAN GRAY	PAINT - ACRYLIC/LATEX	ACCENT
PA-3	SHERWIN WILLIAMS		SATIN	SW7590 RED OBSESSION	PAINT - ACRYLIC/LATEX	ACCENT
PA-4	SHERWIN WILLIAMS		SATIN	SW7068 GRIZZLE GRAY	PAINT - ACRYLIC/LATEX	TRIM
PA-5	SHERWIN WILLIAMS		FLAT	SW7007 CEILING BRIGHT WHITE	PAINT - ACRYLIC/LATEX	CEILING
PA-6	SHERWIN WILLIAMS		SATIN	SW6775 BRINEY	PAINT - ACRYLIC/LATEX	CEILING
PU-7	SHERWIN WILLIAMS		-	SW7617 MEDITERRANEAN	PAINT -URETHANE	CANOPY FRAME
PU-8	SHERWIN WILLIAMS		-	SW6221 MOODY BLUE	PAINT - URETHANE	CANOPY SOFFIT
PLASTIC LAMINATE						
PLAM-1	FORMICA		HIGH PRESSURE LAMINATE	CHERRY RIFT WOOD 6411 NG	PLASTIC LAMINATE	
RESILIENT BASE						
RB-1	JOHNSONITE		4" COVE BASE	63 BURNT UMBER	RESILIENT BASE	
SOLID SURFACE FABRICATION						
SSF-1	FORMICA		N/A	ASHEN CONCRETE	SOLID SURFACE FABRICATION	
SSF-2	CORIAN		N/A	DEEP MILKY WAY	SOLID SURFACE FABRICATION	
TILE						
TLC-1	DALTILE		NATURAL HUES	QH93 CANDY RED APPLE	CERAMIC TILE - 6" x 12"	
TLC-2	DALTILE		NATURAL HUES	QH15 MIST GRAY	CERAMIC TILE - 6" x 12"	
TLC-3	DALTILE		NATURAL HUES	QH83 LACE	CERAMIC TILE - 6" x 12"	
TLP-1	MARAZZI		SISTEM	GRIGIO SCURO	PORCELAIN TILE - 12" x 24"	
TOILET PARTITION						
TP-1			N/A	STAINLESS STEEL	TOILET PARTITIONS	
WALL COVERING						
PWC-1	CONSTRUCTION SPECIALTIES			934 PEARL	ACROVYN WALL COVERING	
WOOD						
WD-1		STAINED	RED OAK FLAT SLICED			COLOR TO MATCH ARCHITECTS SAMPLE

GENERAL FINISH NOTES:

1. REFER TO SPECIFICATIONS FOR THE BASIS OF DESIGN OR EQUIVALENT MANUFACTURER TECHNICAL REQUIREMENTS.
2. REFER TO INTERIOR ELEVATIONS, REFLECTED CEILING DRAWINGS, FLOOR FINISH DRAWINGS, WALL FINISH DRAWINGS, ENLARGED PLAN DRAWINGS AND INTERIOR DETAIL DRAWINGS FOR ADDITIONAL FINISH PLACEMENT INFORMATION.
3. REFER TO ELECTRICAL DRAWINGS, MECHANICAL DRAWINGS, STRUCTURAL DRAWINGS AND COMMUNICATION DRAWINGS FOR COORDINATION OF BUILDING FINISHES TO BUILDING SYSTEMS.
4. REFER TO ENLARGED FLOOR FINISH PLANS FOR PLACEMENT OF FLOOR FINISHES AND FLOOR PATTERNS FOR LOBBY AND BREAKROOM. REFER TO FLOORING TRANSITION DETAILS FOR TRANSITIONS BETWEEN ADJOINING FLOORING MATERIALS.
5. REFER TO WALL FINISH DRAWINGS AND INTERIOR ELEVATIONS FOR WALL FINISH EXTENTS, CORNER GUARD LOCATIONS, SIGNAGE, AND SPECIALTY WALL FINISH LOCATIONS.
6. REFER TO REFLECTED CEILING DRAWINGS FOR CEILING HEIGHTS AND CEILING MATERIAL EXTENTS.
   REFER TO ACCESS FLOOR DRAWINGS FOR COORDINATION OF FLOOR FINISHES TO ACCESS FLOOR LOCATIONS.
7. REFER TO ENLARGED TOILET DRAWINGS, WALL FINISH PLANS AND INTERIOR ELEVATIONS FOR PLACEMENT OF INTERIOR FINISHES IN TOILET/LOCKER ROOMS.
8. REFER TO MILLWORK DETAIL DRAWINGS AND INTERIOR ELEVATIONS FOR ASSIGNMENT OF SOLID SURFACE AND PLASTIC LAMINATE FINISHES
9. AND ADDITIONAL INFORMATION.

   PROVIDE BLOCKING AS REQUIRED TO SECURE ALL WALL MOUNTED
10. ITEMS INCLUDING TOILET FIXTURES, TOILET ACCESSORIES, TOILET PARTITIONS, MILLWORK, SHELVES, COUNTERTOP SUPPORTS, MARKERBOARDS, TACKBOARDS, FLAT PANEL DISPLAYS, CAMERAS, ACOUSTICAL WALL PANELS, CABLE SYSTEMS, AND ANY OTHER WALL
11. MOUNTED OBJECT.
12. UNLESS NOTED OTHERWISE, ALL EXPOSED STRUCTURAL STEEL TO BE PAINTED TO MATCH ADJACENT WALL OR CEILING COLOR.
13. INTERIOR CAULKING TO MATCH ADJACENT WALL FINISH COLOR.
14. ALL EXPOSED CONCRETE FLOORS SHALL BE POLISHED AND SEALED.
15. WALL CORNER GUARDS TO BE INSTALLED STARTING AT THE TOP OF THE SCHEDULED WALL BASE.
16. AT GYPSUM BOARD SOFFITS AND BULKHEADS, PAINT ALL EXPOSED SURFACES.
17. PAINT ALL EXPOSED STRUCTURAL STEEL ELEMENTS, MISCELLANEOUS STEEL, PIPING, HANGERS, VALVES AND CONDUITS. PAINT COLOR TO MATCH ADJACENT WALL OR CEILING.
18. ALL EXPOSED MECHANICAL AND ELECTRICAL EQUIPMENT AND ASSOCIATED SUPPORTING EQUIPMENT SHALL NOT BE PAINTED UNLESS OTHERWISE REQUIRED BY CODE.
19. DO NOT PAINT PRE-FINISHED ITEMS, FINISHED METAL SURFACES, OPERATING PARTS, LABELS OR WARNINGS.
20. REFER TO AND COORDINATE WITH FURNITURE DRAWINGS AND TYPICAL MOUNTING HEIGHTS DRAWING FOR WALL MOUNTING HEIGHTS OF FF&E, VISUAL DISPLAYS AND AUDIO VISUAL EQUIPMENT.
21. REFER TO SPECIFICATION 09 06 00 SCHEDULE OF FINISHES FOR FINISH MATERIALS. BASIS OF DESIGN OR EQUIVALENT COLOR AND FINISH CODES ARE AS INDICATED ON THE ROOM FINISH SCHEDULE.

REMARKS:

1. PAINT ALL WALLS PA-4 STARTING AT 11'-0" AND CONTINUING UP TO BOTTOM OF DECK ABOVE. PAINT UNDERSIDE OF DECK ABOVE INCLUDING METAL DECK, COLUMNS, BEAMS, SPRAY APPLIED FIREPROOFING, AND SPRINKLER PIPING. DO NOT PAINT PRE-FINISHED ITEMS SUCH AS DUCT INSULATION, PIPE INSULATION, AND CABLE TRAYS.
2. PWC-1 INSTALLED STARTING AT TOP OF BASE AND EXTENDING 4' IN HEIGHT
3. PAINT ALL WALLS PA-4 STARTING AT 12'-0" AND CONTINUING UP TO BOTTOM OF DECK ABOVE. PAINT UNDERSIDE OF DECK ABOVE INCLUDING METAL DECK, COLUMNS, BEAMS, SPRAY APPLIED FIREPROOFING, AND SPRINKLER PIPING. DO NOT PAING PRE-FINISHED ITEMS SUCH AS DUCT INSULATION, PIPE INSULATION, AND CABLE TRAYS.
4. MOUNT ACOUSTIC WALL PANELS ON FULL LENGTH OF WALL AS INDICATED. INSTALL PANELS BETWEEN 3' AFF AND 9' AFF. PANELS TO BE 4' WIDE BY 6' HIGH WITH FILLER PANELS OF EQUAL WIDTH AT EACH END TO PROVIDE A CONTINUOUS APPEARANCE. REFER TO C2/A-752 FOR TYPICAL SOLUTION.
5. REFERENCE INTERIOR ELEVATIONS FOR WALL PAINT GRAPHIC.

SYMBOL	REVISIONS	DATE	APPROVED

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. REESE
DRAWN BY: G. ATZENWEILER
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

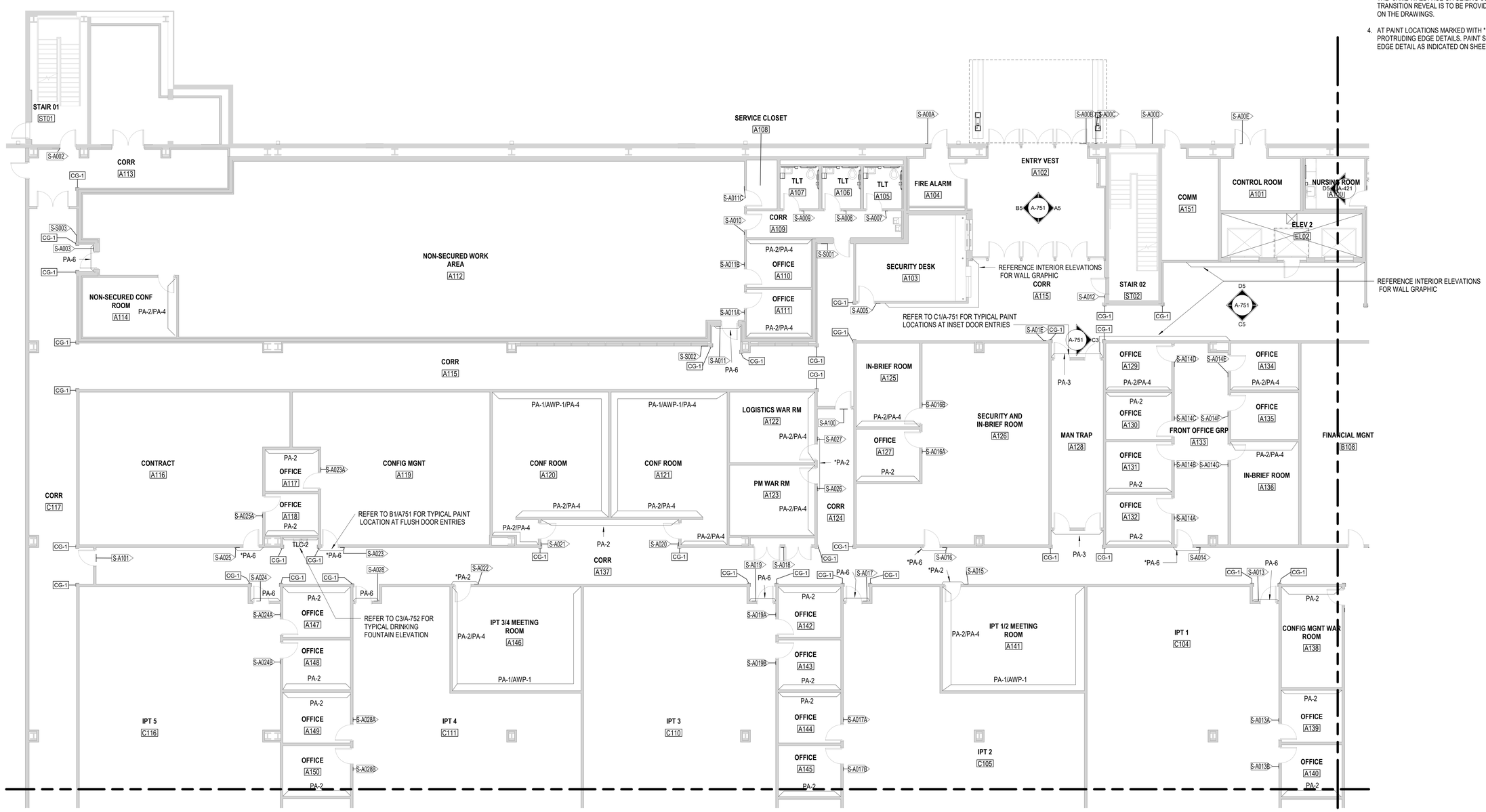
ROOM FINISH SCHEDULE

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-701.DWG
SHEET IDENTIFICATION: A-701
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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GENERAL WALL FINISH PLAN NOTES:

1. REFER TO ROOM FINISH SCHEDULE GENERAL NOTES.
2. REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL INTERIOR FINISH PLACEMENTS.
3. WHERE TWO OR MORE PAINTED FINISHES OCCUR ON THE SAME WALL FACE OR CEILING SURFACE, A PAINT TRANSITION REVEAL IS TO BE PROVIDED AS INDICATED ON THE DRAWINGS.
4. AT PAINT LOCATIONS MARKED WITH * REFER TO SHEET A452 FOR PROTRUDING EDGE DETAILS. PAINT SHALL TERMINATE AT PROTRUDING EDGE DETAIL AS INDICATED ON SHEET A751

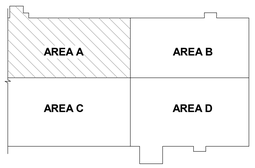


A5 GROUND FLOOR SIGNAGE AND WALL FINISH PLAN AREA - A
SCALE: 1/8" = 1'-0"

N

0 4" 8" 16"

KEYPLAN



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KANSAS CITY, MO 64114

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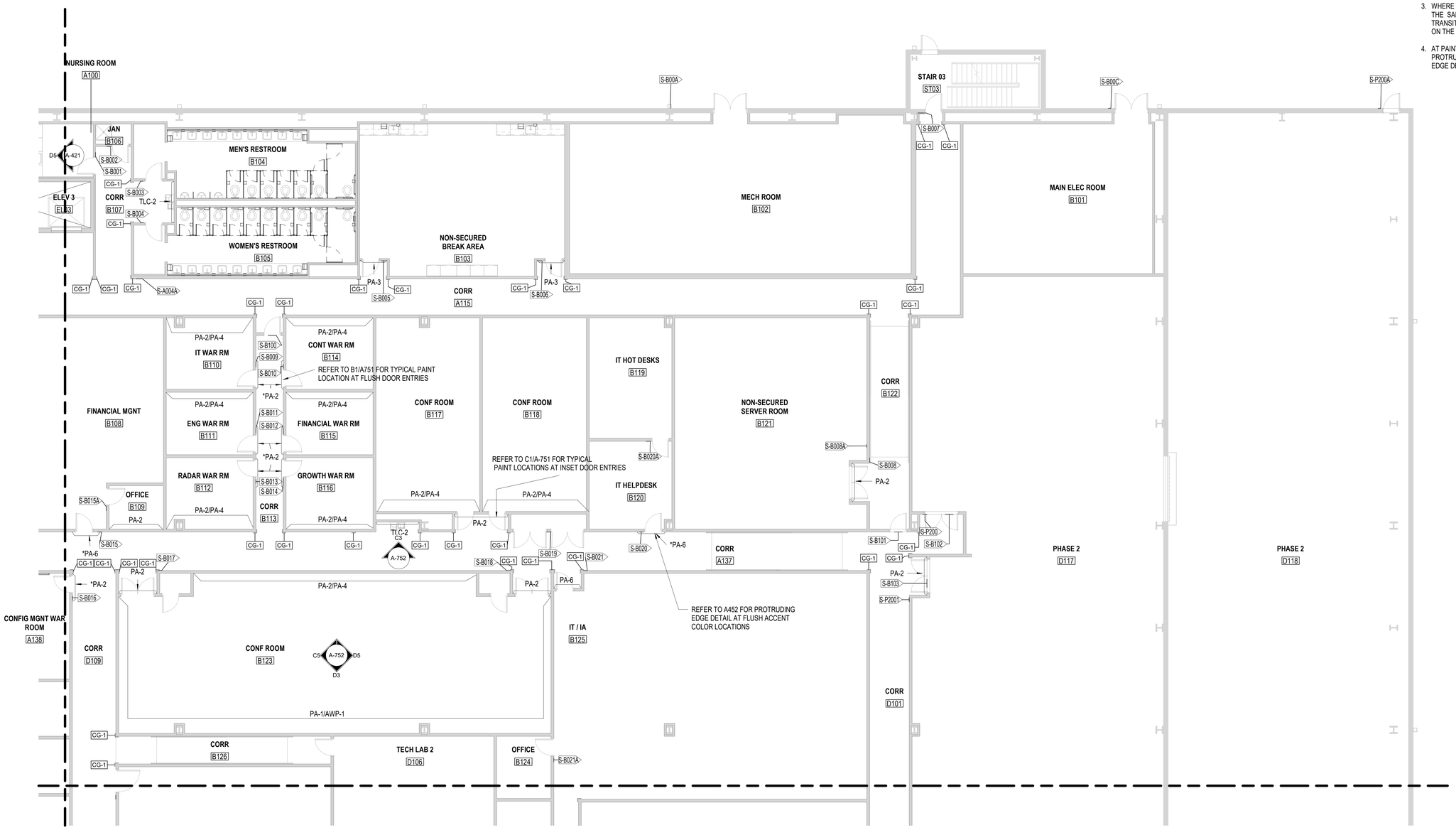
GROUND FLOOR SIGNAGE AND WALL FINISH PLAN AREA - A

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CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/20/17
FILE NUMBER:	104444A-711.DWG
SHEET IDENTIFICATION	A-711
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
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3. WHERE TWO OR MORE PAINTED FINISHES OCCUR ON THE SAME WALL FACE OR CEILING SURFACE, A PAINT TRANSITION REVEAL IS TO BE PROVIDED AS INDICATED ON THE DRAWINGS.
4. AT PAINT LOCATIONS MARKED WITH * REFER TO SHEET A452 FOR PROTRUDING EDGE DETAILS. PAINT SHALL TERMINATE AT PROTRUDING EDGE DETAIL AS INDICATED ON SHEET A751



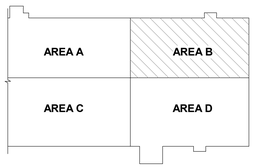
A5 GROUND FLOOR SIGNAGE AND WALL FINISH PLAN AREA - B

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

0 4' 8' 16'

N

KEYPLAN



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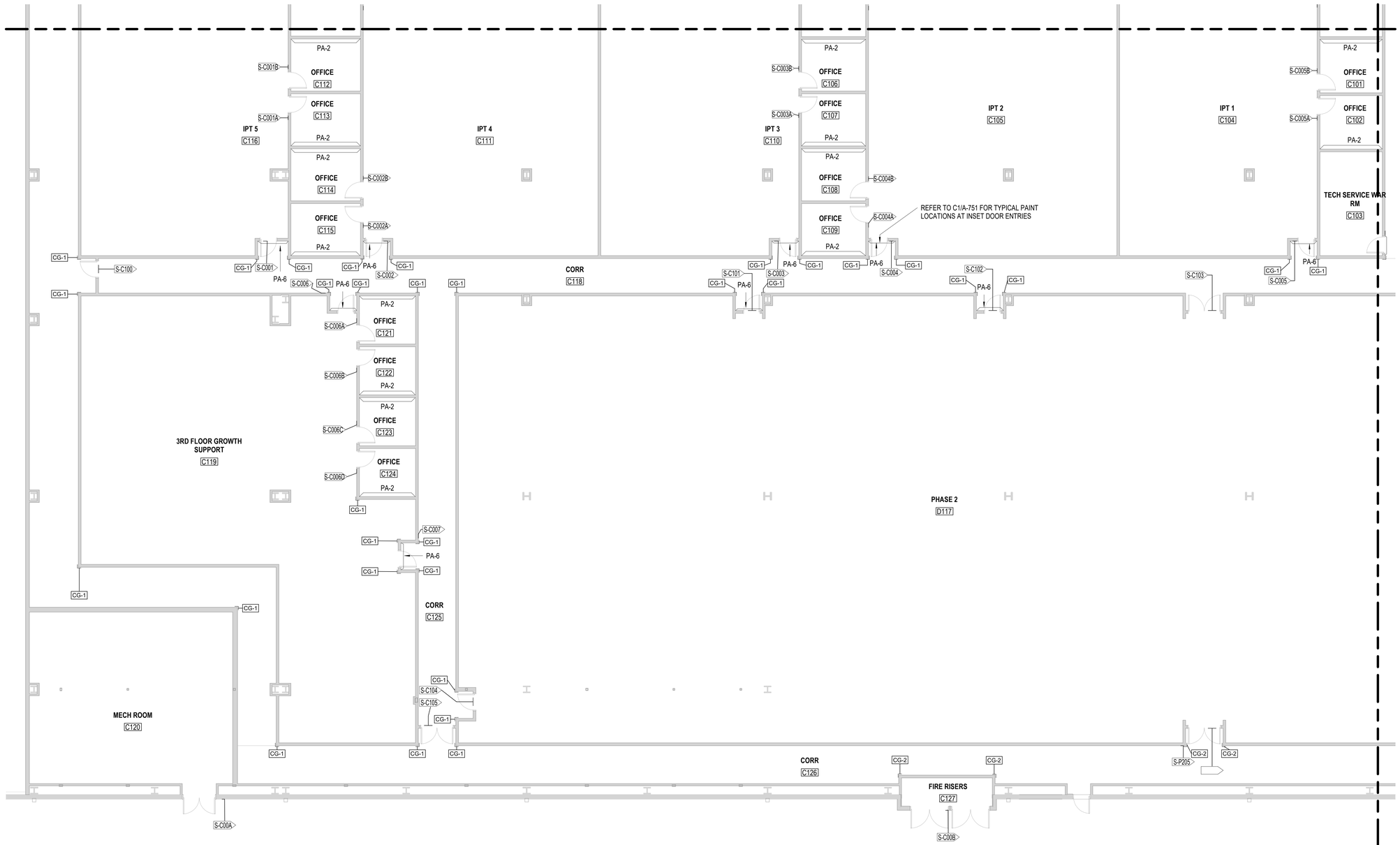
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OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GROUND FLOOR SIGNAGE AND WALL FINISH PLAN AREA - B

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CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/20/17
FILE NUMBER:	104444A-712.DWG
SHEET IDENTIFICATION	A-712
SOLICITATION NO.:	?
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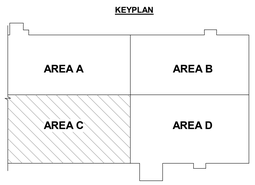
A5 GROUND FLOOR SIGNAGE AND WALL FINISH PLAN AREA - C

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

N

0 4' 8' 16'

KEYPLAN



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9400 WARD PARKWAY
KANSAS CITY, MO 64114

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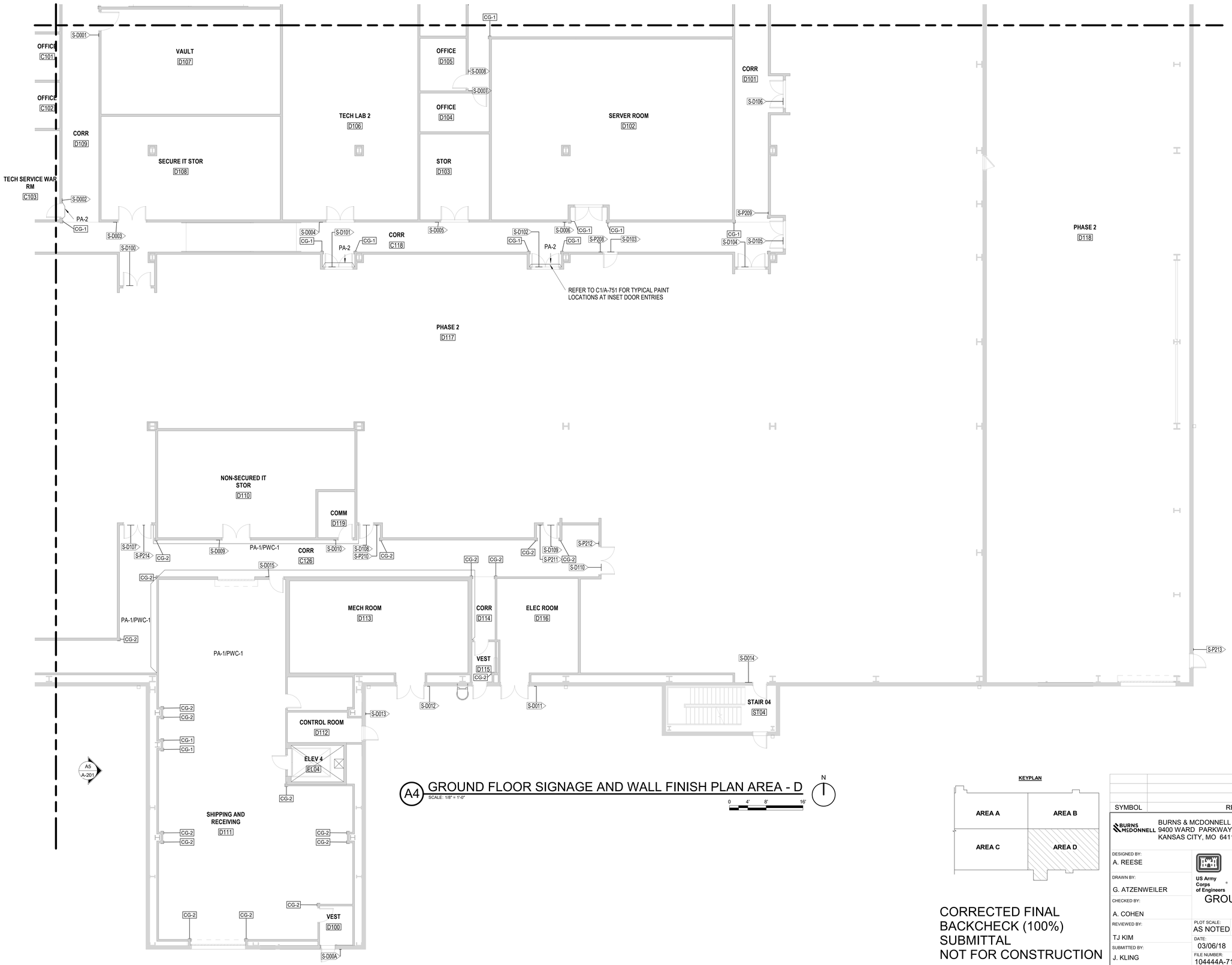
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GROUND FLOOR SIGNAGE AND WALL FINISH PLAN AREA - C

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/06/18
FILE NUMBER: 104444A-713.DWG
SHEET IDENTIFICATION: A-713
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A4 GROUND FLOOR SIGNAGE AND WALL FINISH PLAN AREA - D

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

0 4' 8' 16'

N

KEYPLAN

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OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GROUND FLOOR SIGNAGE AND WALL FINISH PLAN AREA - D

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DRAWN BY:	G. ATZENWEILER
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	03/06/18
FILE NUMBER:	104444A-714.DWG
SHEET IDENTIFICATION	A-714
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
Sheet	of

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SIGNAGE SCHEDULE			
SIGN NUMBER	SIGN TYPE	ROOM NUMBER	TEXT
S-A00A	K	A104	FIRE ALARM
S-A00B	J	BUILDING ENTRANCE	BUILDING NUMBER
S-A00C	E	BUILDING ENTRANCE	NO SMOKING WITHIN 50 FEET OF BUILDING
S-A00D	K	A151	COMM
S-A00E	K	A101	CONTROL ROOM
S-A01E	F	A115	BUILDING DIRECTORY
S-A002	H2	A113	STAIR
S-A003	D	A112	UNCLASSIFIED WORK AREA
S-A004A	C	B107	RESTROOM FLAG SIGN
S-A005	D	A103	SECURITY DESK
S-A007	B	A105	TOILET
S-A008	B	A106	TOILET
S-A009	B	A107	TOILET
S-A010	B	A109	TOILET
S-A011	D	A112	UNCLASSIFIED WORK AREA
S-A011A	D	A111	PRIVATE OFFICE
S-A011B	D	A110	PRIVATE OFFICE
S-A011C	K	A108	SERVICE CLOSET
S-A012	H1	ST02	STAIR
S-A013	D	C104	IPT 1
S-A013A	D	A139	PRIVATE OFFICE
S-A013B	D	A140	PRIVATE OFFICE
S-A014	D	A133	FRONT OFFICE
S-A014A	D	A132	PRIVATE OFFICE
S-A014B	D	A131	PRIVATE OFFICE
S-A014C	D	A130	PRIVATE OFFICE
S-A014D	D	A129	PRIVATE OFFICE
S-A014E	D	A134	PRIVATE OFFICE
S-A014F	D	A135	PRIVATE OFFICE
S-A014G	D	A136	IN-BRIEF ROOM
S-A015	D	A141	IPT 1/2 MEETING ROOM
S-A016	D	A126	SECURITY AND IN-BRIEF ROOM
S-A016A	D	A127	PRIVATE OFFICE
S-A016B	D	A125	IN-BRIEF ROOM
S-A017	D	C105	IPT 2
S-A017A	D	A144	PRIVATE OFFICE
S-A017B	D	A145	PRIVATE OFFICE
S-A018	K	A152	SERVICE CLOSET
S-A019	D	C110	IPT 3
S-A019A	D	A142	PRIVATE OFFICE
S-A019B	D	A143	PRIVATE OFFICE
S-A020	D	A121	CONFERENCE ROOM
S-A021	D	A120	CONFERENCE ROOM
S-A022	D	A146	IPT 3/4 MEETING ROOM
S-A023	D	A119	CONFIG MGNT
S-A023A	D	A117	PRIVATE OFFICE
S-A024	D	C116	IPT 5
S-A024A	D	A147	PRIVATE OFFICE
S-A024B	D	A148	PRIVATE OFFICE
S-A025	D	A116	CONTRACT
S-A025A	D	A118	PRIVATE OFFICE
S-A026	D	A123	PM WAR RM
S-A027	D	A122	LOGISTICS WAR RM
S-A028	D	C111	IPT 4
S-A028A	D	A149	PRIVATE OFFICE
S-A028B	D	A150	PRIVATE OFFICE
S-A100	H2	A124	EMERGENCY EXIT ONLY - ALARM WILL SOUND
S-A101	H2	A137	EMERGENCY EXIT ONLY - ALARM WILL SOUND
S-B00A	K	B102	MEC ROOM
S-B00C	K	B101	MAIN ELEC ROOM
S-B001	D	A100	MOTHER'S ROOM
S-B002	D	B106	JANITORIAL
S-B003	F	B104	MEN'S RESTROOM
S-B004	F	B105	WOMEN'S RESTROOM
S-B005	D	B103	UNCLASSIFIED BREAK AREA
S-B006	D	B103	UNCLASSIFIED BREAK AREA
S-B007	H2	ST03	STAIR 03
S-B008	D	B121	UNCLASSIFIED SERVER ROOM
S-B008A	G	B121	NON-SECURED SERVER ROOM
S-B009	D	B110	IT WAR RM
S-B010	D	B114	CONT WAR RM
S-B011	D	B111	ENG WAR RM
S-B012	D	B115	FINANCIAL WAR RM
S-B013	D	B112	RADAR WAR RM
S-B014	D	B116	GROWTH WAR RM
S-B015	D	B108	FINANCIAL MGNT

SIGNAGE SCHEDULE			
SIGN NUMBER	SIGN TYPE	ROOM NUMBER	TEXT
S-B015A	D	B109	PRIVATE OFFICE
S-B016	D	A138	CONFIG MGNT WAR ROOM
S-B017	D	B123	CONF ROOM
S-B018	D	B123	CONF ROOM
S-B019	D	B127	STORAGE
S-B020	D	B120	IT HELP DESK
S-B020A	D	B119	IT HOT DESKS
S-B021	D	B125	IT/IA
S-B021A	D	B124	PRIVATE OFFICE
S-B100	H2	B113	EMERGENCY EXIT ONLY - ALARM WILL SOUND
S-B101	H2	A137	EM
S-B102	H2	A137	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-B103	H2	D101	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-C00A	K	C120	MECH ROOM
S-C00B	K	C127	FIRE RISERS
S-C001	D	C116	IPT 5
S-C001A	D	C113	PRIVATE OFFICE
S-C001B	D	C112	PRIVATE OFFICE
S-C002	D	C111	IPT 4
S-C002A	D	C115	PRIVATE OFFICE
S-C002B	D	C114	PRIVATE OFFICE
S-C003	D	C110	IPT 3
S-C003A	D	C107	PRIVATE OFFICE
S-C003B	D	C106	PRIVATE OFFICE
S-C004	D	C105	IPT 2
S-C004A	D	C109	PRIVATE OFFICE
S-C004B	D	C108	PRIVATE OFFICE
S-C005	D	C104	IPT 1
S-C005A	D	C102	PRIVATE OFFICE
S-C005B	D	C101	PRIVATE OFFICE
S-C006	D	C119	3RD FLOOR GROWTH SUPPORT
S-C006A	D	C121	PRIVATE OFFICE
S-C006B	D	C122	PRIVATE OFFICE
S-C006C	D	C123	PRIVATE OFFICE
S-C006D	D	C124	PRIVATE OFFICE
S-C007	D	C119	3RD FLOOR GROWTH SUPPORT
S-C100	H2	C118	EMERGENCY EXIT ONLY - ALARM WILL SOUND
S-C101	H2	C118	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-C102	H2	C118	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-C103	H2	C118	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-C104	H2	C125	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-C105	H2	C125	EMERGENCY EXIT ONLY - ALARM WILL SOUND
S-D00A	K	D111	SHIPPING AND RECIEVING
S-D001	D	D107	VAULT
S-D002	D	C103	TECH SERVICE WAR RM
S-D003	D	D108	SECURE IT STORAGE
S-D004	D	D106	TECH LAB
S-D005	D	D103	STORAGE
S-D006	D	D102	SERVER ROOM
S-D007	D	D104	PRIVATE OFFICE
S-D008	D	D105	PRIVATE OFFICE
S-D009	D	D110	UNCLASSIFIED IT STORAGE
S-D010	K	D119	COMM
S-D011	K	D116	ELECTRICAL ROOM
S-D012	K	D113	MECH ROOM
S-D013	K	D112	CONTROL ROOM
S-D014	H2	ST04	STAIR 04
S-D015	D	D111	SHIPPING AND RECIEVING
S-D100	H2	C118	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D101	H2	C118	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D102	H2	C118	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D103	H2	C118	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D104	H2	C118	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D105	H2	C118	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D106	H2	D101	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D107	H2	C126	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D108	H2	C126	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D109	H2	C126	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-D110	H2	C126	UNOCCUPIED SPACE - DO NOT ENTER - ALARM WILL SOUND
S-P200	D	D117	PHASE 2
S-P200A	K	D118	PHASE 2
S-P205	K	D117	PHASE 2
S-P208	D	D117	PHASE 2
S-P209	K	D117	PHASE 2
S-P210	D	D117	PHASE 2
S-P211	D	D117	PHASE 2
S-P212	D	D117	PHASE 2
S-P213	K	D118	PHASE 2
S-P214	K	D117	PHASE 2
S-P2001	D	D117	PHASE 2
S-S001	A2	A109	STORM SHELTOR
S-S002	A1	A112	STORM SHELTOR
S-S003	A1	A112	STORM SHELTOR

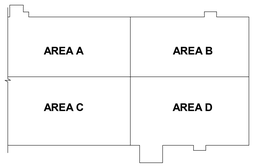
GENERAL SIGNAGE PLACEMENT PLAN NOTES:

1. REFER TO SIGNAGE SCHEDULE GENERAL NOTES.
2. REFER TO SIGNAGE SCHEDULE AND DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.
3. REFER TO SIGNAGE SCHEDULE FOR SIGN LOCATION TAG, DOOR LOCATION, SIGN TYPE, SIGN TEXT NUMBER, AND PLACEHOLDER MESSAGE TEXT.
4. REFER TO SIGNAGE MOUNTING HEIGHTS ON SIGNAGE DETAIL DRAWINGS. SIGNS TO BE WALL-MOUNTED ON THE LATCH SIDE OF DOOR OR AS INDICATED. HEIGHTS, CLEARANCES, AND CONFIGURATIONS SHOWN ARE TYPICAL AND SHALL APPLY IN ALL INSTANCES UNLESS NOTED OTHERWISE.
5. EXTERIOR AND INTERIOR SIGNAGE SHALL COMPLY WITH UFG REQUIREMENTS, GUIDANCE FOR AIR FORCE SIGNAGE AS FOUND IN UFC3-120-01 "AIR FORCE STANDARDS" AND BASE STANDARDS.

GENERAL SIGNAGE SCHEDULE NOTES:

1. REFER TO SIGNAGE PLACEMENT DRAWINGS FOR LOCATION OF INTERIOR SIGNS.
2. REFER TO SIGNAGE DETAILS FOR SIGNAGE CONSTRUCTION AND MOUNTING ELEVATION.
3. REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATION OF SIGNAGE INSTALLATION TO WALL CONSTRUCTION.
4. ALL HARDWARE/MOUNTING ATTACHMENTS TO BE CONCEALED AND APPROPRIATE FOR THE RECEIVING BUILDING SURFACE.
5. ALL SIGNAGE SHALL COMPLY WITH THE MOST CURRENT VERSION OF THE AMERICANS WITH DISABILITIES ACT (ADA).
6. ALL SIGNAGE MOUNTED ON GLASS SHALL HAVE A MATCHING BACK PLATE TO CONCEAL ATTACHMENT METHOD OF SIGN.
7. INSTALL FIRE EXTINGUISHER IDENTIFICATION SIGN ABOVE ALL FIRE EXTINGUISHER CABINETS AND WALL BRACKET MOUNTED EXTINGUISHERS. SEE LIFE SAFETY PLANS FOR FIRE EXTINGUISHER LOCATIONS.
8. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH SIGNAGE MANUFACTURER(S) TO PROVIDE ANY ADDITIONAL SIGNAGE AS REQUIRED BY GOVERNING MUNICIPALITY AT THE SITE LOCATION.
9. ALL MESSAGE TEXT AS SHOWN ON THE SIGN SCHEDULE IS A PLACE HOLDER ONLY AND IS NOT THE FINAL TEXT MESSAGE. ALL MESSAGE TEXT SHALL BE CONFIRMED BY GOVERNMENT END USER PRIOR TO SIGNAGE SHOP DRAWINGS. ALLOW FOR MAXIMUM 4 DIGIT ROOM NUMBERS AND MINIMUM 25 CHARACTER ROOM NAMES TYPICAL FOR ALL SIGNS.
10. PROVIDE EXTERIOR BUILDING NUMBER SIGN PER BASE STANDARDS AND IN ACCORDANCE WITH AIR FORCE SIGN STANDARDS UFC 3-120-1.
11. REFER TO 09 06 00 SCHEDULE OF FINISHES FOR BASIS OF DESIGN OR EQUIVALENT MANUFACTURER, PRODUCT STYLE, MATERIALS AND COLOR.
12. PROVIDE MESSAGE INSERTS FOR WINDOW SIGNS WHERE INDICATED IN THE SIGNAGE DRAWINGS OR SPECIFICATIONS.

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. REESE
DRAWN BY: G. ATZENWEILER
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

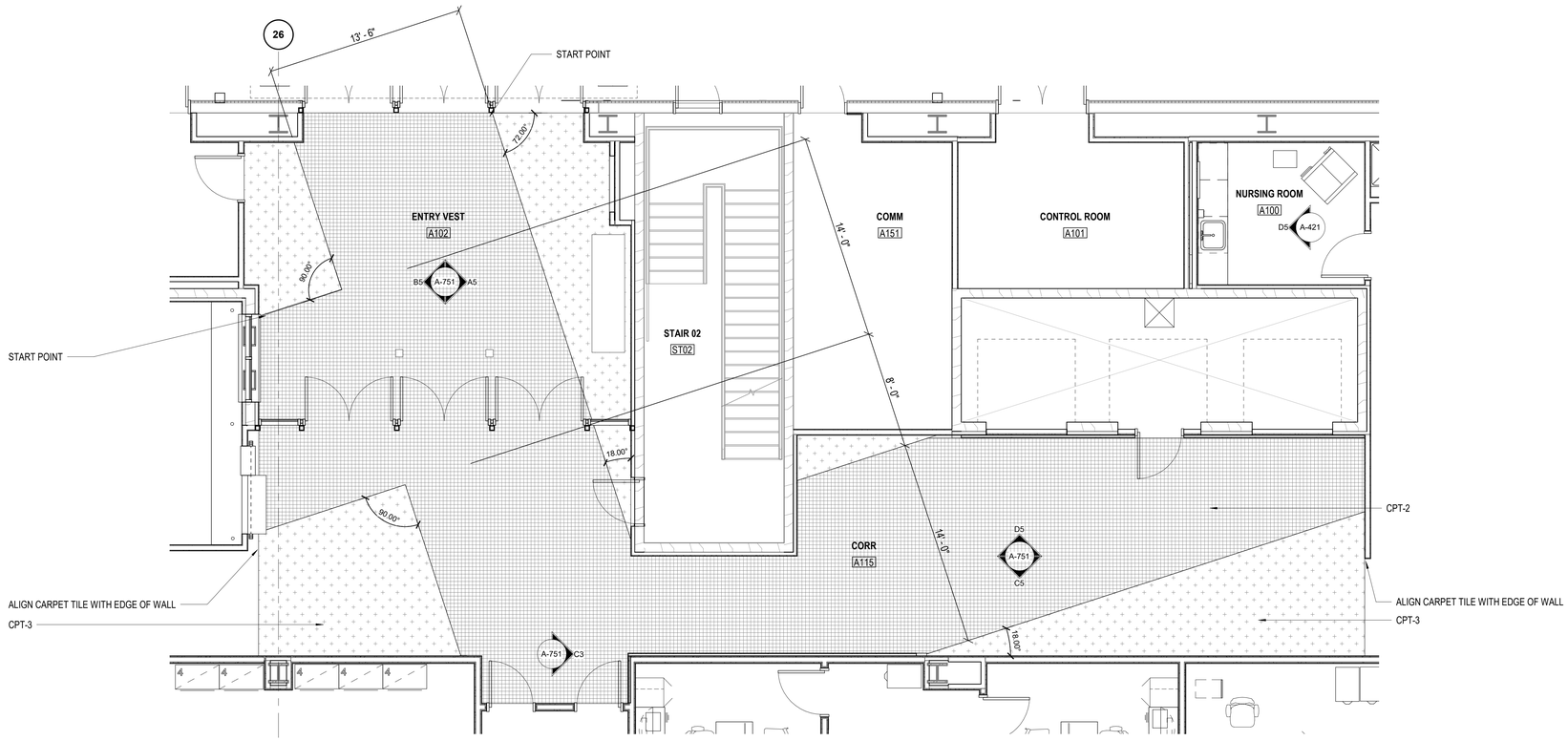
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

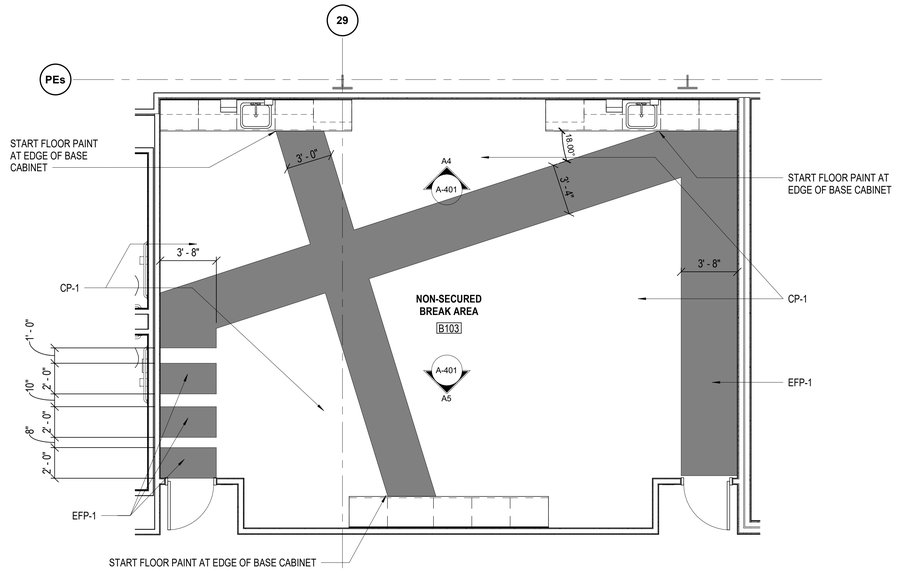
SIGNAGE SCHEDULE

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 07/10/18
FILE NUMBER: 104444A-720.DWG
SHEET IDENTIFICATION: A-720
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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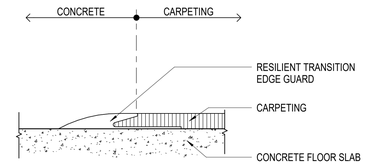
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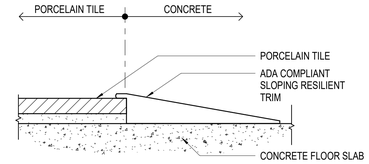
C5 ENTRY ENLARGED FLOOR FINISH PLAN
SCALE: 1/4" = 1'-0"



A5 BREAK ROOM ENLARGED FLOOR FINISH PLAN
SCALE: 1/4" = 1'-0"

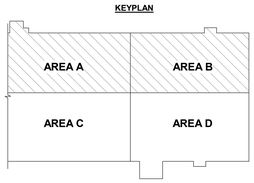


1D FLOOR TRANSITION - CONCRETE TO CARPET
SCALE: 12" = 1'-0"



1C FLOOR TRANSITION - CONCRETE TO TILE
SCALE: 12" = 1'-0"

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
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KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

ENLARGED FLOOR FINISH PLANS

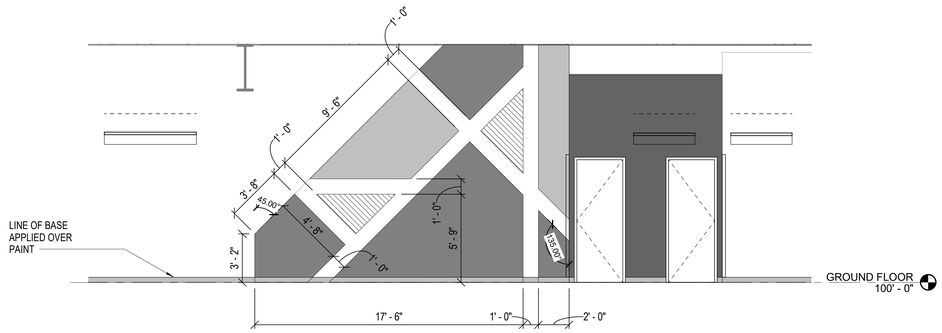
DESIGNED BY:	A. REESE
DRAWN BY:	G. ATZENWEILER
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	09/14/18
FILE NUMBER:	104444A-730.DWG
SHEET IDENTIFICATION	A-730
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
Sheet	of

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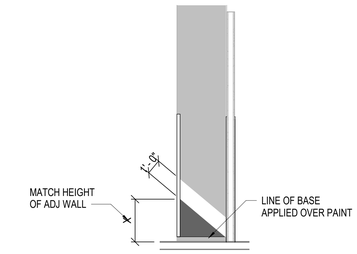
D5 ENTRY VESTIBULE ELEVATION

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



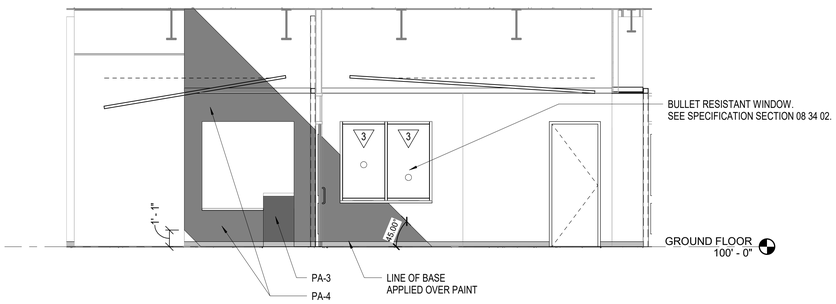
C5 ENTRY CORRIDOR ELEVATION SOUTH

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



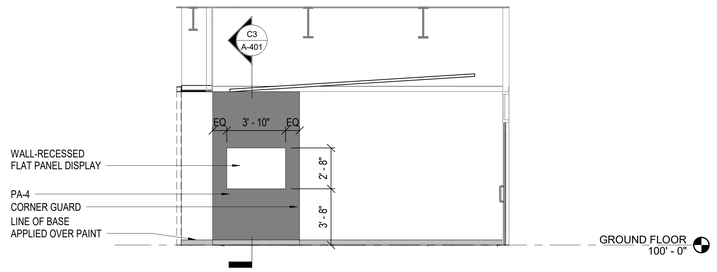
C3 ENTRY CORRIDOR ELEVATION EAST

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



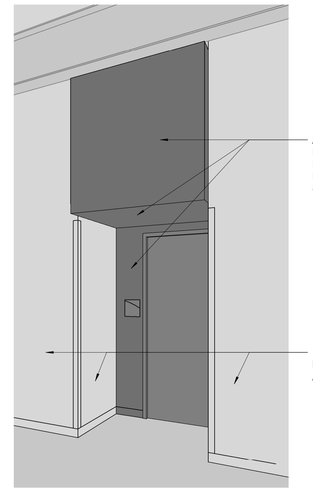
B5 ENTRY ELEVATION WEST

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



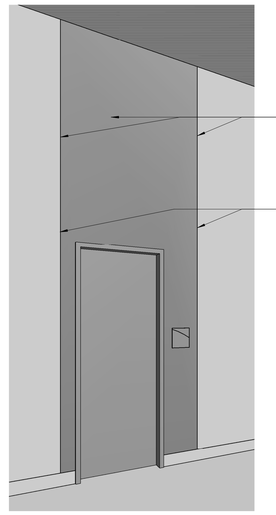
A5 ENTRY ELEVATION EAST

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



C1 TYPICAL INSET ENTRY

SCALE:NTS



B1 TYPICAL FLUSH ENTRY

SCALE:NTS

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
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DESIGNED BY: A. REESE
DRAWN BY: G. ATZENWEILER
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

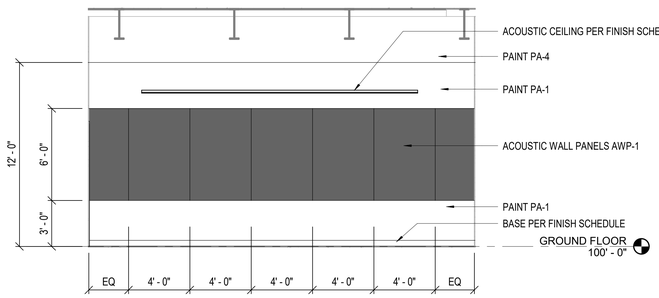
US Army Corps of Engineers

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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

INTERIOR ELEVATIONS

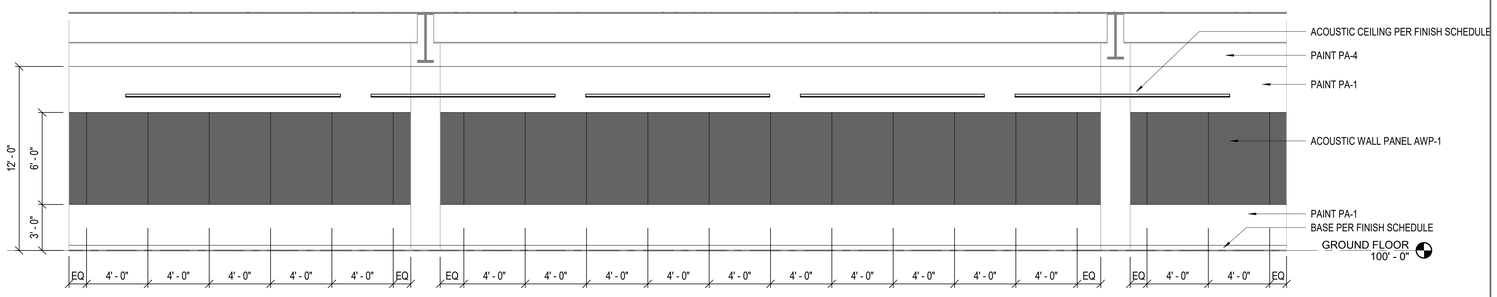
PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444A-751.DWG
SHEET IDENTIFICATION: A-751
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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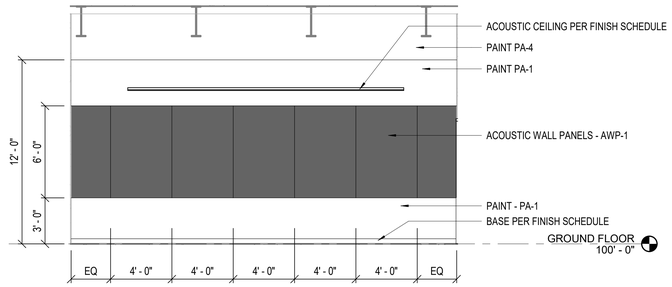
D5 CONFERENCE ROOM B123 - EAST ELEVATION

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



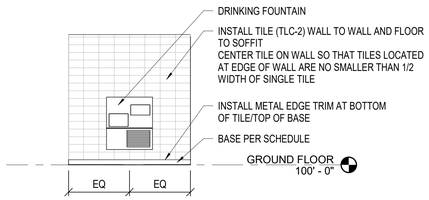
D3 CONFERENCE ROOM B123 - SOUTH ELEVATION

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



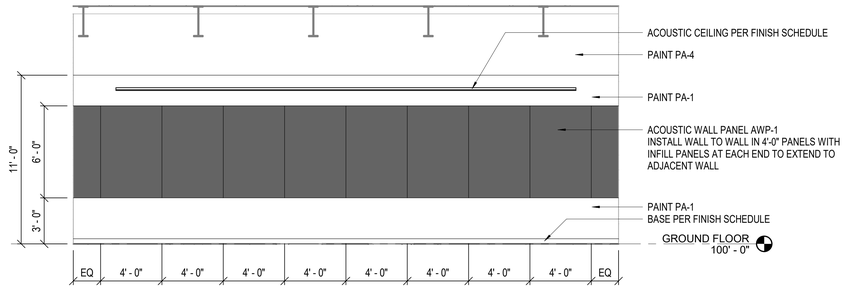
C5 CONFERENCE ROOM B123 - WEST ELEVATION

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



C3 TYPICAL ELEVATION AT DRINKING FOUNTAIN

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



C2 TYPICAL CONF ROOM ELEVATION

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

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. REESE
DRAWN BY: G. ATZENWEILER
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SUBMITTED BY: J. KLING

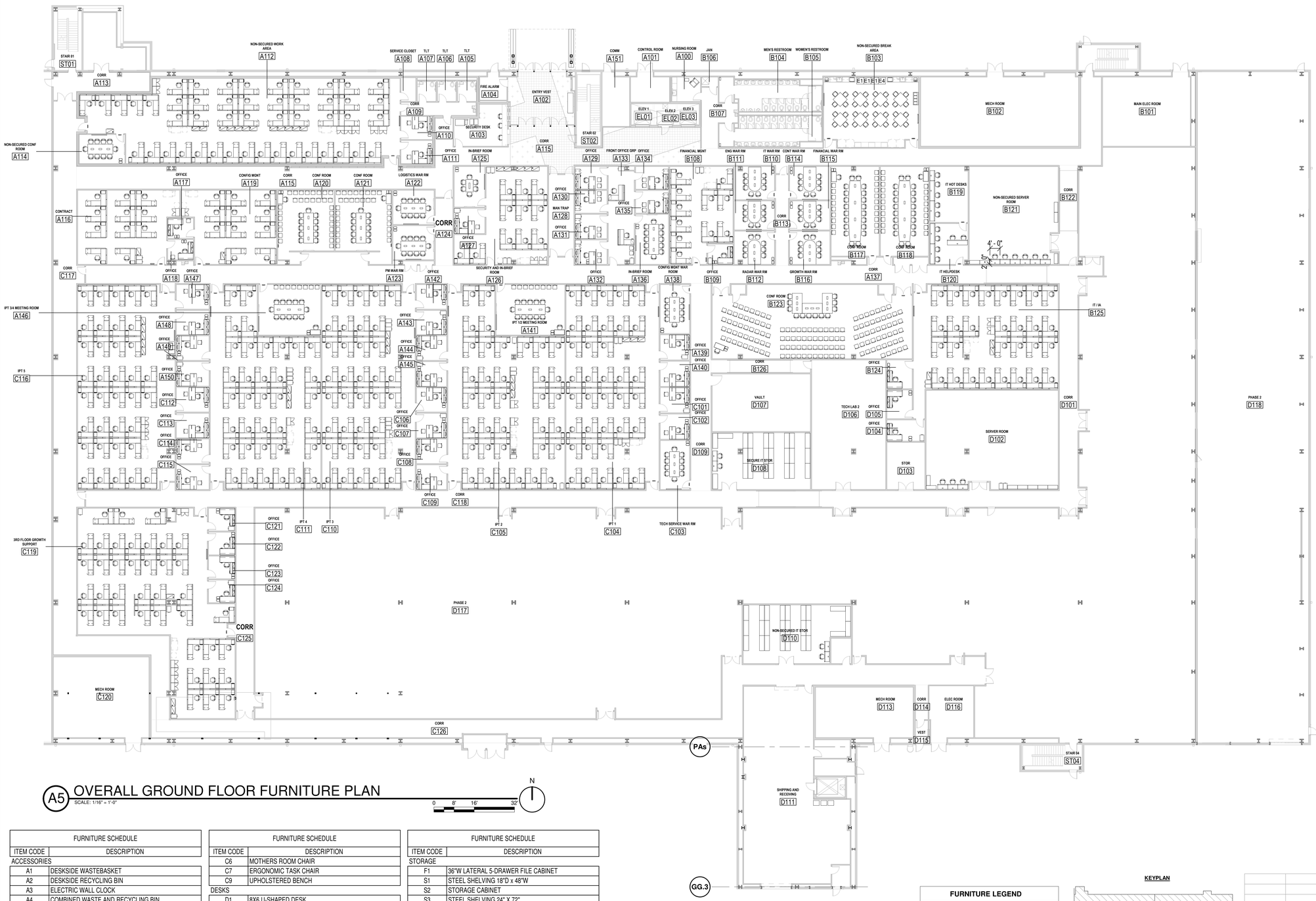
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

INTERIOR ELEVATIONS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 08/14/18
FILE NUMBER: 104444A-752.DWG
SHEET IDENTIFICATION: A-752
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A5 OVERALL GROUND FLOOR FURNITURE PLAN

SCALE: 1/16" = 1'-0"

0 8' 16' 32'

N

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
ACCESSORIES	
A1	DESKSIDE WASTEBASKET
A2	DESKSIDE RECYCLING BIN
A3	ELECTRIC WALL CLOCK
A4	COMBINED WASTE AND RECYCLING BIN
A5	WHITEBOARD 72" W x 48" H
A6	TACK BOARD 48" x 60"
A7	IN/OUT MARKER BOARD 32 NAMES
A8	IN/OUT MARKER BOARD 64 NAMES
A9	ROLL-OUT RECYCLING
A10	ROLL-OUT TRASH
A11	SURFACE MOUNTED WASTE RECEPTICAL
CHAIRS	
C1	ERGONOMIC TASK CHAIR
C2	CONFERENCE CHAIR
C3	OFFICE SIDE CHAIR
C4	CONFERENCE SIDE CHAIR
C5	CAFE CHAIR

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
C6	MOTHERS ROOM CHAIR
C7	ERGONOMIC TASK CHAIR
C9	UPHOLSTERED BENCH
DESKS	
D1	8X6 U-SHAPED DESK
D2	DESK L-SHAPED 7X6, OVERHEADS
D3	2' X 4' CONTROL DESK
D4	DESK WITH CREDENZA AND WARDROBE CABINET
D5	RECEPTION DESK WITH TRANSACTION TOP
EQUIPMENT	
E1	REFRIGERATOR
E2	MICROWAVE
E3	COFFEE SERVICE
E4	FREEZER
E6 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E7 (GFGI)	FLOOR SHREDDER
E8 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E9 (GFGI)	COLOR DESKTOP PRINTER

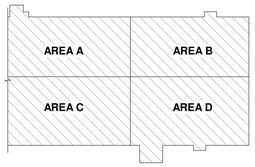
FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
STORAGE	
F1	36"W LATERAL 5-DRAWER FILE CABINET
S1	STEEL SHELVING 18"D x 48"W
S2	STORAGE CABINET
S3	STEEL SHELVING 24" X 72"
TABLES	
T1	MEDIUM RECTANGLE CONFERENCE TABLE
T2	120"W X 48"D CONFERENCE TABLE
T3	48" SQUARE CAFE TABLE
T4	60"W X 36"D CONFERENCE TABLE
T5	(2) 144"W X 60"D CONFERENCE TABLE
T6	96"W X 60"D CONFERENCE TABLE
T7	120"W X 42"D CONFERENCE TABLE
T8	96"W X 48"D CONFERENCE TABLE
T9	TRAINING TABLE
T11	MEDIUM RECTANGLE CONFERENCE TABLE - VENEER
T12	SIDE TABLE
WB1	ELECTRICAL WORKBENCH
WORKSTATIONS	
WS1	WORKSTATION WS66L1

GENERAL FURNITURE PLAN NOTES:

1. REFER TO ARCHITECTURAL FLOOR PLANS FOR BUILDING LAYOUT, DIMENSIONS, AND COORDINATION TO BUILDING SYSTEMS AND STRUCTURE.
2. REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF LIGHTING, POWER, DATA, COMMUNICATIONS, AND LOCATIONS OF OTHER WALL AND FLOOR MOUNTED ELECTRICAL DEVICES AND EQUIPMENT FOR COORDINATION TO FURNITURE LAYOUTS. CONTRACTOR SHALL IDENTIFY ANY CONFLICTS WITH FURNITURE LAYOUTS.
3. REFER TO MECHANICAL DRAWINGS FOR COORDINATION OF PLUMBING AND HVAC SYSTEMS TO FURNITURE LAYOUTS. THERMOSTATS, DIFFUSERS AND ACCESS PANELS SHALL NOT CONFLICT WITH FURNITURE LAYOUTS. CONTRACTOR SHALL IDENTIFY ANY CONFLICTS WITH FURNITURE LAYOUTS.
4. REFER TO FF&E PACKAGE FOR FURNITURE PROCUREMENTINFORMATION AND BASIS OF DESIGN OR EQUIVALENT SPECIFICATIONS.
5. REFER TO AUDIO VISUAL DRAWINGS AND SPECIFICATIONS FOR FLAT PANEL DISPLAY PLACEMENT, SIZES AND QUANTITIES.
6. FURNITURE INSTALLER/CONTRACTOR SHALL COORDINATE POWER/COMM/DATA CONNECTIONS WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION OF ELECTRIFIED FURNISHINGS.
7. PROVIDE BLOCKING AS REQUIRED FOR ALL WALL MOUNTED MARKERBOARDS, TACKBOARDS, STORAGE UNITS OR AV EQUIPMENT INCLUDING FLAT PANEL DISPLAYS OR PROJECTION SCREENS.
8. INSTALL MARKERBOARDS AND TACKBOARDS AT 3'-0" TO THE BOTTOM OF THE UNIT UNLESS NOTED OTHERWISE.
9. INSTALL CLOCKS AT 8'-0" AFF TO CENTER OF CLOCK UNLESS OTHERWISE NOTED.
10. ALL FLAT PANEL DISPLAYS TO BE INSTALLED WITH ADJUSTABLE WALL MOUNT BRACKETS TO ALLOW FOR CONCEALMENT OF ALL CORDS AND ELECTRICAL/COMMUNICATIONS OUTLETS BEHIND THEM. COORDINATE FLAT PANEL DISPLAY PLACEMENTS WITH WALL BLOCKING AND ELECTRICAL DRAWINGS.
11. SYSTEMS FURNISHINGS ACCESSORIES SHALL BE PROCURED AS A KIT OF PARTS. REFER TO FF&E DOCUMENTS FOR DETAILS.
12. FURNITURE, FIXTURES AND EQUIPMENT (FF&E) DRAWINGS PROVIDED FOR COORDINATION WITH BUILDING SYSTEMS ONLY.
13. PERSONAL TRASH AND RECYCLING BASKETS NOT SHOWN ON DRAWINGS TO BE PROVIDED AT EACH WORKSTATION AND PRIVATE OFFICE DESK. REFER TO FF&E SPECIFICATION PACKAGE FOR QUANTITIES AND ADDITIONAL LOCATIONS.
14. FURNITURE AND EQUIPMENT SHOWN DASHED AND HALFTONED SHALL BE GOVERNMENT FURNISHED, GOVERNMENT INSTALLED (GFGI). GFGI ITEMS ARE NOT INCLUDED IN THE FF&E PACKAGE AND ARE SHOWN FOR COORDINATION PURPOSES ONLY. GFGI ITEMS MAY INCLUDE PRINTERS, COPIERS, FAX MACHINES, SHREDDERS, DIGITAL SENDERS, VENDING MACHINES AND OTHER ITEMS AS INDICATED.
15. FF&E CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND SITE CONDITIONS TO ENSURE PROPER FIT OF ALL FF&E. FURNISHINGS SHALL NOT OVERLAP OR OBSTRUCT DOOR FRAMES, WALL SWITCHES, THERMOSTATS, OR OTHER WALL MOUNTED ITEMS. MODIFICATIONS TO FURNISHINGS LAYOUTS REQUIRED TO MEET BUILDING CONDITIONS AT THE TIME OF INSTALLATION SHALL BE THE RESPONSIBILITY OF THE FF&E CONTRACTOR. ALL MODIFICATIONS MUST BE APPROVED IN WRITING BY A GOVERNMENT APPROVED REPRESENTATIVE PRIOR TO INSTALLATION OF THE FURNISHINGS.

FURNITURE LEGEND	
A	ACCESSORIES
C	CHAIRS
D	DESKS
E	EQUIPMENT
GFGI	GOVERNMENT PROVIDED GOVERNMENT INSTALLED
F	FILE CABINETS
S	STORAGE CABINETS
T	TABLES
WS	WORKSTATIONS

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. REESE
DRAWN BY: G. ATZENWEILER
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

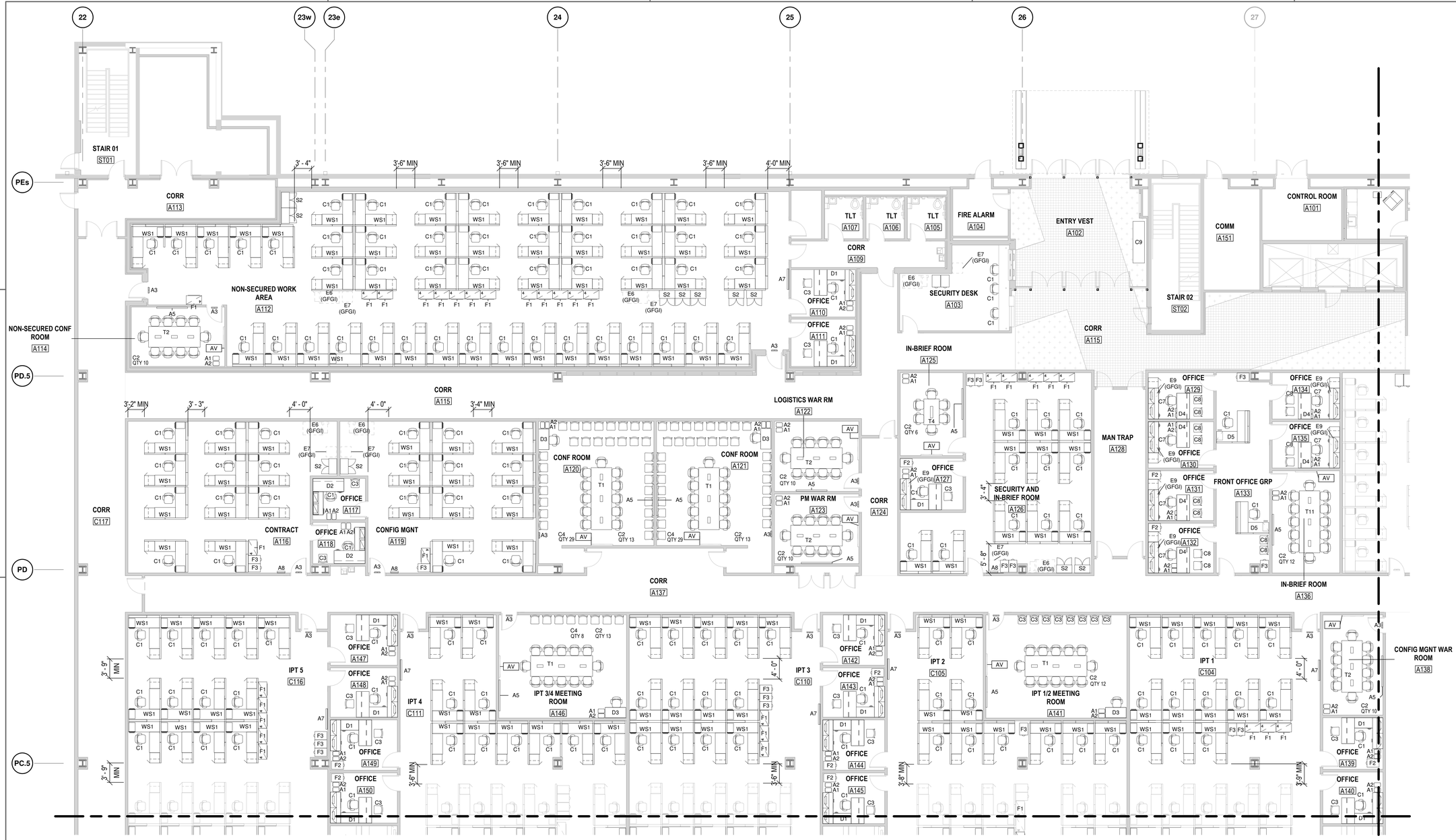
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

OVERALL GROUND FLOOR FURNITURE PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444I-010.DWG
SHEET IDENTIFICATION: I-010
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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A5 GROUND FLOOR FURNITURE PLAN AREA - A

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

N

0 4' 8' 16'

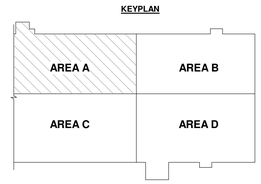
FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
ACCESSORIES	
A1	DESKSIDE WASTEBASKET
A2	DESKSIDE RECYCLING BIN
A3	ELECTRIC WALL CLOCK
A4	COMBINED WASTE AND RECYCLING BIN
A5	WHITEBOARD 72" W x 48" H
A6	TACK BOARD 48" x 60"
A7	IN/OUT MARKER BOARD 32 NAMES
A8	IN/OUT MARKER BOARD 64 NAMES
A9	ROLL-OUT RECYCLING
A10	ROLL-OUT TRASH
A11	SURFACE MOUNTED WASTE RECEPTICAL
CHAIRS	
C1	ERGONOMIC TASK CHAIR
C2	CONFERENCE CHAIR
C3	OFFICE SIDE CHAIR
C4	CONFERENCE SIDE CHAIR
C5	CAFE CHAIR

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
C6	MOTHERS ROOM CHAIR
C7	ERGONOMIC TASK CHAIR
C9	UPHOLSTERED BENCH
DESKS	
D1	8X6 U-SHAPED DESK
D2	DESK L-SHAPED 7X6, OVERHEADS
D3	2' X 4' CONTROL DESK
D4	DESK WITH CREDENZA AND WARDROBE CABINET
D5	RECEPTION DESK WITH TRANSACTION TOP
EQUIPMENT	
E1	REFRIGERATOR
E2	MICROWAVE
E3	COFFEE SERVICE
E4	FREEZER
E6 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E7 (GFGI)	FLOOR SHREDDER
E8 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E9 (GFGI)	COLOR DESKTOP PRINTER

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
STORAGE	
F1	36"W LATERAL 5-DRAWER FILE CABINET
S1	STEEL SHELVING 18"D x 48"W
S2	STORAGE CABINET
S3	STEEL SHELVING 24" X 72"
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T1	MEDIUM RECTANGLE CONFERENCE TABLE
T2	120"W X 48"D CONFERENCE TABLE
T3	48" SQUARE CAFE TABLE
T4	60"W X 36"D CONFERENCE TABLE
T5	(2) 144"W X 60"D CONFERENCE TABLE
T6	96"W X 60"D CONFERENCE TABLE
T7	120"W X 42"D CONFERENCE TABLE
T8	96"W X 48"D CONFERENCE TABLE
T9	TRAINING TABLE
T11	MEDIUM RECTANGLE CONFERENCE TABLE - VENEER
T12	SIDE TABLE
WB1	ELECTRICAL WORKBENCH
WORKSTATIONS	
WS1	WORKSTATION WS66L1

FURNITURE LEGEND	
A	ACCESSORIES
C	CHAIRS
D	DESKS
E	EQUIPMENT
GFGI	GOVERNMENT PROVIDED GOVERNMENT INSTALLED
F	FILE CABINETS
S	STORAGE CABINETS
T	TABLES
WS	WORKSTATIONS

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

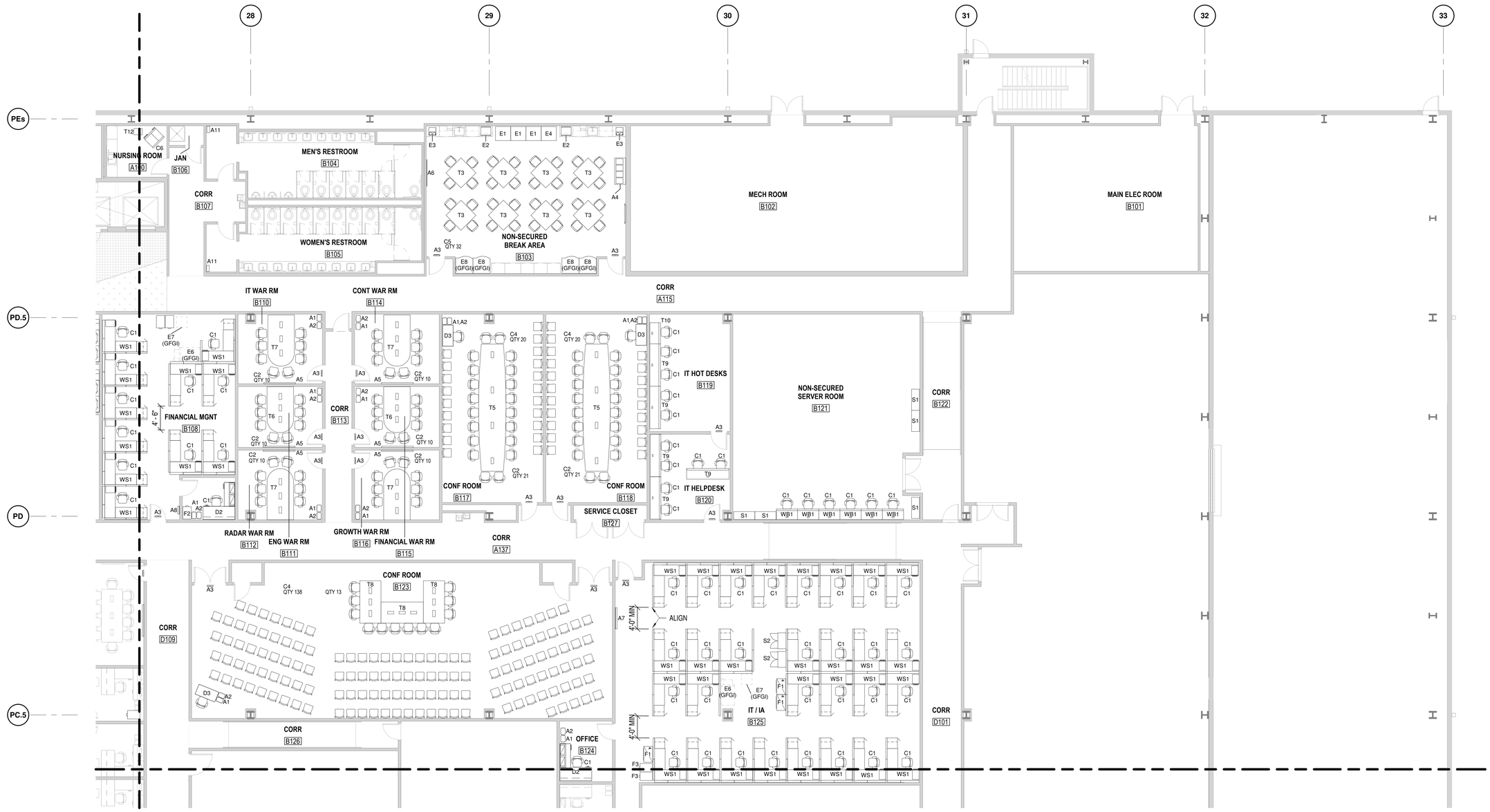
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR FURNITURE PLAN
AREA - A

DESIGNED BY:	A. REESE
DRAWN BY:	G. ATZENWEILER
CHECKED BY:	A. COHEN
REVIEWED BY:	TJ KIM
SUBMITTED BY:	J. KLING
PLOT SCALE:	AS NOTED
SIZE:	42x30
DATE:	02/20/17
FILE NUMBER:	104444I-101.DWG
SHEET IDENTIFICATION	I-101
SOLICITATION NO.:	?
CONTRACT NO.:	W912BV-15-D-0005
Sheet	of

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A5 GROUND FLOOR FURNITURE PLAN AREA - B

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

0 4' 8' 16'

N

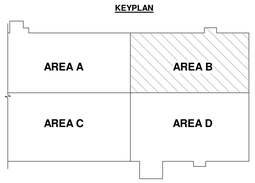
FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
ACCESSORIES	
A1	DESKSIDE WASTEBASKET
A2	DESKSIDE RECYCLING BIN
A3	ELECTRIC WALL CLOCK
A4	COMBINED WASTE AND RECYCLING BIN
A5	WHITEBOARD 72" W x 48" H
A6	TACK BOARD 48" x 60"
A7	IN/OUT MARKER BOARD 32 NAMES
A8	IN/OUT MARKER BOARD 64 NAMES
A9	ROLL-OUT RECYCLING
A10	ROLL-OUT TRASH
A11	SURFACE MOUNTED WASTE RECEPTICAL
CHAIRS	
C1	ERGONOMIC TASK CHAIR
C2	CONFERENCE CHAIR
C3	OFFICE SIDE CHAIR
C4	CONFERENCE SIDE CHAIR
C5	CAFE CHAIR

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
C6	MOTHERS ROOM CHAIR
C7	ERGONOMIC TASK CHAIR
C9	UPHOLSTERED BENCH
DESKS	
D1	8X6 U-SHAPED DESK
D2	DESK L-SHAPED 7X6, OVERHEADS
D3	2' X 4' CONTROL DESK
D4	DESK WITH CREDENZA AND WARDROBE CABINET
D5	RECEPTION DESK WITH TRANSACTION TOP
EQUIPMENT	
E1	REFRIGERATOR
E2	MICROWAVE
E3	COFFEE SERVICE
E4	FREEZER
E6 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E7 (GFGI)	FLOOR SHREDDER
E8 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E9 (GFGI)	COLOR DESKTOP PRINTER

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
STORAGE	
F1	36"W LATERAL 5-DRAWER FILE CABINET
S1	STEEL SHELVING 18"D x 48"W
S2	STORAGE CABINET
S3	STEEL SHELVING 24" X 72"
TABLES	
T1	MEDIUM RECTANGLE CONFERENCE TABLE
T2	120"W X 48"D CONFERENCE TABLE
T3	48" SQUARE CAFE TABLE
T4	60"W X 36"D CONFERENCE TABLE
T5	(2) 144"W X 60"D CONFERENCE TABLE
T6	96"W X 60"D CONFERENCE TABLE
T7	120"W X 42"D CONFERENCE TABLE
T8	96"W X 48"D CONFERENCE TABLE
T9	TRAINING TABLE
T11	MEDIUM RECTANGLE CONFERENCE TABLE - VENEER
T12	SIDE TABLE
WB1	ELECTRICAL WORKBENCH
WORKSTATIONS	
WS1	WORKSTATION WS66L1

FURNITURE LEGEND	
A	ACCESSORIES
C	CHAIRS
D	DESKS
E	EQUIPMENT
GFGI	GOVERNMENT PROVIDED GOVERNMENT INSTALLED
F	FILE CABINETS
S	STORAGE CABINETS
T	TABLES
WS	WORKSTATIONS

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. REESE
DRAWN BY: G. ATZENWEILER
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

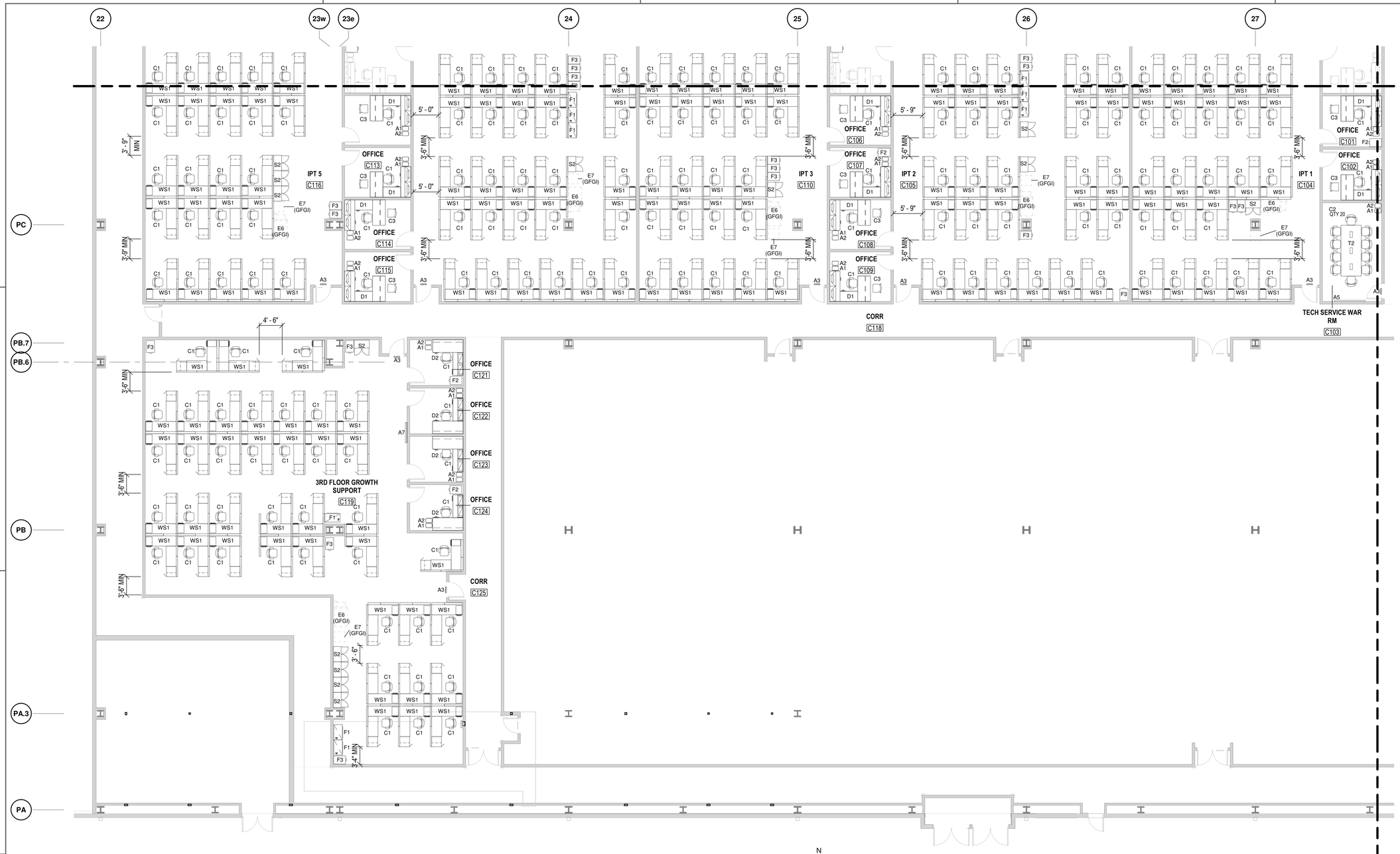
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR FURNITURE PLAN
AREA - B

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/20/17
FILE NUMBER: 104444I-102.DWG
SHEET IDENTIFICATION: I-102
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A5 GROUND FLOOR FURNITURE PLAN AREA - C

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

0 8' 16' 32'

N

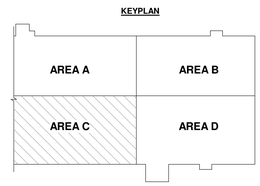
FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
ACCESSORIES	
A1	DESKSIDE WASTEBASKET
A2	DESKSIDE RECYCLING BIN
A3	ELECTRIC WALL CLOCK
A4	COMBINED WASTE AND RECYCLING BIN
A5	WHITEBOARD 72" W x 48" H
A6	TACK BOARD 48" x 60"
A7	IN/OUT MARKER BOARD 32 NAMES
A8	IN/OUT MARKER BOARD 64 NAMES
A9	ROLL-OUT RECYCLING
A10	ROLL-OUT TRASH
A11	SURFACE MOUNTED WASTE RECEPTICAL
CHAIRS	
C1	ERGONOMIC TASK CHAIR
C2	CONFERENCE CHAIR
C3	OFFICE SIDE CHAIR
C4	CONFERENCE SIDE CHAIR
C5	CAFE CHAIR

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
C6	MOTHERS ROOM CHAIR
C7	ERGONOMIC TASK CHAIR
C9	UPHOLSTERED BENCH
DESKS	
D1	8X6 U-SHAPED DESK
D2	DESK L-SHAPED 7X6, OVERHEADS
D3	2' X 4' CONTROL DESK
D4	DESK WITH CREDENZA AND WARDROBE CABINET
D5	RECEPTION DESK WITH TRANSACTION TOP
EQUIPMENT	
E1	REFRIGERATOR
E2	MICROWAVE
E3	COFFEE SERVICE
E4	FREEZER
E6 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E7 (GFGI)	FLOOR SHREDDER
E8 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E9 (GFGI)	COLOR DESKTOP PRINTER

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
STORAGE	
F1	36"W LATERAL 5-DRAWER FILE CABINET
S1	STEEL SHELVING 18"D x 48"W
S2	STORAGE CABINET
S3	STEEL SHELVING 24" X 72"
TABLES	
T1	MEDIUM RECTANGLE CONFERENCE TABLE
T2	120"W X 48"D CONFERENCE TABLE
T3	48" SQUARE CAFE TABLE
T4	60"W X 36"D CONFERENCE TABLE
T5	(2) 144"W X 60"D CONFERENCE TABLE
T6	96"W X 60"D CONFERENCE TABLE
T7	120"W X 42"D CONFERENCE TABLE
T8	96"W X 48"D CONFERENCE TABLE
T9	TRAINING TABLE
T11	MEDIUM RECTANGLE CONFERENCE TABLE - VENEER
T12	SIDE TABLE
WB1	ELECTRICAL WORKBENCH
WORKSTATIONS	
WS1	WORKSTATION WS66L1

FURNITURE LEGEND	
A	ACCESSORIES
C	CHAIRS
D	DESKS
E	EQUIPMENT
GFGI	GOVERNMENT PROVIDED GOVERNMENT INSTALLED
F	FILE CABINETS
S	STORAGE CABINETS
T	TABLES
WS	WORKSTATIONS

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

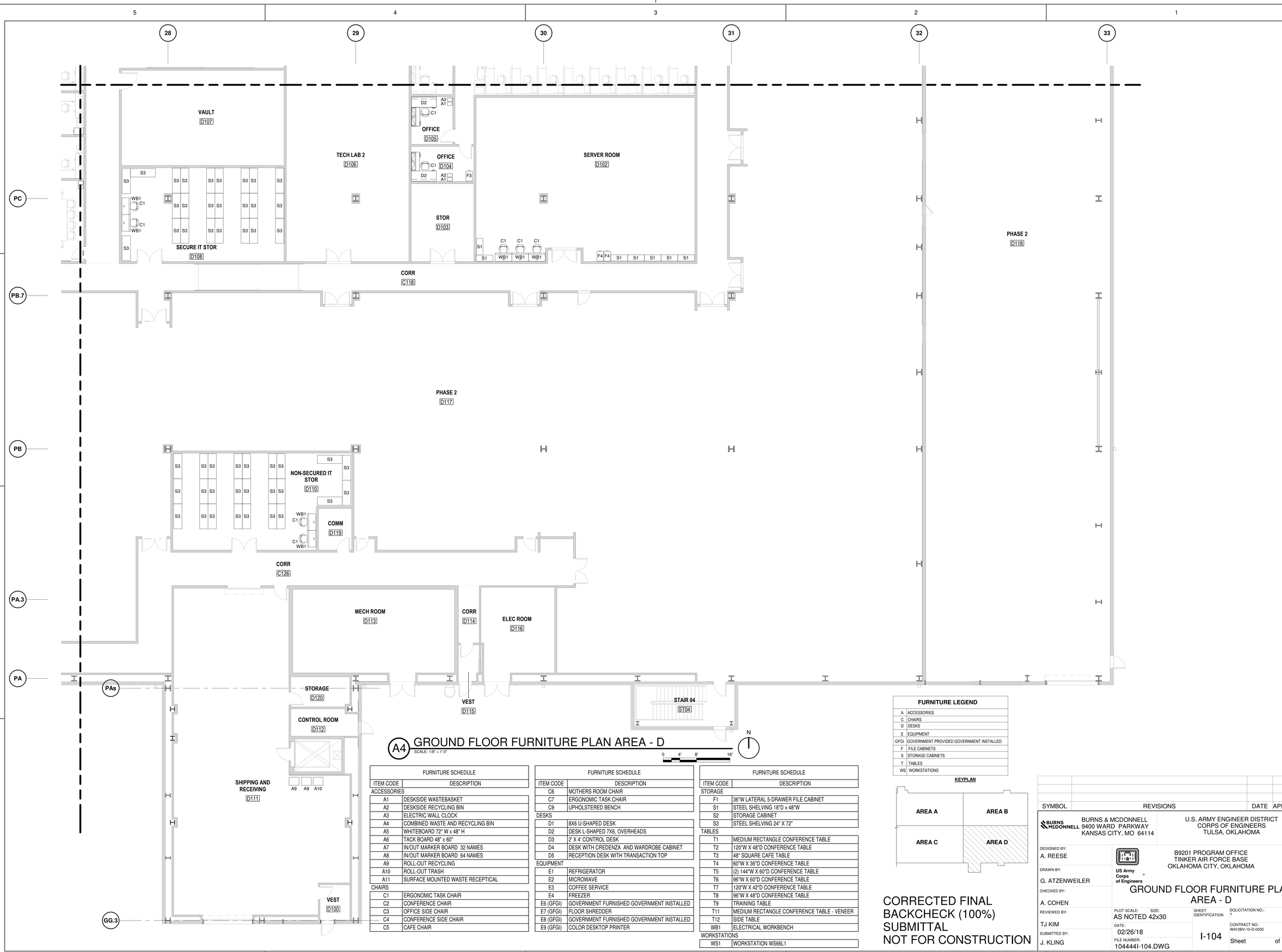
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

GROUND FLOOR FURNITURE PLAN
AREA - C

DESIGNED BY: A. REESE
DRAWN BY: G. ATZENWEILER
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING
PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/26/18
FILE NUMBER: 104444I-103.DWG
SHEET IDENTIFICATION: I-103
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
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A4 GROUND FLOOR FURNITURE PLAN AREA - D

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

0 4' 8' 16'

N

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
ACCESSORIES	
A1	DESKSIDE WASTEBASKET
A2	DESKSIDE RECYCLING BIN
A3	ELECTRIC WALL CLOCK
A4	COMBINED WASTE AND RECYCLING BIN
A5	WHITEBOARD 72" W x 48" H
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C4	CONFERENCE SIDE CHAIR
C5	CAFE CHAIR

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
C6	MOTHERS ROOM CHAIR
C7	ERGONOMIC TASK CHAIR
C9	UPHOLSTERED BENCH
DESKS	
D1	8X6 U-SHAPED DESK
D2	DESK L-SHAPED 7X6, OVERHEADS
D3	2' X 4' CONTROL DESK
D4	DESK WITH CREDENZA AND WARDROBE CABINET
D5	RECEPTION DESK WITH TRANSACTION TOP
EQUIPMENT	
E1	REFRIGERATOR
E2	MICROWAVE
E3	COFFEE SERVICE
E4	FREEZER
E6 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E7 (GFGI)	FLOOR SHREDDER
E8 (GFGI)	GOVERNMENT FURNISHED GOVERNMENT INSTALLED
E9 (GFGI)	COLOR DESKTOP PRINTER

FURNITURE SCHEDULE	
ITEM CODE	DESCRIPTION
STORAGE	
F1	36"W LATERAL 5-DRAWER FILE CABINET
S1	STEEL SHELVING 18"D x 48"W
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WS1	WORKSTATION WS66L1

FURNITURE LEGEND	
A	ACCESSORIES
C	CHAIRS
D	DESKS
E	EQUIPMENT
GFGI	GOVERNMENT PROVIDED GOVERNMENT INSTALLED
F	FILE CABINETS
S	STORAGE CABINETS
T	TABLES
WS	WORKSTATIONS

KEYPLAN

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: A. REESE
DRAWN BY: G. ATZENWEILER
CHECKED BY: A. COHEN
REVIEWED BY: TJ KIM
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

GROUND FLOOR FURNITURE PLAN AREA - D

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 02/26/18
FILE NUMBER: 104444I-104.DWG
SHEET IDENTIFICATION: I-104
SOLICITATION NO.: ?
CONTRACT NO.: W912BV-15-D-0005
Sheet of

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FIRE ALARM / MNS LEGEND

FACU/ACU	COMBINATION FIRE ALARM CONTROL UNIT AND AUTONOMOUS CONTROL UNIT
NAC	NOTIFICATION CIRCUIT POWER BOOSTER, EXTENDER PANEL
AMP	AMPLIFIER
BATT	SECONDARY POWER SUPPLY (BATTERY)
SS	SURGE SUPPRESSOR WITH DEDICATED GROUND (TRANSIENT VOLTAGE SURGE SUPPRESSOR)
FAC	FIRE ALARM COMMUNICATOR (e.g. RF TRANSMITTER)
LOC	LOCAL OPERATING CONSOLE
F	MANUAL FIRE ALARM PULL STATION
VS	VALVE SUPERVISORY SWITCH (PROVIDED BY DIVISION 21)
WF	WATER FLOW DETECTOR / SWITCH (PROVIDED BY DIVISION 21)
RL	NON-ADDRESSABLE OUTPUT RELAY
ASD	AIR SAMPLING SMOKE DETECTOR
HTCP	HEAT TRACE CONTROL PANEL
PA	PUBLIC ADDRESS SYSTEM
S R	SMOKE DETECTOR / SENSOR FOR DUCT S = SUPPLY
S P	SMOKE DETECTOR P = PHOTOELECTRIC
S	SPEAKER
	SPEAKER / STROBE COMBINATION
	CLEAR STROBE
AOM	ADDRESSABLE OUTPUT CONTROL MODULE
AIM	ADDRESSABLE INPUT MONITOR MODULE
	ANTENNA
	GROUND
CO	CARBON MONOXIDE DETECTOR
	REMOTE ALARM INDICATOR
ET	EMERGENCY TEXTUAL VISABLE APPLIANCE

ABBREVIATIONS:

ACH	AIR CHANGES PER HOUR
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AWG	AMERICAN WIRE GAGE
CD	CANDELA
CFM	CUBIC FEET PER MINUTE
CIS	COMMON INTELLIGIBILITY SCALE
CO	CARBON MONOXIDE
DBA	DECIBEL A-WEIGHTED
FA	FIRE ALARM
FM	FM GLOBAL
FX	FIRE SUPPRESSION
HZ	HERTZ
IDC	INITIATING DEVICE CIRCUIT
MNS	MASS NOTIFICATION SYSTEM
NAC	NOTIFICATION APPLIANCE CIRCUIT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
RF	RADIO FREQUENCY
SLC	SIGNALING LINE CIRCUIT
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
WP	WEATHER PROOF (NEMA 250, TYPE 3R)

DETAIL/SECTION/PLAN TITLE



AUDIBLE DESIGN CRITERIA:

1. PROVIDE AUDIBLE NOTIFICATION APPLIANCES AS INDICATED TO ACCOMPLISH THE FOLLOWING DESIGN CRITERIA WITH ALL DOORS AND WINDOWS CLOSED. WHERE THIS DESIGN CRITERIA IS NOT ACCOMPLISHED DURING COMMISSIONING, PROVIDE ADDITIONAL DEVICES TO MEET THE MINIMUM DESIGN CRITERIA WITHOUT EXCEEDING THE LIMITATIONS OF THE FACU/ACU, NAC, OR AMP. (INCLUSIVE OF PRESCRIBED SAFETY FACTORS).
2. PROVIDE A QUANTITY OF SPEAKERS IN EACH ROOM/AREA TO ACHIEVE THE REQUIRED SOUND POWER AND INTELLIGIBILITY OUTLINED IN THESE CONTRACT DOCUMENTS. NOTE: DEPENDING ON THE QUALITY OF SPEAKER USED, SEVERAL SPEAKERS TAPPED AT A LOWER SETTING MAY BE REQUIRED TO ACHIEVE THE PRESCRIPTIVE CIS SCORE.
3. PROVIDE A MINIMUM SOUND POWER OF 70 DBA AND 15 DBA OVER THE AVERAGE AMBIENT SOUND LEVEL AT THE MOST REMOTE LOCATION WITHIN THE ROOM/AREA MEASURED AT 5 FT AFF. MEASURE THE SOUND POWER OFF THE TEMPORAL THREE TONE PATTERN. THE FOLLOWING CRITERIA WILL BE USED FOR REVIEW AND APPROVAL OF SHOP DRAWINGS.
   A. REDUCE THE SOUND POWER BY 6 DB EACH TIME THE DISTANCE BETWEEN THE APPLIANCE AND THE LISTENER IS DOUBLED. STARTING DISTANCE IS PER MANUFACTURER'S DATASHEET, TYPICALLY 10 FT.
   B. REDUCE THE SOUND POWER IN ACCORDANCE WITH THE MANUFACTURER'S DATASHEET FOR SOUND POWER DISTRIBUTION NOT PERPENDICULAR TO THE FACE OF THE APPLIANCE. REFER TO MANUFACTURER'S TYPICAL SOUND OUTPUT DISTRIBUTION DIAGRAM.
   C. IN LIEU OF THE MANUFACTURER'S PUBLISHED DB LOSS, ASSUME A MINIMUM 15 DB LOSS THROUGH A STANDARD CLOSED DOOR. FOR STC RATED DOOR ASSEMBLIES, CONFIRM TRANSMISSION LOSS (IN DB) WITH MANUFACTURER FOR PLACEMENT OF NOTIFICATION APPLIANCES.
4. PROVIDE EXTERIOR SPEAKERS MEETING A MINIMUM SOUND POWER OF 70 DBA AND 15 DBA OVER THE AVERAGE AMBIENT SOUND LEVEL, AND A CIS OF 0.8 WITHIN THE AREA INDICATED MEASURED AT 5 FT ABOVE GRADE. MEASURE THE SOUND POWER OFF THE TEMPORAL THREE TONE PATTERN. THE AVERAGE AMBIENT SOUND LEVEL IS THE ROOT MEAN SQUARE, A-WEIGHTED, SOUND PRESSURE LEVEL MEASURED OVER THE DURATION THE BUILDING IS NORMALLY OCCUPIED.
5. MEET THE FOLLOWING INTELLIGIBILITY CRITERIA:
   A. ACHIEVE A CIS SCORE OF 0.8 IN EACH ROOM MEASURED AT 5 FT AFF.
   B. A LESSER CIS IS PERMITTED IN AREAS OF THE BUILDING WITH EXCESSIVE SOUND REFLECTIONS, SUCH AS ROOMS WITH HARD SURFACES (METAL, TILE, OR CONCRETE), WHERE THE OCCUPANT CAN WALK NO MORE THAN 33 FT TO A LOCATION THAT ACHIEVES THE MINIMUM CIS. THIS AREA MUST BE READILY ACCESSIBLE, WITHOUT REQUIRING THE OCCUPANT TO WALK THROUGH A SECURED DOOR/AREA OR EXIT THE BUILDING.
   C. A LESSER CIS IS PERMITTED IN NORMALLY UNOCCUPIED ROOM OF THE BUILDING, WHERE THE OCCUPANT CAN WALK NO MORE THAN 50 FT TO A LOCATION THAT ACHIEVES THE MINIMUM CIS. THIS AREA MUST BE READILY ACCESSIBLE, WITHOUT REQUIRING THE OCCUPANT TO WALK THROUGH A SECURED DOOR/AREA OR EXIT THE BUILDING. NORMALLY UNOCCUPIED ROOMS ARE CONSIDERED TO BE STORAGE ROOMS < 100 SF, MECHANICAL / ELECTRICAL ROOMS AND COMMUNICATION CLOSETS.
   D. A LESSER CIS IS PERMITTED IN PORTIONS OF A LARGE CAVERNOUS-TYPE ROOM, WHERE THE OCCUPANT CAN WALK NO MORE THAN 98 FT WITHIN THE SAME ROOM TO A LOCATION THAT ACHIEVES THE MINIMUM CIS.

VISIBLE DESIGN CRITERIA:

1. PROVIDE VISIBLE NOTIFICATION APPLIANCES AS REQUIRED TO ACHIEVE THE COVERAGE INDICATED.
2. SPACE STROBES IN ACCORDANCE WITH THE CRITERIA OUTLINED IN NFPA 72, UNLESS OTHERWISE NOTED.
3. WHERE SPEAKERS AND STROBES ARE LOCATED IN THE SAME AREA THEY MAY BE COMBINED INTO ONE DEVICE.

GENERAL NOTES:

1. PROVIDE AN ADDRESSABLE COMBINED FIRE ALARM / MASS NOTIFICATION SYSTEM. THIS PROJECT INCLUDES THE DEMOLITION OF THE EXISTING FIRE ALARM SYSTEM AS OUTLINED IN THESE DRAWINGS AND SPECIFICATIONS.
2. COORDINATE ALL REQUIRED SYSTEMS TO THE SATISFACTION OF THE ENGINEER AND AUTHORITY HAVING JURISDICTION. ANY DEFICIENCIES, INCONSISTENCIES, OR POORLY COORDINATED INSTALLATIONS SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST.
3. THE FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE AND SHOW A MINIMAL QUANTITY OF DEVICES. DETERMINE THE FINAL QUANTITY AND LOCATION OF ALL DEVICES IN ACCORDANCE WITH THE SPECIFICATIONS, CONTRACT DRAWINGS, AND MANUFACTURER'S WRITTEN RECOMMENDATIONS TO BE COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS. PROVIDE ADDITIONAL DEVICES WHEN REQUIRED FOR A FULLY FUNCTIONING FIRE ALARM SYSTEM AS REQUIRED BY NFPA 72, UFC 3-600-01 AND UFC 4-021-01.
4. CONCEAL ALL CONDUITS IN WALLS OR ABOVE CEILINGS UNLESS OTHERWISE INDICATED. EXCEPTION: CONDUIT IS ALLOWED TO BE SURFACE MOUNTED ON WALLS AND CEILINGS IN UNFINISHED AREAS (SUCH AS MECHANICAL ROOM AND ELECTRICAL ROOM). WHERE A CONDUIT SUPPLIES A DEVICE NOT MOUNTED DIRECTLY ON THE WALL OR CEILING, ROUTE THE CONDUIT AS A SINGLE PENDENT DROP TO EACH DEVICE FROM THE CEILING SURFACE ABOVE. DO NOT TRAPEZE CONDUIT ACROSS AN OPEN SPACE.
5. ALL EXPOSED FIRE ALARM JUNCTION BOXES, COVERS AND CONDUITS IN UNFINISHED AREAS ARE TO BE PROVIDED PRE-FINISHED RED FROM THE FACTORY. PAINT EXPOSED CONDUIT AND JUNCTION BOXES IN FINISHED AREAS TO MATCH ADJACENT SURFACES. JUNCTION BOXES INSIDE COVER LABELED, "FIRE ALARM". WHERE CONDUIT PENETRATES A WALL, RED 3/4 INCH WIDE BANDS SHALL BE PAINTED EVERY 20FT AND BOTH SIDES OF PENETRATIONS PER UFC 3-600-01. ALL STAND ALONE MNS CONDUIT, JUNCTION BOXES, AND COVERS SHALL BE FACTORY PAINTED YELLOW.
6. PROVIDE CONDUIT IN ACCORDANCE WITH THE REQUIREMENTS OF THE ELECTRICAL SPECIFICATIONS, UNLESS OTHERWISE NOTED. SUPPORT CONDUIT IN ACCORDANCE WITH THE NEC SUCH AS MAXIMUM 10 FT SUPPORT INTERVALS AND 3 FT FROM A TERMINATION. TENSION ONLY HANGERS ARE NOT PERMITTED SUCH AS BATWINGS. FLEXIBLE CONDUIT IS ONLY PERMITTED WHEN CONNECTING TO THE FOLLOWING DEVICES AND APPLIANCES, DEVICES LOCATED ON FIRE SUPPRESSION EQUIPMENT SUCH AS FLOW/PRESSURE SWITCHES, SOLENOIDS, AND TAMPER SWITCHES. DEVICES AND APPLIANCES LOCATED IN REMOVABLE CEILING TILES, OR WHERE SPECIFICALLY NOTED.
7. PROVIDE CONDUCTOR SIZING NOT LESS THAN 16 AWG FOR SLC. PROVIDE CONDUCTOR SIZING NOT LESS THAN 14 AWG FOR NAC AND IDC, PER TINKER BASE STANDARDS. CONSISTENTLY COLOR COORDINATE ALL CONDUCTORS THROUGH THE SYSTEM IN RELATION TO DEVICES THEY FEED SUCH AS SLC - BLACK/RED, STROBE - YELLOW/BLUE. PROVIDE ADDRESSABLE SLC CIRCUITS WITH SHIELDED CONDUCTORS, WHERE THE SHIELDING IS GROUNDED AT ONE END. PROVIDE ALL CIRCUITS WITH LABELING AT THE POINT OF TERMINATION SUCH AS SLC 1, NAC 8, IDC 4.
8. RUN CONDUCTORS FROM DEVICE TO DEVICE WITHOUT SPLICES. WIRE NUTS ARE PROHIBITED. UTILIZE TERMINAL STRIPS WHERE CONDUCTORS CANNOT BE DIRECTLY TERMINATED AT THE DEVICE. ALL CIRCUIT CONDUCTORS MUST BE PROVEN TO BE FREE FROM GROUNDS AND INSULATION CUTS.
9. DO NOT USE FIRE ALARM EQUIPMENT PANELS AS RACEWAY FOR ROUTING POWER WIRING OR LOW VOLTAGE WIRING. ONLY ROUTE WIRING TERMINATING WITHIN THE PANEL INTO THE PANEL. PROVIDE 1/4 INCH SEPARATION BETWEEN POWER-LIMITED FIRE ALARM CIRCUITS AND POWER CIRCUITS.
10. MOUNTING DEVICES IN THE FACU, INCLUDING ANY SUBPANELS SUCH AS ACU, AMP, NAC, AND FAC, WHICH ARE NOT UL LISTED OR FM APPROVED AS PART OF THE UNIT IS PROHIBITED.
11. PROVIDE SURGE SUPPRESSORS TO PROTECT ALL POWER SUPPLY CIRCUITS TO THE FACU, INCLUDING ANY SUBPANELS SUCH AS ACU, AMP, NAC, FAC, AND ALL FIRE ALARM CIRCUITS LEAVING OR ENTERING THE BUILDING. DEVICES AND APPLIANCES MOUNTED DIRECTLY ON THE EXTERIOR OF THE BUILDING SUCH AS WALL MOUNTED EXTERIOR SPEAKERS DO NOT REQUIRE SUPPRESSORS WHEN LIGHTNING PROTECTION IS PROVIDED. MOUNT SURGE SUPPRESSORS IN A SEPARATE ENCLOSURE, UNLESS IT IS UL LISTED OR FM APPROVED AND INSTALLED IN THE CONTROL UNIT BY THE FACTORY. SURGE SUPPRESSORS SHALL ALL BE SEPARATELY GROUNDED FROM THE EQUIPMENT THEY PROTECT.
12. INSTALL FIRE ALARM BATTERIES IN THE ENCLOSURE OF THE DEVICE/UNIT IT SUPPORTS SUCH AS FACU/ACU ENCLOSURE OR IN AN INDEPENDENT DEDICATED ENCLOSURE.
13. PROVIDE GAIN CONTROL ON ALL MICROPHONES.
14. ALL FIRE ALARM WORK IN RELATION TO THE ICD 705 SPACE SHALL BE IN ACCORDANCE WITH UFC 4-010-05 AND ICD/ICS 705 V 1.4.
15. IN-DUCT SMOKE DETECTORS ARE TO BE PROVIDED AT THE SPECIFIED MECHANICAL EQUIPMENT AS LISTED ON SHEET FA601. REFERENCE MECHANICAL DRAWING SCHEDULES AND PLANS FOR LOCATION AND QUANTITY OF EQUIPMENT.
16. SEE DRAWING AG003 FOR EXTENT OF PHASE 1 AND PHASE 2 WORK AREAS.

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BACKCHECK (100%)
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SYMBOL	REVISIONS	DATE	APPROVED

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SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FIRE ALARM NOTES, LEGEND AND ABBREVIATIONS

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 03/13/18
FILE NUMBER: 104444FA001.DWG
SHEET IDENTIFICATION: FA001
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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NOTES:

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. WALL MOUNTED NOTIFICATION DEVICES ARE REQUIRED IN UNFINISHED AREAS WITH CONGESTED CEILINGS SUCH AS A MECHANICAL ROOM.
3. ALL AMP PANELS SERVING THE ICD 705 SPACE SHALL BE LOCATED INSIDE THE ICD 705 SPACE IN LOCATIONS NOTED ON THE DRAWINGS. NOTIFICATION APPLIANCES LOCATED IN THE ICD 705 SPACE MAY BE POWERED BY FACU OR NAC PANELS LOCATED IN THE UNCONTROLLED AREA AND WIRED THROUGH THE ICD 705 SPACE BOUNDARY AT A SINGLE PENETRATION. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF PENETRATION AND DETAIL OF ICD 705 SPACE PERIMETER WALL PENETRATION.
4. COORDINATE WITH COMMUNICATION SYSTEM CABLE TRAYS THROUGHOUT THE GROUND LEVEL. PROVIDE ADDITIONAL FIRE ALARM AND MNS DEVICES AND EQUIPMENT AS REQUIRED. SEE COMMUNICATION DRAWINGS T-101, T-102, T-103 & T104.
5. DO NOT INSTALL SPRINKLER PIPING IN NON-HEATED CONCEALED SPACES AT EXTERIOR WALLS.
6. ALL PANELS WITHIN THE ICD 705 SPACE SHALL BE SURFACE MOUNTED. DO NOT RECESS.

FIRE ALARM HATCH LEGEND

NO HATCH	PHASE 2 SCOPE OF WORK
	PROVIDE CEILING MOUNTED SPEAKERS AND CLEAR STROBES AS REQUIRED TO ACHIEVE DESIGN CRITERIA.
	PROVIDE CEILING MOUNTED SPEAKERS AS REQUIRED TO ACHIEVE DESIGN CRITERIA.
	PROVIDE WEATHERPROOF WALL MOUNTED SPEAKERS, AS REQUIRED TO ACHIEVE DESIGN CRITERIA.

B1 FIRE ALARM AND MNS GROUND FLOOR PLAN
SCALE: 1/16" = 1'-0"

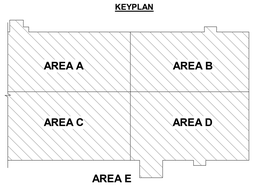
N

0 8' 16' 32'
SCALE IN FEET

KEYED NOTES:

1. PROVIDE EARLY WARNING AIR-SAMPLING SMOKE DETECTOR AND DISPLAY PANEL AND AIR-SAMPLING DETECTOR PIPING WITHIN ROOM. TWO SEPARATE DETECTION ZONES SHALL BE PROVIDED, ONE AT THE CEILING LEVEL AND ONE BELOW THE RAISED FLOOR. EACH ZONE SHALL HAVE ITS OWN PIPING NETWORK AND SAMPLING PORTS. IF NECESSARY, TWO DETECTION AND DISPLAY PANELS MAY BE PROVIDED TO MEET DESIGN CRITERIA.
2. PROVIDE SMOKE DETECTION ABOVE PANELS.
3. COORDINATE LOCATION AND QUANTITY OF DEVICES WITH FIRE PROTECTION CONTRACTOR.
4. PROVIDE SINGLE FIRE ALARM CONDUIT PENETRATION IN SECURED AREA BOUNDARY FOR ANY AND ALL FIRE ALARM AND MNS WIRING DEDICATED FOR THE ICD 705 AREA. PASS THROUGH FIRE ALARM AND MNS CONDUIT IS NOT PERMITTED. COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT LOCATION. ONLY ONE PENETRATION PERMITTED INTO/OUT OF SECURED AREA FOR FIRE ALARM CONDUIT. SEE ELECTRICAL DRAWINGS DETAIL A5/E504 FOR PENETRATION DETAIL.
5. NON-SECURED AREA APPLIANCE QUANTITY AND LOCATION BY CONTRACTORS DESIGN TO MEET DESIGN CRITERIA.
6. SECURED AREA APPLIANCE QUANTITY AND LOCATION BY CONTRACTORS DESIGN TO MEET DESIGN CRITERIA.
7. RUN EMPTY CONDUIT TO WITHIN 3 FEET OF ELEVATOR CONTROLLER FOR FUTURE INTERFACE BETWEEN FIRE ALARM SYSTEM AND ELEVATOR CONTROLLER IN ACCORDANCE WITH NFPA 72. PROVIDE SIGN AT END OF CONDUIT RUN, LABELING THE CONDUIT AS EMPTY AND FOR FUTURE PHASE II FIRE ALARM EXPANSION TO ELEVATOR CONTROLLER.
8. PROVIDE HEAT TRACING FOR REMAINING STUB-UP OF RISER P-22 AFTER DEMOLITION. REFER TO DETAIL C4/FX601.
9. ROUTE EMPTY CONDUIT WITH PULL STRING FROM FACU/ACU THROUGH FLOOR SLAB ABOVE FOR FUTURE PHASE 2 FIRE ALARM/MNS USE. CAP CONDUIT IMMEDIATELY UPON ENTRY TO SIXTEEN AND FORTY FOOT FLOORS. PROVIDE SIGNAGE AT EACH CAPPED END, LABELING THE CONDUIT AS EMPTY AND FOR FUTURE PHASE II FIRE ALARM EXPANSION. PENETRATION THROUGH THE EXISTING FLOOR SLAB SHALL BE MINIMUM 3'-0" AWAY FROM THE CENTERLINE OF ANY BEAM RUNNING NORTH AND SOUTH.
10. INSTALL MONACO ANTENNA ON THE BUILDING EXTERIOR OUTSIDE OF THE FIRE ALARM ROOM. ANTENNA SHALL BE MOUNTED AT AN ELEVATION TO MAINTAIN AN ACCEPTABLE SIGNAL WITH ALL RECEIVING STATIONS, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. THE COAXIAL CABLE BETWEEN THE ANTENNA AND TRANSCEIVER SHALL BE SIZED TO LIMIT LOSS TO NO GREATER THAN 3 DB.
11. COORDINATE EARLY WARNING AND FIRE ALARM PIPING AND DEVICE LOCATIONS WITH COMMUNICATION EQUIPMENT, AND CABLE TRAY LAYOUT. SEE COMMUNICATION DRAWINGS T-401, T-402 & T-403.
12. DO NOT PLACE FIRE ALARM DEVICES ON THIS WALL.
13. LOCATIONS OF ROOMS WITH CLOUD CEILINGS. PROVIDE NOTIFICATION APPLIANCES IN ROOMS TO MEET DESIGN CRITERIA. PENDANT CEILING MOUNTED APPLIANCES SHALL BE LEVEL WITH CLOUD CEILINGS.
14. PROVIDE ADDRESSABLE MODULE ONLY (DISABLED) NEAR EACH SPRINKLER CONTROL VALVE FOR FUTURE CONNECTION TO VALVE SUPERVISORY SWITCHES SERVING THE SIXTEEN FOOT AND FORTY FOOT FLOORS.
15. PROVIDE SMOKE DETECTOR COVERAGE ABOVE AND BELOW CLOUD CEILINGS IN ELEVATOR LOBBY. ALL SMOKE DETECTORS SHALL BE ACCESSIBLE FROM THE FLOOR LEVEL.

KEYPLAN



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BACKCHECK (100%)
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SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
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REVIEWED BY: -
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
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OKLAHOMA CITY, OKLAHOMA

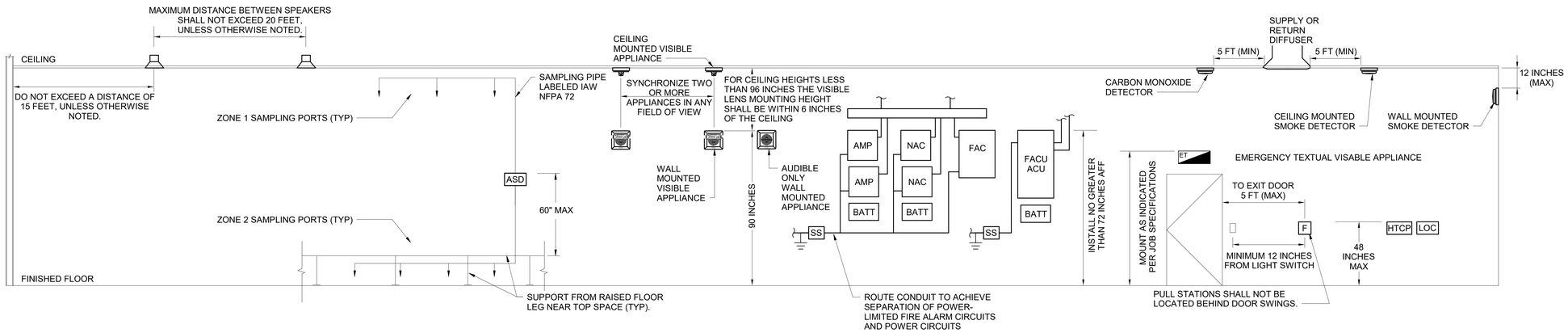
FIRE ALARM AND MNS GROUND FLOOR PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/13/18
FILE NUMBER: 104444FA101.DWG
SHEET IDENTIFICATION: FA101
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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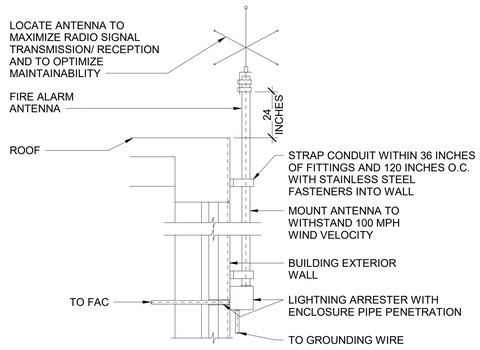
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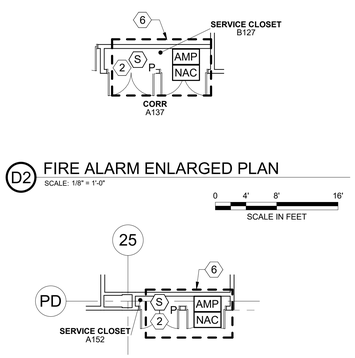
1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. FOLLOW MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS FOR ANTENNA INSTALLATION AND MOUNTING.



D1 TYPICAL MOUNTING DETAIL
SCALE:NTS



C1 MONACO ANTENNA MOUNTING DETAIL
SCALE:NTS

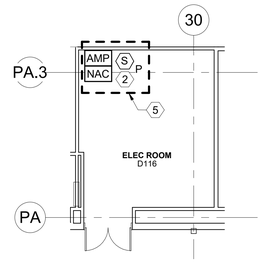


D2 FIRE ALARM ENLARGED PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'
SCALE IN FEET

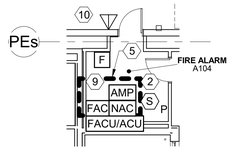
C2 FIRE ALARM ENLARGED PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'
SCALE IN FEET



C3 FIRE ALARM ENLARGED PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'
SCALE IN FEET



C4 FIRE ALARM ENLARGED PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'
SCALE IN FEET

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BACKCHECK (100%)
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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
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DRAWN BY: A. HANKINS
CHECKED BY: A. MOORE
REVIEWED BY: -
SUBMITTED BY: J. KLING

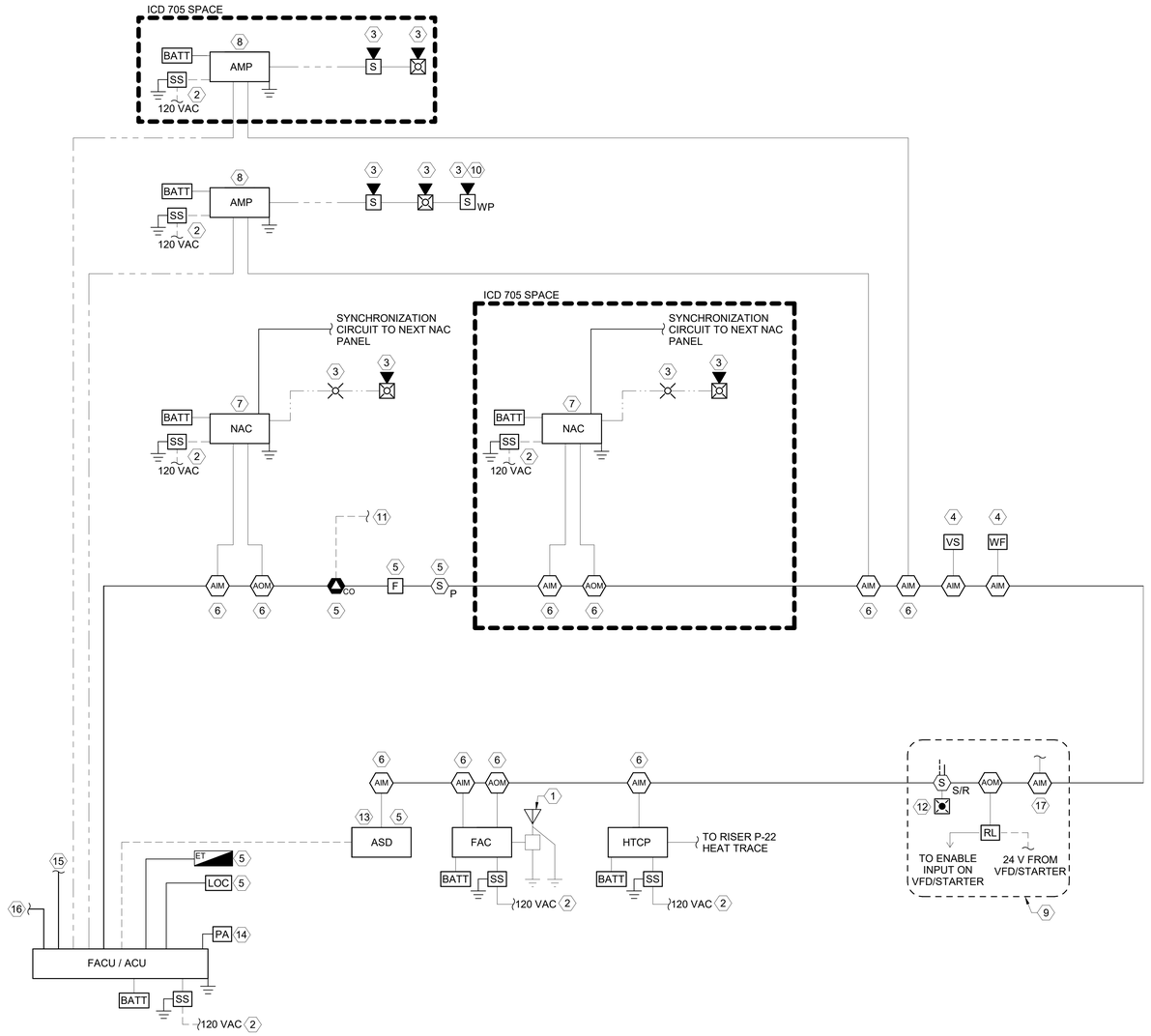
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OKLAHOMA CITY, OKLAHOMA

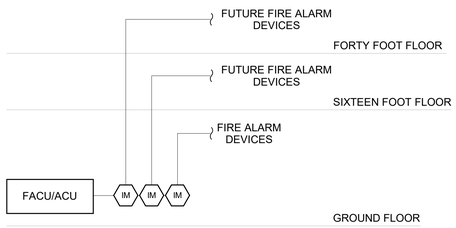
FIRE ALARM DETAILS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/13/18
FILE NUMBER: 104444FA501.DWG
SHEET IDENTIFICATION: FA501
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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B1 FIRE ALARM ONE-LINE DIAGRAM
SCALE:NTS



A1 CLASS B ISOLATION MODULE MOUNTING
SCALE:NTS

CIRCUIT LEGEND:

- SIGNALING LINE CIRCUIT (CLASS B)
- INITIATING DEVICE CIRCUITS
- VISIBLE NOTIFICATION APPLIANCE CIRCUIT (CLASS B)
- AUDIBLE NOTIFICATION APPLIANCE CIRCUIT (CLASS B)
- POWER CIRCUIT

NOTES:

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS, AND SYMBOLS.
2. THE FIRE ALARM RISER SHOWS THE INTENT OF THE FIRE ALARM INFRASTRUCTURE. NOT ALL DEVICES ARE SHOWN. CONTRACTOR SHALL PROVIDE THE QUANTITY OF DEVICES AS REQUIRED TO COMPLY WITH NFPA 72, UFC 3-600-01,UFC 4-021-01, UFC 4-010-05 AND CONTRACT DOCUMENTS.
3. EACH FLOW AND TAMPER SWITCH SHALL REPORT BACK TO THE FIRE ALARM CONTROL PANEL WITH A SEPARATE ADDRESS. GROUPED SWITCHES ON ONE ADDRESS ARE NOT ACCEPTABLE.
4. FIRE ALARM AND MASS NOTIFICATION SYSTEMS SHALL BE CAPABLE OF FUTURE EXPANSION TO ALL PORTIONS OF THE BUILDING.

KEYED NOTES:

1. MOUNT RADIO TRANSCEIVER ANTENNA PER MANUFACTURERS RECOMMENDATION. PROVIDE #6 BARE COPPER TO 3/4" X 10'-0" COPPER CLAD GROUND ROD AND TO BUILDING COUNTERPOISE, AND LIGHTNING ARRESTOR KIT.
2. COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE A DEDICATED EMERGENCY PANEL FOR FIRE ALARM CIRCUITS. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
3. QUANTITY AND LOCATION BY CONTRACTOR'S DESIGN TO MEET DESIGN CRITERIA.
4. REFER TO FIRE SUPPRESSION DRAWINGS FOR QUANTITY AND / OR LOCATIONS OF DEVICE(S).
5. REFER TO FIRE ALARM PLANS FOR QUANTITY AND / OR LOCATIONS OF DEVICE(S).
6. PROVIDE ADDRESSABLE INPUT AND/OR OUTPUT MODULE(S) AS REQUIRED TO ACHIEVE THE FUNCTIONALITY INDICATED IN THE FIRE ALARM MATRIX.
7. PROVIDE ADDITIONAL BOOSTER PANELS AS REQUIRED PER CONTRACTOR'S DESIGN. WHERE ADDITIONAL BOOSTER PANELS ARE REQUIRED LOCATED AS INDICATED ON PLAN.
8. PROVIDE ADDITIONAL AMPLIFIERS AS REQUIRED PER CONTRACTOR'S DESIGN. WHERE ADDITIONAL AMPLIFIERS ARE REQUIRED LOCATED AS INDICATED ON PLAN.
9. PROVIDE SUPPLY DUCT SMOKE DETECTORS FOR DIRECT SHUT DOWN FOR THE FOLLOWING UNITS: AHU 01, AHU-02, AHU-03, AHU-04, TF-101, TF-103. SHUTDOWN THROUGH THE EMCS/DDC IS NOT PERMITTED.
10. EXTERIOR WP FIRE ALARM / MASS NOTIFICATION SPEAKERS.
11. 24 VDC TO FACU OR NAC PANEL.
12. PROVIDE RTS MODULE WHERE INDICATING LIGHT ON THE SMOKE DETECTOR IS NOT VISIBLE.
13. PROVIDE EARLY WARNING AIR-SAMPLING SMOKE DETECTOR PANELS AND AIR SAMPLING DETECTOR PIPING AND SAMPLING PORTS. PROVIDE FULL EARLY WARNING SMOKE DETECTION COVERAGE FOR CEILING LEVEL AND BELOW RAISED FLOOR LOCATIONS.
14. PA SYSTEM INPUT. SEE ELECTRICAL DRAWINGS FOR CONTINUATION.
15. PROVIDE DEDICATED EMPTY CONDUIT TO SIXTEEN AND FORTY FOOT FLOORS FOR FUTURE CONNECTION TO FUTURE PHASE 2 FIRE ALARM CONTROL UNITS. PROVIDE PULL STRING IN CONDUIT FOR FUTURE USE.
16. PROVIDE DEDICATED EMPTY CONDUIT TO GROUND FLOOR UNOCCUPIED AREA FOR FUTURE FIRE ALARM CONTROL UNITS. EXTEND CONDUIT TO PAST COLUMN LINE 22 FOR FUTURE CONNECTION. ADDITIONALLY PROVIDE DEDICATED EMPTY CONDUIT TO GROUND FLOOR CONTROL ROOM A101 FOR FUTURE ELEVATOR CONTROLLER INTERFACE. PROVIDE PULL STRING IN CONDUIT FOR FUTURE USE.
17. TO DUCT SMOKE DETECTOR ELECTRONICALLY SUPERVISED COVER.

CORRECTED FINAL
BACKCHECK (100%)
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SYMBOL	REVISIONS	DATE	APPROVED

BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: C. KNOFF
DRAWN BY: A. HANKINS
CHECKED BY: A. MOORE
REVIEWED BY: -
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FIRE ALARM ONE-LINE DIAGRAM

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/13/18
FILE NUMBER: 104444FA601.DWG
SHEET IDENTIFICATION: FA601
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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FIRE ALARM CONTROL UNIT (FACU) FUNCTIONAL MATRIX

	ANNUNCIATION AT LOCAL PANEL			NOTIFICATION													AUXILIARY FUNCTION	
ALARM SIGNALS	AUDIO-VISIBLE FIRE ALARM INDICATION BY DEVICE	AUDIO-VISIBLE TROUBLE INDICATION BY DEVICE	AUDIO-VISIBLE SUPERVISORY INDICATION BY DEVICE	MANUAL PULL STATION ALARM SIGNAL TO FIRE DEPARTMENT B117, ALTERNATE RECEIVING STATION B7017, AND FIRE ALARM MONITORING SHOPS B3307	SMOKE DETECTION ALARM SIGNAL TO FIRE DEPARTMENT B117, ALTERNATE RECEIVING STATION B7017, AND FIRE ALARM MONITORING SHOPS B3307	FIRE SUPPRESSION ACTIVATION ALARM SIGNAL TO FIRE DEPARTMENT B117, ALTERNATE RECEIVING STATION B7017, AND FIRE ALARM MONITORING SHOPS B3307	CARBON MONOXIDE ALARM SIGNAL TO FIRE DEPARTMENT B117, ALTERNATE RECEIVING STATION B7017, AND FIRE ALARM MONITORING SHOPS B3307	TROUBLE SIGNAL TO FIRE DEPARTMENT B117, ALTERNATE RECEIVING STATION B7017, AND FIRE ALARM MONITORING SHOPS B3307/BY DEVICE	SUPERVISORY SIGNAL TO FIRE DEPARTMENT B117, ALTERNATE RECEIVING STATION B7017, AND FIRE ALARM MONITORING SHOPS B3307 BY DEVICE	FIRE ALARM AUDIBLE NOTIFICATION	FIRE ALARM VISIBLE NOTIFICATION	SILENCE GENERAL FIRE ALARM ANNOUNCEMENT	DISABLE PUBLIC ADDRESS SYSTEM	MASS NOTIFICATION ANNOUNCEMENT	DISABLE CARBON MONOXIDE VOICE MESSAGE	LED TEXTUAL DISPLAY OF MASS NOTIFIATON 'ANNOUNCEMENT' SIGN	LED TEXTUAL DISPLAY OF FIRE ALARM 'EVACUATE' SIGN	SHUT-DOWN AIR HANDLING EQUIPMENT	SHUT DOWN ASSOCIATED CRAC UNITS IN SERVER ROOMS AND TECH LAB
MANUAL FIRE ALARM STATIONS	X			X							X	X		X				X		
SMOKE DETECTOR OVER FACU, AMPS AND NAC PANELS	X				X						X	X		X				X		
CARBON MONOXIDE DETECTORS	X						X					X			X		X			
FLOW SWITCHES - WET-PIPE SYSTEM	X					X					X	X		X				X		
AIR-SAMPLING SMOKE DETECTOR - LVL 3 (3.0% / FT OBSCURATION)	X				X						X	X						X		X
TROUBLE SIGNALS																				
AC POWER FAILURE		X						X												
LOW BATTERY		X						X												
OPEN CIRCUIT FAULT		X						X												
GROUND FAULT		X						X												
NOTIFICATION APPLIANCE CIRCUIT SHORT		X						X												
COMPONENT COMMON TROUBLE		X						X												
HEAT TRACE PANEL TROUBLE		X						X												
SUPERVISORY SIGNALS																				
COMPONENT COMMON SUPERVISORY			X						X											
IN-DUCT SMOKE DETECTORS			X						X										X	
MASS NOTIFICATION INPUT (LOCAL / BASE WIDE/TRANSCEIVER)			X						X				X	X	X	X	X			
AIR-SAMPLING SMOKE DETECTOR - LVL 1 (0.05% / FT OBSCURATION)			X						X											
AIR-SAMPLING SMOKE DETECTOR - LVL 2 (1.5% / FT OBSCURATION)			X						X											
IN-DUCT SMOKE DETECTOR COVER SUPERVISORY			X						X											
GENERAL VALVE SUPERVISORY			X						X											
HEAT TRACE PANEL SUPERVISORY			X						X											

MASS NOTIFICATION MESSAGES

PROVIDE MASS NOTIFICATION MESSAGES BASED ON THE MESSAGES INDICATED IN THE LATEST EDITION OF THE TINKER AFB STANDARDS.

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US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FIRE ALARM MATRIX

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 03/13/18
FILE NUMBER: 104444FA602.DWG
SHEET IDENTIFICATION: FA602
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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FIRE SUPPRESSION LEGEND

- PRESSURE RELIEF VALVE
- OUTSIDE SCREW AND YOKE VALVE (OS&Y)
- FLOW SWITCH
- VALVE
- CHECK VALVE
- PRESSURE GAUGE
- SIGHT GLASS
- RISER LOCATION
- AUTOMATIC AIR RELEASE VALVE

FIRE SUPPRESSION SYSTEM

- WET SYSTEM

PIPING SYMBOLS

- DRAIN PIPING
- SYSTEM PIPING

CONSTRUCTION INTERFACE

EXISTING TO REMAIN — NEW WORK

EXISTING TO REMAIN — DEMOLITION

FIRE SUPPRESSION ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
FP	FIRE PROTECTION
FM	FM GLOBAL
HSCP	HORIZONTAL SPLIT CASE PUMP
(M)	MECHANICALLY SUPERVISED
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
(S)	ELECTRICALLY SUPERVISED
UNO	UNLESS NOTED OTHERWISE

DETAIL/SECTION/PLAN TITLE

SECTION, DETAIL, OR PLAN IDENTIFICATION MARK

TITLE

SCALE: 1:1

FIRE SUPPRESSION DESIGN CRITERIA

1. SERVE THE FIRE SUPPRESSION SYSTEM FROM THE EXISTING FIREWATER DISTRIBUTION SYSTEM FED FROM PUMP HOUSE 9303. PERFORM A HYDRANT FLOW TEST, AND INCORPORATE THIS TEST INTO THE HYDRAULIC CALCULATIONS. HYDRANT FLOW TESTING SHALL BE IN ACCORDANCE WITH NFPA 291, AND THE RESULTS OF THE TESTING SHALL BE SUBMITTED AS INDICATED IN NFPA 291 FIGURE 4.11.2. WHEN CONDUCTING WATER FLOW TEST, WATER DISCHARGED MUST BE DE-CHLORINATED BY THE CONTRACTOR AT THE TIME OF THE TEST.

FOR INFORMATION ONLY: FLOW TEST 1

DATE	25/04/2018
STATIC	151 PSI
RESIDUAL	129 PSI
FLOW	2,326 GPM

2. INCLUDE A 10% OR 5 PSI SAFETY FACTOR IN THE HYDRAULIC CALCULATIONS, WHICHEVER IS GREATER.
3. DO NOT EXCEED 32 FPS MAXIMUM VELOCITY IN ANY ABOVE GROUND SPRINKLER PIPING.
4. THE FIRE SUPPRESSION SYSTEM SHALL BE DESIGNED AND INSTALLED BY A LICENSED / CERTIFIED COMPANY WHERE EMPLOYEES ARE LICENSED / CERTIFIED TO INSTALL FIRE PROTECTION EQUIPMENT IN THE STATE WHERE THE WORK IS TO BE COMPLETED.
5. ALL COMPONENTS AND ASSEMBLIES USED IN THIS FIRE PROTECTION SYSTEM MUST BE SPECIFICALLY UL LISTED OR FM APPROVED FOR THEIR INTENDED USE.
6. USE SCHEDULE 40 BLACK STEEL FIRE WATER PIPING ON THIS PROJECT.

FIRE SUPPRESSION GENERAL NOTES

1. PROVIDE ALL NECESSARY COMPONENTS FOR A WET-PIPE SYSTEM. AT A MINIMUM PROVIDE COMPONENTS AS INDICATED ON THESE DRAWINGS. PROVIDE ADDITIONAL COMPONENTS AND MODIFICATIONS AS REQUIRED TO PROVIDE A FULLY FUNCTIONING FIRE SUPPRESSION SYSTEM. THIS PROJECT INCLUDES THE DEMOLITION OF THE EXISTING FIRE SUPPRESSION SYSTEM AS INDICATED.
2. FEED THE FIRE SUPPRESSION SYSTEM VIA THE EXISTING BASE FIRE PROTECTION WATER SYSTEM. EXISTING UNDERGROUND FIRE WATER SERVICE LEAD-INS AND PIPE UP TO ENTRANCE FLANGE IS TO REMAIN.
3. COORDINATE ALL REQUIRED SYSTEMS TO THE SATISFACTION OF THE ENGINEER AND AUTHORITY HAVING JURISDICTION. CORRECT ANY DEFICIENCIES, INCONSISTENCIES, OR POORLY COORDINATED INSTALLATIONS AT NO ADDITIONAL COST.
4. FINAL DESIGN REQUIREMENTS (DEVICE QUANTITY, SIZE, AND LOCATIONS) ARE THE SOLE RESPONSIBILITY OF THE FIRE SUPPRESSION CONTRACTOR. DRAWINGS INDICATE MINIMUM REQUIREMENTS; VERIFY AND COORDINATE FINAL DESIGN REQUIREMENTS WITH THESE CONSTRUCTION DOCUMENTS, SPECIFICATIONS, REFERENCE DOCUMENTS, APPLICABLE CODES, AND FACILITY USER REQUIREMENTS.
5. ALL DRAIN PENETRATIONS THROUGH EXTERIOR WALL SHALL BE NO GREATER THAN 2'-0" ABOVE FINISHED GRADE. PROVIDE SPLASH BLOCK AT GRADE WHERE SURFACE IS NATURAL.
6. INSTALL FIRE PROTECTION PIPE HANGERS PER THE FOLLOWING LIMITATIONS:
   A) THE DEAD LOAD APPLIED TO ANY STRUCTURAL MEMBER SHALL NOT EXCEED 300 LBS. PROVIDE TRAPEZE HANGERS TO DISTRIBUTE THE LOAD BETWEEN STRUCTURAL MEMBERS WHERE A SINGLE HANGER EXCEEDS THE LIMITATIONS. REFER TO STRUCTURAL DRAWINGS FOR BRACING LOAD LIMIT.
7. ALL VALVES INCLUDING CONTROL AND TRIM VALVES SHALL BE WITHIN 6'-0" AFF.
8. INSTALL FIRE SUPPRESSION WATER AND WATER PIPING AS PART OF THIS PROJECT IN ACCORDANCE WITH NFPA 13 FOR PROTECTION OF PIPING DAMAGE IN AREAS SUBJECT TO EARTHQUAKES. SHORT PERIOD RESPONSE FACTOR Ss 0.35 PER STRUCTURAL SHEET S-001.
9. ALL SPRINKLER PIPING PENETRATING THROUGH AN ICD 705 SPACE BOUNDARY SHALL BE INSTALLED IN ACCORDANCE WITH DETAIL 2, SHEET M-502 OF MECHANICAL DRAWINGS.
10. SEE DRAWING AG003 FOR EXTENT OF PHASE 1 AND PHASE 2 WORK AREAS.

EXISTING FIRE PUMP SCHEDULE

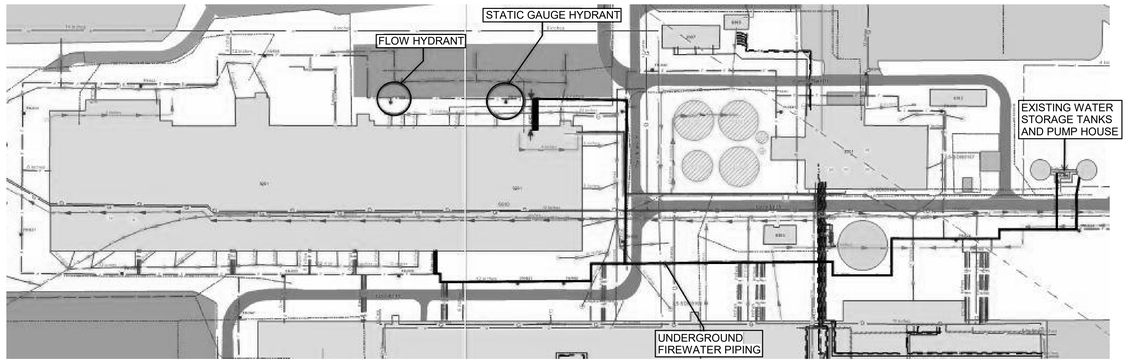
MARK	PUMP TYPE	DRIVE TYPE	SERVICE TYPE	FLOW RATE (GPM)	TOTAL HEAD (PSI)	MAXIMUM PUMP SPEED (RPM)	ELECTRICAL DATA		START PRESSURE PSI	STOP PRESSURE PSI
							HP	V/Ph/Hz		
FP-1	HSCP	DIESEL	FIRE PUMP	2000	125	1800	303	24V	100	125
FP-2	HSCP	DIESEL	FIRE PUMP	2000	125	1800	303	24V	90	100

HSCP = HORIZONTAL, SPLIT-CASE

FIRE PROTECTION SPRINKLER SYSTEM DESIGN CRITERIA

MARK	HAZARD CLASSIFICATION	SYSTEM TYPE	DENSITY GPM/SF	REMOTE AREA SQ FT	MAXIMUM AREA PER HEAD SQ FT	HOSE DEMAND GPM	SPRINKLER CHARACTERISTICS				NOTES
							TEMP RATING	TYPE	K-FACTOR	FINISH	
NO HATCH	PHASE 2 AREA. NO SPRINKLER PROTECTION REQUIRED, UNO.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	LIGHT HAZARD	WET	0.10	1500	225	250	ORDINARY	QUICK RESPONSE RECESSED PENDENT	5.6	WHITE	2, 3, 4, 5, 6
+ + + + + +	ORDINARY HAZARD	WET	0.20	2500	130	250	ORDINARY	QUICK RESPONSE UPRIGHT	8.0	CHROME	1, 3, 4, 6

NOTE 1: PROVIDE 200ºF RATED SPRINKLERS IN MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS.
NOTE 2: WHERE CEILINGS ARE NOT PROVIDED USE CHROME QUICK RESPONSE UPRIGHT SPRINKLERS.
NOTE 3: WHERE 2x2 CEILING TILES ARE PRESENT, SPRINKLERS SHALL BE WHITE SEMI-RECESSED, LOCATED IN A SYMMETRICAL PATTERN AT LEAST 3 INCHES OFF THE GRID TEES.
NOTE 4: HOSE DEMAND SUPPLIED FROM BASE HYDRANT SYSTEM NOT FROM PROJECT FIRE PUMPS.
NOTE 5: PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW CLOUD CEILINGS, WHERE PRESENT, IN ACCORDANCE WITH NFPA 13. SPRINKLERS LOCATED IN CLOUD CEILINGS SHALL BE CONCEALED-TYPE WITH WHITE COVER PLATES, CENTERED IN THE PANELS.
NOTE 6: WHERE GYPSUM BOARD CEILINGS ARE PRESENT, PROVIDE CONCEALED SPRINKLERS WITH WHITE ESCUTCHEONS. SPRINKLERS SHALL BE ALIGNED WITH LIGHTS.



A1 HYDRANT FLOW TEST MAP
SCALE:NTS

N

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SYMBOL	REVISIONS	DATE	APPROVED

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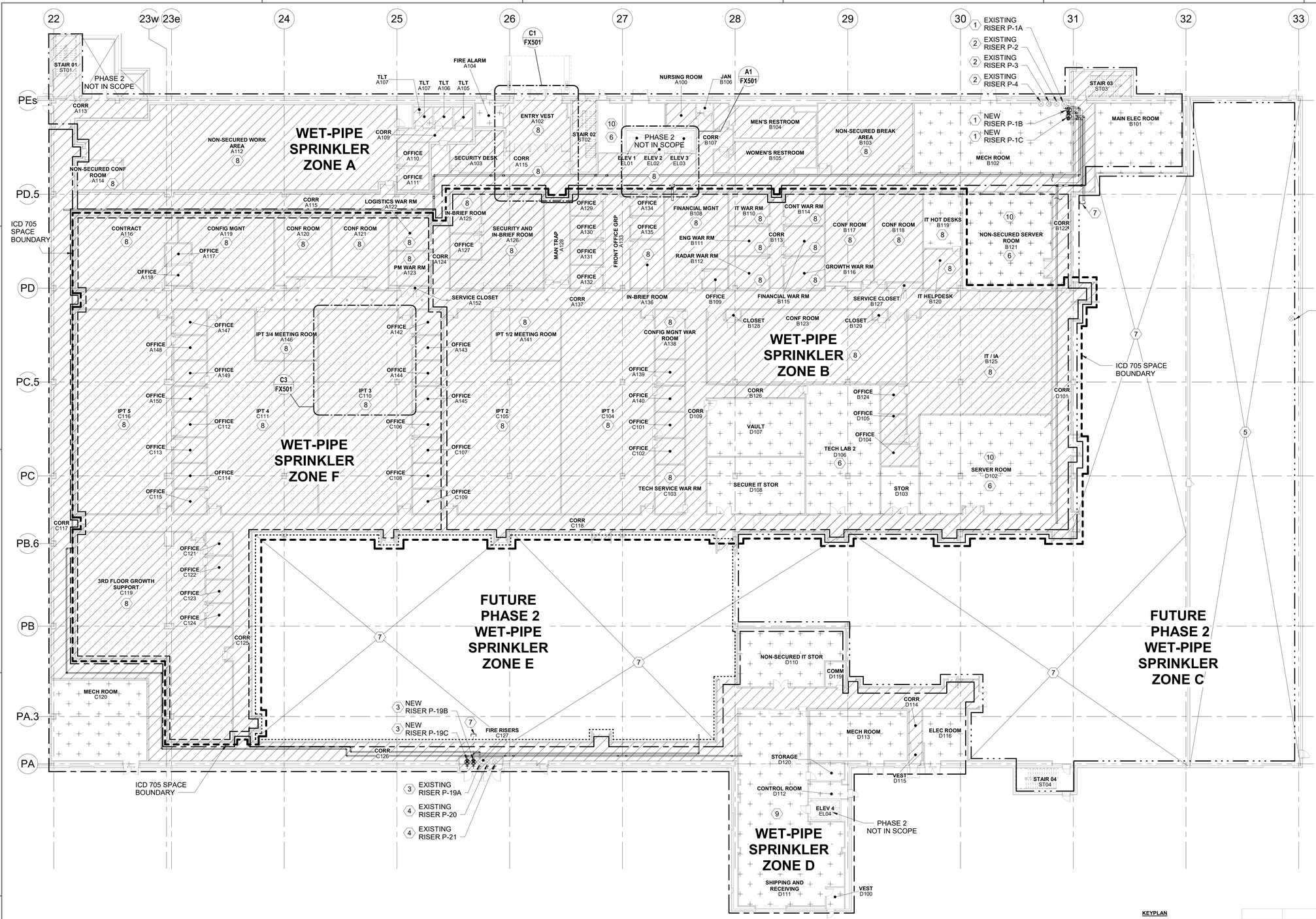
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FIRE SUPPRESSION NOTES, LEGEND AND ABBREVIATIONS

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/13/18
FILE NUMBER: 104444FX001.DWG
SHEET IDENTIFICATION: FX001
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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B1 FIRE SUPPRESSION GROUND FLOOR PLAN
SCALE: 1/16" = 1'-0"

0 4' 8' 16'
SCALE IN FEET

NOTES:

1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. PROVIDE FULLY FUNCTIONING WET PIPE SPRINKLER SYSTEM THROUGHOUT ALL PHASE 1 AREAS ON GROUND FLOOR AS INDICATED. DIVIDE SPRINKLERED AREA INTO 4 SEPARATE ZONES SERVICED BY RISERS P-1, P-2, P-19, AND P-22. SPRINKLER MAINS SHALL BE ROUTED THROUGH PHASE 2 AREAS FOR FUTURE PHASE 2 EXPANSION.
3. SEE DETAIL A4 ON MECHANICAL DRAWING SHEET M-501 FOR SPRINKLER PIPING ICD 705 SPACE PENETRATION DETAIL.
4. SPRINKLER PROTECTION SHALL BE PROVIDED ABOVE AND BELOW CLOUD CEILINGS IN ACCORDANCE WITH NFPA 13. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF CLOUD CEILINGS.
5. COORDINATE SPRINKLER PIPING AND HEADS WITH COMMUNICATION SYSTEM CABLE TRAYS THROUGHOUT THE GROUND LEVEL. PROVIDE ADDITIONAL PIPING AND HEADS AS REQUIRED. DO NOT INSTALL PIPING THROUGH OR WITHIN 12 INCHES ABOVE CABLE TRAYS. SEE COMMUNICATION DRAWINGS T-101, T-102, T-103 & T-104.
6. DO NOT INSTALL SPRINKLER PIPING NEAR OR ACROSS EXTERIOR LOUVERS.
7. SPRINKLER ZONES ARE TO BE LOCATED AS INDICATED ON THIS DRAWING.

KEYED NOTES:

1. REBUILT SPRINKLER RISER P-1A TO SERVICE SUPPRESSION ZONE A. NEW RISER P-1B TO SERVICE SUPPRESSION ZONE B. NEW RISER P-1C TO SERVICE SUPPRESSION ZONE C. PROVIDE 'TREE' TYPE MAIN TO MINIMIZE PENETRATIONS IN AND OUT OF THE ICD 705 SPACE. WHERE A 'TREE' TYPE SPRINKLER SYSTEM IS NOT POSSIBLE HYDRAULICALLY, PROVIDE 'LOOPED' SPRINKLER SYSTEM. PROVIDE ALL NECESSARY COMPONENTS FOR P-1A, P-1B, AND P-1C TO BE FULLY FUNCTIONAL WET-PIPE RISERS.
2. REBUILT SPRINKLER RISERS P-2 AND P-3 SHALL BE EXTENDED TO WITHIN THREE FEET ABOVE THE SIXTEEN FOOT FLOOR SLAB AND CAPPED. REBUILT SPRINKLER RISER P-4 SHALL BE EXTENDED TO WITHIN THREE FEET ABOVE THE FORTY FOOT FLOOR SLAB AND CAPPED.
3. REBUILT SPRINKLER RISER P-19A TO SERVICE SUPPRESSION ZONE F. NEW RISER P-19B TO SERVICE SUPPRESSION ZONE E. NEW RISER P-19C TO SERVICE SUPPRESSION ZONE D. PROVIDE 'TREE' OR 'LOOPED' MAIN TO MINIMIZE PENETRATION IN AND OUT OF ICD 705 SPACE. PROVIDE ALL NECESSARY COMPONENTS FOR P-19A, P-19B, AND P-19C TO BE A FULLY FUNCTIONING WET-PIPE RISERS. SEE DETAIL A3 ON FX601.
4. REBUILT SPRINKLER RISER P-20 SHALL BE EXTENDED TO WITHIN THREE FEET ABOVE SIXTEEN FOOT FLOOR SLAB AND CAPPED. REBUILT SPRINKLER RISER P-21 SHALL BE EXTENDED TO WITHIN THREE FEET ABOVE FORTY FOOT FLOOR SLAB AND CAPPED.
5. EXISTING RISER P-22 AND SPRINKLER SYSTEM TO BE REMOVED. SEE DEMO DRAWINGS. NO NEW PIPING OR SPRINKLERS TO BE PROVIDED IN THIS AREA.
6. PROVIDE PROTECTIVE HEAD GUARDS ON UPRIGHT SPRINKLERS IN ROOM.
7. PHASE 2 AREAS. SPRINKLER MAINS SERVING WET-PIPE SPRINKLER ZONES C AND E SHALL BE ROUTED INTO PHASE 2 AREA AND IMMEDIATELY CAPPED OFF FOR FUTURE PHASE 2 WORK.
8. LOCATIONS OF ROOMS WITH CLOUD CEILINGS. PROVIDE FULL SPRINKLER COVERAGE AT DECK LEVEL IN THESE ROOMS. ADDITIONALLY, PROVIDE FULL SPRINKLER COVERAGE AT CLOUD CEILING LEVEL PER NFPA 13 SECTION 8.15.2.4. CONFIRM SPRINKLER LOCATIONS WITH ARCHITECT PRIOR TO SHOP DRAWING SUBMITTAL.
9. PROVIDE SPRINKLER COVERAGE FROM ZONE 'D' IN SHIPPING AND RECEIVING D111 IN ACCORDANCE WITH NFPA 13. EXISTING MAIN FROM FORTY FOOT FLOOR SKYBRIDGE SHALL BE CAPPED BEFORE PENETRATING WALL STRUCTURE. SEE DEMOLITION DRAWING SHEET FD113.
10. COORDINATE SPRINKLER PIPING AND HEADS WITH COMMUNICATION EQUIPMENT, AND CABLE TRAY LAYOUTS. SEE COMMUNICATION DRAWING T-401, T-402 & T-403.

FIRE SUPPRESSION SYSTEM ZONING

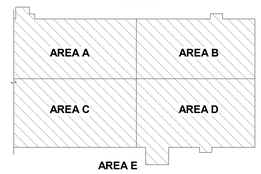
MARK	HAZARD CLASSIFICATION
—— · ——	WET-PIPE SYSTEM BOUNDARY LINE - ZONE A
— — — —	WET-PIPE SYSTEM BOUNDARY LINE - ZONE B
—— · · ——	WET-PIPE SYSTEM BOUNDARY LINE - ZONE C

MARK	HAZARD CLASSIFICATION
— — —	WET-PIPE SYSTEM BOUNDARY LINE - ZONE D
··········	WET-PIPE SYSTEM BOUNDARY LINE - ZONE E
— — — —	WET-PIPE SYSTEM BOUNDARY LINE - ZONE F

HAZARD SCHEDULE

MARK	HAZARD CLASSIFICATION
NO HATCH	PHASE 2 AREA. NO SPRINKLER PROTECTION REQUIRED, UNO.
//////	LIGHT HAZARD
+ + +	ORDINARY HAZARD

KEYPLAN



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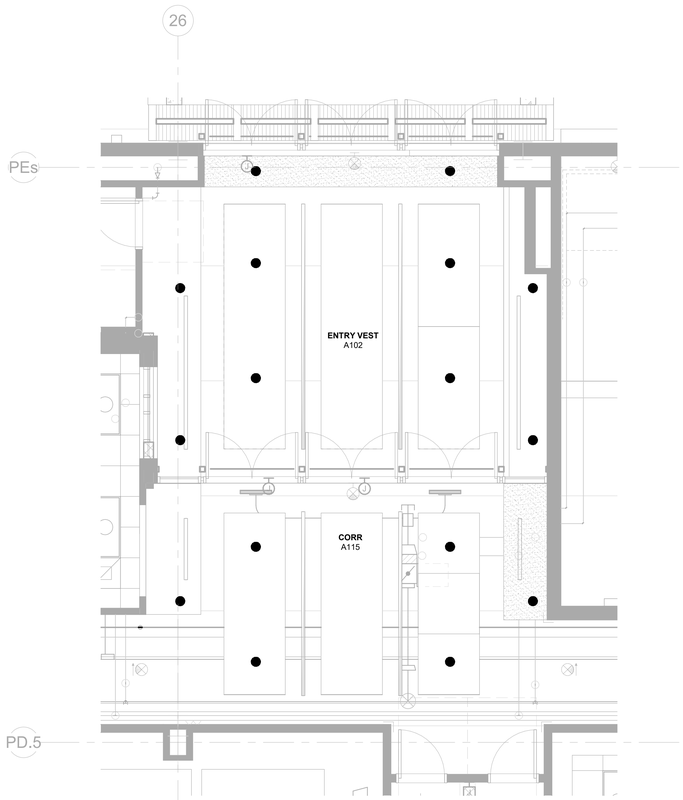
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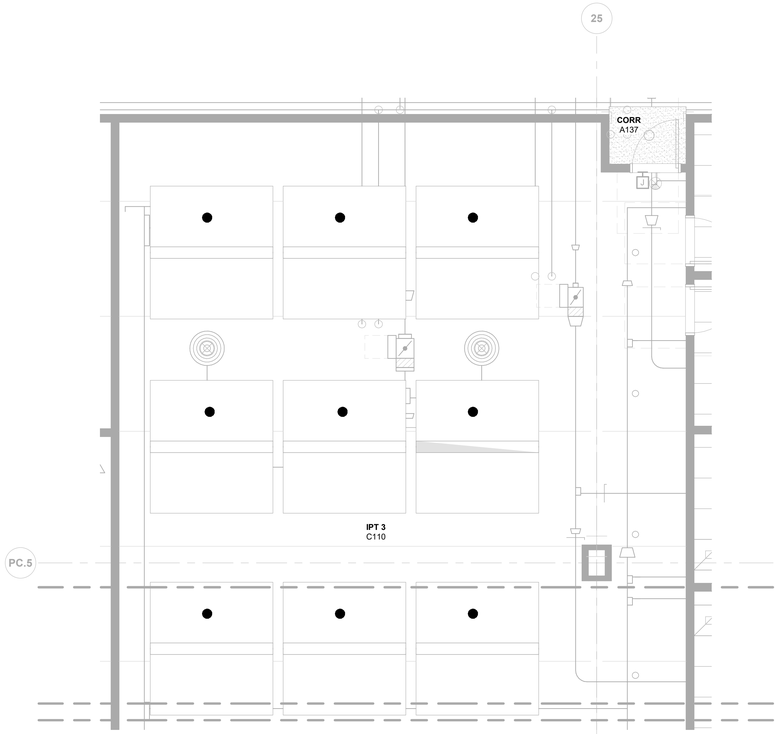
FIRE SUPPRESSION GROUND FLOOR PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/13/18
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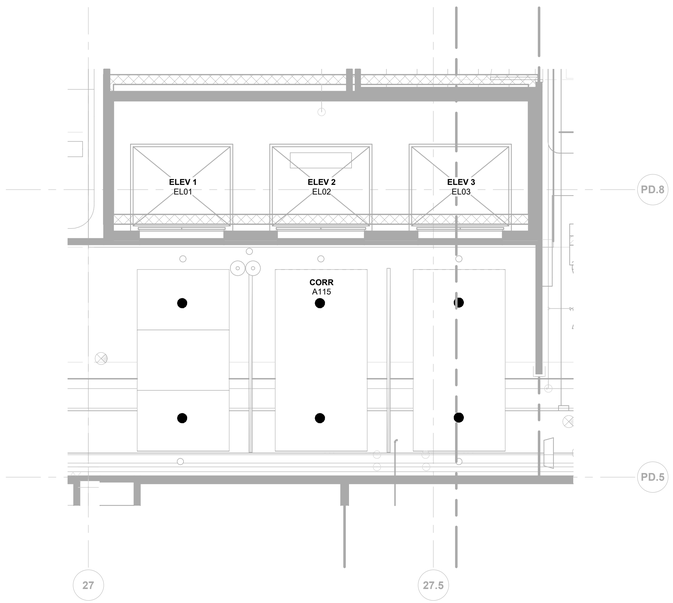
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1 ENTRY VESTIBULE ENLARGED SUPPRESSION PLAN
C1 SCALE: 1/4" = 1'-0"



2 IPT 3 ENLARGED SUPPRESSION PLAN
C3 SCALE: 1/4" = 1'-0"



2 ELEVATOR LOBBY ENLARGED SUPPRESSION PLAN
A1 SCALE: 1/4" = 1'-0"

NOTES:

1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.

KEYED NOTES:

1. DETAIL SHOWS LOCATIONS FOR CONCEALED PENDENT SPRINKLERS AT CLOUD CEILING LEVEL AND SOFFITS ONLY. SPRINKLERS SHALL BE CENTERED WITHIN THE CLOUD THEY ARE LOCATED IN. SPRINKLER PROTECTION SHALL ADDITIONALLY BE PROVIDED ABOVE CLOUDS AT THE DECK LEVEL IN ACCORDANCE WITH NFPA 13 DESIGN REQUIREMENTS.
2. DETAIL SHOWS LOCATIONS FOR CONCEALED PENDENT SPRINKLERS AT CLOUD CEILING LEVEL ONLY. SPRINKLERS SHALL BE CENTERED WITHIN THE CLOUD THEY ARE LOCATED IN. SPRINKLER PROTECTION SHALL ADDITIONALLY BE PROVIDED ABOVE CLOUDS AT THE DECK LEVEL IN ACCORDANCE WITH NFPA 13 DESIGN REQUIREMENTS.

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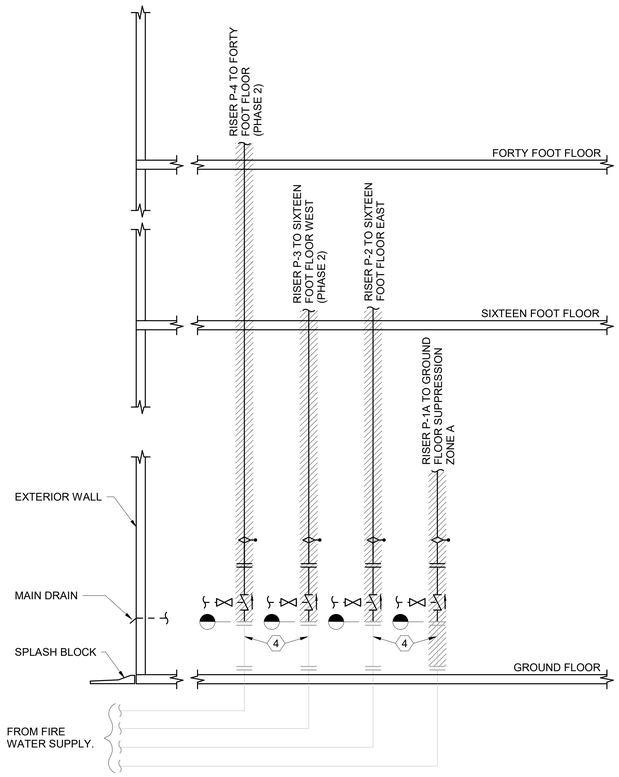
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FIRE SUPPRESSION DETAILS

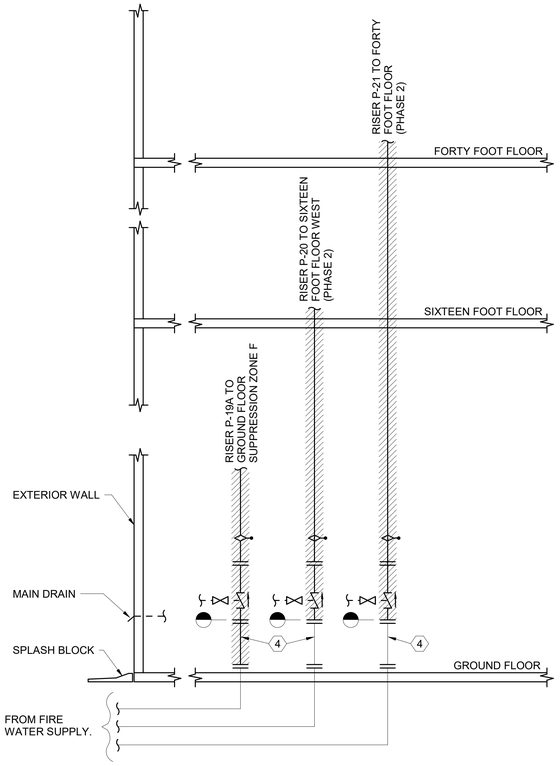
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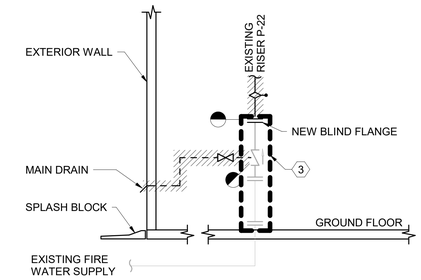
EXISTING WET RISER DIAGRAM - MECHANICAL ROOM B102 (RISERS P-1, P-2, P-3, P-4)

C1 SCALE:NTS



EXISTING WET RISER DIAGRAM - RISER ROOM C127 (RISERS P-19, P-20, P-21)

C3 SCALE:NTS



EXISTING WET RISER DIAGRAM (RISER P-22)

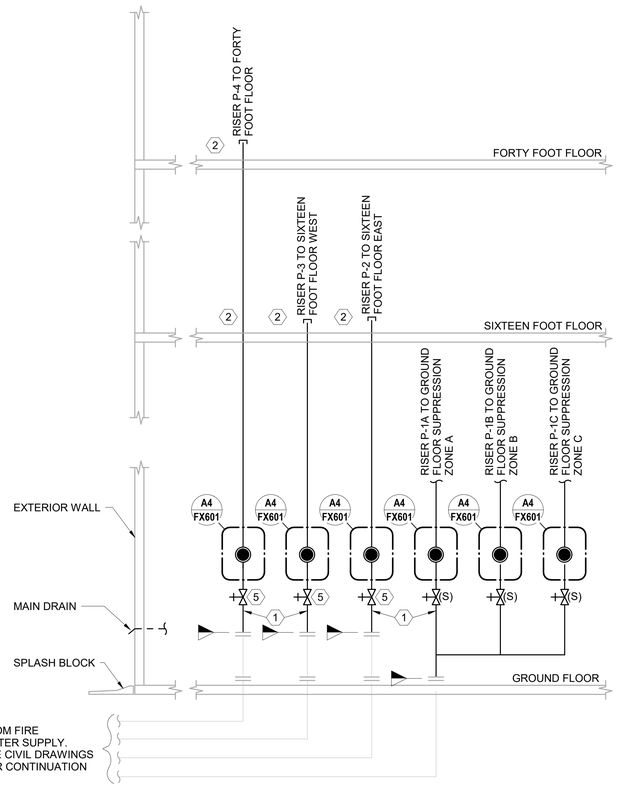
C4 SCALE:NTS

NOTES:

1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.

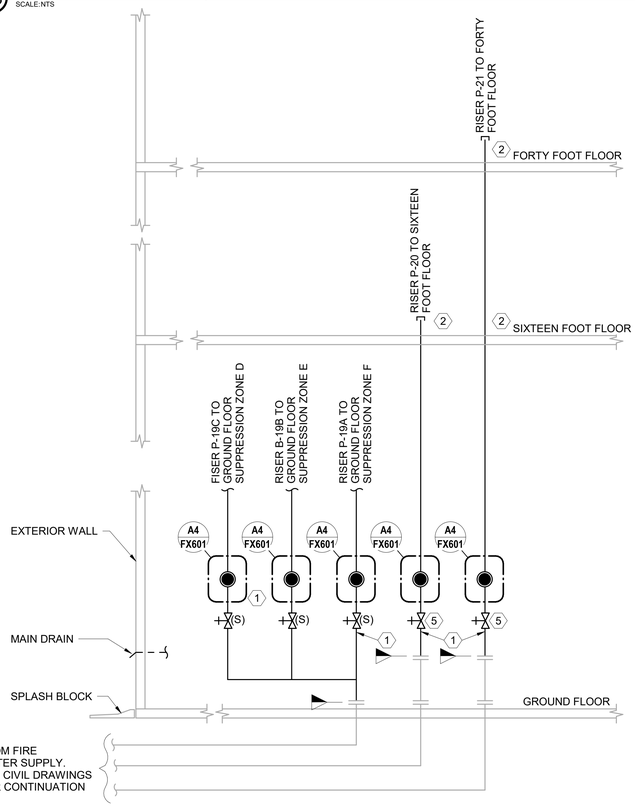
KEYED NOTES:

1. INSTALL ALL DRAIN PIPING IN FRONT OF NEW RISER SYSTEM AT THIS LOCATION. COORDINATE INSTALLATION OF RISERS WITH CONSTRUCTION OF THE WALL IMMEDIATELY BEHIND THEM. PORTIONS OF THE EXTERIOR WALL SYSTEM MUST BE INSTALLED PRIOR TO RISER AND DRAIN PIPE INSTALLATION.
2. PROVIDE 2 HOUR RATED FIRESTOP SEALANT FOR ALL SPRINKLER RISER PENETRATIONS THROUGH THE FLOOR. PENETRATIONS THROUGH THE EXISTING FLOOR SLAB SHALL BE MINIMUM 3'-0" AWAY FROM THE CENTERLINE OF ANY BEAM RUNNING NORTH AND SOUTH.
3. EXISTING PIPE TO BE PROVIDED WITH HEAT TRACING.
4. REMOVE EXISTING RISER DRAIN PIPING.
5. PROVIDE LOCK AND CHAIN TO MECHANICALLY SUPERVISE CONTROL VALVE.



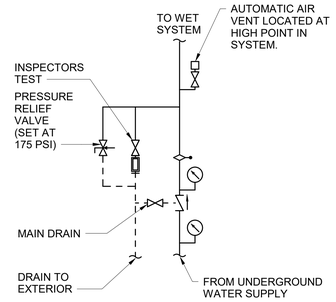
WET RISER DIAGRAM - MECHANICAL ROOM B102 (RISERS P-1, P-2, P-3, P-4)

A1 SCALE:NTS



WET RISER DIAGRAM RISER ROOM C127 (RISERS P-19, P-20, P-21)

A3 SCALE:NTS



WET RISER DETAIL

A4 SCALE:NTS

CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

BURNS MCDONNELL
BURNS & MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: C. KNOFF
DRAWN BY: A. HANKINS
CHECKED BY: A. MOORE
REVIEWED BY: -
SUBMITTED BY: J. KLING

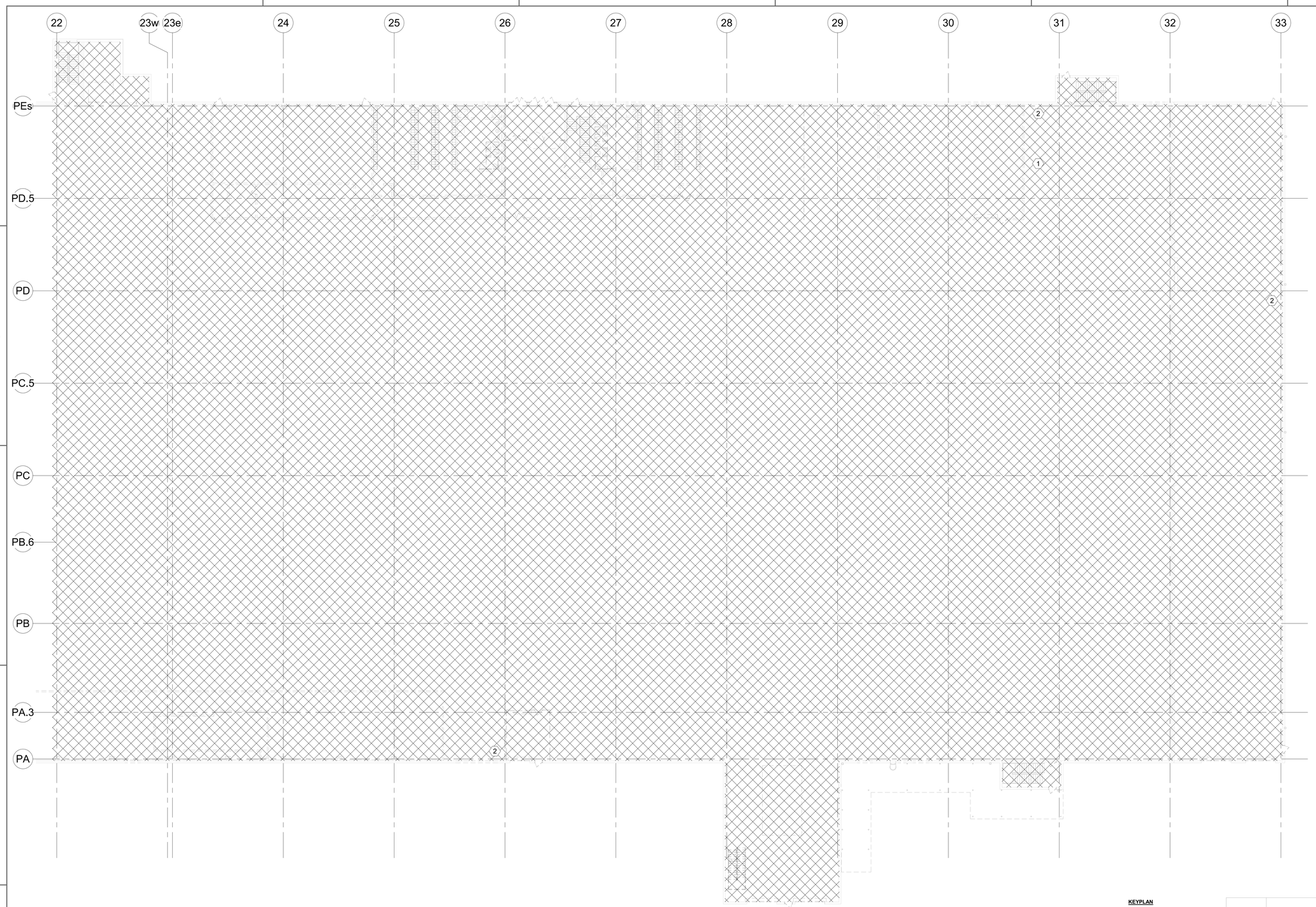
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FIRE SUPPRESSION RISER DIAGRAM

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/13/18
FILE NUMBER: 104444FX601.DWG
SHEET IDENTIFICATION: FX601
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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NOTES:

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. EXTENT OF DEMO TO STOP AT WALL IMMEDIATELY WEST OF COLUMN LINE 22.

KEYED NOTES:

1. REMOVE ALL EXISTING FIRE ALARM PANELS/CABINETS.
2. REMOVE EXISTING RISER WATER FLOW SWITCHES.

FIRE ALARM HATCH LEGEND

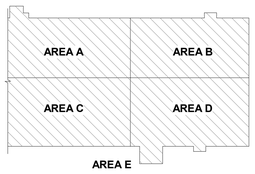
	REMOVE ALL EXISTING FIRE ALARM AND MASS NOTIFICATION SYSTEM DEVICES, INCLUDING BUT NOT LIMITED TO ENCLOSURES, INITIATION DEVICES, NOTIFICATION APPLIANCES, CONTROL DEVICES, EXTERIOR DEVICES, CONTROL PANELS, WIRING, CONDUIT AND HANGERS.

A1 FIRE ALARM AND MNS GROUND FLOOR DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

0 8' 16' 32'
SCALE IN FEET

N

KEYPLAN



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BACKCHECK (100%)
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KANSAS CITY, MO 64114

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CORPS OF ENGINEERS
TULSA, OKLAHOMA

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

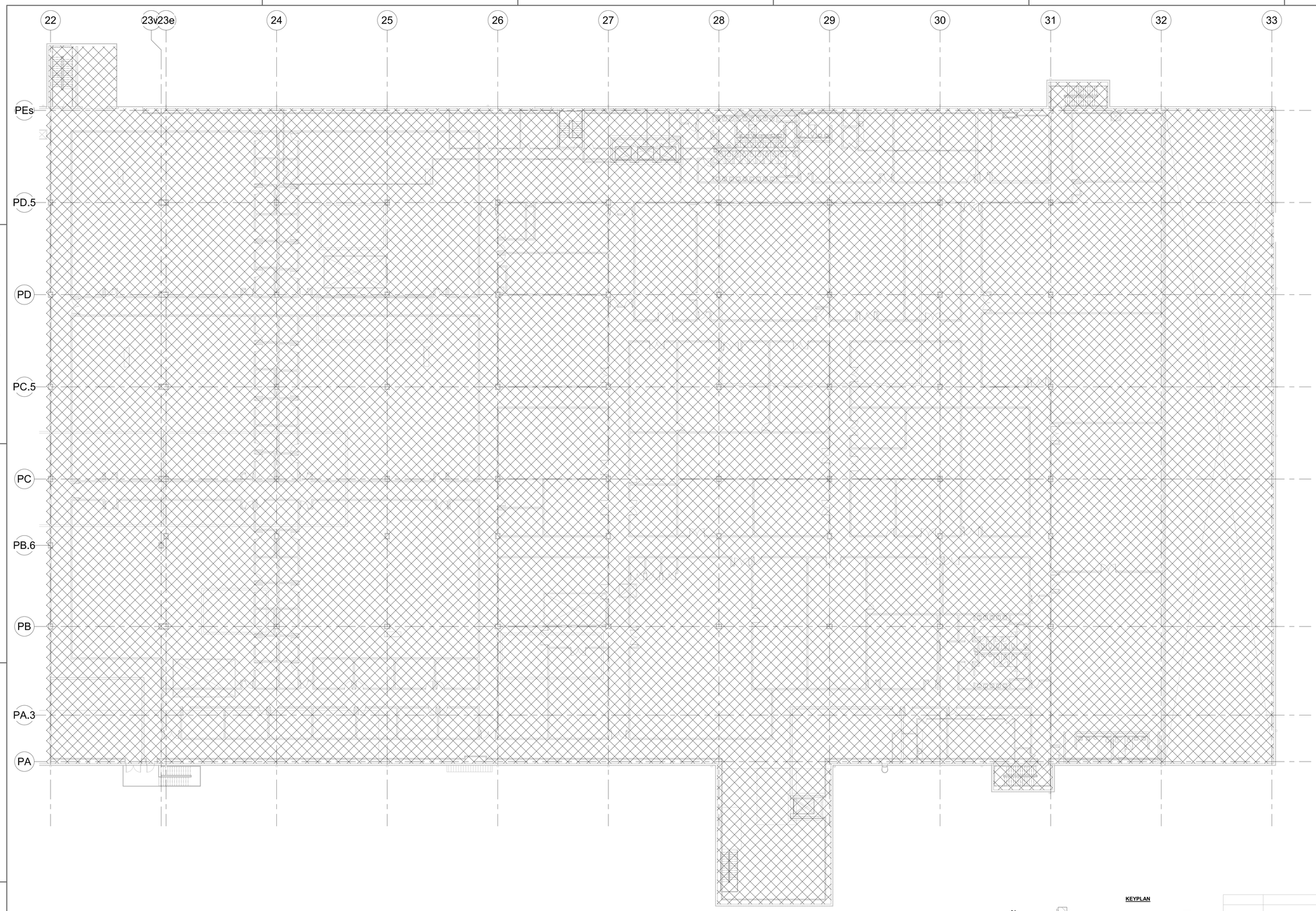
US Army Corps of Engineers

DESIGNED BY: C. KNOFF
DRAWN BY: A. HANKINS
CHECKED BY: A. MOORE
REVIEWED BY: -
SUBMITTED BY: J. KLING

FIRE ALARM AND MNS GROUND FLOOR DEMOLITION PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 03/13/18
FILE NUMBER: 104444FD101.DWG
SHEET IDENTIFICATION: FD101
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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NOTES:

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. EXTENT OF DEMO TO STOP AT WALL IMMEDIATELY WEST OF COLUMN LINE 22.

FIRE ALARM HATCH LEGEND

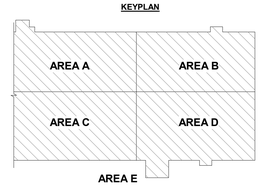
REMOVE ALL EXISTING FIRE ALARM AND MASS NOTIFICATION SYSTEM DEVICES, INCLUDING BUT NOT LIMITED TO ENCLOSURES, INITIATION DEVICES, NOTIFICATION APPLIANCES, CONTROL DEVICES, EXTERIOR DEVICES, CONTROL PANELS, WIRING, AND CONDUIT.

A1 FIRE ALARM AND MNS SIXTEEN FOOT FLOOR DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

0 8" 16" 32'
SCALE IN FEET

N

KEYPLAN



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BACKCHECK (100%)
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NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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CORPS OF ENGINEERS
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B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

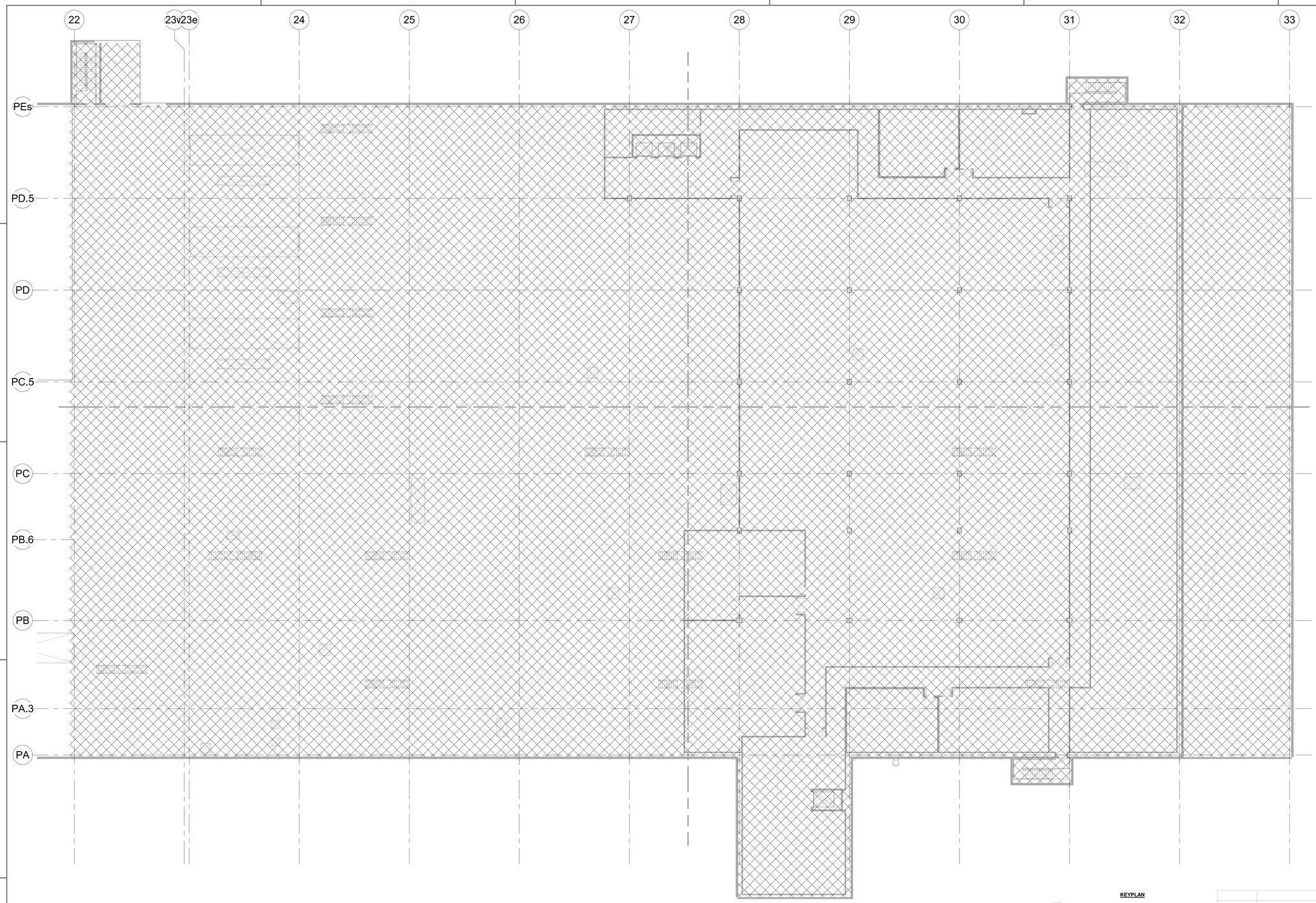
DESIGNED BY: C. KNOFF
DRAWN BY: Author
CHECKED BY: A. MOORE
REVIEWED BY: -
SUBMITTED BY: J. KLING

US Army Corps of Engineers

FIRE ALARM AND MNS SIXTEEN FOOT FLOOR DEMOLITION PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 06/08/18
FILE NUMBER: 104444FD102.DWG
SHEET IDENTIFICATION: FD102
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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NOTES:

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. EXTENT OF DEMO TO STOP AT WALL IMMEDIATELY WEST OF COLUMN LINE 22.

FIRE ALARM HATCH LEGEND

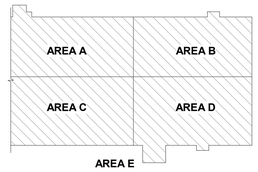
	REMOVE ALL EXISTING FIRE ALARM AND MASS NOTIFICATION SYSTEM DEVICES, INCLUDING BUT NOT LIMITED TO ENCLOSURES, INITIATION DEVICES, NOTIFICATION APPLIANCES, CONTROL DEVICES, EXTERIOR DEVICES, CONTROL PANELS, WIRING, AND CONDUIT.

A1 FIRE ALARM AND MNS FORTY FOOT FLOOR DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

0 8' 16' 32'
SCALE IN FEET

N

KEYPLAN



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9400 WARD PARKWAY
KANSAS CITY, MO 64114

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: C. KNOFF
DRAWN BY: Author
CHECKED BY: A. MOORE
REVIEWED BY: -
SUBMITTED BY: J. KLING

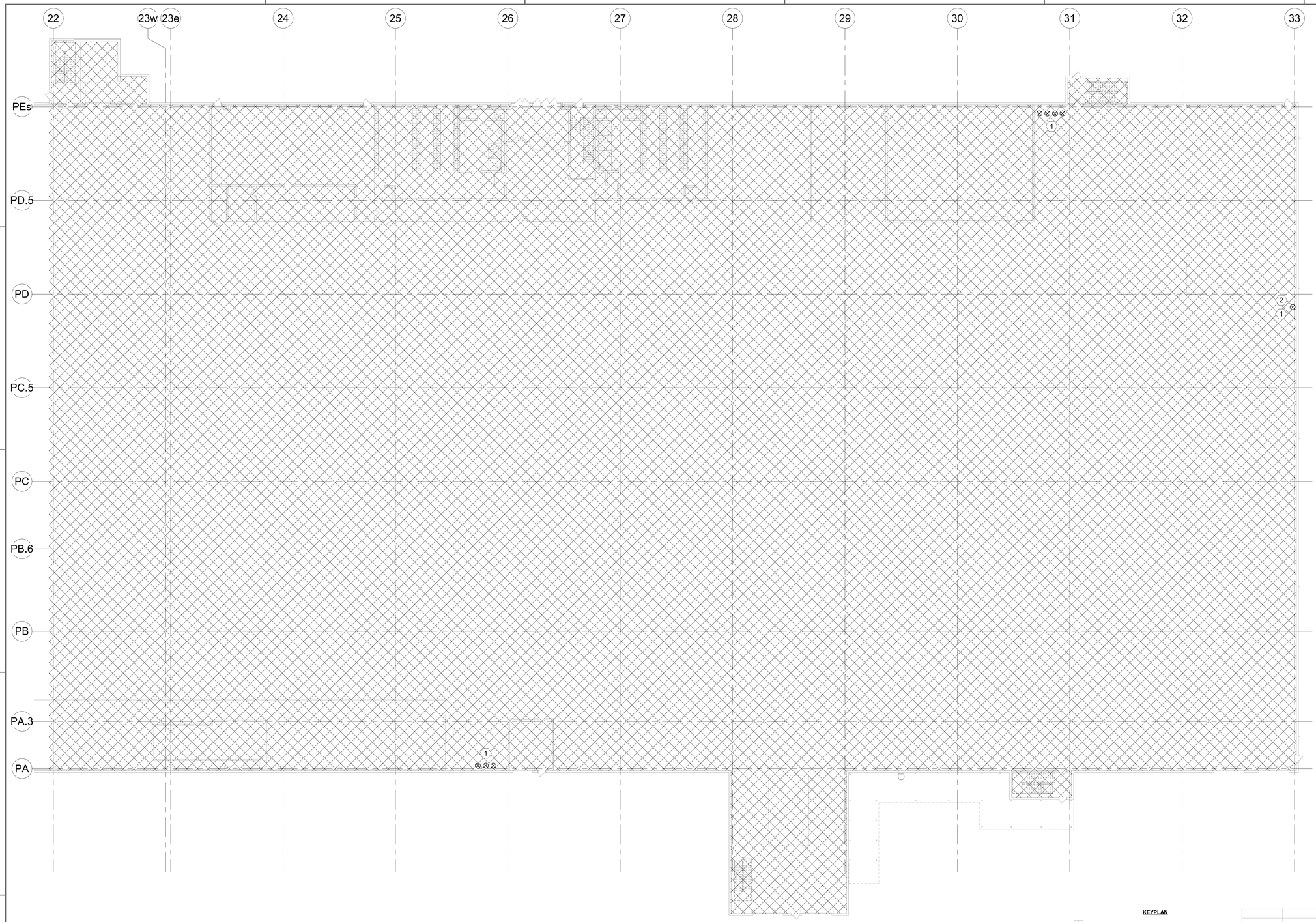
US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FIRE ALARM AND MNS FORTY FOOT FLOOR DEMOLITION PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 06/08/18
FILE NUMBER: 104444FD103.DWG
SHEET IDENTIFICATION: FD103
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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NOTES:

1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. EXTENT OF DEMO TO STOP AT WALL IMMEDIATELY WEST OF COLUMN LINE 22.

KEYED NOTES:

1. DEMOLISH EXISTING RISERS DOWN TO FLANGE AT BUILDING LEAD-IN REFER TO DETAIL C1/FX601 AND C3/FX601. REMOVE EXISTING RISER DRAIN LINES AND SUPPORTS.
2. CAP OFF DEMOLISHED PIPING AT FLANGE. REMAINING STUB-IN TO BE PROVIDED WITH HEAT TAPE TO PREVENT FREEZING. REFER TO FOR DETAIL C4/FX601.

HAZARD SCHEDULE

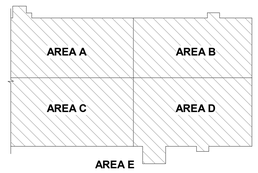
MARK	HAZARD CLASSIFICATION
	REMOVE ALL EXISTING FIRE SUPPRESSION EQUIPMENT INCLUDING, BUT NOT LIMITED TO; MAINS, CROSSMAINS, BRANCHLINES, HOSE STATIONS, HANGERS AND SUPPORTS, AND SPRINKLERS.

A1 FIRE SUPPRESSION GROUND FLOOR DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

0 8' 16' 32'
SCALE IN FEET

N

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
SUBMITTAL
NOT FOR CONSTRUCTION

SYMBOL	REVISIONS	DATE	APPROVED

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9400 WARD PARKWAY
KANSAS CITY, MO 64114

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CORPS OF ENGINEERS
TULSA, OKLAHOMA

DESIGNED BY: C. KNOFF
DRAWN BY: A. HANKINS
CHECKED BY: A. MOORE
REVIEWED BY: -
SUBMITTED BY: J. KLING

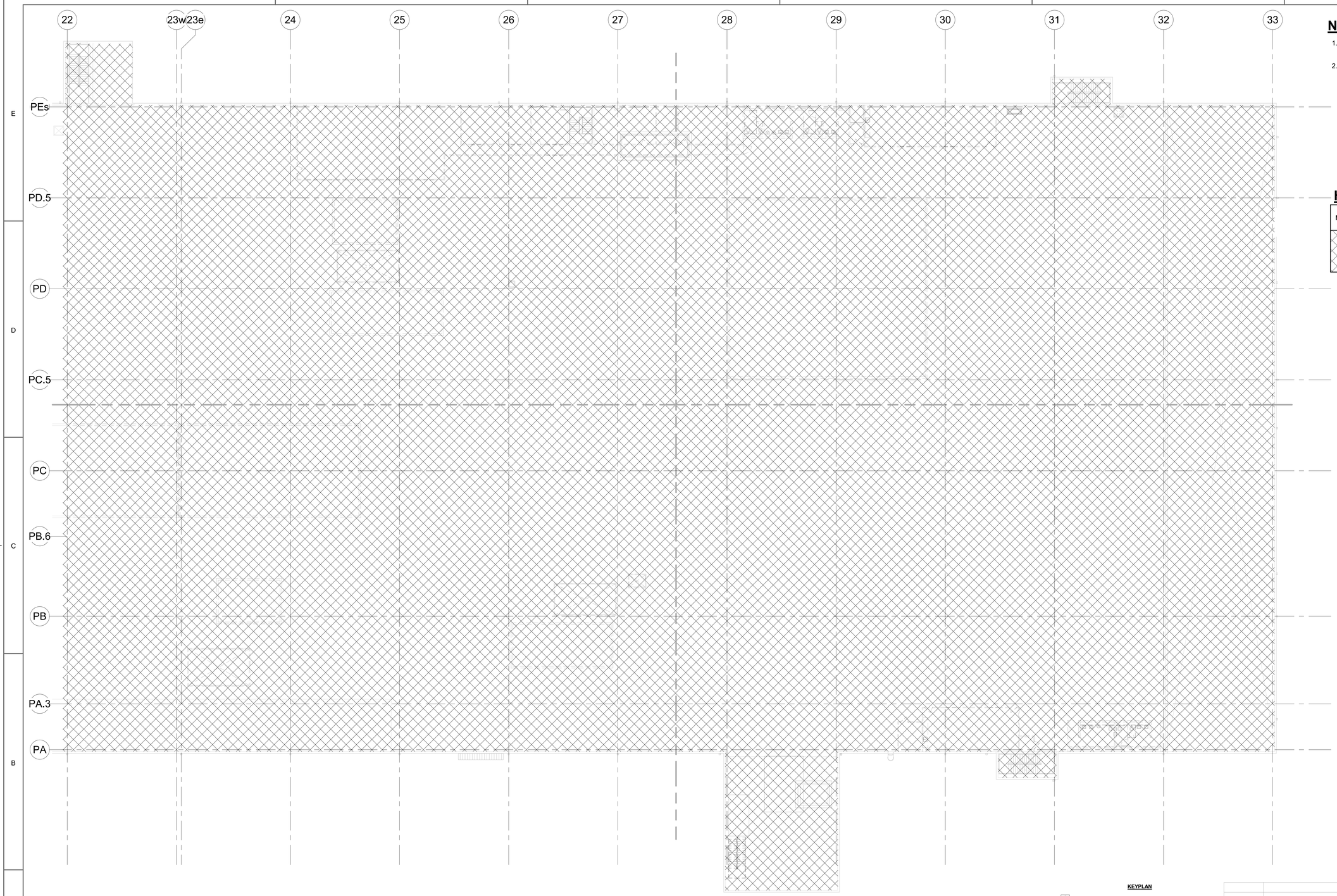
US Army Corps of Engineers

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TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FIRE SUPPRESSION GROUND FLOOR DEMOLITION PLAN

PLOT SCALE: AS NOTED SIZE: 42x30
DATE: 03/13/18
FILE NUMBER: 104444FD111.DWG
SHEET IDENTIFICATION: FD111
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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NOTES:

1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. EXTENT OF DEMO TO STOP AT WALL IMMEDIATELY WEST OF COLUMN LINE 22.

HAZARD SCHEDULE

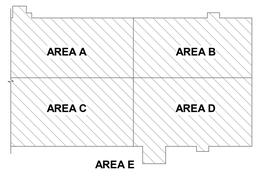
MARK	HAZARD CLASSIFICATION
	REMOVE ALL EXISTING FIRE SUPPRESSION EQUIPMENT INCLUDING, BUT NOT LIMITED TO; MAINS, CROSSMAINS, BRANCHLINES, HOSE STATIONS, HANGERS AND SUPPORTS, AND SPRINKLERS.

A1 FIRE SUPPRESSION SIXTEEN FOOT FLOOR DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

0 8' 16' 32'
SCALE IN FEET

N

KEYPLAN



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BACKCHECK (100%)
SUBMITTAL
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9400 WARD PARKWAY
KANSAS CITY, MO 64114

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TULSA, OKLAHOMA

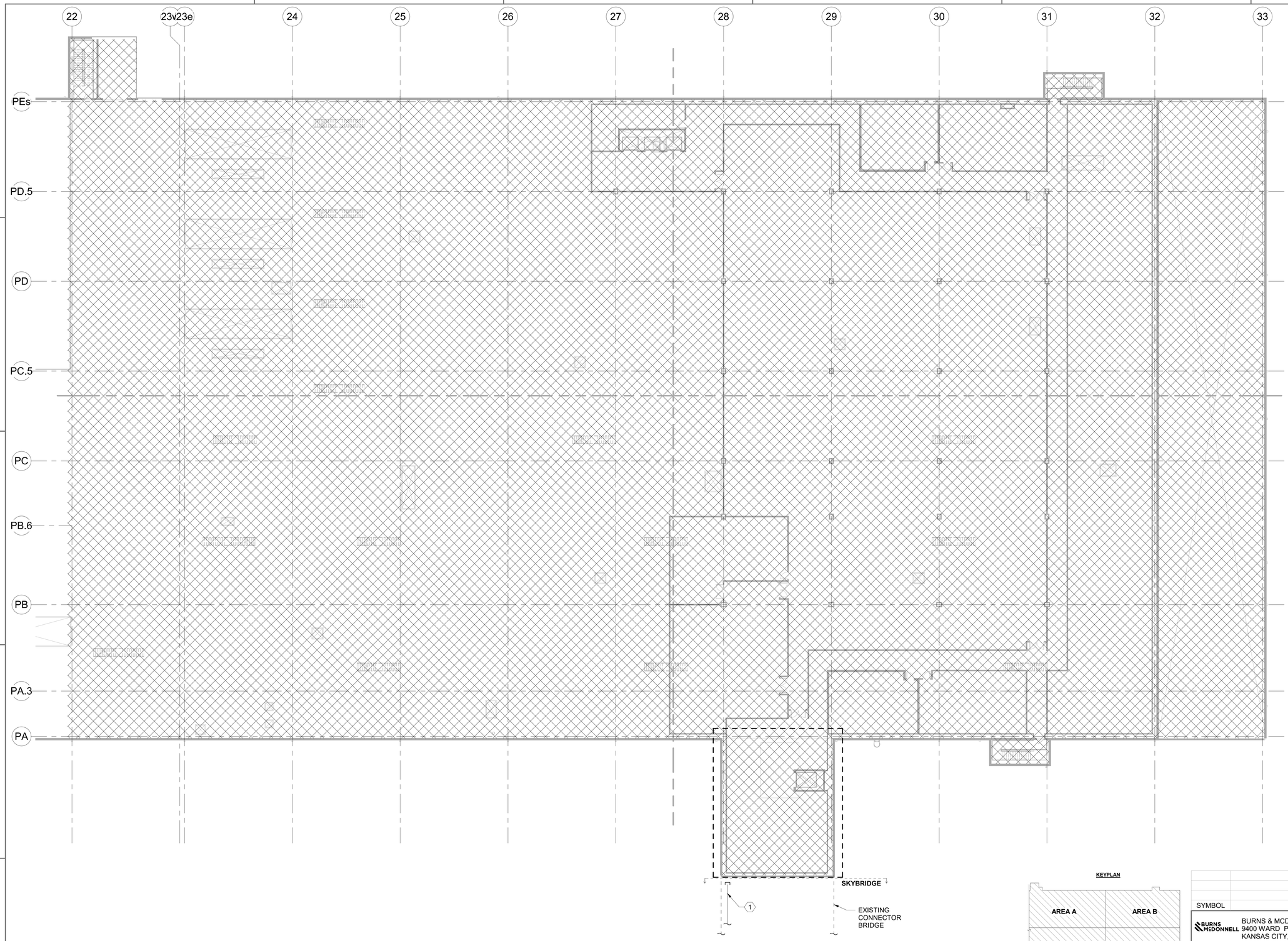
B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

US Army Corps of Engineers

FIRE SUPPRESSION SIXTEEN FOOT FLOOR DEMOLITION PLAN

DESIGNED BY: C. KNOFF			
DRAWN BY: Author			
CHECKED BY: A. MOORE			
REVIEWED BY: -	PLOT SCALE: AS NOTED	SIZE: 42x30	SHEET IDENTIFICATION: FD112
SUBMITTED BY: J. KLING	DATE: 06/08/18		SOLICITATION NO.:
	FILE NUMBER: 104444FD112.DWG		CONTRACT NO.: W9126V-15-D-0005
			PROJECT NO.: WWYK190115
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NOTES:

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2. EXTENT OF DEMO TO STOP AT WALL IMMEDIATELY WEST OF COLUMN LINE 22.

KEYED NOTES:

(1) 6" FIRE SUPPRESSION LINE SERVING AREA TO BE CAPPED AT SKYBRIDGE. COORDINATE WITH BASE TO SHUT DOWN CONNECTOR SPRINKLER SYSTEM PRIOR TO DEMOLITION OF SPRINKLER PIPE. EXISTING PIPING IN SKYBRDIGE SHALL REMAIN.

HAZARD SCHEDULE

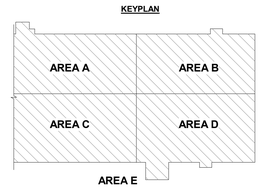
MARK	HAZARD CLASSIFICATION
	REMOVE ALL EXISTING FIRE SUPPRESSION EQUIPMENT INCLUDING, BUT NOT LIMITED TO; MAINS, CROSSMAINS, BRANCHLINES, HOSE STATIONS, HANGERS AND SUPPORTS, AND SPRINKLERS.

A1 FIRE SUPPRESSION FORTY FOOT FLOOR DEMOLITION PLAN
SCALE: 1/16" = 1'-0"

0 8' 16' 32'
SCALE IN FEET

N

KEYPLAN



CORRECTED FINAL
BACKCHECK (100%)
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SYMBOL	REVISIONS	DATE	APPROVED

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9400 WARD PARKWAY
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TULSA, OKLAHOMA

DESIGNED BY: C. KNOFF
DRAWN BY: Author
CHECKED BY: A. MOORE
REVIEWED BY: -
SUBMITTED BY: J. KLING

US Army Corps of Engineers

B9201 PROGRAM OFFICE
TINKER AIR FORCE BASE
OKLAHOMA CITY, OKLAHOMA

FIRE SUPPRESSION FORTY FOOT
FLOOR DEMOLITION PLAN

PLOT SCALE: AS NOTED
SIZE: 42x30
DATE: 06/08/18
FILE NUMBER: 104444FD113.DWG
SHEET IDENTIFICATION: FD113
SOLICITATION NO.:
CONTRACT NO.: W912BV-15-D-0005
PROJECT NO.: WWYK190115
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