



Owner

Vision Bank

Architect

The McKinney Partnership Architects, P.C.

Contractor

TBD

MEP Engineer

Salas O'brien

Bid Set

June 15, 2023

Vision Bank

Norman, Oklahoma



PARTITION NOTES

NOTE: UNLESS OTHERWISE NOTED, ALL WALL FRAMING SHALL BE 20 GAUGE STUDS MINIMUM AND ALL GNB SHALL BE 5/8" TYPE X IN ALL LOCATIONS.

- ALL STUDS SHALL BE 'CEE' STUDS WITH FLANGE STIFFENERS.
- THE MATERIALS AND DETAILS SHOWN ARE FOR TYPICAL INSTALLATIONS WHERE THE STUD MANUFACTURER'S RECOMMENDATIONS OR LOCAL ORDINANCES ARE MORE RESTRICTIVE, THEY SHALL APPLY.
- TYPICAL FASTENER:
 - STEEL STUDS TO STEEL STUDS OR TRACKS: # 8-10 X 1/2" TEK'S /2" WITH PHIL PAN HEAD FOR 25 GA. OR 20 GA. #10 - 16 X 9/16" TEK'S/3" WITH PHIL PAN HEAD FOR INTERCONNECTION OF 18 GA. OR 16 GA.
 - STEEL STUDS OR TRACKS TO WOOD FURLINS, GIRDER'S & BEAMS: #14-10 X 1 1/2" H.V.H. TYPE 'S' METAL -TO- WOOD TEK'S.
 - STEEL STUDS OR TRACKS TO STRUCTURAL STEEL (TUBE STEEL, WIDE FLANGE COLUMNS, BEAMS, GIRDER'S, ETC.): TEK'S/3 OR TEK'S/4 - WITH PHIL PAN HEAD AS REQUIRED FOR THE COMBINED THICKNESS OF THE FRAMING TO BE DRILLED.
 - PLYWOOD TO STEEL STUDS: #10 - 24 X 3/4" TEK'S/3 (PLYMETAL TEK'S) WITH THIN WAFER HEAD.
 - GYP. BOARD TO STEEL STUDS: #1 X 1 1/4" HI-LO TYPE 'S' BUGLE HEAD SCREWS FOR 3/8" TO 5/8" GYP. BOARD TO 25 GAUGE OR 20 GAUGE STUDS. #6 X 1 1/4" TYPE 5-12 BUGLE HEAD SCREWS FOR 3/8" TO 5/8" TO 18 GA. OR 16 GA. STUDS OR TRACKS.
- 'ALIGN' MEANS SIMILAR COMPONENTS OF CONSTRUCTION, E.G., WALLS, JAMBS, ETC. SHALL ALIGN ACROSS VOIDS AND JOINTS.
- PARTITIONS SHALL BE CONTINUOUS OVER DOORS SAME AS ADJACENT WALLS (UNLESS NOTED OTHERWISE) WHERE DRYWALL CONTIGUES ABOVE CEILING LEVEL AND ABOVE THE CEILING LEVEL UP TO THE STRUCTURE ABOVE. ALL GYPSUM BOARD RETURNS SHALL HAVE METAL CORNER BEADS MINIMUM FLOOR TO CEILING. ALL PENETRATIONS IN DRYWALL CONSTRUCTION ABOVE FINISHED CEILING AND AS NOTED ELSEWHERE SHALL BE EFFECTIVELY SEALED TO PREVENT SOUND LEAKAGE AND FIRE STOP CAULKED AT U.L. RATED PARTITIONS. ALL DRY-WALL JOINTS ABOVE FINISHED CEILING SHALL BE "FIRE TAPED" ALL MECHANICAL CHASES AND OTHER NOTED CHASES ARE TO EXTEND UP TO THE UNDERSIDE OF THE DECK STRUCTURE ABOVE. ALL PLUMBING CHASES UNLESS OTHERWISE NOTED SHALL EXTEND ABOVE THE HIGHEST ADJOINING CEILING AND BE BRACED TO STRUCTURE. ALL VERTICAL DIMENSIONS SHOWN ARE TO THE TOP OF THE SLAB, UNLESS NOTED OTHERWISE.
- DRYWALL CONTROL JOINTS ARE TO BE INSTALLED AT MINIMUM 30'-0" O.C. AT PARTITIONS AND ELSEWHERE AS NOTED. COORDINATE LOCATIONS W/ THE ARCHITECT.
- ALL CONSTRUCTION DESIGNATED TO BE SUPPORTED BY ROOF STRUCTURE SHALL BE SUPPORTED BY TOP CHORD OF STRUCTURAL JOISTS AND NOT FROM THE METAL DECK.
- ALL TENANT FRAMING SHALL BE METAL STUDS.
- ALL WOOD REFERRED TO IN SPECIFICATIONS, INCLUDING PLYWOOD AND WOOD BLOCKING IS TO BE FIRE RETARDANT TREATED.
- INSTALL 5/8" REINFORCED CEMENT UNDERLAYMENT BOARD BEHIND ALL TILE ON WALLS - REFER PLANS FOR LOCATIONS.
- RUNNERS TO BE SET IN BED OF ACOUSTIC SEALANT AT ALL AREAS. CONTINUOUS BEAD UNDER RUNNER, AND SEAL EACH SIDE AT WALL/FLOOR.
- CONTRACTOR TO PROVIDE SOLID, CONTINUOUS, FIRE RATED WOOD BLOCKING FOR ALL MILLWORK, ACCESSORIES AND OTHER MISCELLANEOUS ASSEMBLIES REQUIRING BLOCKING

METAL STUD SCHEDULE

| SIZE | GA. | TYPE | 16' O.C. | | 24' O.C. |
|--------|-----|------|-------------------------|---------|--------------|
| | | | MAX. UNSUPPORTED HEIGHT | | NOTE 1, 2, 3 |
| 2 1/2" | 25 | ST | UP TO | 12'-6" | 10'-4" |
| | 22 | ST | " " | 13'-0" | 11'-6" |
| | 20 | ST | " " | 13'-10" | 12'-0" |
| 3 5/8" | 25 | ST | UP TO | 16'-0" | 13'-6" |
| | 22 | ST | " " | 17'-3" | 15'-0" |
| | 20 | ST | " " | 17'-11" | 15'-1" |
| 6" | 20 | SJ | " " | 18'-6" | 16'-4" |
| | 16 | SJ | " " | 19'-3" | |
| | 16 | SJ | " " | 20'-0" | |
| 6" | 14 | SJ | " " | 22'-0" | |
| | 22 | ST | UP TO | 25'-3" | 22'-0" |
| | 20 | ST | " " | 26'-11" | 22'-10" |
| 6" | 20 | SJ | " " | 28'-0" | 23'-8" |
| | 18 | SJ | " " | 28'-0" | |
| | 16 | SJ | " " | 30'-0" | |
| 6" | 14 | SJ | " " | 32'-0" | |

- BASED ON INTERIOR NON-BEARING PARTITIONS WITH (1) LAYER OF GYP. BD. EA. SIDE. USE GAUGE, TYPE AS SCHEDULED UNLESS NOTED OTHERWISE ON DWGS.
- RUNNER TRACK GAUGE TO MATCH STUD.
- MOISTURE RESISTANT GNB TO BE USED IN JANITORS CLOSET AND RESTROOMS.

ACCESSIBLE FIXTURES AND ACCESSORIES MOUNTING SCHEDULE:

| MK | ITEM | ACCESSIBLE DIMENSIONS REQUIRED |
|----|--|--------------------------------|
| A | LAVATORIES - HEIGHT TO BOTTOM OF APRON | 29" MIN |
| B | LAVATORIES - HEIGHT TO TOP OF RIM | 34" MAX. |
| C | LAVATORIES - DEPTH FROM FINISHED WALL | 17" MIN |
| D | URINAL - HEIGHT TO TOP OF RIM | 17" MAX. |
| E | URINAL - DEPTH FROM FINISHED WALL TO OUTER EDGE OF ELONGATED RIM | 14" MIN. |
| F | GRAB BARS - HEIGHT TO TOP OF BAR. | 33" - 36" |
| G | WATER CLOSET - HEIGHT TO TOP OF SEAT. | 17" - 19" |
| H | WATER CLOSET - HEIGHT TO FLUSH CONTROLS | 44" MAX. |
| J | MIRROR - HEIGHT MAXIMUM TO BOTTOM EDGE OF REFLECTING SURFACE. | 40" MAX. |
| K | CONTROLS & DISPENSERS: (TELEPHONES INCLUDED) MAXIMUM TO CENTER LINE OF CONTROL DEVICE - FRONT APPROACH SIDE APPROACH | 48" MAX. 54" MAX. |
| L | DRINKING FOUNTAIN - HEIGHT TO TOP OF SPOUT | 36" MAX. |
| M | DRINKING FOUNTAIN - HEIGHT TO BOTTOM OF APRON | 27" MIN. |
| N | DRINKING FOUNTAIN - DEPTH FROM FINISHED WALL | 17" MIN. |
| P | PAPER TOWEL DISPENSER/DRYER - HT TO OPENING | 48" MAX. |
| Q | TOILET PAPER DISPENSER - HT TO DISPENSER OPENING | 15" MIN. |
| R | TOILET PAPER DISPENSER - DEPTH FROM WATER CLOSET | 7" - 9" |
| S | COAT HOOK | 54" MAX. |
| T | WATER CLOSET - CLEAR SPACE (WALL MTD) | 56" MIN. |
| U | WATER CLOSET - FROM ADJACENT WALL TO C | 18" |
| V | WATER CLOSET - CLEAR SPACE FROM ADJ. WALL | 60" MIN. |
| W | LAVATORIES - CLEAR SPACE FROM C | 15" MIN. |
| X | 36" GRAB BAR - LOCATED FROM ADJACENT WALL | 6" MAX. |
| Y | 42" GRAB BAR - LOCATED FROM REAR WALL | 12" MAX. |
| Z | 18" VERTICAL GRAB BAR - LOCATED FROM ADJ. WALL | 39"-41" |
| AA | 18" VERTICAL GRAB BAR - LOCATED FROM FLOOR | 39"-41" |

| | 5' | 2' | 5' | 6' | 9' | 11' |
|-------------------|-----|-----|-----|-----|-----|-----|
| MAX. REACH DEPTH | 5' | 2' | 5' | 6' | 9' | 11' |
| MAX. REACH HEIGHT | 45" | 46" | 42" | 40" | 36" | 34" |

NOTE: NEW DEMISING WALL CONSTRUCTED BY LANDLORD, 3 5/8" METAL STUDS AT 16" O.C. WITH 5/8" TYPE X GNB EA. SIDE TO DECK ABOVE - ALLOW FOR DEFLECTION AT HEAD

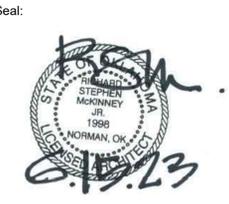
NOTE: AT INTERIOR SIDE OF RESTROOM WALLS, PROVIDE 3/8" MOISTURE-RESISTANT TREATED GNB

NOTE: AT INTERIOR SIDE OF RESTROOM WALLS, PROVIDE 3/8" MOISTURE-RESISTANT TREATED GNB

NOTE: AT INTERIOR SIDE OF RESTROOM WALLS, PROVIDE 3/8" MOISTURE-RESISTANT TREATED GNB



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com



Project:
Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
PARTITION TYPES, TYPICAL DETAILS, FIXTURE MOUNTING SCHEDULE

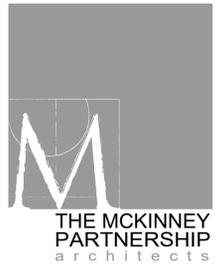
Sheet Number:

03 NON-RATED PARTITION HEAD
SCALE: N.T.S.

02 LATERAL BRACING DETAIL
SCALE: N.T.S.

01 PARTITION TYPES
SCALE: N.T.S.

A0.1



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

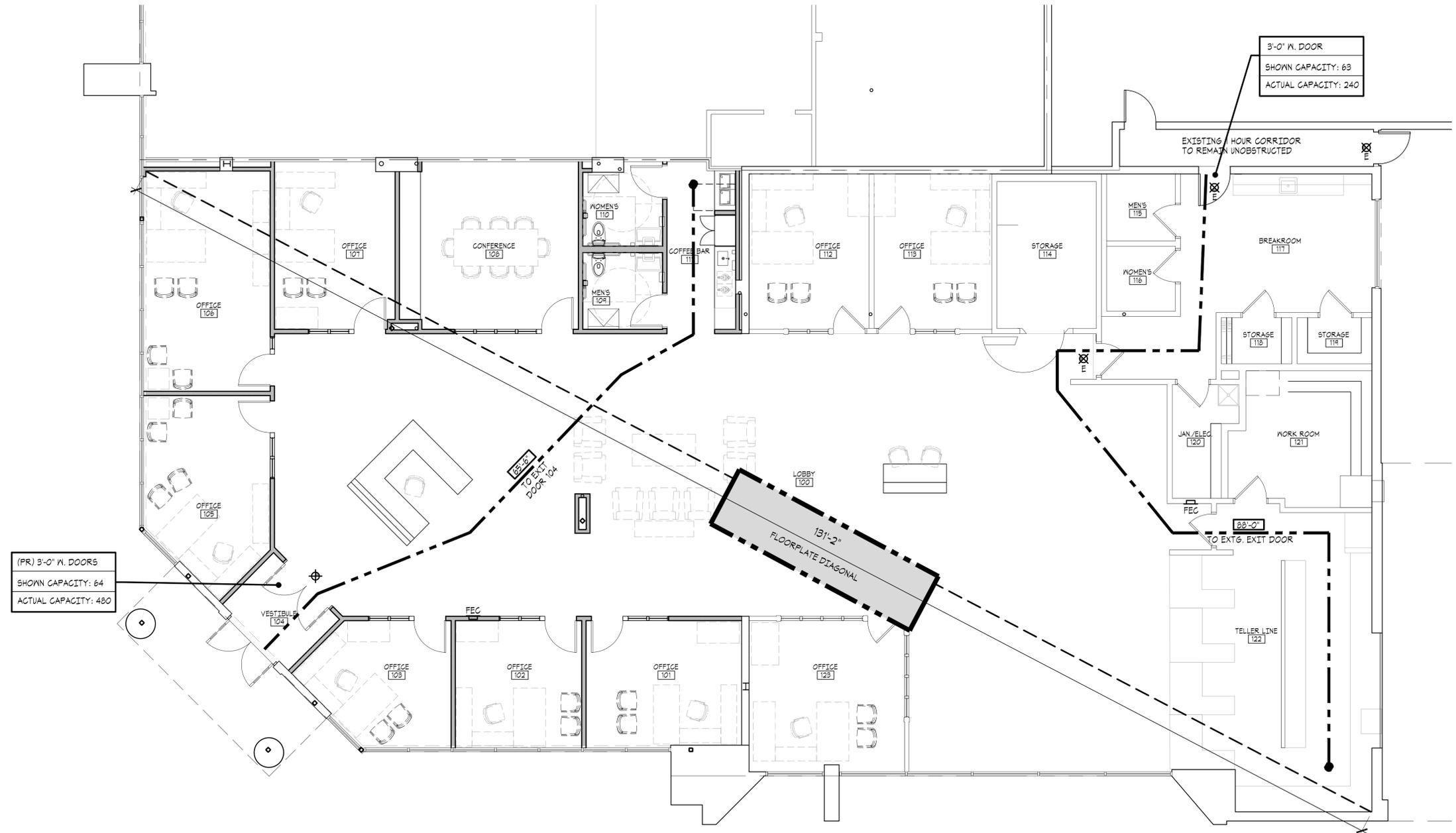
LIFE SAFETY PLAN

Sheet Number:

LS1.0

| GENERAL NOTES | LEGEND |
|--|------------------------------|
| 1. REFER TO CODE REVIEW ON SHEET A0.0 FOR DETAILED INFORMATION. | EXIT SIGN |
| 2. EXIT LIGHTS ARE SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR DETAILED LOCATIONS. | EXISTING EXIT SIGN TO REMAIN |
| 3. MAX. TRAVEL DISTANCE = 300' NOT EXCEEDED PER IBC 1016.1. | FIRE EXTINGUISHER CABINET |
| 4. DOOR EGRESS WIDTH SHOWN AT 0.15' PER OCCUPANT PER IBC TABLE 1009.1. | |

| LEGEND: |
|-------------------------|
| EXISTING WALL TO REMAIN |
| NEW WALL |



01 LIFE SAFETY PLAN
SCALE: 3/16" = 1'-0"

GENERAL DEMOLITION NOTES

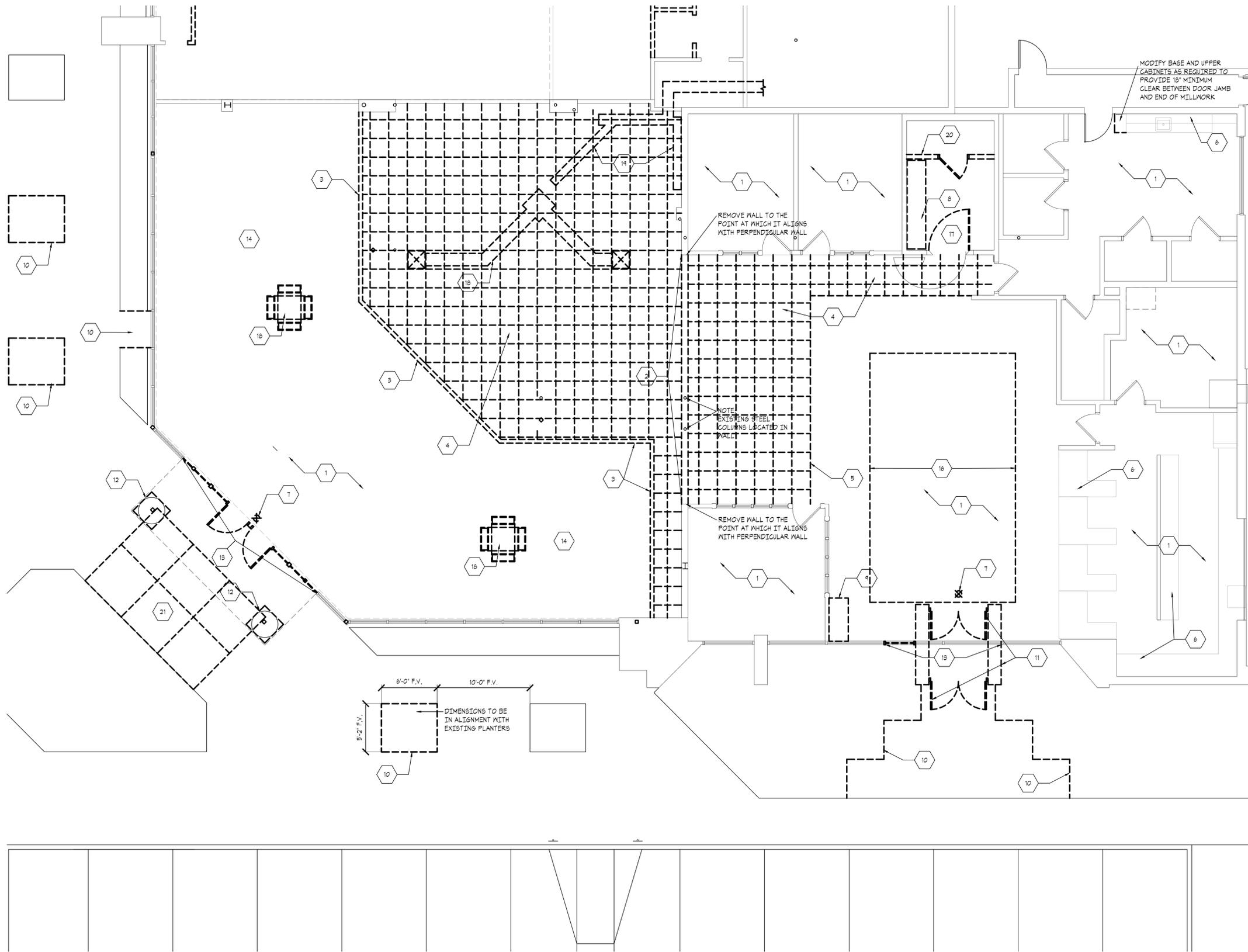
1. THE SCOPE OF THE WORK INCLUDES ALL INTERIOR ELEMENTS NECESSARY TO ACCOMMODATE THE NEW WORK. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL INDICATED NON-LOAD BEARING INTERIOR WALLS, DOORS, CEILING AND FLOOR FINISHES DOWN TO A CLEAN AND LEVEL WORKING SURFACE. ALL EXISTING CONSTRUCTION TO REMAIN U.N.O.
2. THE DEMO CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND NOTIFY GENERAL CONTRACTOR OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF THE WORK.
3. DURING THE DEMOLITION PHASE THE DEMO CONTRACTOR SHALL SUPPORT ALL EXISTING STRUCTURES AS REQUIRED TO MAINTAIN A SAFE WORKING ENVIRONMENT. ANY DAMAGE CAUSED BY THE DEMOLITION PROCESS WILL BE CORRECTED BY THE DEMO CONTRACTOR AT NO COST TO TENANT.
4. IF THE DEMOLITION PROCESS RESULTS IN AN UNSAFE WORKING ENVIRONMENT, STOP WORK IMMEDIATELY AND NOTIFY THE APPROPRIATE AUTHORITY, GENERAL CONTRACTOR AND ARCHITECT PRIOR TO PROCEEDINGS.
5. PROVIDE ALL LIFE SAFETY SYSTEMS INCLUDING, BUT NOT LIMITED TO, TEMPORARY LIGHTING BARRICADES, GUARD RAILS AND VENTILATION SYSTEMS AS REQUIRED BY LOCAL, STATE AND FEDERAL JURISDICTIONS.
6. DEMO CONTRACTOR SHALL ARRANGE TO IMMEDIATELY REMOVE AND LEGALLY DISPOSE OF ALL DEMOLITION MATERIALS.
7. PROCEED WITH DEMOLITION IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
8. COORDINATE WITH LANDLORD ON RUBBISH REMOVAL PROCEDURES, LOCATION OF TRASH DUMPSTERS TIME SCHEDULES, ETC. DISPOSE OF ALL RUBBISH IN A MANNER COMPLIANT WITH ALL LAWS, REGULATIONS, ETC.
9. PRIOR TO THE START OF ANY NEW CONSTRUCTION, CLEAN THE SITE OF ALL DEMOLITION DEBRIS. DEMO CONTRACTOR SHALL ASSURE THAT THE DEMOLITION WORK IS COMPLETE TO THE POINT WHERE NO ADDITIONAL DEMOLITION SHALL BE REQUIRED.
10. CONSULT WITH GENERAL CONTRACTOR PRIOR TO THE START OF DEMOLITION TO DETERMINE THE SCOPE OF ALL MATERIALS, FINISHES AND SYSTEMS THAT ARE TO BE REUSED.
11. ALL UTILITIES TO REMAIN U.N.O.
12. COORDINATE WITH LANDLORD ON DEMOLITION TIME RESTRICTIONS.
13. REFER MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS.

DEMOLITION KEY NOTES:

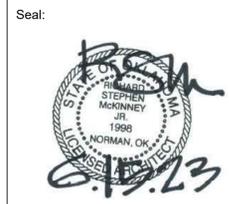
- 1 EXISTING FLOORING MATERIAL TO BE REMOVED THROUGHOUT.
- 2 REMOVE PORTION OF EXISTING WALL.
- 3 REMOVE EXISTING BULKHEAD FRAMING, FINISH AND INSULATION.
- 4 REMOVE CEILING GRID, TILE, HVAC COMPONENTS, SPEAKERS, LIGHT FIXTURES, INSULATION, ETC.
- 5 TEMPORARILY BRACE & PROTECT EXISTING FURREDOWN ABOVE TO REMAIN. REFER TO REFLECTED CEILING PLAN.
- 6 PRESERVE AND PROTECT EXISTING MILLWORK TO BE REFURBISHED.
- 7 REMOVE EXIT SIGN.
- 8 REMOVE SAFE DEPOSIT BOXES AND RETURN TO OWNER.
- 9 REMOVE COFFEE BAR MILLWORK AND CAP WATER SUPPLY LINE.
- 10 REMOVE CONCRETE PAVING FROM EXISTING PANELS IN SIDEWALK FOR NEW PLANTING AREAS.
- 11 REMOVE MASONRY WALLS AND ALUMINUM/GLASS DOORS.
- 12 REMOVE METAL COLUMN COVER.
- 13 REMOVE SECTION OF ALUMINUM STOREFRONT GLASS AND ENTRY DOORS.
- 14 REMOVE SUSPENDED FLUORESCENT AND TRACK LIGHT FIXTURES.
- 15 REMOVE EXISTING CEILING TILE, CEILING GRID AND LIGHT FIXTURES TO REMAIN.
- 16 REMOVE TILE AND LIGHT FIXTURES ONLY AT THIS CEILING AREA. GRID, DIFFUSERS, ETC. TO REMAIN.
- 17 REMOVE ALUMINUM GATE AND RETURN TO OWNER.
- 18 REMOVE EXISTING HVAC DUCTWORK, PLENUM AND CEILING MOUNTED DIFFUSERS.
- 19 REMOVE CONCRETE FLOOR SLAB AS REQUIRED FOR CONNECTION OF NEW PLUMBING FIXTURES TO LANDLORD'S SANITARY SEWER LINE.
- 20 REMOVE WALL, DOOR AND TRIM.
- 21 REMOVE DAMAGED CONCRETE PANELS IN SIDEWALK TO BE REPLACED WITH NEW (6 TOTAL).

WALL LEGEND

- EXISTING WALL CONSTRUCTION TO REMAIN
- - - EXISTING CONSTRUCTION TO BE DEMOLISHED



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com



Project:
Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

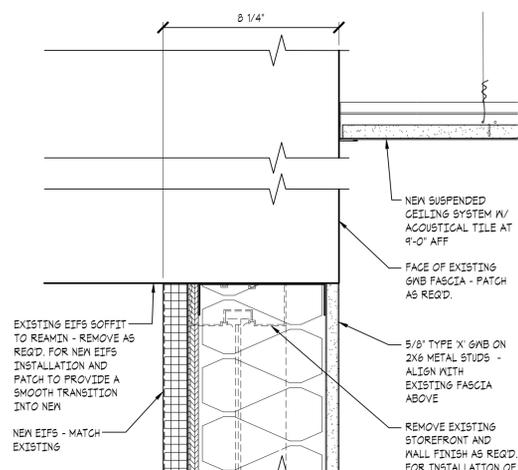
Project Number:
CM093523

Sheet Title:
DEMOLITION PLAN

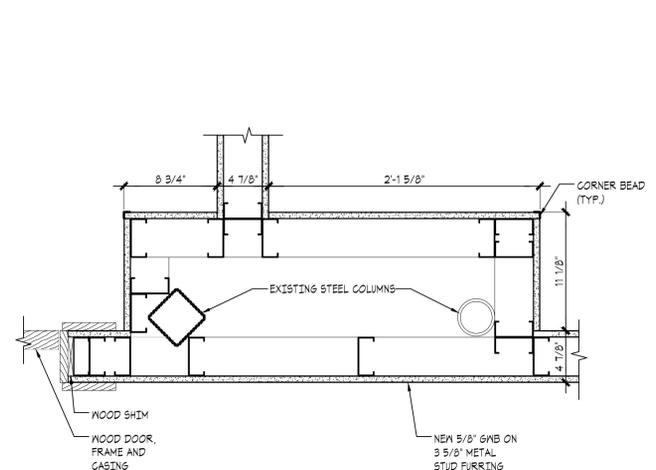
Sheet Number:

D1.0

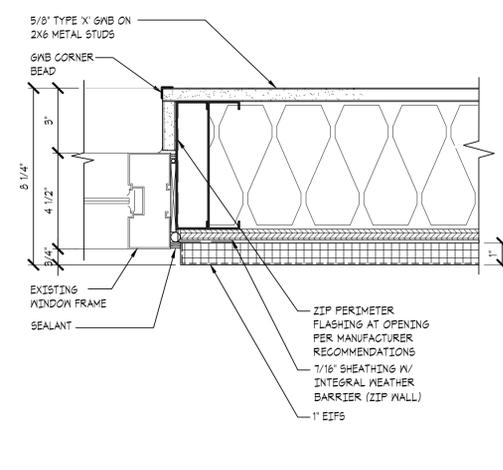
01 DEMOLITION PLAN
SCALE: 3/16" = 1'-0"



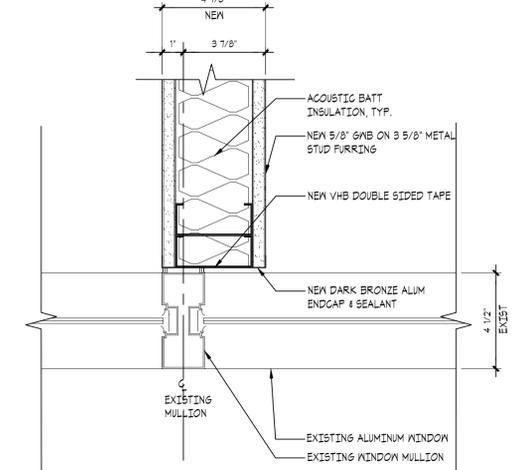
05 NEW WALL DETAIL
SCALE: 3/8" = 1'-0"



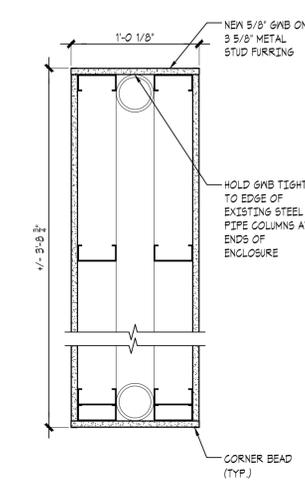
04 PLAN DETAIL
SCALE: 3/8" = 1'-0"



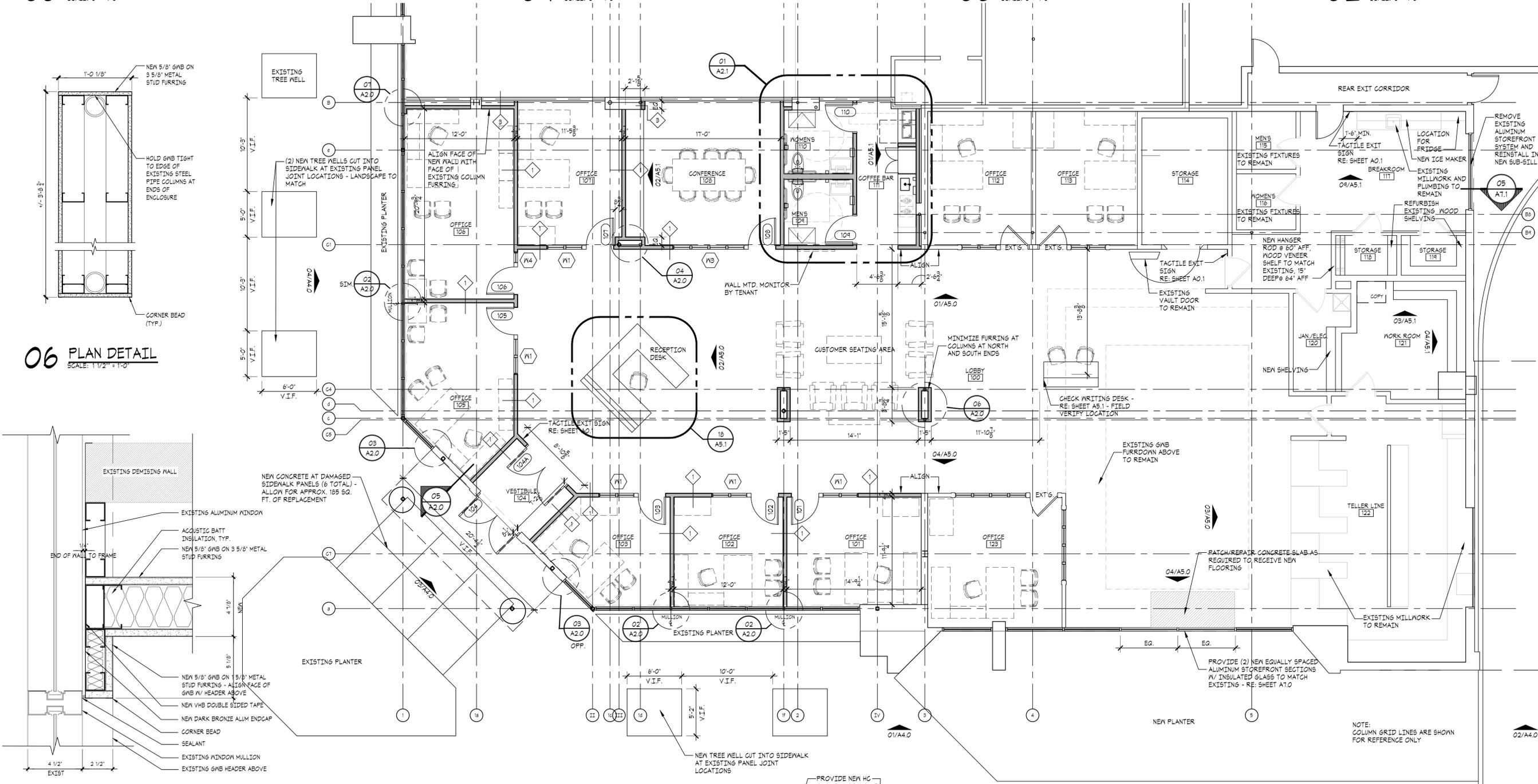
03 PLAN DETAIL
SCALE: 3/8" = 1'-0"



02 PLAN DETAIL
SCALE: 3/8" = 1'-0"

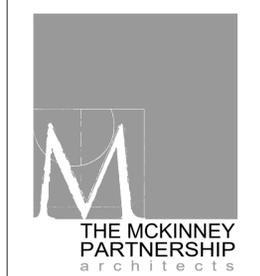


06 PLAN DETAIL
SCALE: 1/2" = 1'-0"

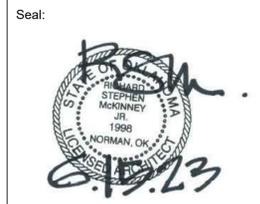


07 PLAN DETAIL
SCALE: 1/2" = 1'-0"

01 FLOOR PLAN
SCALE: 3/16" = 1'-0"



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
mparch.com



Project:
**Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072**

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
FLOOR PLAN

Sheet Number:

A2.0

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
ENLARGED PLANS

Sheet Number:

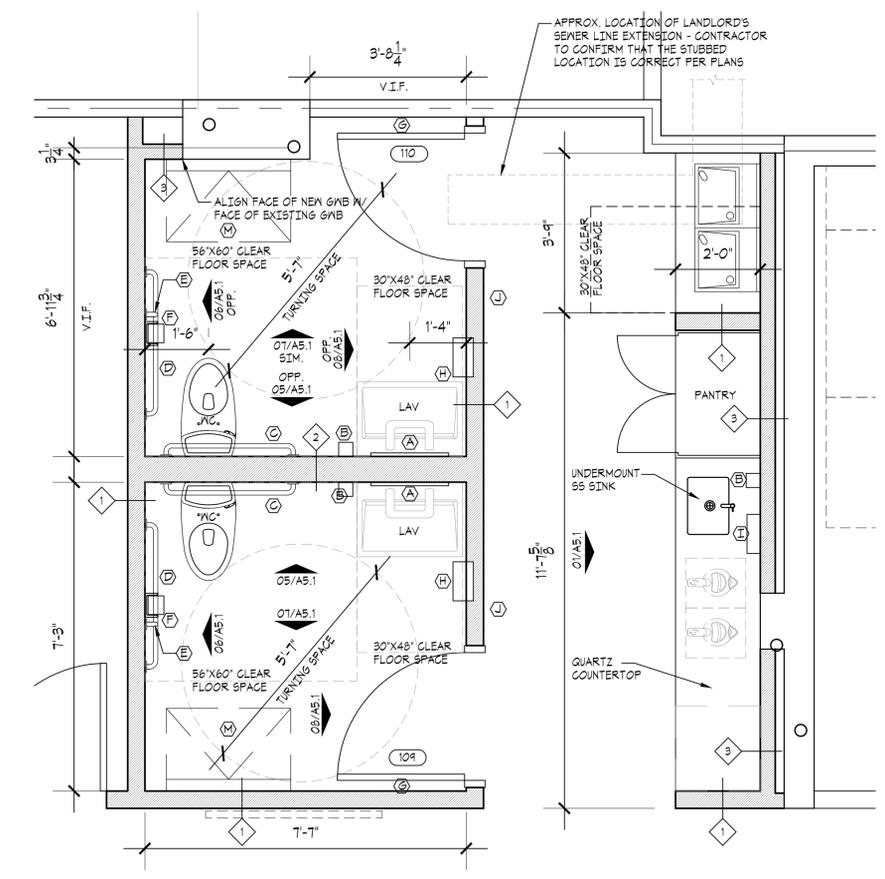
A2.1

TOILET NOTES:

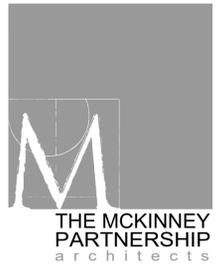
- REFER TO SHEET P1.0 FOR PLUMBING FIXTURE LEGEND.
- REFER TO ACCESSIBLE FEATURES AND ACCESSORIES MOUNTING SCHEDULE ON SHEET A2.1.
- ALL CONSTRUCTION AND MOUNTING HEIGHTS SHALL COMPLY WITH ALL APPLICABLE CITY AND STATE ACCESSIBILITY REGULATIONS AS WELL AS THE FEDERAL ADA (AMERICANS WITH DISABILITY ACT) REGULATIONS. REFER QUESTIONABLE MOUNTING HEIGHTS TO THE ARCHITECT FOR FINAL DECISION. REFER SCHEDULE THIS SHEET.
- PROVIDE SOLID CONTINUOUS FR. WOOD BLOCKING IN WALLS AS REQUIRED FOR ATTACHING ACCESSORIES, RAILS AND EQUIPMENT.
- TRASH RECEPTACLES PROVIDED BY OWNER.

TOILET ACCESSORIES:

| MARK | DESCRIPTION | MANUF./MODEL NO. |
|------|--|---|
| (A) | WOOD FRAMED MIRROR | KOHLER DAMASK FRAMED MIRROR, GLASS AND SOLID WOOD AND VENEERS, CLARET SUEDE |
| (B) | SOAP DISPENSER | BOBRICK B2012, AUTOMATIC WALL MOUNTED SOAP DISPENSER |
| (C) | 36" GRAB BARS AT 36" AFF | BOBRICK, B-5506 X 36 |
| (D) | 42" GRAB BARS AT 36" AFF | BOBRICK, B-5506 X 42 |
| (E) | 18" VERTICAL GRAB BARS AT 40" AFF | BOBRICK, B-5506 X 18 |
| (F) | TOILET PAPER DISPENSER | BOBRICK B-4288 S |
| (G) | COAT HOOK | BOBRICK, B-662 |
| (H) | PAPER TOWEL DISPENSER / TRASH CAN (RECESSED) | BOBRICK B-3440 RECESSED CONVERTIBLE PAPER TOWEL DISPENSER/WASTE RECEPTACLE |
| (I) | PAPER TOWEL DISPENSER / TRASH CAN (WALL MOUNT, RECESSED) | BOBRICK B-262, CLASSIC SERIES, SURFACE MOUNT, 22 GA STAINLESS STEEL, SATIN FINISH, HEMMED OPENING |
| (J) | ACCESSIBLE TOILET SIGNAGE | COMPLY W/ 2010 ADA STANDARDS |
| (K) | NOT USED | |
| (L) | NOT USED | |
| (M) | BABY CHANGING STATION | KOALA KARE, MODEL#KB200, GREY |



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



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
mparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
REFLECTED CEILING PLAN

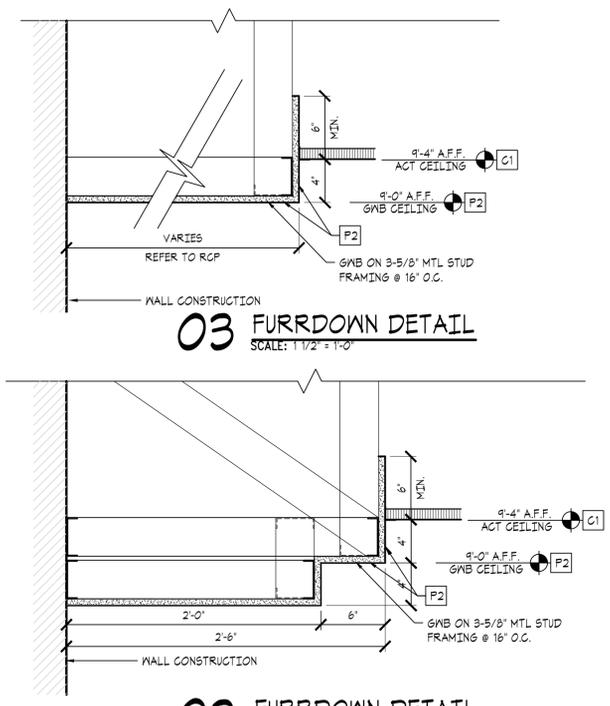
Sheet Number:

REFLECTED CEILING PLAN LEGEND

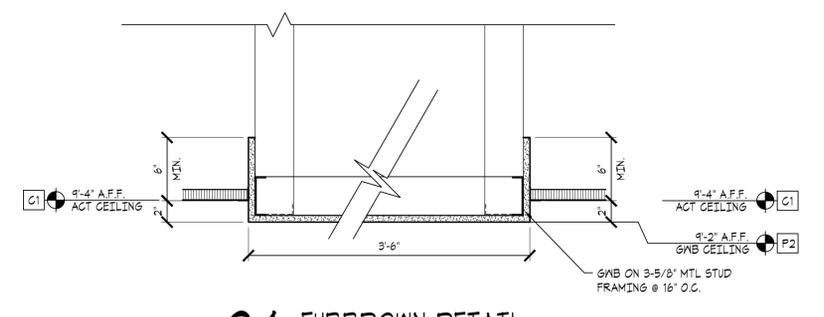
| | |
|--|---|
| | 2x2 CEILING GRID |
| | NEW GNB |
| | EXISTING GNB |
| | 2x2 LED FIXTURE |
| | 2x2 LED FIXTURE W/ EM BACKUP |
| | RECESSED 4' ROUND LED CAN FIXTURE |
| | RECESSED 4' ROUND LED CAN FIXTURE W/ EM BACKUP |
| | WALL MOUNTED VANITY LIGHT |
| | SUSPENDED LED LINEAR FIXTURE, 5'-0" LENGTH, MOUNT AT T-0" AFF |
| | LED EXIT SIGN - SINGLE FACE |
| | LED EXIT SIGN - DOUBLE FACE |
| | SUPPLY AIR GRILLE, RE: MECH. |
| | RETURN AIR GRILLE, RE: MECH. |
| | EXISTING FIXTURE TO REMAIN |

REFLECTED CEILING PLAN GENERAL NOTES:

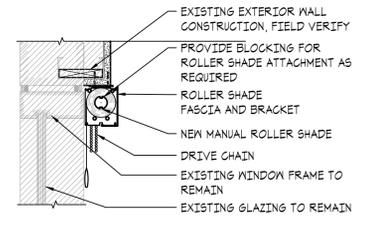
- ALL LIGHTS, SPRINKLERS, AND MISC. ITEMS TO BE CENTERED IN CEILING PLANE/ CEILING TILE.
- STRIP FIXTURES TO BE CENTERED IN ROOM IN BOTH DIRECTIONS.
- REFER ELECTRICAL FOR ALL LIGHTING AND DESIGNATIONS AND TYPES. ARCHITECTURAL PLANS ILLUSTRATE LAYOUT AND ALIGNMENT.
- VERIFY ALL LIGHTING ROUGH-INS WITH ARCHITECT PRIOR TO DRYWALL INSTALLATION. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER THE ENGINEERING PLANS FOR THE LOCATION OF ALL ITEMS. NOTIFY ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY.
- PAINT ALL DIFFUSERS AND RETURNS IN GNB CEILING TO MATCH ADJACENT CEILING.
- THE GENERAL CONTRACTOR SHALL PROVIDE FLUSH MOUNTED ACCESS DOORS AS NECESSARY PER CODE FOR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. IF NOT SPECIFICALLY NOTED ON THE CEILING PLAN, CONFIRM THE PROPOSED LOCATION WITH THE ARCHITECT. PAINT TO MATCH ADJ. CEILING.
- REFER A4.0 FINISH SCHEDULE FOR FINISHES.



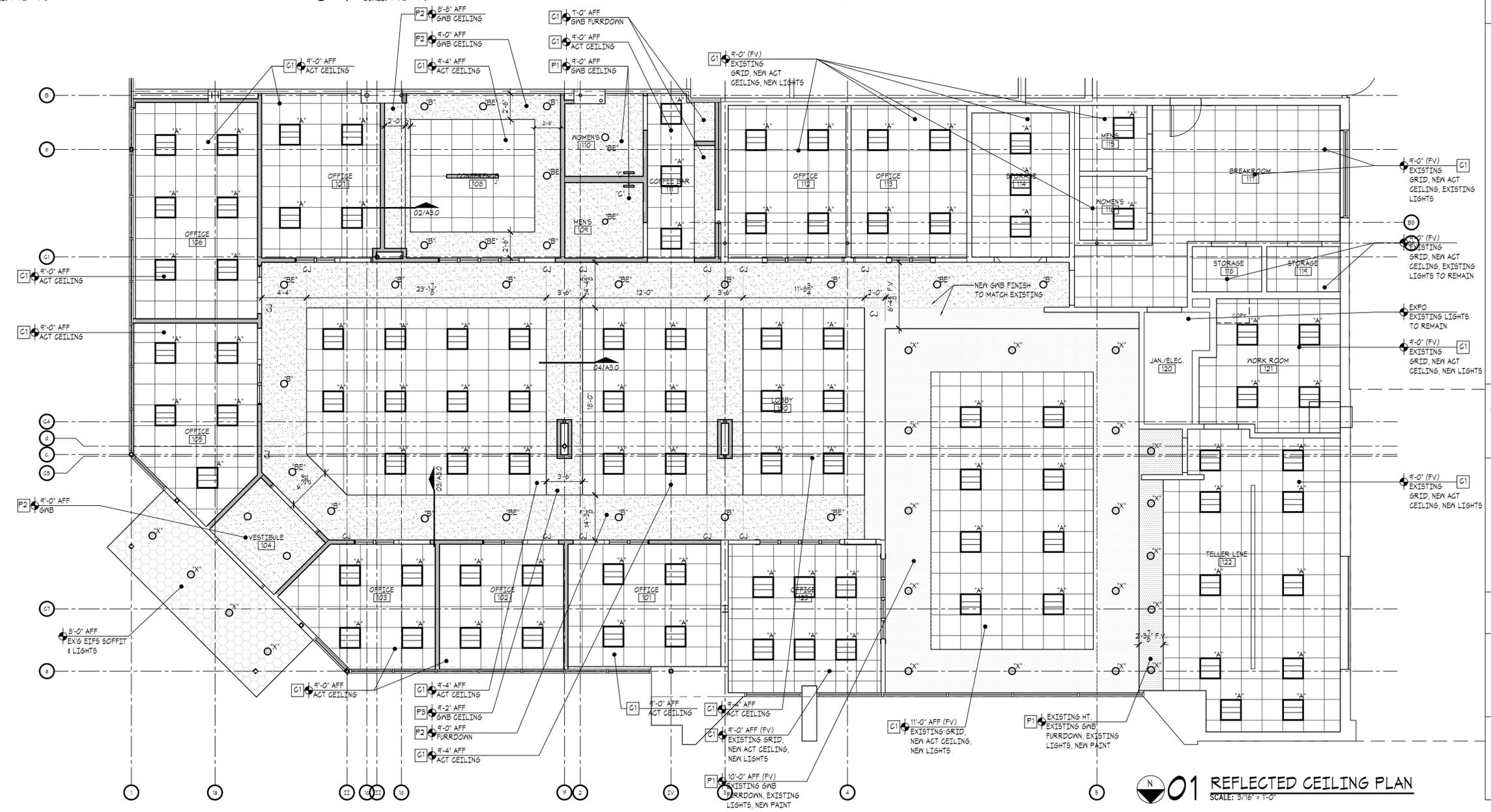
02 FURRDOWN DETAIL
SCALE: 1/2" = 1'-0"



04 FURRDOWN DETAIL
SCALE: 1/2" = 1'-0"

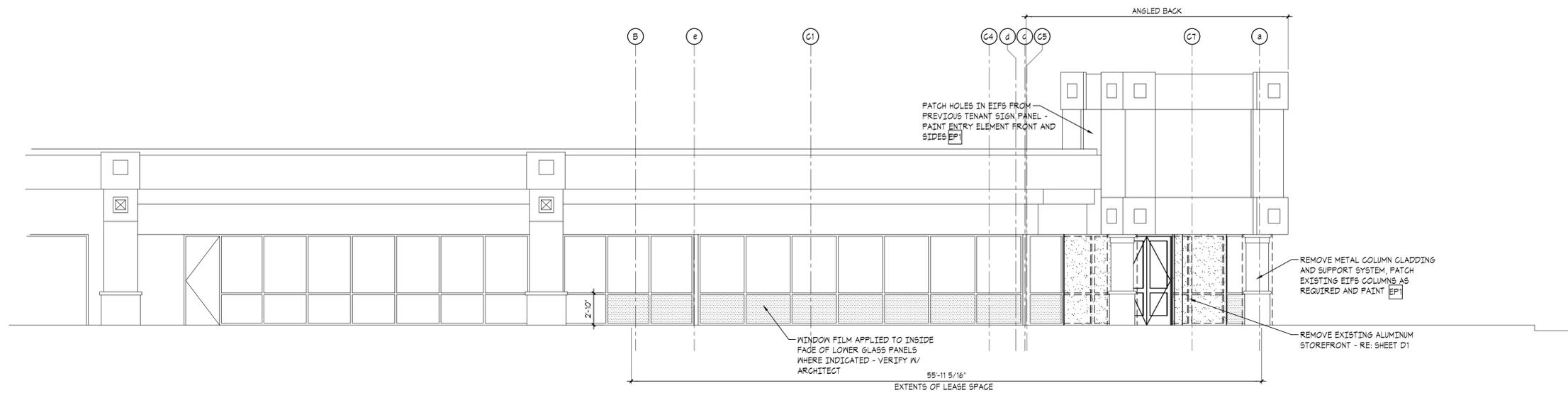


05 ROLLER SHADE DETAIL
SCALE: 1/2" = 1'-0"

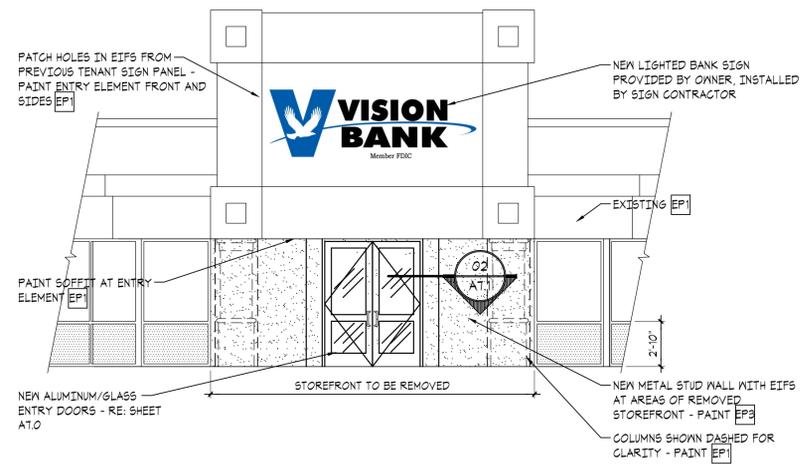


01 REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

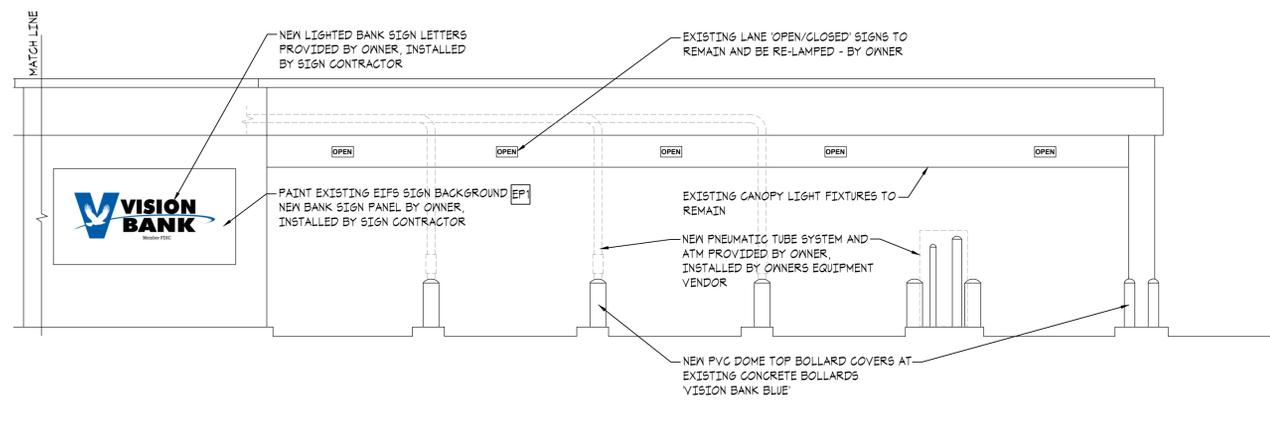
A3.0



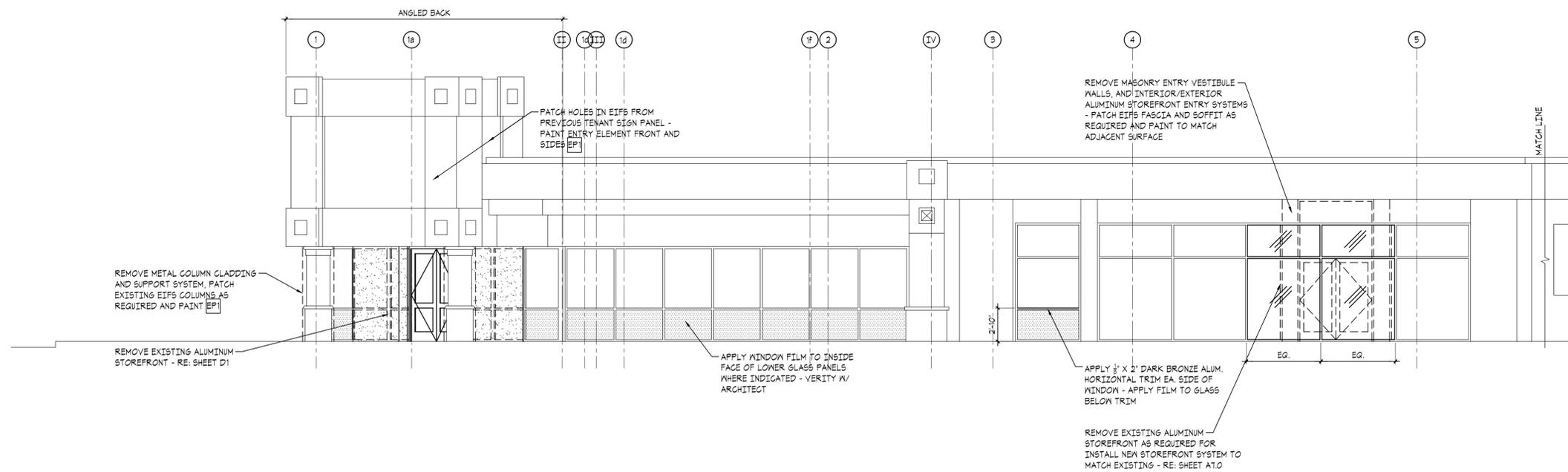
04 EAST ELEVATION
SCALE: 3/16" = 1'-0"



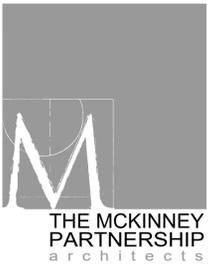
03 NORTHEAST ELEVATION
SCALE: 3/16" = 1'-0"



02 DRIVE-THRU ELEVATION - NORTH
SCALE: 3/16" = 1'-0"



01 NORTH ELEVATION
SCALE: 3/16" = 1'-0"



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

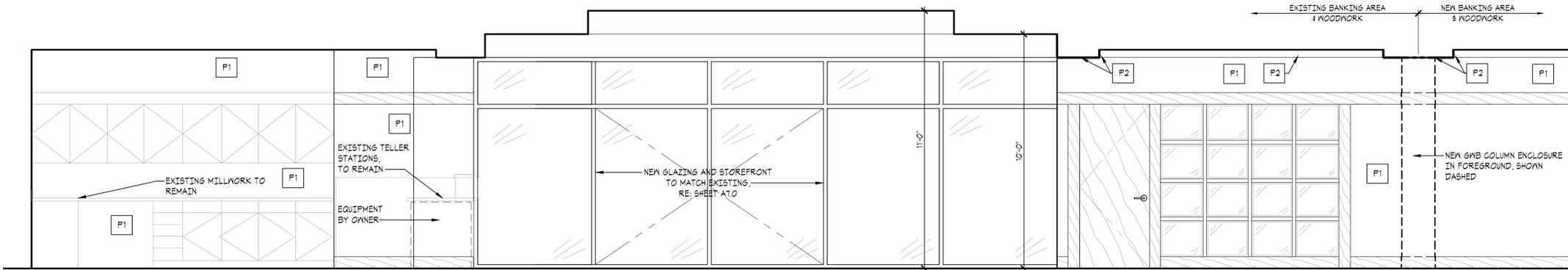
Revisions:

Project Number:
CM093523

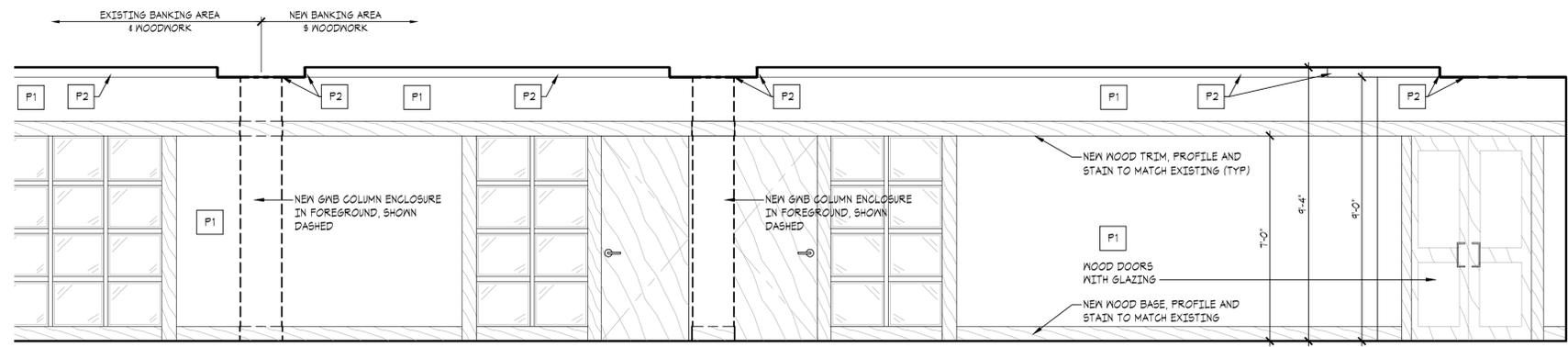
Sheet Title:
EXTERIOR ELEVATIONS

Sheet Number:

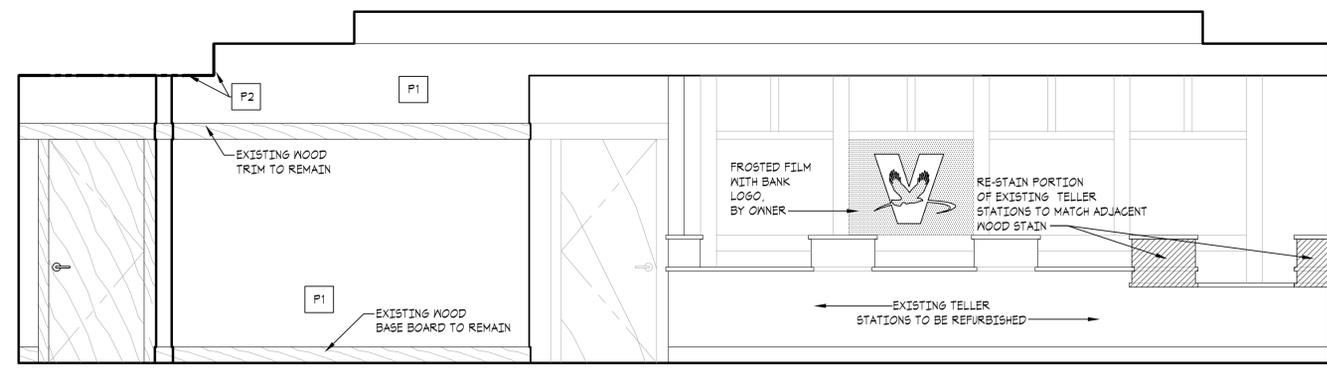
A4.0



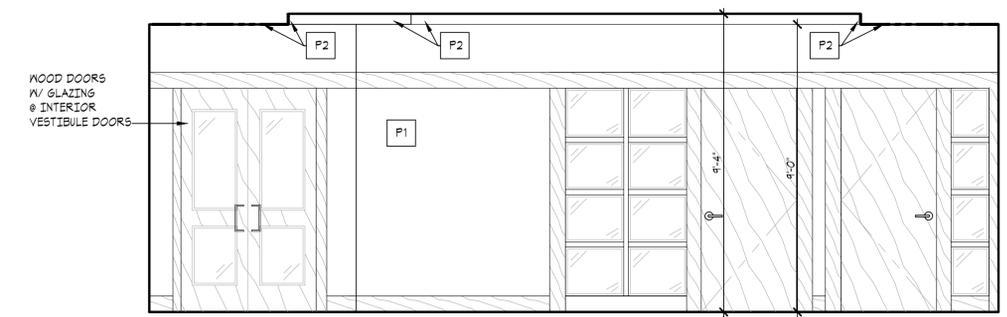
04 LOBBY/TELLERS - NORTH CONT'
SCALE: 3/8" = 1'-0"



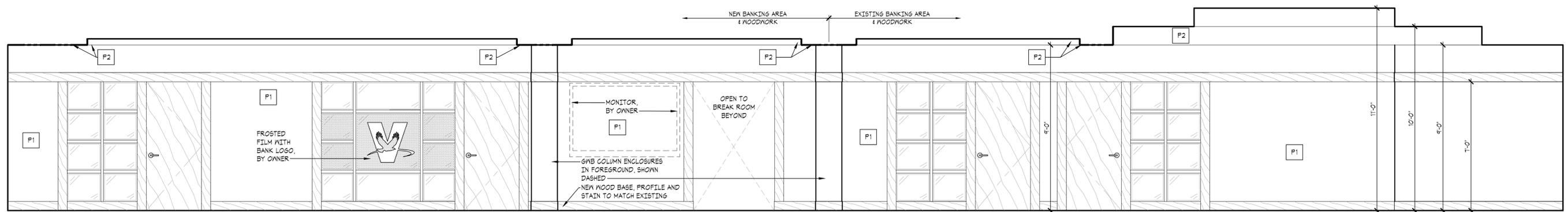
04 LOBBY/TELLERS - NORTH
SCALE: 3/8" = 1'-0"



03 TELLERS - WEST (EXISTING)
SCALE: 3/8" = 1'-0"



02 LOBBY - EAST
SCALE: 3/8" = 1'-0"



01 LOBBY - SOUTH
SCALE: 3/8" = 1'-0"

- GENERAL MILLWORK NOTES:**
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES.
 - CONTRACTOR SHALL VERIFY DIMENSIONS OF TENANT'S EQUIPMENT PRIOR TO CONSTRUCTION AND SHALL VERIFY ANY REQUIRED CLEARANCES.
 - PROVIDE F.R. WOOD CONTINUOUS BLOCKING AS REQUIRED.
 - A MAXIMUM OF 1/8" SHALL OCCUR BETWEEN ALL DRAWERS AND DOOR FRONTS.
 - ENCLOSED CABINET BACKS TO BE ONE SIDED WHITE MELAMINE ON 1/4" MDF PANELS TYPICAL.
 - ALL ATTACHMENT SCREWS SHALL MATCH FINISH OF CORRESPONDING HARDWARE.
 - REFER FINISH SCHEDULE FOR FINISH TYPES.
 - ALL BASE AND UPPER CABINETS TO BE OAK VENEER ON 3/4" PLYWOOD WITH MATCHING TAPE EDGE BANDING.
 - VENEER WOODGRAIN TO BE RUN VERTICAL AT ALL MILLWORK LOCATIONS. USE SAME SHEET FOR DRAWER ABOVE DOOR.
 - DOOR & DRAWER FRONTS TO BE OAK VENEER FRONTS ON MDF. USE GRASS DRAWER GLIDE SYSTEM OR EQUAL W/ 1/2" WHITE MELAMINE BOTTOM. PROVIDE SILICONE SILENCER PADS AND 4" WIRE PULL, TYPICAL. BRUSHED NICKEL. DRAWERS TO BE FULL DEPTH OF FRONT.
 - ALL ENCLOSED SHELVING (FIXED & ADJUSTABLE) THAT IS CONCEALED FROM VIEW BY DOORS TO BE TWO SIDED WHITE MELAMINE ON 3/4" PARTICLE BOARD WITH MATCHING 3MM PVC EDGE THREE SIDES.
 - ALL EXPOSED SHELVING (FIXED & ADJUSTABLE) TO BE OAK VENEER ON 3/4" MDF WITH MATCHING TAPE EDGE AT ALL THREE SIDES.
 - ALL CABINET DOORS TO BE OAK VENEER ON 3/4" MDF WITH MATCHING TAPE EDGE AT ALL FOUR SIDES.
 - ALL DRAWERS TO BE METAL DRAWER SYSTEM-BLUM METABOX OR EQUAL. DRAWER FRONTS AND TO BE OAK VENEER ON 3/4" MDF WITH MATCHING TAPE EDGE AT ALL FOUR SIDES.
 - QUARTZ COUNTERTOPS TO BE ON 3/4" WATERPROOF PLYWOOD WITH 1 1/2" NOSING-REFER MILLWORK SECTIONS. SEAL QUARTZ SPLASH/COUNTER/AND WALL JOINTS WITH CLEAR SILICONE.
 - PROVIDE HEAVY DUTY SELF-CLOSING CONCEALED 120 DEGREE EUROPEAN HINGES-BLUM OR EQUAL ON ALL DOORS.
 - ALL CABINET PULLS TO BE STANDARD 4" WIRE PULL.
 - PROVIDE CLEAR SILICONE SILENCER PADS ON ALL DOORS AND DRAWERS.
 - PULL OUT TRASH/RECYCLING TO BE HAFELE PULL-OUT DOUBLE TRASH CANS, BOTTOM MOUNT WITH SOFT & SILENT CLOSING - 2 X 52 QT (2 X 13 GAL), MINIMUM CABINET OPENING: 15-5/8" WIDE OR EQUAL, TYPICAL.
 - PROVIDE TRASH & RECYCLING RECEPTACLES TO FIT CABINETS.
 - TOUCH UP WOOD STAIN THROUGHOUT ALL EXISTING LOCATIONS.



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
INTERIOR ELEVATIONS

Sheet Number:

A5.0

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

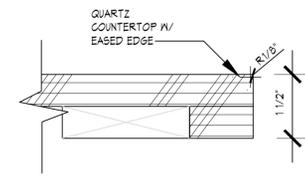
Sheet Title:
MILLWORK SECTIONS

Sheet Number:

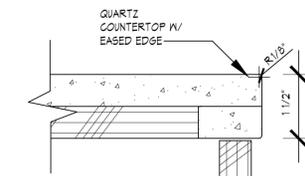
A5.2

MILLWORK KEYNOTES:

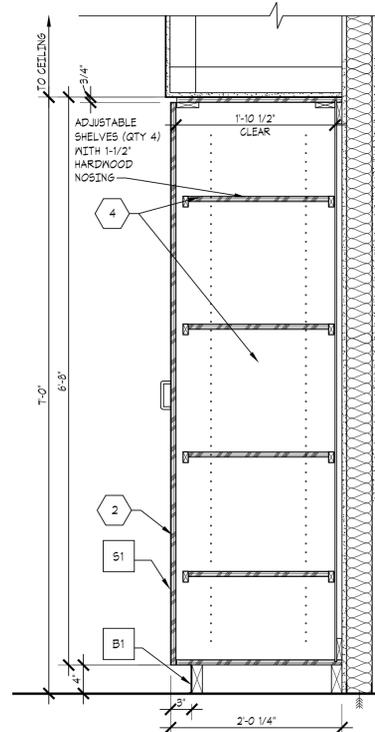
- ① QUARTZ COUNTERTOPS TO BE 2CM MATERIAL ON 3/4" PLYWOOD. EDGE TO BE EASED-REFER DRAWINGS FOR EDGE DIMENSION. SEAL QUARTZ COUNTER AND WALL JOINTS WITH CLEAR SILICONE.
- ② OAK VENEER ON 3/4" MDF DOOR W/ MATCHING EDGE TAPE FOUR SIDES. STAIN TO MATCH EXISTING. PROVIDE HEAVY DUTY SELF-CLOSING CONCEALED EUROPEAN HINGES, SILICONE SILENCER PADS AND PULL TYPICAL TO MATCH EXISTING -REFER PLANS FOR CABINET DEPTH.
- ③ DRAWER FRONTS TO BE OAK VENEER FRONTS ON MDF. USE GRASS DRAWER GLIDE SYSTEM OR EQUAL W/ 1/2" WHITE MELAMINE BOTTOM. PROVIDE SILICONE SILENCER PADS AND PULL - HAFELE ZINC MODEL H2125 160MM OR EQUAL. TYPICAL DRAWERS TO BE FULL DEPTH OF FRONT.
- ④ ALL ENCLOSED SHELVING (FIXED & ADJUSTABLE) THAT IS CONCEALED FROM VIEW BY DOORS TO BE TWO SIDED WHITE MELAMINE ON 3/4" PARTICLEBOARD WITH MATCHING TAPE EDGE 3 SIDES.
- ⑤ FULL OUT TRASH/RECYCLING TO BE HAFELE PULL-OUT DOUBLE TRASH CANS, BOTTOM MOUNT WITH SOFT 4 SILENT CLOSING - 2 X 52 QT (2 X 13 GAL), OR APPROVED EQUAL. MINIMUM CABINET OPENING: 15-5/8" WIDE OR EQUAL. TYPICAL. PROVIDE TRASH & RECYCLING RECEPTACLES TO FIT CABINETS.
- ⑥ ALL EXPOSED SHELVING (FIXED & ADJUSTABLE) TO BE OAK VENEER ON 3/4" MDF WITH MATCHING TAPE EDGE TAPE THREE SIDES. EXPOSED CABINET BACKS TO BE OAK VENEER ON 1/4" PARTICLEBOARD.
- ⑦ UNDER CABINET LED FIXTURE. REFER ELECTRICAL.
- ⑧ PLASTIC LAMINATE COUNTERTOPS AND BACKSPLASHES TO BE PLASTIC LAMINATE ON 3/4" PARTICLEBOARD WITH 1 1/2" NOSING-REFER MILLWORK SECTIONS. SEAL PLASTIC LAMINATE SPLASH/COUNTER/AND WALL JOINTS WITH CLEAR SILICONE.



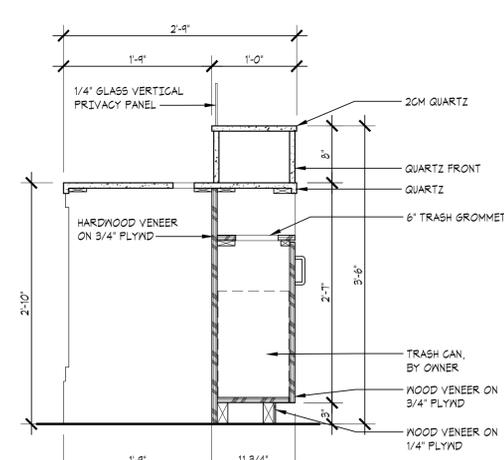
LAMINATE NOSING DETAIL
17 NOSING DETAIL
SCALE: 8" = 1'-0"



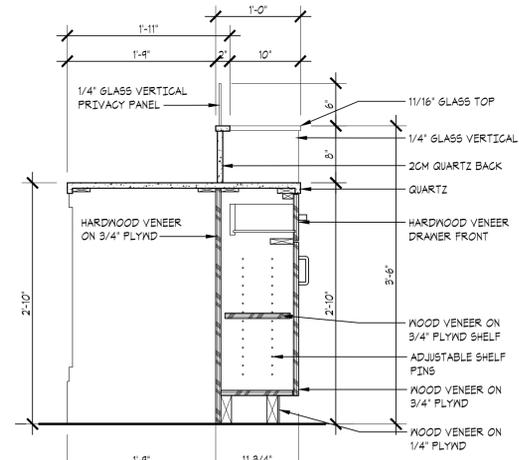
QUARTZ NOSING DETAIL
16 NOSING DETAIL
SCALE: 8" = 1'-0"



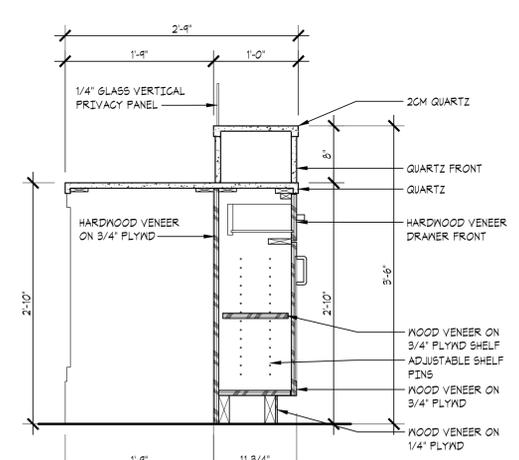
15 PANTRY SECTION
SCALE: 1" = 1'-0"



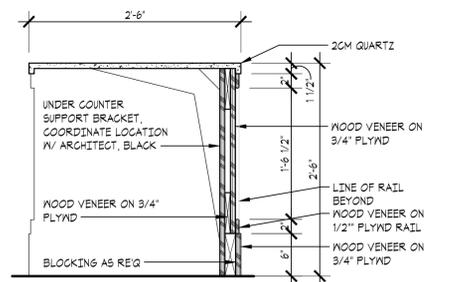
14 SECTION - CHECK STATION
SCALE: 1" = 1'-0"



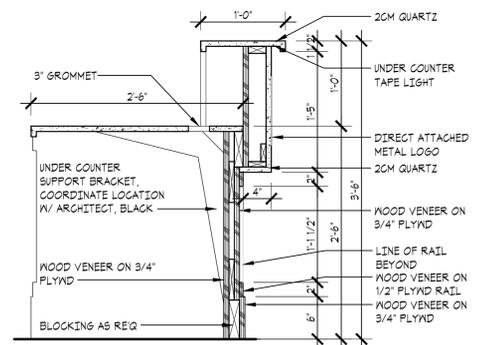
13 SECTION - CHECK STATION
SCALE: 1" = 1'-0"



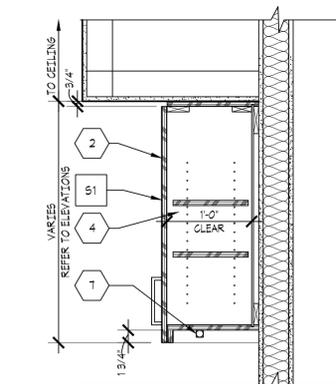
12 SECTION - CHECK STATION
SCALE: 1" = 1'-0"



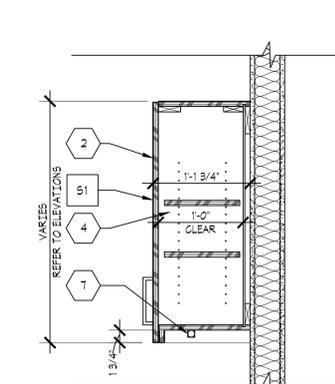
11 SECTION - DESK
SCALE: 1" = 1'-0"



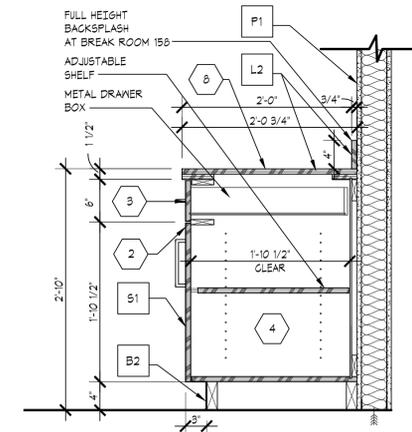
10 SECTION - DESK
SCALE: 1" = 1'-0"



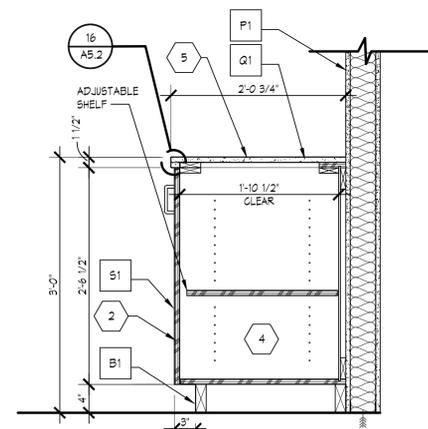
09 UPPER SECTION - FURRDOWN
SCALE: 1" = 1'-0"



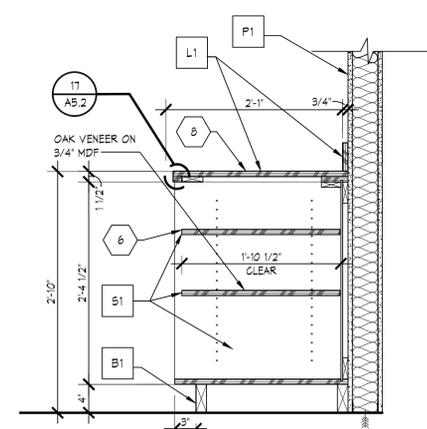
08 UPPER SECTION - TYP
SCALE: 1" = 1'-0"



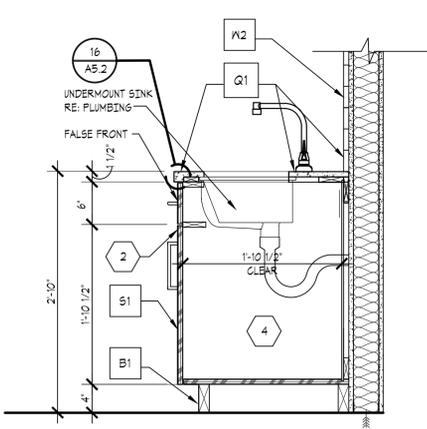
07 PANTRY SECTION
SCALE: 1" = 1'-0"



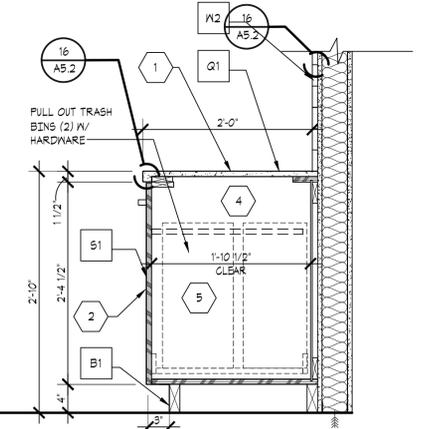
06 BASE SECTION - CONFERENCE
SCALE: 1" = 1'-0"



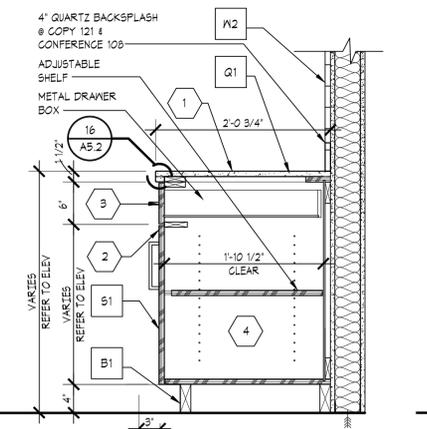
05 BASE SECTION - COPY
SCALE: 1" = 1'-0"



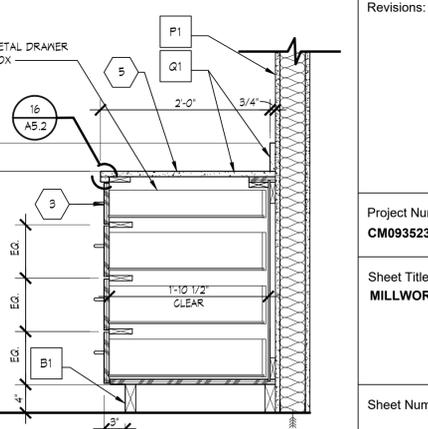
04 BASE SECTION - SINK
SCALE: 1" = 1'-0"



03 BASE SECTION - TRASH
SCALE: 1" = 1'-0"



02 BASE SECTION - TYP
SCALE: 1" = 1'-0"



01 BASE SECTION - DRAWERS
SCALE: 1" = 1'-0"

DOOR SCHEDULE

| SYM. | SIZE | DOOR | MATERIALS | FIN. / LABEL | FRAME | HEAD | JAMB | SILL | HARDWARE | NUMBER | COMMENTS |
|------|------------------------------|------|------------|--------------|---------------|---------|---------|---------|----------|--------|------------|
| 101 | 3'-0" X T'-0" X 1 3/4" | C | WD. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 4 | OFFICE |
| 102 | 3'-0" X T'-0" X 1 3/4" | C | WD. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 4 | OFFICE |
| 103 | 3'-0" X T'-0" X 1 3/4" | C | WD. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 4 | OFFICE |
| 104 | (PR) 3'-0" X 8'-0" X 1 3/4" | B | ALUM./GLS. | ALUM. | ALUM./DK.BRZ. | 03/AT.1 | 02/AT.1 | 01/AT.1 | --- | 1 | ENTRY |
| 104A | (PR) 3'-0" X T'-10" X 1 3/4" | A | WD./GLS. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 2 | ENTRY |
| 105 | 3'-0" X T'-0" X 1 3/4" | C | WD. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 4 | OFFICE |
| 106 | 3'-0" X T'-0" X 1 3/4" | C | WD. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 4 | OFFICE |
| 107 | 3'-0" X T'-0" X 1 3/4" | C | WD. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 4 | OFFICE |
| 108 | 3'-0" X T'-0" X 1 3/4" | C | WD. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 5 | CONFERENCE |
| 104 | 3'-0" X T'-0" X 1 3/4" | D | WD. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 3 | RESTROOM |
| 110 | 3'-0" X T'-0" X 1 3/4" | D | WD. | STAIN | WD./STAIN | 09/AT.1 | 08/AT.1 | --- | --- | 3 | RESTROOM |

WINDOW SCHEDULE

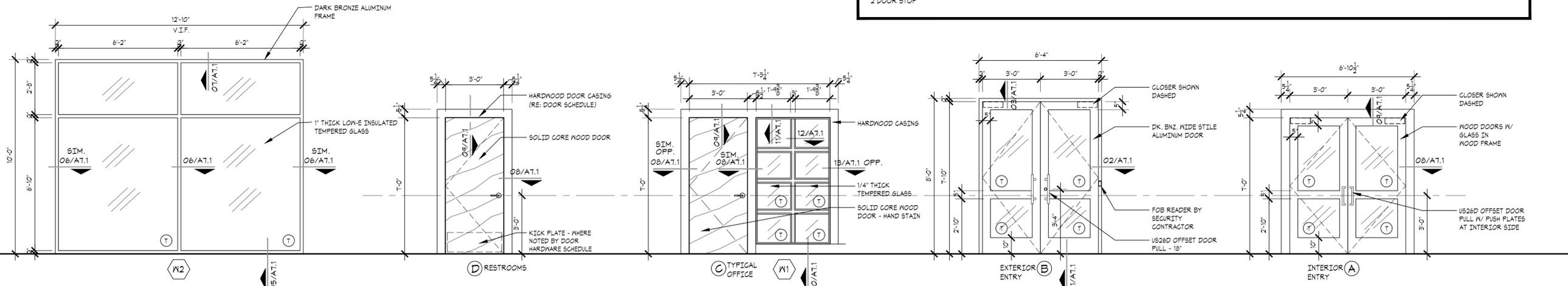
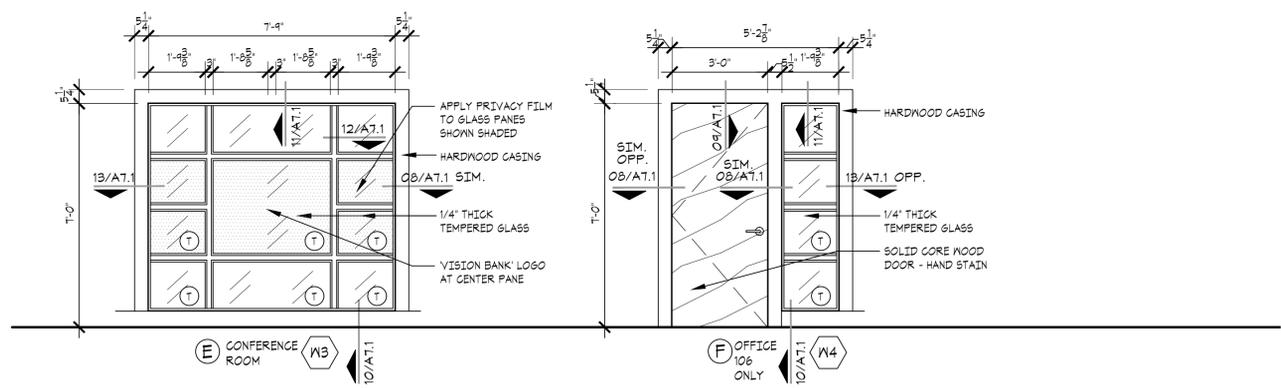
| MARK | LOCATION | SIZE | MATERIAL | REMARKS |
|------|-----------------|----------------------------|-------------------------------------|---|
| W1 | OFFICES | 1'-4 3/8" X T'-0" ± V.I.F. | WOOD | 1/4" THK. CLEAR TEMPERED GLASS - INSTALL ACCORDING TO LOCAL CODE |
| W2 | STOREFRONT | 10'-0" X 12'-10" ± V.I.F. | KAWNEER TRIFAB 450 2X4 1/2 DK. BNZ. | 1" THK. CLEAR TEMPERED INSUL. GLASS TO MATCH EXISTING - INSTALL ACCORDING TO LOCAL CODE |
| W3 | CONFERENCE ROOM | 1'-4" X T'-0" ± V.I.F. | WOOD | 1/4" THK. CLEAR TEMPERED GLASS - INSTALL ACCORDING TO LOCAL CODE APPLY PRIVACY FILM TO THE CONFERENCE ROOM SIDE OF GLASS AS SHOWN |
| W4 | OFFICE 106 | 1'-4 3/8" X T'-0" ± V.I.F. | WOOD | 1/4" THK. CLEAR TEMPERED GLASS - INSTALL ACCORDING TO LOCAL CODE |

DOOR/HARDWARE NOTES

- ALL DOOR HARDWARE SHALL MEET ALL ADA AND BUILDING CODE STANDARDS.
- PLASTIC LAMINATE MOODGRAIN TO BE RUN VERTICAL AT ALL DOORS.
- DOOR HARDWARE SHALL BE THE LEVER OR PUSH TYPE, MOUNTED 34" TO 48" ABOVE THE FLOOR AND BE OPERABLE WITH A MAXIMUM EFFORT OF 5 LBS FOR INTERIORS.
- PROVIDE 18" CLEAR SPACE AT STRIKE/PULL SIDE ON INTERIOR DOORS, AND 12" CLEAR AT STRIKE/PUSH SIDE OF DOORS W/ CLOSERS.
- ALL INTERIOR DOOR HARDWARE, U.O.N. FINISH SHALL BE US26D/626 U.O.N.
- PROVIDE ALL REQUIRED ACCESSORIES WHETHER OR NOT NOTED BELOW FOR A FULL, COMPLETE OPERATIONAL INSTALLATION.
- SUBMIT A FULL AND COMPLETE SUBMITTAL FOR REVIEW AND APPROVAL BY ARCHITECT.

HARDWARE SETS

- SET #1 - PR. ENTRY GLS. DRS. / ALUM. FRAME**
 ACCESS CONTROL BY OWNERS SECURITY CONTRACTOR - COORDINATE W/ ELECTRICAL. DOOR LOCK/UNLOCK ON TIMER, FAIL SAFE, FREE EGRESS AT ALL TIMES. READER, MAG LOCK, RTE PIR, PUSH BUTTON, POWER SUPPLY, AND DOOR STATUS SWITCH BY SECURITY CONTRACTOR.
 2 EA. CONTINUOUS HINGE
 2 FLUSH BOLT
 1 DUSTPROOF STRIKE
 1 MORTISE DEADLOCK
 1 CYLINDER
 2 OFFSET DOOR PULL
 2 PUSH BAR
 2 SURFACE CLOSER
 2 DROP PLATE AND MOUNTING HARDWARE
 1 THRESHOLD
 1 PERIMETER SEAL
 2 SWEEP
 2 POSITION SWITCH
 1 PUSH BUTTON
 1 MOTION SENSOR
 1 CARD READER
 1 POWER SUPPLY
- SET #2 - PR. ENTRY GLS. DRS. / ALUM. FRAME**
 2 CONTINUOUS HINGE
 2 PUSH BAR
 2 OFFSET DOOR PULL
 2 SURFACE CLOSER
 2 DROP PLATE AND MOUNTING HARDWARE
 2 DOOR STOP
- SET #3 - WD. DOOR / WD. FRAME**
 3 HINGE, FULL MORTISE
 1 PRIVACY LOCK
 1 SURFACE CLOSER
 1 KICK PLATE
 1 DOOR STOP
 1 GASKETING
- SET #4 - WD. DOOR/WD. FRAME**
 3 HINGE, FULL MORTISE
 1 ENTRY LOCK
 1 DOOR STOP
 3 SILENCER
- SET #5 - WD. DOOR / WD. FRAME**
 3 HINGE, FULL MORTISE
 1 ROLLER LATCH
 2 DOOR PULL
 1 DOOR STOP
 3 SILENCER



01 DOOR AND WINDOW ELEVATIONS

SCALE: 3/8" = 1'-0"



3600 West Main
 Suite 200
 Norman, Oklahoma
 73072
 405.360.1400 p
 405.364.8287 f
 tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
**DOOR / WINDOW ELEVATIONS
 DOOR / WINDOW & HARDWARE
 SCHEDULES**

Sheet Number:

A7.0

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

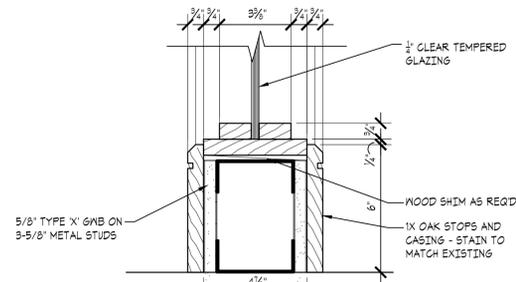
Revisions:

Project Number:
CM093523

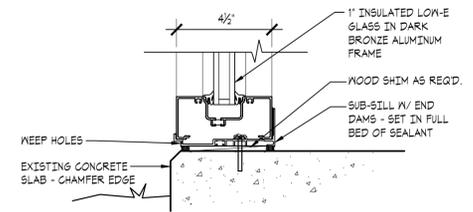
Sheet Title:
DOOR / WINDOW DETAILS

Sheet Number:

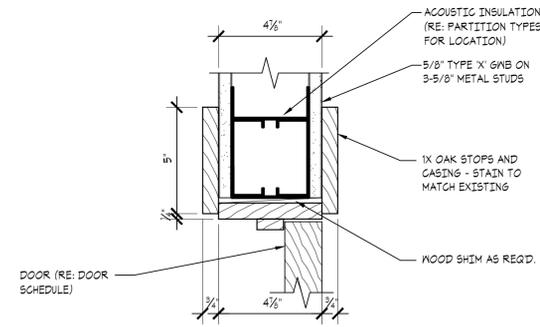
A7.1



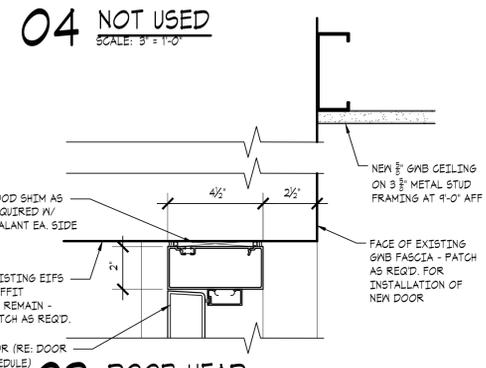
10 WINDOW SILL
SCALE: 3" = 1'-0"



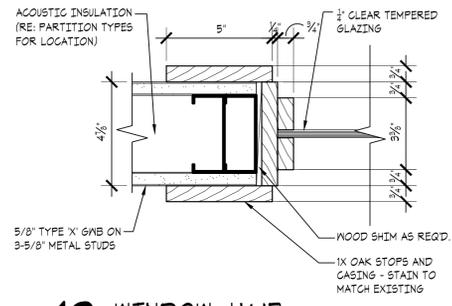
05 WINDOW SILL
SCALE: 3" = 1'-0"



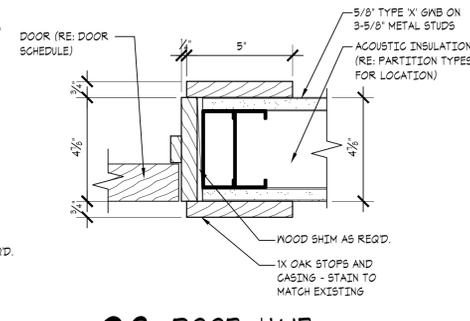
09 DOOR HEAD
SCALE: 3" = 1'-0"



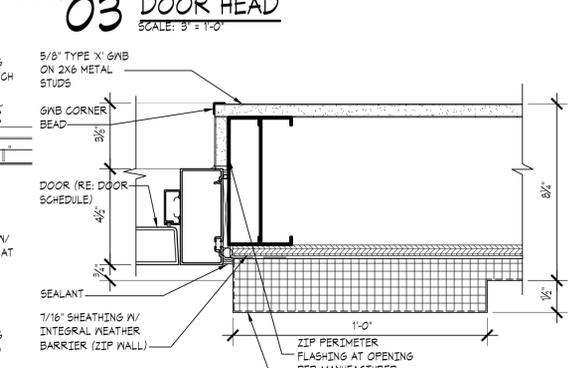
04 NOT USED
SCALE: 3" = 1'-0"



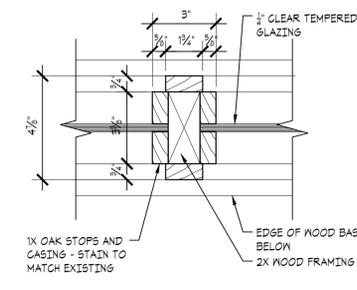
13 WINDOW JAMB
SCALE: 3" = 1'-0"



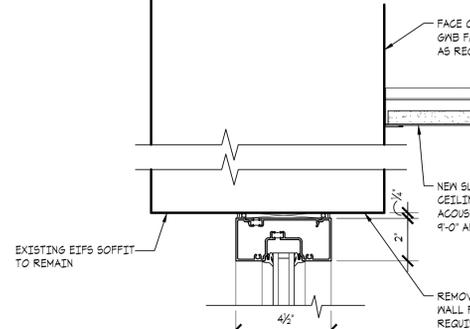
08 DOOR JAMB
SCALE: 3" = 1'-0"



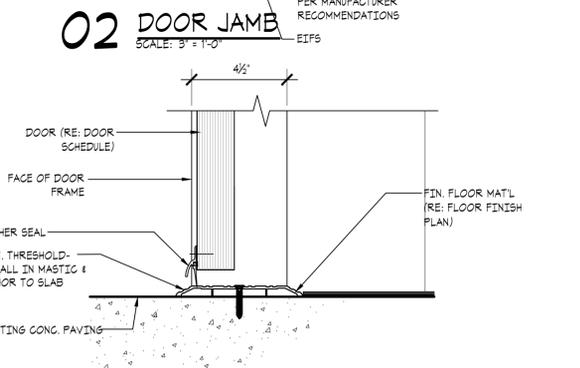
03 DOOR HEAD
SCALE: 3" = 1'-0"



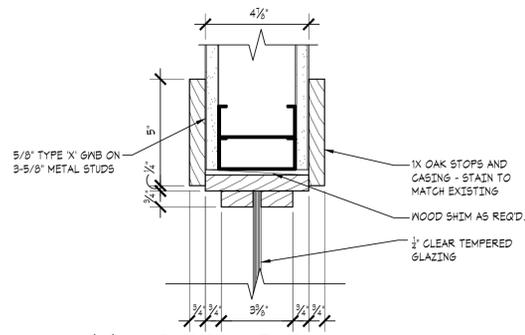
12 WINDOW MULLION
SCALE: 3" = 1'-0"



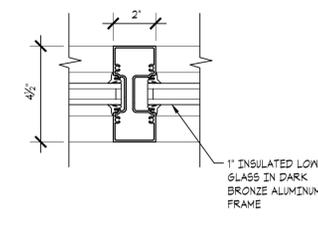
07 WINDOW HEAD
SCALE: 3" = 1'-0"



02 DOOR JAMB
SCALE: 3" = 1'-0"



11 WINDOW HEAD
SCALE: 3" = 1'-0"



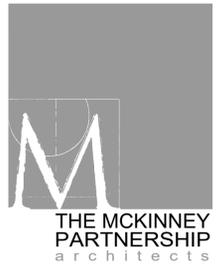
06 WINDOW MULLION
SCALE: 3" = 1'-0"



01 DOOR SILL
SCALE: 3" = 1'-0"

FLOOR LEGEND

| | |
|--|---|
| | F1 WALK-OFF CARPET |
| | F2 20'x20' LVT TILE |
| | F3 12'x24' PORCELAIN TILE |
| | F4 12'x24' PORCELAIN FLOOR TILE |
| | F5 10'x40' CARPET TILE, STAGGER INSTALLATION |
| | F6 10'x40' CARPET TILE, STAGGER INSTALLATION |
| | F7 10'x40' CARPET TILE, STAGGER INSTALLATION, FIELD COLOR |
| | W3 INDICATES WALLS TO RECEIVE NEW WOOD TRIM TO MATCH EXISTING |



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

**Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072**

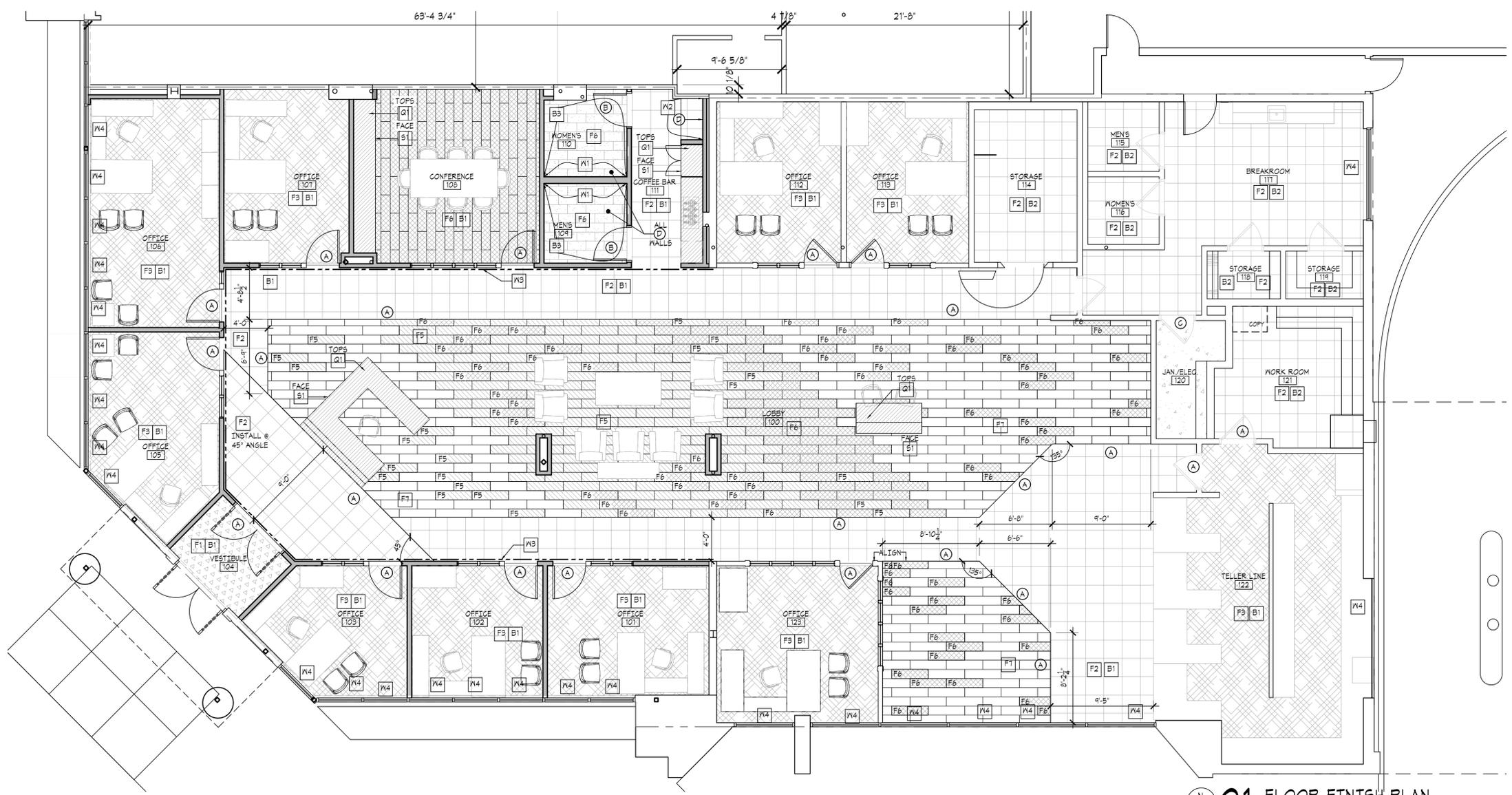
Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
FLOOR FINISH PLAN AND NOTES

Sheet Number:

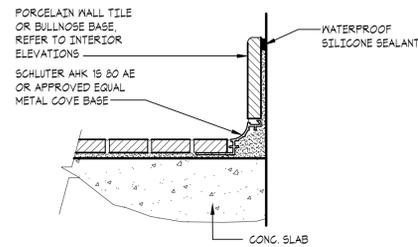


01 FLOOR FINISH PLAN
SCALE: 3/16" = 1'-0"

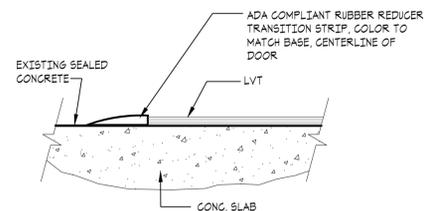
A9.0

FINISH NOTES

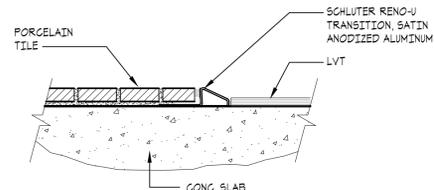
1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PREPARATION OF ALL NEW AND EXISTING SURFACES IN A SATISFACTORY MANNER TO RECEIVE NEW FINISHES. THIS INCLUDES THE DEMOLITION AND REMOVAL OF NECESSARY ITEMS. TOUCH-UP AND/OR REFINISH OF SURFACES DAMAGED BY SUBSEQUENT WORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. THE GENERAL CONTRACTOR SHALL PREPARE THE FLOOR PRIOR TO THE APPLICATION OF FINISH FLOORING. THE CONCRETE SLAB MUST BE SMOOTH AND LEVEL TO WITHIN A TOLERANCE OF ONE-EIGHTH INCH PER FOOT. LATEX CEMENT PATCHING COMPOUND SHALL BE UTILIZED (NO ASPHALT BASED COMPOUNDS).
2. ALL SURFACES WHICH ARE TO RECEIVE A PAINT FINISH SHALL BE PRIMED AND FINISHED IN ACCORDANCE WITH THE WRITTEN SPECIFICATIONS.
3. ALL JOINTS IN GYPSUM BOARD WALLS SHALL BE FINISHED WITH PAPER TAPE 2" WIDE AND THREE COATS OF VINYL DRY OR PREMIXED JOINT COMPOUND. ALL OUTSIDE CORNERS SHALL BE FINISHED WITH METAL CORNER BEADS, TAPED AND SPACKLED. JUST PRIOR TO THE APPLICATION OF THE FIRST COAT OF PAINT, TAPE BANDED SURFACES WITH A DAMP CLOTH IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE FORMED IN SANDING.
4. THE FLOORING CONTRACTOR SHALL INSTALL ALL FLOORING CENTERED IN ROOM U.O.N.
5. FINISH FLOORING INSTALLATION SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES. COORDINATE THE INSTALLATION WITH OTHER TRADES, SUCH AS ELECTRICAL.
6. ALL JOINTS BETWEEN MATERIALS TO BE TIGHT AND CONSTRUCTED IN A NEAT MANNER, SHOWING EFFICIENT COMPETENCE.
7. ALL FINISHES SHALL BE TOUCHED UP TO CORRECT ANY IMPERFECTIONS AFTER INSTALLATION. FUTURE CONTRACTOR SHALL PROVIDE TO THE GENERAL CONTRACTOR ALL MATERIALS FOR TOUCH UP WORK.
8. THE INTENT OF THE FINISH SPECIFICATION IS TO PROVIDE A SATISFACTORY FINISH TO ALL PARTS OF THE WORK. COVER ALL SURFACES THOROUGHLY. IF THE SPECIFIED NUMBER OF COATS DOES NOT ACCOMPLISH THE INTENT, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPLICATION OF ADDITIONAL COATS OF THE SPECIFIED MATERIAL TO GIVE SATISFACTORY COVERAGE.
9. THE FLOORING CONTRACTOR TO CONTACT ARCHITECT PRIOR TO INSTALLATION OF CARPET TILES.
10. CLEAN ALL GLASS SURFACES WITH NON ALCOHOLIC LIQUID DETERGENT AT PROJECT COMPLETION.
11. ALL WALLS TO BE PAINTED P1 U.O.N.
12. ALL H.M. DOOR FRAMES TO BE PAINTED P1, SEMI GLOSS FINISH.
13. ALL SCHLUTER ACCESSORIES TO BE SATIN NICKEL ANODIZED ALUMINUM FINISH.
14. ALL WALL BASE TO BE BT U.O.N.
15. MAINTAIN EXISTING WOOD BASE AND WOOD TRIM. NEW WOOD BASE AND WOOD TRIM TO BE STAINED TO MATCH EXISTING. FIELD VERIFY DIMENSIONS, LOCATIONS AND HEIGHTS.
16. ALL RECOMMENDED ADHESIVES TO BE INSTALLED PER MANUFACTURERS GUIDELINES.
17. ALL EXISTING STAINED WOOD VENEER WILL WORK TO BE REPAIRED AND RETOUCHE AS REQUIRED TO GREATE SATISFACTORY FINISH.



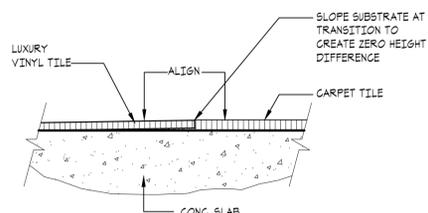
Ⓓ



Ⓒ



Ⓑ



Ⓐ

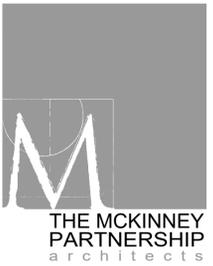
01 FLOORING TRANSITION DETAILS

HALF SCALE

FINISH SCHEDULE

COLOR SELECTIONS ARE FOR BIDDING/PRICING PURPOSES ONLY. FINAL SELECTIONS MADE DURING SUBMITTAL PROCEDURES.

| FINISH CODE | MATERIAL | MANUFACTURER | DESCRIPTION/CATALOG NO. |
|-------------|------------------------------|--|--|
| F1 | WALK-OFF CARPET | INTERFACE CARIESA NENCOMB 409-441-4535 | STYLE: STEP REPEAT 5R04R COLOR: BROWN SIZE: 50CM X 50CM INSTALLATION: MONOLITHIC |
| F2 | LUXURY VINYL TILE | INTERFACE CARIESA NENCOMB 409-441-4535 | STYLE: NATURAL STONES COLOR: BOTTIGNO MARBLE INSTALLATION: NON DIRECTIONAL SIZE: 50CM X 50 CM |
| F3 | CARPET TILE | INTERFACE CARIESA NENCOMB 409-441-4535 | STYLE: HUMAN NATURE HN020 COLOR: SHALE INSTALLATION: ASHLAR |
| F4 | PORCELAIN FLOOR TILE | METROSURFACES PAULA GORDON 409-209-6710 | STYLE: ERASE MATTE COLOR: SAND INSTALLATION: STAGGER GROUT COLOR: MAPEI 01 CHOCOLATE |
| F5 | CARPET TILE | INTERFACE CARIESA NENCOMB 409-441-4535 | STYLE: HUMAN NATURE HN010 COLOR: SHALE INSTALLATION: ASHLAR |
| F6 | CARPET TILE | INTERFACE CARIESA NENCOMB 409-441-4535 | STYLE: HUMAN NATURE HN050 COLOR: SHALE INSTALLATION: ASHLAR |
| F7 | CARPET TILE | INTERFACE CARIESA NENCOMB 409-441-4535 | STYLE: HUMAN NATURE HN040 COLOR: SHALE INSTALLATION: ASHLAR |
| B1 | STAINED WOOD BASE | CUSTOM | MATCH EXISTING WOOD TRIM |
| B2 | RUBBER BASE | TARKETT | TRADITIONAL 4" H WITH TOE COLOR: PEPPERCORN PROVIDE PREMANUFACTURED OUTSIDE CORNERS |
| B3 | PORCELAIN TILE BULLNOSE BASE | METROSURFACES PAULA GORDON 409-209-6710 | STYLE: ERASE MATTE COLOR: SAND SIZE: 9" X 12" INSTALLATION: N/A GROUT COLOR: MAPEI 01 CHOCOLATE |
| P1 | PAINT | SHERWIN WILLIAMS | SW 7547 SANDBAR STANDARD WALL (SATIN @ WALLS, FLAT @ CEILINGS, SEMI-GLOSS @ METAL) |
| P2 | PAINT | SHERWIN WILLIAMS | SW 9612 PERFECT KHAKI STANDARD WALL (SATIN @ WALLS, FLAT @ CEILINGS, SEMI-GLOSS @ METAL) |
| P3 | PAINT | BENJAMIN MOORE BRANDY BEGERRA 409-219-4225 | 1624 NESTSCOTT NAVY STANDARD WALL (SATIN @ WALLS, FLAT @ CEILINGS, SEMI-GLOSS @ METAL) |
| EP1 | EXTERIOR PAINT | | FIELD COLOR: MATCH EXISTING |
| EP2 | EXTERIOR PAINT | | MEDIUM ACCENT COLOR: MATCH EXISTING |
| EP3 | EXTERIOR PAINT | | DARK ACCENT COLOR: MATCH EXISTING |
| Q1 | QUARTZ | CAESAR STONE | COLOR: 6009 COASTAL GREY SIZE: 2CM |
| S1 | WOOD STAIN | CUSTOM | MATCH EXISTING WOOD TRIM |
| M1 | PORCELAIN WALL TILE | METROSURFACES PAULA GORDON 409-209-6710 | STYLE: ERASE MATTE COLOR: SAND SIZE: 12" X 24" INSTALLATION: STAGGER GROUT COLOR: MAPEI 106 WALNUT |
| M2 | CERAMIC WALL TILE | TILE BAR LAUREN SANDERS 409-598-0080 | STYLE: CAVALLO COLOR: SWISS COFFEE SIZE: 7" X 7" INSTALLATION: STACKED GROUT COLOR: 01 ALABASTER |
| M3 | WOOD TRIM | CUSTOM | STAIN TO MATCH (M3) - PROVIDE SAMPLE FOR ARCHITECT'S REVIEW |
| M4 | MANUAL ROLLER SHADES | MECHO SHADE | MECHO/S MANUAL SHADE SYSTEM FABRIC: SOHO 1800 3% OPEN SERIES 1017 ONYX TWEED |
| C1 | ACOUSTICAL CEILING TILE | USG | STYLE: MARS 5LT SIZE: 24"X24" COLOR: FLAT WHITE INSTALLATION: |
| G2 | GYPSUM WALL BOARD, PAINTED | | |



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
mparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
FINISH SCHEDULE, NOTES AND
DETAILS

Sheet Number:

A9.1

SECTION 01 1000 – SUMMARY

- PERFORM WORK WITHIN THE CONTRACT TIME STATED IN THE OWNER/CONTRACTOR AGREEMENT.
- ALL CONSTRUCTION AND COMPONENTS SHALL COMPLY WITH THE ASSOCIATED STANDARDS OF THE APPLICABLE INDUSTRY. ADDITIONALLY, ALL CONSTRUCTION SHALL COMPLY WITH LOCAL, STATE, NATIONAL, AND A.D.A. REQUIREMENTS, CODES AND ORDINANCES.
- COORDINATION:
 - COORDINATE WORK TO ASSURE EFFICIENT AND ORDERLY SEQUENCE OF INSTALLATION OF CONSTRUCTION ELEMENTS, WITH PROVISIONS FOR ACCOMMODATING ITEMS INSTALLED LATER.
 - COORDINATE SPACE REQUIREMENTS FOR MECHANICAL AND ELECTRICAL SYSTEMS. MAKE RUNS PARALLEL WITH LINES OF BUILDING. UTILIZE SPACES EFFICIENTLY, AND MAXIMIZE ACCESSIBILITY FOR MAINTENANCE, REPAIR, AND OTHER INSTALLATIONS.
 - EXECUTE CUTTING AND PATCHING TO INTEGRATE ELEMENTS OF THE WORK. REMOVE ILL-TIMED AND DEFECTIVE WORK AND REPLACE WITH NEW WORK CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

SECTION 01 3100 – PROJECT MEETINGS

- PROGRESS MEETINGS: ATTEND BIWEEKLY PROGRESS MEETINGS CALLED BY THE OWNER/ARCHITECT THROUGHOUT THE PROGRESS OF THE WORK.
- CORDINATE A PRE-INSTALLATION MEETING WHEN IT IS SPECIFIED FOR A CERTAIN PORTION OF THE WORK. REQUIRE ATTENDANCE OF ENTITIES DIRECTLY AFFECTING, OR AFFECTED BY THE WORK OF THE SECTION.

SECTION 01 3300 – SUBMITTAL PROCEDURES

- SUBMITTAL PROCEDURES:
 - REQUIRED SUBMITTALS ARE IDENTIFIED IN THE CONTRACT DOCUMENTS, INCLUDING THOSE THAT REQUIRE APPROVAL BY THE OWNER.
 - CONTRACTOR TO REVIEW AND APPROVE EACH SUBMITTAL PRIOR TO SUBMITTAL TO THE ARCHITECT. UNSIGNED SUBMITTALS WILL BE RETURNED BY THE ARCHITECT.
 - TRANSMIT EACH ITEM TO THE ARCHITECT UNDER THE CONTRACTOR'S STANDARD TRANSMITTAL FORM AS APPROVED BY THE ARCHITECT. INCLUDE PROJECT NAME, CONTRACTOR NAME, SUBCONTRACTOR OR SUPPLIER NAME, AND DRAWING SHEET, DETAIL NUMBER, OR SPECIFICATION NUMBER CORRESPONDING TO THE SUBMITTAL AS APPROPRIATE.
 - MAKE SUBMITTALS AS REQUIRED TO CAUSE NO DELAY IN THE WORK. ALLOW SUFFICIENT TIME FOR POSSIBLE REVISION AND RESUBMITTAL OF REJECTED SUBMITTALS. COORDINATE SUBMITTAL OF RELATED ITEMS.
 - REVISE AND RESUBMIT REJECTED SUBMITTALS AS REQUIRED TO OBTAIN APPROVAL, IDENTIFYING CHANGES MADE SINCE PREVIOUS SUBMITTAL.
- SHOP DRAWINGS, PRODUCT DATA AND SAMPLES:
 - SHOP DRAWINGS:
 - UNLESS SPECIFIED OTHERWISE, SHOP DRAWINGS SHALL SHOW QUANTITIES, MATERIALS, METHODS OF ASSEMBLY, ADJACENT CONSTRUCTION, DIMENSIONS, AND ALL OTHER APPROPRIATE INFORMATION TO FULLY ILLUSTRATE THE WORK.
 - PRODUCT DATA
 - SUBMITTAL TO IDENTIFY APPLICABLE PRODUCTS, MODELS, OPTIONS AND OTHER DATA: SUPPLEMENT MANUFACTURER'S STANDARD DATA TO PROVIDE INFORMATION UNIQUE TO THE WORK.
 - SAMPLES:
 - SUBMIT SAMPLES AS SPECIFIED IN THE TECHNICAL SECTIONS.
 - INCLUDE IDENTIFICATION OF EACH SAMPLE GIVING FULL INFORMATION.
 - SUBMIT THREE SAMPLES, ONE OF WHICH WILL BE RETAINED BY ARCHITECT, UNLESS INDICATED OTHERWISE IN THE TECHNICAL SECTION.

SECTION 01 4000 – QUALITY CONTROL

- STANDARDS: COMPLY WITH INDUSTRY STANDARDS EXCEPT WHEN MORE RESTRICTIVE TOLERANCES OR SPECIFIED REQUIREMENTS INDICATE MORE RIGID STANDARDS OR MORE PRECISE WORKMANSHIP.
- PERFORM ALL WORK TO MEET OR EXCEED THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES, LAWS, REGULATIONS, SAFETY ORDERS, AND DIRECTIVES FROM AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- PERFORM WORK WITH PERSONS QUALIFIED TO PRODUCE WORKMANSHIP OF SPECIFIED QUALITY.
- INSTALL PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE CONFLICT EXISTS BETWEEN MANUFACTURER'S RECOMMENDATIONS AND THE SPECIFIED REQUIREMENTS, NOTIFY THE ARCHITECT IMMEDIATELY.
- EXAMINATION PRIOR TO INSTALLATION:
 - PRIOR TO STARTING WORK, CAREFULLY INSPECT INSTALLED WORK OF OTHER TRADES AND VERIFY THAT SUCH WORK IS COMPLETE TO THE POINT WHERE WORK OF THIS SECTION MAY PROPERLY COMMENCE. NOTIFY THE ARCHITECT IN WRITING OF CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK.
 - DO NOT BEGIN INSTALLATION UNTIL ALL UNSATISFACTORY CONDITIONS ARE RESOLVED. BEGINNING WORK CONSTITUTES ACCEPTANCE OF SITE CONDITIONS AND RESPONSIBILITY FOR DEFECTIVE INSTALLATION CAUSED BY PRIOR OBSERVABLE CONDITIONS.
- SCHEDULE TESTING AND INSPECTION SO THAT THE WORK OF TESTING AND PERSONNEL WILL BE AS CONTINUOUS AND BRIEF AS POSSIBLE.

SECTION 01 5000 – TEMPORARY FACILITIES AND CONTROLS

- TEMPORARY UTILITIES: PROVIDE TEMPORARY UTILITIES, SERVICES, AND CONSTRUCTION AS REQUIRED TO PERFORM THE WORK. COORDINATE ALL TEMPORARY FACILITIES AND CONTROLS WITH THE LANDLORDS ON-SITE REPRESENTATIVE.
 - ELECTRICITY: CONNECT TO EXISTING SERVICE. TENANT TO PAY COSTS OF ENERGY USED AFTER TURNOVER DATE. TAKE MEASURES TO CONSERVE ENERGY.
 - LIGHTING: PERMANENT LIGHTING MAY BE USED DURING CONSTRUCTION. PROVIDE ADDITIONAL TEMPORARY LIGHTING AS REQUIRED. MAINTAIN LIGHTING AND MAKE ROUTINE REPAIRS.
 - HEATING AND VENTILATION: PERMANENT SYSTEM MAY BE USED. THE TENANT SHALL PAY FOR THE COST OF ENERGY USED.
 - WATER: UTILIZE EXISTING FACILITIES. TENANT SHALL PAY FOR WATER USED.
- CONTROLS:
 - DUST CONTROL: PROVIDE POSITIVE METHODS AND APPLY DUST CONTROL MATERIALS TO MINIMIZE RAISING DUST FROM CONSTRUCTION OPERATIONS.
- MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO SITE AND WITHIN SITE TO PROVIDE UNINTERRUPTED ACCESS:
 - TO TEMPORARY CONSTRUCTION FACILITIES, STORAGE, AND WORK AREAS.
 - FOR USE BY PERSONS AND EQUIPMENT INVOLVED IN CONSTRUCTION OF THE PROJECT.
 - FOR USE BY EMERGENCY VEHICLES.
 - TO MINIMIZE IMPACT ON ADJACENT OPERATIONS.
- FIRE SAFETY:
 - COMPLY WITH APPLICABLE PROVISIONS OF LOCAL CODES FOR FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION OPERATIONS.
- TEMPORARY CONSTRUCTION:
 - OBTAIN APPROVAL FROM LANDLORD FOR ALL MODIFICATIONS TO EXISTING SYSTEMS OR FACILITIES NOT INDICATED.
 - REMOVE TEMPORARY SYSTEMS OR FACILITIES WHEN USE IS NO LONGER REQUIRED. CLEAN AND REPAIR DAMAGE CAUSED BY INSTALLATION OR USE OF TEMPORARY SYSTEMS OR FACILITIES.
- CONSTRUCTION CLEANING:
 - CONTROL ACCUMULATION OF WASTE MATERIALS AND RUBBISH. DAILY DISPOSE OF OFF-SITE.
 - MAINTAIN AREAS FREE OF DUST AND OTHER CONTAMINANTS DURING FINISHING OPERATIONS.

SECTION 01 6000 – PRODUCT REQUIREMENTS

- DELIVERY STORAGE AND HANDLING:
 - TRANSPORT AND HANDLE PRODUCTS BY METHODS TO AVOID PRODUCT DAMAGE.
 - MANUFACTURED PRODUCTS SHALL REMAIN IN MANUFACTURER'S CONTAINERS OR PACKAGING UNTIL READY FOR INSTALLATION.
 - UNLESS SPECIFIED OTHERWISE, STORE MANUFACTURED PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- PRODUCT OPTIONS AND SUBSTITUTIONS:
 - FURNISH PRODUCTS SPECIFIED, EXCEPT WHERE "OR APPROVED" IS USED, SUBSTITUTE PRODUCTS MAY BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.
 - SUBSTITUTIONS WILL BE CONSIDERED ONLY FOR THE FOLLOWING REASONS:
 - A PRODUCT BECOMES UNAVAILABLE DUE TO NO FAULT OF THE CONTRACTOR.
 - SUBSEQUENT INFORMATION OR CHANGES INDICATE THAT THE SPECIFIED PRODUCT WILL NOT PERFORM AS INTENDED.
 - A SUBSTITUTE PRODUCT WILL BE IN THE OWNER'S BEST INTEREST OR PROVIDE A COST SAVINGS TO THE OWNER.
- DOCUMENT EACH SUBSTITUTION REQUEST WITH COMPLETE DATA SUBSTANTIATING COMPLIANCE OF PROPOSED SUBSTITUTION WITH CONTRACT DOCUMENTS.
- A SUBSTITUTION REQUEST CONSTITUTES A REPRESENTATION THAT CONTRACTOR:
 - HAS INVESTIGATED PROPOSED PRODUCT AND HAS DETERMINED THAT IT MEETS OR EXCEEDS, IN ALL RESPECTS, THE SPECIFIED PRODUCT.
 - SHALL PROVIDE THE SAME WARRANTY FOR SUBSTITUTION AS FOR SPECIFIED PRODUCT.
 - WILL COORDINATE INSTALLATION AND MAKE OTHER CHANGES, WHICH MAY BE REQUIRED FOR WORK TO BE COMPLETE IN ALL ASPECTS.
 - WAIVES CLAIMS FOR ADDITIONAL COSTS, WHICH MAY SUBSEQUENTLY BECOME APPARENT.
 - AGREES TO PAY ALL COSTS OF REDESIGN RELATED TO THE SUBSTITUTION.
- SUBSTITUTIONS WILL NOT BE CONSIDERED WHEN THEY ARE INDICATED OR IMPLIED ON SHOP DRAWINGS OR PRODUCT DATA SUBMITTALS.
- ARCHITECT WILL DETERMINE ACCEPTABILITY OF PROPOSED SUBSTITUTION, AND WILL NOTIFY CONTRACTOR OF ACCEPTANCE OR REJECTION WITHIN A REASONABLE TIME.

SECTION 01 7350 – PATCHING AND REPAIR

- REPAIR EXISTING SURFACES AND CONSTRUCTION AS NECESSARY TO MAKE WORK COMPLETE, WITH ALL COMPONENTS MATCHING AND CONSISTENT.
- PROVIDE SMOOTH, EVEN, AND INVISIBLE TRANSITION TO NEW CONSTRUCTION. WHEN FINISHED SURFACES ARE CUT SO THAT AN INVISIBLE TRANSITION WITH NEW WORK IS NOT POSSIBLE, TERMINATE EXISTING SURFACE ALONG THE NEAREST BREAK LINE, JOINT, OR CORNER.
- MAJOR PATCHING PROCEDURES SHALL BE REVIEWED WITH THE ARCHITECT, PRIOR TO PROCEEDING.

SECTION 01 7700 – CLOSEOUT PROCEDURES

- FINAL CLEANING:
 - THOROUGHLY CLEAN ALL SURFACES PRIOR TO FINAL ACCEPTANCE.
 - REMOVE WASTE AND SURPLUS MATERIALS, RUBBISH, AND CONSTRUCTION FACILITIES FROM THE SITE.
- PROJECT RECORD DOCUMENTS:
 - MAINTAIN A COMPLETE SET OF RECORD DRAWINGS THAT CLEARLY AND NEATLY INDICATE EXACT INSTALLED LOCATIONS OF ITEMS THAT WILL BE CONCEALED IN THE WORK SUCH AS CONDUIT, PIPING, DUCTS, REINFORCING, MECHANICAL AND ELECTRICAL EQUIPMENT, AND SIMILAR ITEMS. SHOW ALL CHANGES FROM THE CONTRACT DOCUMENTS, AND ALL UNCOVERED EXISTING CONDITIONS THAT WILL BE SUBSEQUENTLY CONCEALED.
 - RECORD DRAWINGS SHALL BE USED FOR NO OTHER PURPOSE AND SHALL BE STORED SEPARATELY FROM THOSE USED FOR CONSTRUCTION.
 - DOCUMENTS SHALL BE IN THE SAME FORMAT AS THE CONSTRUCTION DOCUMENTS.
 - KEEP DOCUMENTS CURRENT; DO NOT PERMANENTLY CONCEAL ANY WORK UNTIL REQUIRED INFORMATION HAS BEEN RECORDED.
 - AT CONTRACT CLOSEOUT, SUBMIT DOCUMENTS WITH TRANSMITTAL LETTER CONTAINING DATE, PROJECT TITLE, CONTRACTOR'S NAME AND ADDRESS, LIST OF DOCUMENTS, AND SIGNATURE OF CONTRACTOR.
 - PROVIDE A LIST OF ALL FINISHES/COLORS/MANUFACTURERS OF ACTUAL INSTALLED MATERIALS.
- OPERATION AND MAINTENANCE DATA:
 - SUBMIT COMPLETE DATA FOR EACH PIECE OF EQUIPMENT AND COMPONENT USED IN THE WORK.
 - SUBMIT OPERATION AND MAINTENANCE DATA FOR MECHANICAL AND ELECTRICAL SYSTEMS.
 - ARRANGE IN A BINDER WITH A SECTION FOR EACH SYSTEM.
- WARRANTIES, GUARANTEES, AND BONDS:
 - SUBMIT ALL MANUFACTURER'S WARRANTIES.
 - FURNISH WRITTEN GUARANTEE, FROM EACH SUBCONTRACTOR PERFORMING WORK COVERED BY THE ADDITIONAL GUARANTEE REQUIREMENTS SPECIFIED IN THE TECHNICAL SECTIONS. UNLESS SPECIFIED OR APPROVED OTHERWISE, THE GUARANTEE SHALL COMMENCE ON THE DATE OF SUBSTANTIAL COMPLETION.
 - EACH GUARANTEE SHALL BE SIGNED, AND SHALL STATE THAT THE WORK UNDER GUARANTEE WAS INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND THAT THE WORK WILL BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIAL FOR THE PERIOD OF TIME SPECIFIED, AND THAT ALL DEFECTS WILL BE PROMPTLY REPAIRED WITHOUT ADDITIONAL COST TO THE OWNER. SPARE PARTS AND MAINTENANCE MANUALS: FURNISH PRODUCTS, SPARE PARTS, AND MAINTENANCE MATERIALS IN QUANTITIES SPECIFIED IN EACH SECTION, IN ADDITION TO THAT USED FOR CONSTRUCTION OF WORK.
- ATTIC STOCK: CONTRACTOR TO PROVIDE THE FOLLOWING ITEMS TO REMAIN ON STORAGE ROOM SHELVES:
 - 12 PC. OF EACH VINYL TILE
 - 50' OF RESILIENT BASE
 - 2 BOXES OF CEILING TILE
 - 12 PC. OF EACH CARPET TILE
 - 1 GAL. OF EACH COLOR OF PAINT/STAIN
 - 1 BOX OF CERAMIC TILE

SECTION 02225 – SELECTIVE DEMOLITION

- DEMOLISH IN AN ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE THE WORK. WHERE DEMOLITION EXCEEDS THAT INDICATED, VERIFY SUCH DEMOLITION WITH THE ARCHITECT PRIOR TO PROCEEDING. DEMOLITION WORK SHALL BE COORDINATED WITH THE LANDLORDS ON-SITE REPRESENTATIVE.
- PROTECT EXISTING STRUCTURAL MEMBERS. CONTACT THE ARCHITECT PRIOR TO MODIFYING STRUCTURAL MEMBERS BEYOND THE EXTENT INDICATED. CEASE OPERATIONS AND NOTIFY THE ARCHITECT IMMEDIATELY IF CONTINUED DEMOLITION OPERATIONS MIGHT ENDANGER THE EXISTING STRUCTURE.
- DURING DEMOLITION OPERATIONS, NOTIFY THE ARCHITECT OF ALL CONDITIONS THAT DIFFER SUBSTANTIALLY FROM THOSE INDICATED, SPECIFIED, OR EXPECTED. NOTIFY THE ARCHITECT IF PREVIOUSLY UNKNOWN OPERATIONAL, OR POTENTIALLY OPERATIONAL ELEMENTS, ARE UNCOVERED DURING DEMOLITION OPERATIONS. PERFORM NO DEMOLITION IN SUCH AREAS, UNLESS APPROVED BY THE ARCHITECT.
- PROVIDE TEMPORARY SHORING AS REQUIRED TO SUPPORT EXISTING CONSTRUCTION AGAINST MOVEMENT OR OVERLOAD DURING DEMOLITION OPERATIONS, UNTIL PERMANENT SUPPORTS ARE IN PLACE.
- EXCEPT WHERE NOTED OR SPECIFIED OTHERWISE, TAKE POSSESSION OF MATERIALS BEING DEMOLISHED, AND IMMEDIATELY REMOVE FROM SITE. DO NOT OVERLOAD EXISTING CONSTRUCTION TO REMAIN WITH DEMOLISHED MATERIALS.
- CAREFULLY REMOVE, STORE, AND PROTECT ALL MATERIALS AND COMPONENTS TO BE REUSED.
- WHERE POSSIBLE WITHOUT DAMAGE, REMOVE, STORE, AND PROTECT EXISTING MATERIALS AND COMPONENTS NOT NOTED FOR REMOVAL, WHICH IF REMOVED, WOULD FACILITATE THE NEW CONSTRUCTION AND RECONSTRUCTION.
- CAREFULLY REMOVE, PROTECT, AND TURN OVER AS DIRECTED, MATERIALS AND COMPONENTS CLAIMED BY THE OWNER FOR SALVAGE. PRIOR TO DEMOLITION, CONTACT THE OWNER TO DETERMINE WHICH ITEMS WILL BE CLAIMED.
- WHERE CUT EDGES OF THE EXISTING CONSTRUCTION WILL BE VISIBLE IN THE COMPLETED WORK, CUT IN UNIFORM STRAIGHT LINES. CONCRETE OR MASONRY SHALL BE SAW CUT, OR CORE DRILLED.
- REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED, AT NO ADDITIONAL COST TO THE OWNER.
- UTILITY LINE DEMOLITION:
 - VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO DEMOLITION. COORDINATE ANY REQUIRED UTILITY SERVICE INTERRUPTIONS WITH THE LANDLORD'S ON-SITE REPRESENTATIVE.
 - ABANDONED UNDERSLAB CONDUIT SHALL BE CUT OFF BELOW THE FINISHED SURFACE LINE, AND ALL CONDUCTORS SHALL BE REMOVED. PATCH AND FILL THE OPENING FLUSH WITH THE FINISH.
 - ABANDONED ELECTRICAL CONDUCTORS SHALL BE REMOVED BACK TO THE BRANCH CIRCUIT PANEL, UNLESS INDICATED OTHERWISE. ABANDONED CIRCUIT WHICH IS EXPOSED AND READILY ACCESSIBLE SHALL BE REMOVED. LEAVE ABANDONED CIRCUIT WHICH IS CONCEALED IN EXISTING CONSTRUCTION TO REMAIN. CAP ALL EXPOSED ENDS.
 - INDICATE LOCATION OF DISCONNECTED UTILITIES ON THE PROJECT RECORD DRAWINGS AS SPECIFIED IN SECTION 01770.

- LEAVE SITE IN A CONDITION ACCEPTABLE TO THE OWNER AT ALL TIMES. REMOVE DEMOLISHED MATERIALS FROM SITE DAILY AS WORK PROGRESSES. DO NOT OVERLOAD EXISTING STRUCTURE WITH DEMOLISHED MATERIALS.
- REMOVAL OF EXISTING BONDED FLOOR FINISHES:
 - SCRAPE, GRIND AND OTHERWISE REMOVE EXISTING FLOOR FINISH AND BONDING MATERIALS AS NECESSARY TO RECEIVE NEW FLOOR FINISHES.
 - PREPARED SURFACE SHALL PRESENT A UNIFORM FLAT SURFACE READY TO RECEIVE THE NEW FLOOR FINISHES FREE OF TELEGRAPHING AND OTHER SURFACE IRREGULARITIES.
 - NEW FLOOR FINISHES SHALL NOT BE INSTALLED OVER EXISTING FLOOR FINISH MATERIALS UNLESS APPROVED OTHERWISE.

SECTION 03000 – CONCRETE SLAB REPAIR

- QUALITY ASSURANCE: PERFORM WORK IN ACCORDANCE WITH ACI 301, AS APPLICABLE.
- CONCRETE MATERIALS:
 - CEMENT: ASTM C150, NORMAL – TYPE 1 PORTLAND CEMENT; GREY COLOR.
 - NORMAL WEIGHT FINE AND COARSE AGGREGATES: ASTM C33
 - ACCELERATOR: ASTM C 494, TYPE C OR E, NON-CORROSIVE, NON-CHLORIDE.
- CONCRETE MIX: IN ACCORDANCE WITH ASTM C94, MINIMUM 3000 PSI 28 DAY COMPRESSIVE STRENGTH.
- REINFORCING:
 - REINFORCING STEEL: ASTM C615, GRADE 40, UNLESS INDICATED OTHERWISE.
 - CHAIRS, BOLSTERS, BAR SUPPORTS, AND SPACERS: SIZED AND SHAPED FOR STRENGTH AND SUPPORT OF REINFORCEMENT DURING INSTALLATION AND PLACEMENT OF CONCRETE.
 - FABRICATE AS INDICATED AND IN ACCORDANCE WITH ACI 315.
 - DOWEL INTO EXISTING SLAB AT MINIMUM 18 INCHES ON CENTER BUT IN NOT LESS THAN 2 PLACES ALONG LONG SIDE OF CONCRETE PATCH AREA.
 - E. PLACE, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT.
 - F. LOCATE REINFORCING SPLICES NOT INDICATED ON THE DRAWINGS AT POINTS OF MINIMUM STRESS.
- PLACEMENT:
 - COORDINATE WITH OTHER TRADES FOR INSTALLATION AND BEDDING OF UTILITIES.
 - LIGHT STEEL TROWEL FINISH INTERIOR FLOOR SLAB SURFACES TO MATCH EXISTING ADJACENT FINISH.
- CURING: MOISTURE CURE CONCRETE FOR A MINIMUM OF 7 DAYS, UNLESS APPROVED OTHERWISE.

SECTION 03001 – CONCRETE

- SUMMARY: CAST IN PLACE CONCRETE, INCLUDING REINFORCING, ACCESSORIES, AND FORMWORK.
 - QUALITY ASSURANCE:
 - PERFORM WORK IN ACCORDANCE WITH ACI 301, UNLESS INDICATED OR SPECIFIED OTHERWISE.
 - SUBMIT PROPOSED MIX DESIGN OF EACH CLASS OF CONCRETE TO APPOINTED FIRM FOR REVIEW PRIOR TO COMMENCEMENT OF WORK.
 - CONCRETE WORK IS SUBJECT TO SPECIAL TESTING AND INSPECTION. NOTIFY ARCHITECT AT LEAST 48 HOURS BEFORE CONCRETE IS POURED.
 - SUBMITTALS:
 - PRODUCT DATA: SUBMIT DATA FOR EACH ACCESSORY, ADMIXTURE, AND CURING MATERIAL PROPOSED FOR THE WORK.
 - MIX DESIGNS: PRIOR TO CONCRETE WORK, SUBMIT MIX DESIGNS FOR APPROVAL.
 - MATERIALS:
 - UNLESS SPECIFIED OTHERWISE, CONFORM TO ACI 301.
 - CONCRETE MATERIALS:
 - CEMENT: ASTM C150, NORMAL – TYPE 1 PORTLAND CEMENT; GREY COLOR.
 - NORMAL WEIGHT FINE AND COARSE AGGREGATES: ASTM C33; SEVERE WEATHER EXPOSURE.
 - REINFORCING STEEL: ASTM C615, GRADE 40.
 - CHAIRS, BOLSTERS, BAR SUPPORTS, AND SPACERS: PLASTIC; SIZED AND SHAPED FOR STRENGTH AND SUPPORT OF REINFORCEMENT DURING INSTALLATION AND PLACEMENT OF CONCRETE.
 - E. WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE.
 - ADMIXTURES:
 - AIR-ENTRAINMENT: ASTM C 260.
 - WATER REDUCER NORMAL: ASTM C 494, TYPE A.
 - ACCELERATOR: ASTM C 494, TYPE C OR E, NON-CORROSIVE, NON-CHLORIDE.
 - HIGH RANGE WATER REDUCER (SUPERPLASTICIZER): ASTM C 494, TYPE F OR G AND SHALL BE OF THE SECOND OR THIRD GENERATION TYPE. SHALL BE BATCH PLANT ADDED TO EXTEND PLASTICITY TIME, AND REDUCE WATER 20 TO 30 PERCENT.
 - ACCESSORIES:
 - PREFORMED JOINT FILLERS:
 - NON-EXTRUDING TYPE: ASTM D1751: SONNEBORN "SONOFLEX CANEFIBER," THE BURKE COMPANY "FIBER EXPANSION JOINT," OR APPROVED EQUAL.
 - JOINT CAP: STRIPPABLE PLASTIC TYPE: W.R. MEADOWS "SEAL TIGHT SNAP-CAP." WIDTH TO MATCH EXPANSION JOINT FILLER MATERIAL.
 - BONDING AGENT: A TWO-COMPONENT MOISTURE INSENSITIVE, 100% SOLIDS EPOXY ADHESIVE WITH A SHEAR BOND TO CONCRETE STRENGTH OF OVER 1400 PSI.
 - NON-SHRINK GROUTS: NON-CATALYZED NATURAL AGGREGATE GROUT; MINIMUM 7000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
 - FORM RELEASE AGENT: THAT WILL NOT BOND WITH, STAIN, OR ADVERSELY AFFECT CONCRETE SURFACES, AND WILL NOT IMPAIR SUBSEQUENT TREATMENTS OF CONCRETE SURFACES WHEN APPLIED TO MOST FORMS OR FORM LINERS.
 - CURING MATERIALS:
 - WATERPROOF SHEET MATERIAL: WATERPROOF PAPER IN ACCORDANCE WITH ASTM C171: REINFORCED WATERPROOF KRAFT PAPER; WHITE COLOR AT EXTERIOR APPLICATIONS; BURKE KRAFT PAPER TYPE 1-SK-30, OR APPROVED EQUAL.
 - CURING COMPOUND: ASTM C309; MOISTURE LOSS NOT MORE THAN 0.055 GR./SQ.CM. WHEN APPLIED IN A SINGLE COAT MANUFACTURER'S RECOMMENDED RATE.
- CONCRETE MIX:
 - MIX CONCRETE IN ACCORDANCE WITH ASTM C94, AND IN ACCORDANCE WITH THE REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS: MINIMUM 3000 PSI 28 DAY COMPRESSIVE STRENGTH.
 - PROVIDE CONCRETE WITH A WATER/CEMENT RATIO OF 0.45 OR LOWER AT ALL INTERIOR SLABS.
 - ALL CONCRETE SHALL CONTAIN THE SPECIFIED WATER REDUCING OR HIGH RANGE WATER-REDUCING ADMIXTURE.
 - ALL SLABS PLACED AT AMBIENT TEMPERATURES BELOW 50 DEGREES F SHALL CONTAIN THE SPECIFIED ACCELERATOR.
 - ALL CONCRETE REQUIRED TO BE AIR ENTRAINED SHALL CONTAIN AIR-ENTRAINING ADMIXTURE TO PRODUCE 4% TO 6% AIR.
- REINFORCEMENT:
 - FABRICATE AS INDICATED AND IN ACCORDANCE WITH ACI 315.
 - PLACE, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT.
 - LOCATE REINFORCING SPLICES NOT INDICATED ON THE DRAWINGS AT POINTS OF MINIMUM STRESS.
- SLABS:
 - CONTROL JOINTS:
 - MAKE JOINTS STRAIGHT: PERPENDICULAR, OR PARALLEL TO BUILDING LINES AND SLAB EDGES AS APPROPRIATE
 - CONTROL JOINTS SHALL BE SAW CUT, TOOLED, UNLESS INDICATED OTHERWISE.
 - RADIUS TOOLED CONTROL JOINTS TO MATCH EXPANSION JOINTS.
 - CONTROL JOINTS SHALL PENETRATE THE SLAB A MINIMUM OF $\frac{1}{4}$ THE THICKNESS OF THE SLAB AND SHALL BE $\frac{1}{4}$ INCH WIDE AT SIDEWALKS.
 - AT EXTERIOR SIDEWALKS, PLACE CONTROL JOINTS AT MAXIMUM 5 FOOT INTERVALS.
 - CONSTRUCTION JOINTS: PLACE AT EITHER EXPANSION OR CONTROL JOINT LOCATIONS.
 - SLAB FINISHES:
 - INTERIOR SLABS: FULL TROWEL.
 - SLAB TOLERANCES: SLABS: CLASS B IN ACCORDANCE WITH ACI 301.
 - SLAB PATCHING:
 - DOWEL INTO EXISTING SLAB AT MINIMUM 18 INCHES ON CENTER, BUT IN NOT LESS THAN 2 PLACES ALONG LONG SIDE OF CONCRETE PATCH AREA.
 - E. PLACE, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT.
 - COORDINATE WITH OTHER TRADES FOR INSTALLATION AND BEDDING OF UTILITIES.
 - LIGHT STEEL TROWEL FINISH INTERIOR FLOOR SLAB SURFACES TO MATCH EXISTING ADJACENT FINISH.
- USE WATERPROOF SHEET MATERIAL AT SURFACES TO RECEIVE SUBSEQUENT BONDED FINISH MATERIALS. A CURING COMPOUND MAY BE USED ON SURFACES TO RECEIVE SUBSEQUENT BONDED FINISH MATERIALS, PROVIDED THE CURING COMPOUND IS APPROVED IN WRITING BY THE MANUFACTURER OF THE ADHESIVE OR THE BONDING FINISH MATERIAL. CURING COMPOUND MAY ALSO BE USED ON THE SURFACES TO RECEIVE SUBSEQUENT BONDED FINISH MATERIALS, PROVIDED THE CURING COMPOUND IS REMOVED WITH SHOT BLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF BONDED MATERIALS.

SECTION 05 4000 – COLD FORMED METAL FRAMING

- SECTION INCLUDES: METAL FRAMING AND METAL SUSPENSION SYSTEMS
- QUALITY ASSURANCE:
 - LATERALLY BRACE SOFFITS AND PARTITIONS TO RESIST LATERAL LOADS AS REQUIRED BY APPLICABLE CODES.
 - DELIVER MATERIALS IN ORIGINAL UNOPENED CONTAINERS OR BUNDLES AND STORE IN A PLACE PROTECTED FROM DAMAGE AND EXPOSURE.
- FRAMING MATERIALS:
 - STUDS: 2", 3 5/8", 6" AND 8" SCREW-TYPE, PUNCHED CEE-SHAPED ROLL FORMED ELECTRO-GALVANIZED STEEL SHEET, 20 GAUGE U.O.N. OR UNLESS SPECIFIED AS RECOMMENDED BY THE MANUFACTURER FOR SPANS AND LOADS ANTICIPATED.
 - RUNNERS: CHANNEL PROFILE WITH 1 1/4 INCH HIGH LEGS, DEPTH TO MATCH STUDS, UNPUNCHED.
 - FURRING CHANNELS: SCREW-TYPE, HAT SHAPED, 2 3/4" DEEP WITH 1/2" WIDE FLANGE, 25 GAUGE ELECTRO-GALVANIZED STEEL SHEET, ROLL-FORMED, WITH SPECIAL CLIPS.
 - CARRYING CHANNELS: HOT OR COLD ROLLED, RUST INHIBITIVE PAINTED, 1/2", MINIMUM WEIGHT 0.475/1/F.
 - WIRE: GALVANIZED ANNEALED STEEL; MINIMUM 9 GAUGE FOR HANGERS 16 GAUGE FOR TIES.
 - FASTENERS:
 - PROVIDE AS RECOMMENDED BY MANUFACTURER OR REFERENCED STANDARDS.
 - FOR FLOOR RUNNER: 1" DIAMETER EXPANSION BOLTS, OR 1" MIN. LENGTH POWER DRIVEN FASTENERS MAY BE USED (WHERE PERMITTED BY CODE).
 - SLOTTED DEFLECTION TRACK: ONE PIECE SYSTEM.
 - UNISTRUT:
 - ALL CHANNEL MEMBERS SHALL BE FABRICATED FROM STRUCTURAL GRADE STEEL CONFORMING TO ASTM A1011, SS GRADE 33 OR A655 GRADE 33.
 - ALL FITTINGS SHALL BE FABRICATED FROM STEEL THAT MEETS OR EXCEEDS ASTM A1011 SS.
 - REFER TO DRAWINGS FOR LOCATIONS AND PART NUMBER(S).
- INSTALLATION:
 - METAL FRAMING: ERECT METAL FRAMING IN ACCORDANCE WITH REFERENCED STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE STUD SPACING AT 16" ON CENTER AND 1'-0" MAX. FROM ENDS UNLESS OTHERWISE SHOWN;
 - DO NOT EXCEED MAXIMUM UNBRACED HEIGHT RECOMMENDED BY MANUFACTURER.
 - ISOLATE STUD SYSTEM FROM TRANSFER OF STRUCTURAL LOADING TO SYSTEM, BOTH HORIZONTALLY AND VERTICALLY.
 - PROVIDE SLIP OFF CUSHIONED TYPE JOINTS TO ATTAIN LATERAL SUPPORT AND AVOID AXIAL LOADING.
 - FLOOR RUNNERS: SPACE FASTENERS 4" FROM ENDS OF EACH PIECE; MAXIMUM 24" ON CENTER INTERMEDIATE; MINIMUM OF 2 FASTENERS PER PIECE OF RUNNER.
 - COORDINATE INSTALLATION OF BLOCKS, ANCHORS, BLOCKING, ELECTRICAL AND MECHANICAL WORK WHICH IS TO BE PLACED IN OR BEHIND PARTITION FRAMING AS REQUIRED.
 - CEILING FRAMING INSTALLATION:
 - COORDINATE LOCATION OF HANGERS WITH OTHER WORK; INSTALL CEILING FRAMING INDEPENDENT OF ABOVE CEILING WORK.
 - SPACE MAIN CARRYING CHANNELS AND HANGERS 48" MAX. ON CENTER, UNLESS OTHERWISE INDICATED, AND NOT MORE THAN 6" FROM PERIMETER WALLS.
 - LAP SPLICES 12" MIN. AND SECURE TOGETHER 2" FROM EACH END OF SPLICE.
 - PLACE GYPSUM BOARD FURRING CHANNELS PERPENDICULAR TO CARRYING CHANNELS AT 24" ON CENTER MAX. AND 2" FROM PERIMETER WALLS. LAP SPLICES 8" MIN.
 - INSTALL FURRING CHANNEL CLIPS ON ALTERNATE SIDES OF 1/2" CARRYING CHANNELS.
 - WIRE TIE FURRING CHANNELS TO 1/2" CARRYING CHANNEL WITH DOUBLE STRAND 16 GAUGE, GALVANIZED STEEL WIRE IN AREAS WHERE CLIPS CANNOT BE ALTERNATED, INCLUDING LIGHT TROFFERS, DIFFUSERS, OPENINGS, AND INTERSECTING WALLS.
 - SUSPENSION MEMBERS FOR ENTRANCE SOFFIT SHALL BE CAPABLE OF SUPPORTING AND CATWALK, WHERE ACCESS TO FURRED SPACE IS REQUIRED FOR ROLLING GRILL, SIGNAGE, OR HVAC EQUIPMENT.
 - REINFORCE OPENINGS IN SUSPENSION SYSTEMS WHICH INTERRUPT MAIN CARRYING CHANNELS OF FURRING CHANNELS, WITH LATERAL CHANNEL BRACING; EXTEND BRACING 24" MIN. PAST EACH END OF OPENINGS.
 - LATERALLY BRACE ENTIRE SUSPENSION SYSTEM WHERE REQUIRED BY APPLICABLE BUILDING CODES AND ORDINANCES AND AS INDICATED ON DRAWINGS.
 - MANUFACTURED UNITS:
 - FASTENERS: AS RECOMMENDED BY FRAMING MANUFACTURER.
 - TOUCH UP PAINT: SSPC PAINT 20, TYPE I OR II.
 - WELDING MATERIALS: AWS D1.1; TYPE REQUIRED FOR MATERIALS BEING WELDED.

SECTION 05 5010 – PLASTIC BOLLARD COVERS

- ACCEPTABLE MANUFACTURERS:
 - MANUFACTURERS
 1. CAL PIPE SECURITY BOLLARDS OR EQUAL
- MATERIALS:
 - 1" PLASTIC BOLLARD COVER: POLYETHYLENE THERMOPLASTIC (HDPE) TUBES HAVING ULTRA-VIOLET RESISTANCE AND ANTI STATIC PROPERTIES, NORMAL THICKNESS 0.250 INCHES. COLOR SHALL BE AS SHOWN ON THE DRAWINGS. SIZE COVERS FOR PIPE DIAMETERS.
- BUMPER POST SLEEVES:
 - PROVIDE ORIGINAL BUMPER POST SLEEVES COMPLYING WITH THE FOLLOWING REQUIREMENTS:
 - DOME TOP LOW-DENSITY POLYETHYLENE THERMOPLASTIC NOMINAL THICKNESS 0.250 INCH.
 - SLEEVE TO SHIELD PIPE DIAMETER: 8 AND 12 INCH.
 - SLEEVE HEIGHT: AS SHOWN ON DRAWINGS.
 - SLEEVE COLOR: AS SELECTED BY ARCHITECT FROM STANDARD PANTONE COLORS.
 - SYMBOL OR LOGO: NA
 - SURFACE OF SLEEVE TO BE SMOOTH WITH ROUND TOP, NO RIBBED OR TWO PIECE SYSTEM ACCEPTED.
 - SECURE WITH MANUFACTURER'S NEOPRENE ADHESIVE TAPE; NO SCREWS, GLUE OR CLAMPING WILL BE ACCEPTABLE.
- INSTALLATION:
 - BUMPER POST SLEEVE: INSTALL WITH MANUFACTURER'S NEOPRENE ADHESIVE TAPE PER MANUFACTURER'S INSTALLATION GUIDELINES.

SECTION 06 1000 – ROUGH CARPENTRY

- QUALITY ASSURANCE:
 - REGULATORY REQUIREMENTS: WORK SHALL CONFORM TO/MEET OR EXCEED THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES, LAWS, REGULATIONS, SAFETY ORDERS, AND DIRECTIVES FROM AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- MATERIALS:
 - LUMBER:
 - ALL WOOD TO RECEIVE FIRE RETARDANT TREATMENT: IN ACCORDANCE WITH AWPA C20.
 - PLYWOOD:
 - PANEL GRADE: RATED SHEATHING.
 - ALL WOOD TO RECEIVE FIRE RETARDANT TREATMENT: IN ACCORDANCE WITH AWPA C27.
 - TERMINAL BACKBOARDS: APA AC GRADE EXTERIOR: FIRE RETARDANT TREATED.
 - WOOD BLOCKING: INSTALL WOOD BLOCKING TO RECEIVE MECHANICAL FASTENERS FOR SUPPORT OF PLUMBING AND ELECTRICAL FIXTURES AND EQUIPMENT, CABINETS, DOOR STOP PLATES, AND ALL OTHER WALL AND CEILING MOUNTED COMPONENTS.
- ACCESSORIES:
 - FASTENERS: TYPE AND SIZE AS REQUIRED BY CONDITIONS OF USE; GALVANIZED STEEL OR ALUMINUM FOR EXTERIOR USE, PLAIN STEEL OR ALUMINUM FOR INTERIOR USE.
- EXECUTION:
 - PRESERVATIVE TREATMENT:
 - TREAT WOOD IN FOLLOWING LOCATIONS:
 - WHERE IN CONTACT WITH ROOFING AND RELATED FLASHINGS.
 - WHERE IN CONTACT WITH CEMENTITIOUS MATERIALS.
 - LUMBER: TREAT IN ACCORDANCE WITH AWPA C2 USING WATERBORNE PRESERVATIVE, WITH RETENTION OF 0.25 PERCENT.
 - PLYWOOD: TREAT IN ACCORDANCE WITH AWPA C9 USING WATERBORNE PRESERVATIVE
 - FIRE RETARDANT TREATMENT:
 - TREAT INTERIOR WOOD.
 - LUMBER: TREAT IN ACCORDANCE WITH AWPA C20.
 - PLYWOOD: TREAT IN ACCORDANCE WITH AWPA C27.
 - INTERIOR APPLICATIONS: INTERIOR TYPE B.



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

SPECIFICATIONS

Sheet Number:

SP1

SECTION 06200 – FINISH CARPENTRY

- 1. MATERIALS:
A. LUMBER: CLOSED GRAIN SOFTWOOD, GRADED IN ACCORDANCE WITH AWI REQUIREMENTS, AVERAGE MOISTURE CONTENT OF 6 PERCENT, OF QUALITY SUITABLE FOR OPAQUE FINISH.
B. PLYWOOD: PARTICLEBOARD, VENEER, OR MEDIUM DENSITY FIBERBOARD CORE WITH SOFTWOOD FACES, OF QUALITY SUITABLE FOR OPAQUE FINISH.
2. ACCESSORIES:
A. ROUGH HARDWARE: TYPE AND SIZE AS REQUIRED BY CONDITIONS OF USE.
B. ADHESIVE: SOLVENT RELEASE TYPE, COMPATIBLE WITH SUBSTRATE MATERIALS.
3. EXECUTION:
A. INTERIORITY: STANDING AND RUNNING TRIM:
1. QUALITY: AWI CUSTOM GRADE – MATCH EXISTING.
B. TRIM BOARD:
1. QUALITY: AWI SELECT FINISH GRADE.
2. TYPE: 2X4 SELECT FINISH GRADE PINE ANCHOR TRIM.
3. INSTALLATION: FILL AND SAND SMOOTH ALL NAIL AND SCREW HOLES. PAINT TO MATCH WALLS. HOLD BACK 2”-4” FROM ALL OPENINGS.
C. SHELVING:
1. QUALITY: AWI ECONOMY GRADE.
2. CONSTRUCTION: WHITE HPL MELAMINE FINISH.
3. STANDARDS AND BRACKETS: DRILLED BULKHEADS WITH PIN MOUNT.

SECTION 06400 – MILLWORK AND CABINET WORK

- 1. SUMMARY: WOOD CABINETS, FLUSH WOOD PANELING AND COLUMN COVERS, WOOD STILE AND RAIL DOORS, WOOD FRAMES AND JAMBS, SHOP FINISHING OF WOODWORK, INSTALLATION OF WOODWORK FABRICATED UNDER THIS SECTION AND BY OTHERS.
A. INTERIOR ARCHITECTURAL WOODWORK INCLUDES WOOD FURRING, BLOCKING, SHIMS, AND HANGING STRIPS, UNLESS CONCEALED WITHIN OTHER CONSTRUCTION BEFORE WOODWORK INSTALLATION.
2. SUBMITTALS:
A. PRODUCT DATA: CABINET HARDWARE AND ACCESSORIES, FINISHING MATERIALS AND PROCESSES.
B. SHOP DRAWINGS: INCLUDE LOCATION OF EACH ITEM, PLANS AND ELEVATIONS, LARGE-SCALE DETAILS, ATTACHMENT DEVICES, PARTS AND MATERIALS LIST, AND OTHER COMPONENTS.
C. SAMPLES: LUMBER AND PANEL PRODUCTS FOR TRANSPARENT FINISH, FOR EACH SPECIES AND CUT, FINISHED ON ONE SIDE AND ONE EDGE.
3. QUALITY ASSURANCE:
A. AWI ARCHITECTURAL WOODWORK QUALITY STANDARDS FOR GRADES OF INTERIOR ARCHITECTURAL WOODWORK, CONSTRUCTION, FINISHES, AND OTHER REQUIREMENTS.
B. NWDQA QUALITY STANDARD: NWDQA I.S.6, INDUSTRY STANDARD FOR STILE AND RAIL DOORS.
4. PROJECT CONDITIONS: DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET WORK IS COMPLETE, AND HVAC SYSTEM IS OPERATING AND MAINTAINING TEMPERATURE AND RELATIVE HUMIDITY AT LEVELS PLANNED FOR BUILDING OCCUPANTS DURING THE REMAINDER OF THE CONSTRUCTION PERIOD.
5. MATERIALS:
A. WOOD FOR TRANSPARENT FINISH: SPECIES AND CUT AS INDICATED IN DRAWINGS.
B. WOOD FOR PAINT FINISH: SPECIES AS INDICATED IN DRAWINGS.
C. WOOD PRODUCTS:
1. HARDBOARD: AHA A135.4.
2. MEDIUM DENSITY FIBERBOARD: ANSI A208.2.
3. PARTICLEBOARD: ANSI A208.1, GRADE M-2-EXTERIOR GLUE.
4. HARDWOOD PLYWOOD AND FACE VENEERS: HPVA HP-1.
D. THERMOSET DECORATIVE OVERLAYS: PARTICLEBOARD OR MEDIUM-DENSITY FIBERBOARD WITH SURFACE OF THERMALLY FUSED, MELAMINE IMPREGNATED DECORATIVE PAPER COMPLYING WITH LMA SAT-1.
E. HIGH-PRESSURE DECORATIVE LAMINATE: NEMA LD 3.
F. QUARTZ, ZCM.
6. HARDWARE AND ACCESSORIES:
A. PROVIDE CABINET HARDWARE AND ACCESSORY MATERIALS FOR A COMPLETE INSTALLATION OF ARCHITECTURAL WOODWORK, EXCEPT FOR THOSE ITEMS SPECIFIED IN DIVISION 8 SECTION – DOOR HARDWARE.
B. HARDWARE STANDARD: COMPLY WITH BHMA A156.9 FOR ITEMS INDICATED BY REFERENCING BHMA NUMBERS OR ITEMS REFERENCED TO THIS STANDARD.
C. FRAMELESS CONCEALED HINGES (EUROPEAN TYPE):
1. PROVIDE 170 DEGREE MINIMUM OPENING CAPABILITIES. FOR END DOORS PERPENDICULAR TO WALLS, PROVIDE 90 DEGREE TYPE.
2. FOR DOORS 32 INCHES HIGH OR LESS, PROVIDE 2 PAIR OF HINGES, AND 1/2 PAIR FOR EVERY ADDITIONAL 20 INCHES.
D. CATCHES: MAGNETIC, BHMA A156.9, B03141.
E. SHELF RESTS: BHMA A156.9, B04013.
F. DRAWER SLIDES FOR CUSTOM GRADE CABINETS: U.O.N. PROVIDE POSITIVE STOP, SIDE-MOUNTED, FULL-EXTENSION, ZINC-PLATED STEEL DRAWER SLIDES WITH STEEL BALL BEARINGS.
G. MUTES: RUBBER, APPROXIMATELY 1/2 INCH DIAMETER, COLOR COMPATIBLE WITH ADJACENT FINISH.
H. DOOR AND DRAWER LOCKS:
1. PIN AND TUMBLER SLIDE BOLT LOCK, TWO KEYS EACH.
2. KEY ALL LOCKS INSIDE ONE ROOM ALIKE AND PROVIDE MASTER KEY FOR ALL LOCKS IN PROJECT.
3. FINISH TO MATCH ADJACENT PULL, OR AS SELECTED BY ARCHITECT.
I. EXPOSED HARDWARE FINISHES: COMPLYING WITH BHMA A156.18 FOR BHMA FINISH NUMBER INDICATED.
1. SATIN CHROMIUM PLATED: BHMA 626 FOR BRASS AND BRONZE BASE, BHMA 652 FOR STEEL BASE.
7. INSTALLATION MATERIALS: FURRING, BLOCKING, SHIMS, AND HANGING STRIPS: SOFTWOOD OR HARDWOOD LUMBER, DRIED TO LESS THAN 15 PERCENT MOISTURE CONTENT.
8. FABRICATION:
A. COMPLETE FABRICATION TO MAXIMUM EXTENT POSSIBLE BEFORE SHIPMENT TO PROJECT SITE. WHERE NECESSARY FOR FITTING AT SITE, PROVIDE ALLOWANCE FOR SCRIBING, TRIMMING, AND FITTING.
B. INTERIOR WOODWORK GRADE: CUSTOM COMPLYING WITH THE REFERENCED QUALITY STANDARD.
C. SHOP CUT OPENINGS TO MAXIMUM EXTENT POSSIBLE. SAND EDGES OF CUTOUTS TO REMOVE SPLINTERS AND BURRS.
D. SEAL EDGES OF OPENINGS IN COUNTERTOPS WITH A COAT OF VARNISH.
E. BACKOUT OR GROOVE BACKS OF FLAT TRIM MEMBERS AND KERF BACKS OF OTHER SIDE, FLAT MEMBERS, EXCEPT FOR MEMBERS WITH ENDS EXPOSED IN FINISHED WORK.
F. ASSEMBLE CASINGS IN PLANT EXCEPT WHERE LIMITATIONS OF ACCESS TO PLACE OF INSTALLATION REQUIRE FIELD ASSEMBLY.
9. WOOD CABINETS FOR TRANSPARENT FINISH:
A. AWI TYPE OF CABINET CONSTRUCTION: FLUSH OVERLAY UNLESS OTHERWISE INDICATED – MATCH EXISTING.
B. SEMI-EXPOSED SURFACES OTHER THAN DRAWER BODIES: COMPATIBLE SPECIES TO THAT INDICATED FOR EXPOSED SURFACES, STAINED TO MATCH.
1. DRAWER SIDES AND BACKS: SOLID-HARDWOOD LUMBER, STAINED TO MATCH SPECIES INDICATED FOR EXPOSED SURFACES.
2. DRAWER BOTTOMS: HARDWOOD PLYWOOD.
C. FLUSH WOOD PANELING:
1. LUMBER TRIM AND EDGES: AT FABRICATOR’S OPTION, TRIM AND EDGES INDICATED AS SOLID WOOD (EXCEPT MOLDINGS) MAY EITHER BE LUMBER OR VENEERED CONSTRUCTION COMPATIBLE WITH GRAIN AND COLOR OF VENEERED PANELS.
10. PLASTIC-LAMINATE PANELING AND COLUMN COVERS:
A. LAMINATE ADDING FOR EXPOSED SURFACES: HIGH-PRESSURE DECORATIVE OF GRADE INDICATED.
1. VERTICAL SURFACES: VGS
2. EDGES: VGS OR PVC TAPE, 0.018 INCH MIN. THICKNESS, MATCHING LAMINATE IN COLOR, PATTERN, AND FINISH.
B. COLORS, PATTERNS AND FINISHES: AS INDICATED BY MANUFACTURER’S DESIGNATIONS IN FINISH SCHEDULE.
11. SHOP FINISHING:
A. FINISH ARCHITECTURAL WOODWORK AT FABRICATION SHOP. DEFER ONLY FINAL TOUCHUP, CLEANING, AND POLISHING UNTIL AFTER INSTALLATION, EXCEPT WHERE FIELD PAINTING IS INDICATED IN DRAWINGS.
B. BACK PRIMING: APPLY ONE COAT OF SEALER OR PRIMER, COMPATIBLE WITH FINISH COATS, TO CONCEALED SURFACES OF WOODWORK. APPLY TWO COATS TO BACK OF PANELING.
C. TRANSPARENT FINISH: COMPLY WITH REQUIREMENTS INDICATED BELOW FOR GRADE, FINISH SYSTEM, STAINING, AND SHEEN, WITH SHEEN MEASURED ON 60-DEGREE GLOSS METER PER ASTM D 523.
1. GRADE: CUSTOM.
2. AWI FINISH SYSTEM: MATCH SAMPLE, WITH PERFORMANCE NOT LESS THAN TR-4, CONVERSION VARNISH.
3. STAINING: MATCH EXISTING.
4. SHEEN: MATCH SAMPLE GLOSS UNITS.
D. PAINT FINISH: SHOP PRIME FOR FIELD PAINTING ACCORDING TO DIVISION 9 SECTION – PAINTING.

SECTION 07 2100 – BATT INSULATION

- 1. MANUFACTURERS:
A. OWENS CORNING CORP.
2. MATERIALS:
B. SOUND ATTENUATION:
1. TYPE: 3 1/2”, 6” & 8”, ASTM C 665, TYPE I, CLASS A, UNFACED FIBER ACOUSTICAL INSULATION, FRICTION-FIT INSTALLATION.
2. FIRE RESISTANCE RATINGS: ASTM E 119 AS PART OF A COMPLETE FIRE TESTED WALL ASSEMBLY.

SECTION 07 9200 – JOINT SEALANTS

- 1. MANUFACTURERS:
A. ACCEPTABLE MANUFACTURERS:
1. DOW CORNING CORP.
2. GE SILICONES
3. PECORA CORP.
4. SONNEBORN CHEMEX INC.
5. TREMCO COMMERCIAL SEALANTS AND WATERPROOFING
2. MATERIALS:
A. JOINT SEALANTS:
1. ACOUSTICAL SEALANT: PROVIDE AT ALL STUD RUNNERS AND STRUCTURE, AND BETWEEN BOTTOM STUD TRACK AND FLOOR.
a. ASTM C 920, TYPE M AND A, GRADE NS, CLASS 12 1/2; MULTI COMPONENT POLYURETHANE, SELF LEVELING.
b. MOVEMENT CAPABILITY: PLUS OR MINUS 12 1/2 PERCENT.
c. APPLICATIONS: USE FOR CONCEALED LOCATIONS ONLY.
2. GENERAL PURPOSE INTERIOR SEALANT: PROVIDE AT ALL INTERIOR JOINTS, UNLESS SPECIFIED OTHERWISE.
a. ASTM C 834, SINGLE COMPONENT ACRYLIC LATEX, NON SAG.
b. MOVEMENT CAPABILITY: PLUS OR MINUS 7 1/2 PERCENT.
c. COLOR: TO BE SELECTED.
4. SILICONE SEALANT: PROVIDE AT ALL JOINTS AROUND COUNTERTOPS, UNLESS SPECIFIED OTHERWISE.
a. ASTM C 920, TYPE S, GRADE NS, CLASS 25; SINGLE COMPONENT SILICONE, NON SAG, MILDEW RESISTANT.
b. MOVEMENT CAPABILITY: PLUS OR MINUS 25 PERCENT.
c. COLOR: STANDARD COLORS MATCHING FINISHED SURFACES.
3. ACCESSORIES:
A. PRIMERS, BONDBREAKERS, AND SOLVENTS: AS RECOMMENDED BY SEALANT MANUFACTURER.
B. JOINT BACKING:
1. ASTM D 1565, CLOSED CELL POLYURETHANE FOAM, PREFORMED ROUND JOINT FILLER, NON ABSORBING, NON-STAINING, RESILIENT, COMPATIBLE WITH SEALANT AND PRIMER, RECOMMENDED BY SEALANT MANUFACTURER FOR EACH SEALANT TYPE.
2. SIZE: MINIMUM 1.25 TIMES JOINT WIDTH.
4. MIXES:
A. FOLLOW MANUFACTURER’S INSTRUCTIONS.
B. MIX MULTIPLE COMPONENT SEALANTS BY MECHANICAL MIXER; AVOID AIR ENTRAINMENT AND OVERHEATING OCCURRING DURING MIXING.
C. CONTINUE MIXING UNTIL COLOR IS COMPLETELY UNIFORM, WITHOUT STREAKS.

SECTION 08 1113 – HOLLOW METAL DOORS AND FRAMES

- 1. SUMMARY:
A. ROLLED STEEL DOORS AND FRAMES
B. ACCESSORIES
2. MANUFACTURERS:
A. ACCEPTABLE MANUFACTURERS:
1. CECO DOOR PRODUCTS
2. STEELCRAFT
3. SUBMITTALS:
A. PRODUCT LITERATURE: SUBMIT MANUFACTURER’S PUBLISHED LITERATURE FOR DOORS AND FRAMES.
B. SHOP DRAWINGS:
1. FRAMES: INDICATE CONFIGURATION, ANCHOR TYPES AND SPACINGS, LOCATION OF CUTOUTS FOR HARDWARE, REINFORCEMENT, AND FINISH.
2. DOORS: INDICATE ELEVATIONS, INTERNAL REINFORCEMENT, CLOSURE METHOD, AND CUTOUTS FOR HARDWARE, GLAZING AND LOUVERS.
4. MATERIALS:
A. STEEL SHEET: COLD ROLLED ASTM A366, OR HOT ROLLED PICKLED AND OILED SHEET CONFORMING TO ASTM A569.
5. DOORS:
A. ANSI A250.8; SEAMLESS.
B. MINIMUM 18 GAGE FACE SHEETS FOR INTERIOR DOORS.
C. CORE:
1. INTERIOR DOORS: VERTICAL STEEL STIFFENERS WITH SOUND DEADENING FILL BETWEEN STIFFENERS, OR RESIN IMPREGNATED KRAFT PAPER HONEY COMB CORE.
D. PROVIDE CONTINUOUSLY WELDED SEAMLESS EDGES.
E. CUT MORTISES FOR BUTTS USING APPROPRIATE TEMPLATES: UNIVERSAL NON-HANDED PREPARATION OF DOORS IS NOT ACCEPTABLE.
6. FRAMES:
A. DESIGN: DOUBLE EQUAL RABBIT, UNLESS INDICATED OTHERWISE; FULLY WELDED.
B. GAGES:
1. INTERIOR FRAMES: MINIMUM 16 GAGE FOR FRAMES OF DOOR OPENINGS UP TO AND INCLUDING 4 FEET IN WIDTH; 14 GAGE FOR FRAMES GREATER THAN 4 FEET IN WIDTH.
7. ACCESSORIES:
A. SILENCERS: RESILIENT RUBBER, FITTED INTO DRILLED HOLE; 3 ON STRIKE SIDE OF SINGLE DOOR, 2 ON HEAD OF PAIRS OF DOORS WITHOUT CENTER MULLIONS.
8. FINISH:
A. INTERIOR UNITS:
1. FACTORY PRIMED FOR FIELD FINISHING.
9. INSTALLATION OF FRAMES:
A. INSTALL FRAMES IN ACCORDANCE WITH SDI-105 AND IN ACCORDANCE WITH LABELING REQUIREMENTS.
B. COORDINATE WITH WALL CONSTRUCTION FOR ANCHOR PLACEMENT.
C. INSTALL ACCESSORIES.
D. INSTALLATION TOLERANCES: MAXIMUM DIAGONAL DISTORTION: 1/8 INCH MEASURED WITH STRAIGHT EDGE, CORNER TO CORNER.
E. DOOR AND HARDWARE INSTALLATION IS SPECIFIED IN SECTION 087100.

SECTION 08 1416 – FLUSH WOOD DOORS

- 1. MANUFACTURERS:
A. ACCEPTABLE MANUFACTURERS:
1. VT INDUSTRIES
2. AMPCO PRODUCTS, INC.
3. PONCRAFT DOOR CO.
2. REGULATORY REQUIREMENTS:
A. CONFORM TO THE REQUIREMENTS OF THE JURISDICTIONAL CODE AUTHORITY.
B. WHERE DOORS ARE NOTED WITH AN HOURLY FIRE RESISTANCE RATING, PROVIDE DOOR AND FRAME ASSEMBLIES LABELED BY UNDERWRITER’S LABORATORY, OR OTHER TESTING LABORATORY APPROVED BY THE LOCAL CODE AUTHORITIES, TO MEET THE HOURLY FIRE RATING NOTED.
C. INSTALLED FIRE RATED DOOR AND FRAME ASSEMBLIES SHALL CONFORM TO NFPA 80 FOR FIRE RATED CLASS INDICATED.
3. SUBMITTALS: SUBMIT PRODUCT DATA, SHOP DRAWINGS: SHOW DOORS AND FRAMES, ELEVATIONS, SIZES, TYPES, SWINGS, UNDERCUTS, BEVELING, BLOCKING FOR HARDWARE, FACTORY MACHINING, FACTORY FINISHING, AND OTHER DETAILS.
4. SOLID CORE FLUSH DOORS:
A. AWI SECTION 1300, PREMIUM GRADE.
B. CORE: SOLID PARTICLE BOARD CORE, UNLESS REQUIRED OTHERWISE FOR FIRE LABELING REQUIREMENTS.
C. AWI PC-5 OR PC-7 (5 OR 7 PLY CONSTRUCTION)
D. PROVIDE LABELED DOORS AS REQUIRED TO MEET THE HOURLY FIRE RATING REQUIRED.
E. FACE VENEER: PLAIN SLICED RED OAK.
F. 1-3/4” THICK, UNLESS SCHEDULED OTHERWISE.
5. FABRICATION:
A. FABRICATE DOORS TO THE CONFIGURATIONS INDICATED, IN ACCORDANCE WITH THE AWI STANDARDS SPECIFIED, AND TO FIRE RATED LABELING REQUIREMENTS.
B. BEVEL LOCK AND HINGE EDGES 1/8” IN 2 INCHES ON ALL SINGLE ACTING DOORS.
C. BOND EDGE BANDING TO SOLID CORE WITH HOT MELT OR RF CURED ADHESIVE.
D. PREFIT AND PREMACHINE DOORS IN ACCORDANCE WITH AWI 1300-5-6. PREMACHINE FOR HARDWARE AS INDICATED ON DRAWINGS.
E. WHERE REQUIRED TO MEET LABELING REQUIREMENTS, PROVIDE METAL ASTRAGALS TO MEET RATING REQUIREMENTS FOR DOUBLE FIRE DOORS.
F. FLUSH DOOR BLOCKING: FOR FLUSH DOORS, PROVIDE SOLID LOCK BLOCKS AND SPECIAL BLOCKING AS REQUIRED FOR THE HARDWARE COMPONENTS SPECIFIED ELSEWHERE. BLOCKING FOR FIRE RATED DOORS SHALL MEET THE DOOR MANUFACTURER’S LABELING REQUIREMENTS.
6. INSTALLATION:
A. FIT AND PREPARE DOORS FOR INSTALLATION IN ACCORDANCE WITH THE DOOR MANUFACTURER’S PRINTED INSTRUCTIONS.
B. PROVIDE CLEARANCES OF 1/8” AT JAMBS AND HEADS AND 3/8” FROM BOTTOM OF DOOR TO TOP OF DECORATIVE FLOOR FINISH, OR COVERING, EXCEPT WHERE THRESHOLD IS SHOWN OR SCHEDULED PROVIDE 1/2” CLEARANCE FROM BOTTOM OF DOOR TO TOP OF THRESHOLD.

SECTION 08 7100 – DOOR HARDWARE

- 1. SUBMITTALS:
A. HARDWARE SCHEDULE: SUBMIT TO THE ARCHITECT, A COMPLETE SCHEDULE OF PROPOSED FINISH HARDWARE. SCHEDULE SHALL BE COMPLETELY DETAILED, SHOWING ALL ITEMS, NUMBERS AND FINISHES, FOR ALL HARDWARE FOR EACH SEPARATE OPENING.
2. QUALITY ASSURANCE:
A. FINISH HARDWARE SHALL BE SUPPLIED BY RECOGNIZED BUILDER’S HARDWARE SUPPLIER WHO HAS BEEN FURNISHING HARDWARE IN THE SAME AREA AS THE PROJECT FOR A PERIOD OF NOT LESS THAN FIVE YEARS. THE SUPPLIER’S ORGANIZATION SHALL INCLUDE CONSULTANTS WHO ARE AVAILABLE AT ALL REASONABLE TIMES DURING THE COURSE OF THE WORK TO MEET PERSONALLY WITH THE OWNER, ARCHITECT, OR CONTRACTOR FOR HARDWARE CONSULTATION. THE SUPPLIER SHALL MAINTAIN A PARTS INVENTORY OF ITEMS SUPPLIED FOR FUTURE SERVICE TO THE OWNER.
3. KEYS AND KEYING:
A. ALL CYLINDER ITEMS SHALL BE KEYED AS DIRECTED BY THE OWNER.
B. KEYS: FURNISH 3 FOR EACH CYLINDER UNIT.
4. INSTALLATION:
A. MARK EACH ITEM OF HARDWARE AS TO DESCRIPTION AND LOCATION OF INSTALLATION IN ACCORDANCE WITH APPROVED HARDWARE SCHEDULE.
B. EXPOSED SURFACES OF HARDWARE SHALL BE COVERED AND WELL PROTECTED DURING INSTALLATION SO AS TO AVOID DAMAGE TO FINISHES.
C. INSTALL EACH HARDWARE ITEM IN COMPLIANCE WITH MANUFACTURER’S INSTRUCTIONS. WHEREVER CUTTING AND FITTING ARE REQUIRED TO INSTALL HARDWARE ONTO OR INTO SURFACES WHICH ARE LATER TO BE PAINTED OR FINISHED IN ANOTHER WAY, INSTALL EACH ITEM COMPLETELY AND THEN REMOVE AND STORE IN A SECURE PLACE DURING THE FINISH OPERATION. AFTER COMPLETION OF THE FINISHES, REINSTALL EACH ITEM. DO NOT INSTALL SURFACE MOUNTED ITEMS UNTIL FINISHES HAVE BEEN COMPLETED ON THE SUBSTRATE.
D. HARDWARE MOUNTING HEIGHTS: MOUNTING HEIGHTS ARE BASED ON RECOMMENDATIONS OF THE NATIONAL BUILDER’S HARDWARE ASSOCIATION (NBHA). GENERALLY, MOUNT HARDWARE UNITS AT THE FOLLOWING LOCATIONS ON EACH DOOR OR DOOR OPENING, EXCEPT AS OTHERWISE INDICATED ON THE DRAWINGS OR REQUIRED TO MEET CODE AND HANDICAPPED REQUIREMENTS. VERIFY ANY CONFLICTS WITH LOCATION OF OTHER HARDWARE FOR PROPER CLEARANCES FOR INSTALLATION PRIOR TO CUTTING OR MILLING FOR SPECIFIED HARDWARE. NOTIFY ARCHITECT IMMEDIATELY IF SUCH CONFLICTS ARE DETERMINED:
1. LATCH AND LOCKSETS: 38 INCHES FINISH FLOOR TO CENTER OF KNOB.
2. DEAD LOCKS: 52 INCHES FINISH FLOOR TO CENTER OF CYLINDER.
3. PUSH/PULL: 42 INCHES FINISH FLOOR TO CENTERLINE OF PUSH/PULL.
4. TOP HINGE: 5 INCHES FROM TOP OF DOOR TO TOP OF HINGE.
5. BOTTOM HINGE: 10 INCHES FROM FINISH FLOOR TO BOTTOM OF HINGE.
6. CENTER HINGE: EQUAL DISTANCE BETWEEN TOP AND BOTTOM HINGES.
7. MULTIPLE HINGE LOCATIONS SHALL BE EQUALLY SPACED BETWEEN TOP AND BOTTOM HINGE.
8. CLOSING: MOUNT FOR MAXIMUM DEGREE OF OPENING OBTAINABLE CONSIDERING OTHER HARDWARE PROVIDED AND OPENING CONDITIONS. SIZE CLOSERS FOR CONDITIONS AND CODE REQUIREMENTS.
9. OTHER HARDWARE ITEMS SHALL BE LOCATED AS RECOMMENDED BY NBHA, OR AS MAY BE SHOWN OR REQUIRED OTHERWISE.
5. HARDWARE GROUPS: AS INDICATED ON THE DRAWINGS.

SECTION 08 8000 – GLAZING

- 1. SUMMARY:
A. INTERIOR GLAZING.
2. CLEAR FLOAT GLASS: ASTM C1036, TYPE 1, CLASS 1, CLEAR, QUALITY Q3 GLAZING SELECT.
3. ACCESSORIES:
A. SILICONE SEALANT: DOW CORNING “795”; CLEAR COLOR.
B. SETTING BLOCKS: COMPATIBLE WITH SILICONE SEALANTS; 70-90 SHORE A HARDNESS.
C. SPACERS: COMPATIBLE WITH SILICONE SEALANT.
4. FABRICATION:
A. TEMPERED GLASS:
1. GLASS WHICH HAS BEEN HEAT TREATED TO STRENGTHEN GLASS IN BENDING TO NOT LESS THAN 4 TIMES THE ANNEALED STRENGTH; CERTIFIED SAFETY GLASS IN ACCORDANCE WITH ANSI Z97.1.
2. FABRICATE TEMPERED AND HEAT STRENGTHENED GLASS UNITS SO THAT THE PRINCIPLE DISTORTION WILL BE IN THE HORIZONTAL DIRECTION IN THE FINISHED INSTALLATION.
3. UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL, PROVIDE MANUFACTURER’S LABEL ON EACH LIGHT, INDICATING TYPE AND THICKNESS OF GLASS.
4. COMPLY WITH CODE REQUIREMENTS FOR IDENTIFICATION AND LABELING OF SAFETY-GLAZING MATERIALS IN HAZARDOUS LOCATIONS SUBJECT TO HUMAN IMPACT LOADS.
5. EDGE TREATMENT:
A. GLASS EDGES TO BE EXPOSED IN THE FINISHED WORK: PENCIL EDGE, POLISHED; APPROXIMATE 1/8 INCH CHAMFER.
B. GLASS EDGES INDICATED FOR EXPOSED SILICONE SEALANT TREATMENT: GROUND EGDE, SEAMED.
6. PREPARATION:
A. CLEAN CONTACT SURFACES AND WIPE DRY.
B. SEAL FRAME CORNER JOINTS AND OTHER LEAKAGE POINTS WITH SEALANT.
C. PRIME SURFACES SCHEDULED TO RECEIVE SEALANT, UNLESS OTHERWISE RECOMMENDED BY THE SEALANT MANUFACTURER.
7. INSTALLATION:
A. UNLESS SPECIFIED OTHERWISE, GLAZE IN ACCORDANCE WITH THE CURRENT EDITION OF GLASS ASSOCIATION OF NORTH AMERICA (GANA) GLAZING MANUAL.
B. SETTING BLOCKS: PLACE SETTING BLOCKS IN FRAMES FOR SUPPORT OF GLASS. PLACE AT QUARTER POINTS UNLESS APPROVED OTHERWISE.
C. SET GLASS TIGHTLY IN POSITION WITH PROPER CLEARANCES IN ACCORDANCE WITH THE REFERENCED STANDARD.
D. STOREFRONT GLAZING: UNLESS SPECIFIED OTHERWISE, GLAZE UNITS WITH GASKETS FURNISHED WITH THE FRAMING SYSTEMS SPECIFIED IN OTHER SECTIONS.
E. ADJUST GLAZING MATERIALS TO FORM A UNIFORM SIGHT LINE.
F. PROVIDE TEMPERED GLASS IN HAZARDOUS LOCATIONS TO MEET THE REQUIREMENTS OF THE JURISDICTIONAL CODE AUTHORITIES.

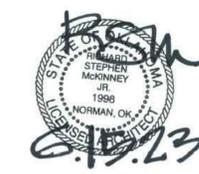
SECTION 08410 – ALUMINUM ENTRANCES AND STOREFRONT

- 1. MANUFACTURERS:
A. CONTRACT DOCUMENTS BASIS OF DESIGN: PRODUCTS BY KAWNEER COMPANY
B. EQUIVALENT PRODUCTS BY THE FOLLOWING MANUFACTURERS ARE ACCEPTABLE:
1. EFCO
2. OLDCASTLE BUILDING ENVELOPE
3. UNITED STATES ALUMINUM
4. ARCADIA, INC.
C. SUBSTITUTIONS: UNDER PROVISIONS OF SECTION 01001
2. PERFORMANCE REQUIREMENTS: A. STRUCTURAL REQUIREMENTS, AS MEASURED IN ACCORDANCE WITH ANSI/ASTM E330:
1. WIND LOADS FOR EXTERIOR ASSEMBLIES: +28 PSF ACTING INWARD, -31 ACTING OUTWARD. B. TESTING: STOREFRONT SYSTEM SHALL MEET THE REQUIREMENTS OF ASTM E1886 AND ASTM E1996.
3. MANUFACTURED UNITS:
A. STOREFRONT: TRI-FAB VERSA-GLAZE 451T THERMAL CENTER SET, SCREW SPLINE, FLUSH GLAZING SYSTEM DESIGNED TO RECEIVE 1 INCH GLASS BY MEANS OF ELASTOMERIC GASKETS; 2 INCH FACE WIDTH X 4 1/2 INCH DEPTH.
1. SYSTEM PERFORMANCE WITH GLAZING (RE: SECTION 08800):
A. U-FACTOR: SHALL NOT BE MORE THAN 0.39
B. SOLAR HEAT GAIN COEFFICIENT (SHGC): SHALL NOT BE MORE THAN 0.33
C. FRAME: USE HEAVY MULLION, SILL WITH SUBSILL RECEPTOR. FRAME TO MEET WIND LOAD REQUIREMENTS AS ADOPTED BY LOCAL AND NATIONAL CODES.
B. ENTRANCE DOORS: KAWNEER 500 OR OLDCASTLE BUILDING ENVELOPE WS 500 ANODIZED ALUMINUM STOREFRONT DOORS, FINISH TO MATCH ADJACENT FRAMING – STANDARD 5” WIDE STILES AND RAILS, 10” BOTTOM RAIL, 1/2” SQUARE STOPS, 1/4” CLEAR TEMPERED GLASS (RE: OUTBOARD LITE SECTION 08800.1.A.1.C), SINGLE ACTING DOORS SHALL OPEN OUTWARD ONLY.
4. MATERIALS:
A. ALUMINUM EXTRUSIONS: MIN. WALL THICKNESS 0.070” COMPLYING WITH ASTM B 221, 6063-T6 ALLOY AND TEMPER.
5. ACCESSORIES:
A. FASTENERS: NON-MAGNETIC STAINLESS OR PLATED STEEL.
B. GLASS AND ACCESSORIES: AS SPECIFIED IN SECTION 08800.
C. GLAZING GASKETS: TYPE TO SUIT APPLICATION TO ACHIEVE WATERTIGHT SEAL, WEATHER, MOISTURE, AND AIR INFILTRATION REQUIREMENTS AS RECOMMENDED BY MANUFACTURER.
D. WEATHER STRIPPING: REPLACEABLE, NONPOROUS, POLYMERIC MATERIAL AS RECOMMENDED BY MANUFACTURER.
E. PERIMETER SEALANT: TYPE RECOMMENDED BY MANUFACTURER FOR JOINT SIZE AND MOVEMENT.
F. SPACERS AND SETTING BLOCKS: ELASTOMERIC TYPE AS RECOMMENDED BY MANUFACTURER.
6. EXECUTION:
A. INSTALL IN ACCORDANCE WITH MANUFACTURER’S WRITTEN INSTRUCTIONS.
B. FABRICATE IN LARGEST PRACTICAL UNITS.
C. FABRICATE W/ MINIMUM CLEARANCES AND SHIM SPACES AROUND PERIMETER, YET ENABLING INSTALLATION AND DYNAMIC MOVEMENT.
D. ACCURATELY FIT AND SECURE JOINTS AND INTERSECTIONS. MAKE JOINTS FLUSH, HAIRLINE, AND WEATHERTIGHT.
1. CONCEAL FASTENERS AND ATTACHMENTS FROM VIEW.
E. FINISHING: APPLY FACTORY FINISH TO ALL SURFACES THAT WILL BE EXPOSED IN COMPLETED ASSEMBLIES, INCLUDING JOINT EDGES.
F. DOORS:
1. MECHANICALLY CLIPPED AND WELDED CORNER CONSTRUCTION.
2. PROVIDE WEATHER STRIPPING AT DOOR HEAD, JAMBS, MEETING STILES, AND SILLS.
3. PREPARE WITH INTERNAL REINFORCEMENTS FOR DOOR HARDWARE.
6. FINISHES:
1. ALUMINUM: ARCHITECTURAL CLASS I, COLOR ANODIC COATING, AAMA 611, 0.7 MIL MINIMUM THICKNESS, DARK BRONZE COLOR.
A. TOUCH-UP MATERIALS: AS RECOMMENDED BY COATING MANUFACTURER FOR FIELD APPLICATION.
2. APPLY ONE COAT BITUMINOUS PAINT TO CONCEALED ALUMINUM SURFACES IN CONTACT WITH CEMENTITIOUS MATERIALS OR DISSIMILAR METALS.



3600 West Main Suite 200 Norman, Oklahoma 73072 405.360.1400 p 405.364.8287 f tmparch.com

Seal:



Project:

Vision Bank 3600 West Main, Suite 100 Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

SPECIFICATIONS

Sheet Number:

SP2

SECTION 09 2900 – GYPSUM BOARD

- 1. QUALITY CONTROL: PROVIDE ASSEMBLIES MEETING THE HOURLY FIRE RATINGS INDICATED. ASSEMBLIES SHALL BE APPROVED BY THE LOCAL JURISDICTIONAL CODE AUTHORITIES.
2. METAL FRAMING MATERIALS:
A. PROVIDE COMPONENTS IN ACCORDANCE WITH ASTM C 845.
B. FINISH: ASTM A 448, CLASS 660 HOT DIP GALVANIZED OR ASTM A 591, CLASS B ELECTROGALVANIZED.
C. STUDS: NON-LOAD BEARING ROLLED STEEL, CHANNEL SHAPED, PUNCHED FOR UTILITY ACCESS.
D. RUNNERS: OF SAME MATERIAL AND FINISH AS STUDS, CHANNEL SHAPED; PROVIDE DEEP LEG RUNNERS AT TOP OF PARTITIONS.
3. PANEL PRODUCTS:
A. WATER/VOID RESISTANT TILE BACKER: ASTM C 1178; 48 INCHES WIDE X 5/8 INCH THICK, DENSIFIED TILE BACKER BY GEORGIA PACIFIC.
B. REGULAR GYPSUM BOARD: ASTM C 36; 48 INCHES WIDE X 5/8 INCH THICK, MAXIMUM PRACTICAL LENGTH, TAPERED EDGE.
4. ACCESSORIES:
A. FASTENERS:
1. FOR ATTACHING FRAMING TO CONCRETE AND MASONRY: TYPE BEST SUITED TO APPLICATION.
2. FOR FASTENING FRAMING MEMBERS TOGETHER: 3/8 INCH LONG PAN HEAD SCREWS.
3. FOR ATTACHING GYPSUM PANELS TO FRAMING: ASTM C 1002, TYPE S SCREWS, MINIMUM 5/8 INCH PENETRATION INTO FRAMING.
B. ACOUSTICAL INSULATION:
1. ASTM C 665, TYPE I, GLASS FIBER COMPOSITION, UNFACED.
2. NONCOMBUSTIBLE WHEN TESTED IN ACCORDANCE WITH ASTM E 136.
C. METAL ACCESSORIES: GALVANIZED STEEL.
1. CORNER REINFORCEMENT: GA 216, TYPE CB-100 X 100.
2. CASING: GA 216, TYPE LC.
D. ACOUSTICAL SEALANT: NON HARDENING, NON SKINNING, ACOUSTICAL SEALANT DESIGNED FOR USE WITH GYPSUM BOARD.
E. JOINT TREATMENT MATERIALS:
1. REINFORCING TAPE AND JOINT COMPOUND: ASTM C 475.
2. FINISH LEVEL 4, NO TEXTURE.
3. FINISH LEVEL 5 AT LOCATIONS WITH VINYL WALLCOVERING.
5. INSTALLATION:
A. ALL INTERIOR PARTITIONS SHALL BE 5/8" TYPE 'X' GYPSUM BOARD OVER METAL STUDS AT 16" O.C OR AS OTHERWISE LISTED ON DRAWINGS.
B. PARTITIONS INDICATED ON PLAN TO GO TO ROOF DECK SHALL EXTEND TO BOTTOM OF ROOF DECK AND SEAL TIGHT.
C. GYPSUM BOARD MAY TERMINATE 6" ABOVE FINISHED CEILING AS INDICATED ON DRAWINGS.
D. EXPANSION JOINTS SHALL BE USED EVERY 28'-0" MAX.

SECTION 09300 – TILE

- 1. SUMMARY:
A. INTERIOR CERAMIC WALL TILE
B. INTERIOR CERAMIC FLOOR TILE
C. REINFORCED WATERPROOF MEMBRANES
D. CRACK ISOLATION MEMBRANES
E. SCREEDS
F. SEALER
2. SUBMITTALS:
A. SAMPLES:
1. TILE: SUBMIT SAMPLES OF EACH TYPE AND COLOR OF TILE. INCLUDE REPRESENTATIVE RANGE OF COLORS AND FINISHES TO BE EXPECTED.
2. GROUT: SUBMIT CURED SAMPLES OF EACH GROUT COLOR.
3. SCREEDS: SUBMIT SAMPLES OF EACH TYPE AND FINISH OF SCREED; MINIMUM 3 INCH LENGTH.
B. PRODUCT DATA:
1. SUBMIT FOR EACH TYPE OF GROUT, ADHESIVE, ADDITIVE, ACCESSORY, AND MEMBRANE SPECIFIED.
C. SHOP DRAWINGS: INDICATE GENERAL LAYOUT, SURROUNDING CONSTRUCTION, LOCATION OF EXPANSION JOINTS IN SUBSTRATES AND TILE FIELDS, EDGE DETAILS AND SPECIAL CONDITIONS.
D. SCHEDULE: SUBMIT A SCHEDULE OF EACH TILE TYPE, GROUT, AND JOINT WIDTH PROPOSED.
4. TILE:
A. TILE TYPES: AS LISTED ON THE MATERIALS AND FINISH LEGEND.
B. FURNISH TILE MANUFACTURED IN ACCORDANCE WITH ANSI A137.1.
C. SPECIAL SHAPES: UNLESS OTHERWISE INDICATED OR SPECIFIED, FURNISH SPECIAL SHAPES AS STANDARD WITH THE TILE MANUFACTURER FOR UNIFORM TRANSITIONS AND CONCEALED EDGES IN THE FINISHED INSTALLATION. SPECIAL SHAPES INCLUDE BULLNOSES, DOUBLE BULLNOSES, CORNER BULLNOSES, AND COVE ASSEMBLIES.
5. ACCESSORY MATERIALS:
A. TILE SETTING MATERIALS:
1. THINSET MORTAR: "KERABOND" WITH "UNIVERSAL KERALASTIC" BY MAPEI CORP.
2. RAPID-SET THIN BED MORTAR: "GRANI/RAPID" WITH "KER 318" FLEXIBLE ADMIXTURE BY MAPEI CORP.
3. MEDIUM BED MORTAR: "GRANI/RAPID" BY MAPEI CORP.
4. RAPID-SET MEDIUM BED MORTAR: "GRANI/RAPID" BY MAPEI CORP.
5. ORGANIC ADHESIVES: ANSI A136.1, TYPE I; PROVIDE PRIMER/SEALER AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.
B. CEMENTITIOUS SANDED GROUT:
1. FAST SETTING: "ULTRA/COLOR" BY MAPEI CORP. (PROPORTIONS RECOMMENDED BY THE MANUFACTURER FOR THE SETTING TIME REQUIRED); SANDED, EXCEPT UNSANDED AT JOINTS SCHEDULED LESS THAN 1/4 INCH WIDE.
2. STANDARD GROUT: "KER 200" BY MAPEI CORP.; SANDED, EXCEPT UNSANDED AT JOINTS SCHEDULED LESS THAN 1/4 INCH WIDE.
3. COLORS: AS SELECTED BY ARCHITECT FROM THE MANUFACTURER'S STANDARD LINE.
C. CEMENTITIOUS UNSANDED GROUT:
1. STANDARD GROUT: "KER 800" BY MAPEI CORP.
2. COLORS: AS SELECTED BY ARCHITECT FROM THE MANUFACTURER'S STANDARD LINE.
D. TILE WATERPROOFING MEMBRANE: "PRP 315" BY MAPEI CORP.
E. METAL SCREED: AS MANUFACTURED BY SCHLUTER SYSTEMS, INC.; CLEAR ANODIZED ALUMINUM TILE EDGING TRIM; SIZES AS REQUIRED FOR INSTALLATION OF TOP OF SCREED FLUSH WITH TOP OF TILE, AS DETAILED.
F. SILOXANE TYPE TILE SEALER: CERAMASEAL "MAGIC SEAL" BY BOSTIK/CERAMASEAL
6. PREPARATION:
A. CLEAN SUBSTRATE SURFACES FREE OF GREASE, DIRT, DUST, ORGANIC IMPURITIES, AND OTHER MATERIALS WHICH WOULD IMPAIR BOND.
B. MECHANICALLY ABRASE AND THEN WASH EXISTING TILE FLOORS INDICATED TO BE COVERED WITH NEW CERAMIC TILE.
7. SLAB LEVELING:
A. PRIOR TO INSTALLATION OF THINSET FLOOR TILE, WHERE LOCAL IRREGULARITIES IN THE SUBSTRATE SURFACE WOULD PREVENT LEVEL INSTALLATION OF THE TILE, THE SUBSTRATE SHALL BE BROUGHT TO PLANE SURFACE WITH VARIATIONS NOT TO EXCEED 1/4 INCH IN 4 FEET (CUMULATIVE) AND 1/8 INCH IN 10 FEET (NON-CUMULATIVE). SMOOTH ALL ABRUPT CHANGES IN PLANE.
B. USE THINSET MORTAR OR OTHER FILLER FOR SLAB LEVELING. OTHER FILLERS ARE SUBJECT TO ENDORSEMENT BY THE SETTING MORTAR MANUFACTURER. SUBMIT MANUFACTURER'S LETTER OF APPROVAL TO THE ARCHITECT, AND THE OWNER'S REPRESENTATIVE.
C. SCREED OR FLOAT TO APPROPRIATE THICKNESS AND SPECIFIED SURFACE TOLERANCE. ALLOW TO SET PRIOR TO PROCEEDING WITH INSTALLATION. DO NOT EXCEED THE MAXIMUM THICKNESSES FOR THIN BED MORTAR AS RECOMMENDED BY THE MANUFACTURER.
8. CRACK ISOLATION:
A. INSTALL CRACK ISOLATION MEMBRANE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, UNLESS INDICATED OR SPECIFIED OTHERWISE.
B. PROVIDE CRACK ISOLATION MEMBRANE AT ALL CRACKS AND CONTROL JOINTS. CONTINUE JOINTS THROUGH THE TILE INSTALLATION IN ACCORDANCE WITH TCA E1171 FILLED WITH SILICONE SEALANT TO MATCH GROUT COLOR. INSTALL MOVEMENT JOINTS 20'-0" TO 25'-0" IN EACH DIRECTION IN ACCORDANCE W/ TCA E1171.

- C. EXTEND A MINIMUM OF 12 INCHES EACH SIDE OF CRACK OR JOINT.
D. DO NOT APPLY CRACK ISOLATION MEMBRANE AT JOINTS WHICH WILL BE REFLECTED AS EXPANSION JOINTS IN THE TILE.
E. OMIT CRACK ISOLATION AT FLOORS INDICATED FOR WATERPROOF MEMBRANE.
9. WATERPROOF MEMBRANE INSTALLATION:
A. INSTALL WATERPROOF MEMBRANES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
B. INSTALL WATERPROOF MEMBRANES AT RESTROOM LOCATIONS.
C. AT SLAB ON GRADE LOCATIONS, INSTALL WATERPROOF MEMBRANES ONLY ALONG THE PERIMETER OF TILE AREAS. EXTEND THE MEMBRANE UP THE WALL AND A MINIMUM OF 6 INCHES OUT ONTO THE FLOOR SURFACE.
D. AT ABOVE GRADE LOCATIONS, INSTALL WATERPROOF MEMBRANE COMPLETELY OVER FLOOR SURFACES INDICATED AND UP THE WALL.
E. WHERE THE WATERPROOF MEMBRANE IS EXTENDED UP THE WALL, EXTEND TO ONE TILE HEIGHT. DO NOT EXPOSE THE WATERPROOFING MEMBRANE TO VIEW.
F. USE EMBEDDED REINFORCING MESH AT CHANGES OF PLANE AND MATERIAL.
G. PROTECT WATERPROOF MEMBRANE FROM DAMAGE UNTIL AFTER TILE INSTALLATION IS COMPLETE.
H. INSTALL WATERPROOF MEMBRANE INTO CLAMPING RING OF FLOOR DRAIN.
10. INSTALLATION OF TILE:
A. INTERIOR FLOOR APPLICATION: THINSET OVER CONCRETE SUBSTRATE OR WATERPROOF MEMBRANE.
1. TCA SYSTEM: SIMILAR TO F113.
2. INSTALLATION STANDARD: ANSI A108.5.
3. SETTING MATERIALS: THINSET MORTAR; 3/8 INCH MINIMUM THICKNESS.
B. WALL APPLICATION – GYPSUM BOARD SUBSTRATE: ONE OF THE FOLLOWING:
1. THINSET MORTAR SYSTEM:
a. TCA SYSTEM: SIMILAR TO W243.
b. INSTALLATION STANDARD: ANSI A108.5.
c. SETTING MATERIALS: THINSET MORTAR.
2. ORGANIC ADHESIVE SYSTEM:
a. TCA SYSTEM: W223.
b. INSTALLATION STANDARD: ANSI A108.4.
c. SETTING MATERIALS: ORGANIC ADHESIVE.
C. JOINT PATTERN:
1. LAY OUT TILE PATTERN PRIOR TO COMMENCING TILE INSTALLATION.
2. ACCURATELY LOCATE GROUT JOINTS ON LINES INDICATED; WHERE NOT INDICATED, ADJUST GROUT JOINTS WITHIN SPECIFIED TOLERANCES TO MINIMIZE USE OF CUT TILES AT FIELD EDGES.
3. WHERE CUT TILES ARE NECESSARY, POSITION TILE SUCH THAT CUT TILE AT EACH EDGE OF EACH RECTILINEAR FIELD IS NOT LESS THAN HALF OF A FULL SIZE UNIT, UNLESS INDICATED OTHERWISE.
D. TILES SHALL BE BLENDED AS REQUIRED TO AVOID PATTERN REPEATS AND "PATCHES" OF ADJOINING TILES OF DISTINCTIVE COLOR OR CHARACTER WITHIN EACH FIELD AREA.
E. INSTALL TILES ALIGNED WITH ADJACENT FINISHES, WHERE INDICATED. PROVIDE MORTAR FILL AS NECESSARY FOR PROPER ALIGNMENT.
F. EXCEPT OTHERWISE INDICATED, INSTALL BULLNOSE TILES AT EXPOSED TILE EDGES, INCLUDING EDGES ADJACENT TO CARPET, EDGES OF PLANTERS, EXTERNAL CORNERS, AND TOPS OF BASES.
G. CERAMIC TILE: INSTALL COVED TRANSITION PIECES TO MATCH HORIZONTAL SURFACE TILE COLORS IN RESTROOMS, AT INTERSECTIONS OF FLOOR TILE WITH WALLS. INSTALL TILE FOR SQUARE CORNERS AT VERTICAL INSIDE CORNERS.
H. CLEAN JOINTS OF MORTAR TO MINIMUM DEPTH OF 1/4 INCH TO ALLOW SUBSEQUENT GROUT INSTALLATION.
I. PROVIDE TEMPORARY SETTING BUTTONS AND SHIMS AS NECESSARY TO MAINTAIN WALL TILES IN POSITION UNTIL SETTING MORTAR HAS SET.
J. TOLERANCES:
1. JOINT WIDTH VARIATION: PLUS OR MINUS 25% OF THE PROPOSED JOINT WIDTH.
2. TAPER: PLUS OR MINUS 25% FROM ONE END TO THE OTHER.
3. NO PORTION OF A TILE SURFACE SHALL VARY MORE THAN 1/8 INCH ABOVE OR BELOW AN ADJACENT TILE SURFACE.
4. INSTALL TILE FIELDS LEVEL TO WITHIN TOLERANCE SPECIFIED FOR FINISHED SUBSTRATE.
K. SCREED INSTALLATION:
1. INSTALL SCREEDS AT TILE FIELD EDGES AT THE LOCATIONS INDICATED.
2. ACCURATELY CUT TO LENGTH FOR FLUSH TIGHTLY BUTTED JOINTS. PROVIDE MITER CUT ANGLE JOINTS, REMOVE BURRS AT FIELD CUTS.
3. INSTALL IN LONGEST POSSIBLE LENGTHS, EXCEPT THAT NO SCREED SECTION SHALL BE LONGER THAN 12 FEET OR SHORTER THAN 4 FEET IN LENGTH FOR CONTINUOUS RUNS GREATER THAN 16 FEET.
4. INSTALL SCREEDS FREE FROM WAVES AND VARIATIONS IN HEIGHT, FLUSH WITH TOP OF ADJACENT TILE SURFACES.
5. SET SCREEDS DIRECTLY IN SETTING BED AS THE TILE INSTALLATION PROCEEDS. COMPLY WITH SCREED MANUFACTURER'S INSTRUCTIONS TO ACHIEVE MORTAR TIGHTLY COMPACTED BETWEEN SCREED AND TILE EDGE.
6. GRIND SCREED JOINTS AS NECESSARY TO CORRECT MINOR MISALIGNMENT AND TO EASE SHARP OUTSIDE CORNERS.
11. GROUTING:
A. COMPLY WITH PROVISIONS OF ANSI A108.10.
B. MIX GROUTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
C. GROUT ALL JOINTS, EXCEPT EXPANSION JOINTS, IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. FLOAT JOINTS TO A SLIGHTLY CONCAVE PROFILE.
D. REMOVE EXCESS GROUT FROM TILE SURFACES IN ACCORDANCE WITH THE GROUT AND TILE MANUFACTURER'S RECOMMENDATIONS. DO NOT USE EXCESS AMOUNTS OF WATER.
E. PROTECT ADJACENT SURFACES FROM DAMAGE CAUSED BY CLEANING AGENTS. DO NOT USE CLEANERS WHICH WOULD DAMAGE TILE OR GROUT SURFACES.
F. DO NOT GROUT JOINTS INDICATED TO RECEIVE SEALANTS, INCLUDING INSIDE RIGHT ANGLE CORNER JOINTS BETWEEN FLOORS AND WALLS OF COLUMN BASES. GROUT JOINTS PERPENDICULAR TO EXPANSION JOINTS SHALL BE FINISHED FLUSH WITH TILE EDGES.
G. CURED GROUT JOINTS SHALL BE MADE FREE OF EFFLORESCENCE, PRIOR TO SEALING.
12. CURING: CURE INSTALLATION IN ACCORDANCE WITH THE GROUT MANUFACTURER'S RECOMMENDATIONS. PROTECT TILE AND GROUT DURING CURING OPERATIONS.
13. PROTECTION:
A. PROTECT TILE INSTALLATIONS FROM DAMAGE.
B. REPLACE ALL DAMAGED TILES.
14. CLEANING:
A. IN ACCORDANCE WITH SECTION 01500 AND SECTION 01770.
B. COORDINATE FINAL CLEANING WITH WORK OF SECTION 07920. DO NOT BEGIN CLEANING OPERATIONS UNTIL TILE EXPANSION JOINTS SEALANTS ARE FULLY CURED.
C. WASH AND THOROUGHLY RINSE ALL TILE. LEAVE ALL TILE SURFACES CLEAN.
15. TILE SEALING:
A. APPLY STAIN REPELLENT SEALER TO ALL FLOOR TILE, INCLUDING THOSE WITH PREVIOUS TREATMENTS, IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE MAXIMUM PENETRATION INTO TILE BODY AND GROUTS.
B. APPLY SEALER AT EARLIEST POSSIBLE DATE ALLOWED BY GROUT AND SEALER MANUFACTURER.
C. WIPE TILE SURFACES AFTER APPLICATION AS NECESSARY TO REMOVE ALL VISIBLE SEALER RESIDUE.

SECTION 09 5113 – ACOUSTICAL CEILINGS

- 1. SUMMARY:
A. SUSPENDED METAL GRID SYSTEMS
A. ACOUSTICAL CEILING TILE
2. ACCEPTABLE MANUFACTURERS:
A. SUSPENDED METAL GRID SYSTEMS AND ACOUSTICAL CEILING TILE: USG OR ARCHITECT APPROVED EQUAL
3. SUBMITTALS:
A. SAMPLE OF 6"x6" SPECIFIED TILE AND INTERLOCKING T-BAR ASSEMBLY.
4. PRODUCTS:
A. SUSPENSION SYSTEM:
1. SYSTEM CONFORMING TO ASTM-C-635, INTERMEDIATE DUTY, MAXIMUM DEFLECTION 3/60 SPAN, EXPOSED TEE UNLESS INDICATED OTHERWISE.
2. NON-RATED AND RATED: HOLLOW RATING AND LOCATIONS AS INDICATED.
3. STRUTS AND SWAY BRACING: PROVIDE ALL REQUIRED FOR CONFORMANCE WITH LOCAL CODE SEISMIC REQUIREMENTS AND AS INDICATED.
4. HANGER WIRE: PROVIDE NOT LESS THAN 10 GAGE GALVANIZED SOFT-ANNEALED STEEL WIRE FOR CEILING SYSTEMS PROVIDING LATERAL SUPPORT FOR PARTITIONS AND NOT LESS THAN 12 GUAGE FOR CEILING SYSTEMS NOT INTENDED TO LATERALLY SUPPORT PARTITIONS.
5. PROTECTIVE COATINGS AND FINISHES: PROVIDE ELECTROGALVANIZED STEEL COMPONENTS WITH LOW-GLOW COATINGS AND FINISHES TO MATCH ACOUSTICAL PANELS AND IN CONFORMANCE WITH ARCHITECT'S CONTROL SAMPLES. THE FINISH SHALL BE ON ALL EXPOSED PORTIONS OF GRID.
6. PERIMETER MOLDINGS: PROVIDE STANDARD ANGLE MOLDINGS: MATERIAL AND FINISH TO MATCH THE EXPOSED SUSPENSION COMPONENTS, IN SIZES AND PROFILE AS SHOWN.
7. MISCELLANEOUS ACCESSORIES: SPLINES, SADDLES, CLIPS, FASTENERS, AND OTHER ACCESSORIES: GALVANIZED SHEET STEEL. PROVIDE AS REQUIRED TO COMPLETE THE SUSPENSION SYSTEMS AND INSTALLATION OF LIGHTING AND HVAC ELEMENTS.
B. ACOUSTICAL UNITS:
1. MINERAL FIBER TILES AND PANELS, TYPE III, CLASS A, PER FED. SPEC. SS-5-M8B, SIZE, FIBER RATING, AND LOCATION AS INDICATED.
5. INSTALLATION:
A. INSTALL ACOUSTICAL CEILING SYSTEMS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SUSPENSION SYSTEM DESIGN INDICATED AND WITH THE REFERENCED STANDARDS.
B. SUSPENSION SYSTEMS: INSTALL IN ACCORDANCE TO LOCAL CODE, ASTM C-636, AND MANUFACTURER'S RECOMMENDATIONS. COORDINATE WITH OTHER TRADES, SET WITH LASER EQUIPMENT.
C. ACOUSTICAL TILE: INSTALL IN LEVEL PLANE IN STRAIGHT LINE COURSES AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. RUN TILE GRAIN IN ONE DIRECTION.
D. HANGER-WIRES:
1. GENERAL: SPACE WIRES NOT OVER 48" CENTER BOTH WAYS: DO NOT SUPPORT MORE THAN 16 SQ. FT. OF CEILING PER HANGER. SUPPORT TERMINAL END OF EACH CROSS RUNNER OR MAIN RUNNER INDEPENDENT OF AND WITHIN 8" OF A WALL. INSTALL WIRE HANGERS WITHIN 3" OF EACH CORNER OF A LIGHT FIXTURE OPENING WHERE POSSIBLE; ATTACH TO MAIN RUNNERS.
2. CONCRETE SUPPORTS: WRAP AROUND REINFORCING STEEL WITH A TWIST OR LOOP AND EMBED AT LEAST 2" INTO CONCRETE, OR ATTACH TO APPROPRIATE TYPE POWDER DRIVEN FASTENERS OR INSERTS.
3. METAL DECKING: ATTACH BY PENETRATING THRU METAL DECK, TWIST AND LOOP; OR APPROPRIATE TYPE POWDER DRIVEN FASTENERS.
4. STEEL SUPPORTS: WRAP AROUND, THRU STEEL, OR BY OTHER ACCEPTABLE METHODS.
5. PROVIDE SUPPLEMENTAL HANGERS, SUPPORTS AND FASTENERS FOR LATERAL BRACING OF THE SUSPENSION SYSTEM IN ACCORDANCE WITH THE REFERENCED STANDARDS.
6. INSTALL AFTER MAJOR ABOVE-CEILING WORK IS COMPLETE. COORDINATE THE LOCATION OF HANGERS WITH OTHER WORK. ENSURE HANGERS AND CARRYING CHANNELS ARE LOCATED TO ACCOMMODATE FITTINGS AND UNITS OF EQUIPMENT WHICH ARE TO BE PLACED AFTER THE INSTALLATION OF CEILING GRID.
7. INTERFERENCE: WHERE WIDE AIR CONDITIONING DUCTS OR SIMILAR OBSTRUCTIONS ABOVE ACOUSTICAL CEILINGS INTERFERE WITH SUSPENSION HANGERS, PROVIDE INDEPENDENT FRAMING BELOW OBSTRUCTION TO SUPPORT THE CEILING AS AN OBLIGATION UNDER THIS SECTION. SUPPORT FRAMING FROM FLOOR OR ROOF STRUCTURE ABOVE. DO NOT ATTACH FRAMING TO DUCTWORK.
8. HANG INDEPENDENTLY OF WALLS, COLUMNS, DUCTS, PIPES, AND CONDUIT, WHERE CARRYING MEMBERS ARE SPLICED, AVOID VISIBLE DISPLACEMENT OF THE LONGITUDINAL AXIS OR FACE PLANE OF ADJACENT MEMBERS.
9. LIGHTING FIXTURES SHALL NOT BE SUPPORTED FROM OR ON MAIN RUNNERS OR CROSS RUNNERS IF WEIGHT OF THE FIXTURE CAUSES THE TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY. IN SUCH CASES, FIXTURE LOADS SHALL BE SUPPORTED BY SUPPLEMENTARY HANGERS LOCATED WITHIN 6" OF EACH CORNER, OR THE FIXTURES SHALL BE SUPPORTED INDEPENDENTLY. FIXTURES SHALL NOT BE INSTALLED SO THAT THE MAIN RUNNERS AND CROSS RUNNERS WOULD BE ECCENTRICALLY LOADED. WHERE FIXTURE INSTALLATION WOULD PRODUCE ROTATION OF RUNNERS, STABILIZER BARS SHALL BE PROVIDED.
F. INSTALL EDGE MOLDINGS AT INTERSECTION OF CEILING AND VERTICAL SURFACES, USING MAXIMUM LENGTHS, STRAIGHT, TRUE TO LINE AND LEVEL MITER CORNERS. PROVIDE EDGE MOLDINGS AT JUNCTIONS WITH OTHER DISSIMILAR SURFACES. SECURE TO JAMB STUDS.
G. FORM EXPANSION JOINTS TO ACCOMMODATE PLUS OR MINUS 1 INCH MOVEMENT AND MAINTAIN VISUAL CLOSURE.
H. FIT ACOUSTIC UNITS IN PLACE, FREE FROM DAMAGED EDGES, OR OTHER DEFECTS DETRIMENTAL TO APPEARANCE AND FUNCTION. LAY DIRECTIONALLY PATTERNED UNITS ONE WAY WITH PATTERN AS DIRECTED. FIT BORDER UNITS NEATLY AGAINST ADJUTING SURFACES. INSTALL UNITS LEVEL, IN UNIFORM PLANE AND FREE FROM TWIST, WARP AND DENTS. INSTALL HOL-DOWN CLIPS ON ALL ACOUSTICAL UNITS TO HOLD THEM TIGHT TO GRID SYSTEM WHERE WITHIN 20" ON AN EXTERIOR DOOR.
I. INSTALL ACOUSTICAL INSULATION BLANKET ON SUSPENDED CEILING AT SOUND INSULATED PARTITIONS AS SHOWN. PROVIDE CONTINUOUS LAYER OF INSULATION 4'-0" WIDE, CENTERED ON PARTITIONS.

SECTION 09650 – RESILIENT FLOORING

- 1. SUBMITTALS:
A. SUBMIT PRODUCT LITERATURE FOR EACH PRODUCT PROPOSED, INCLUDING BASE, RESILIENT FLOORING, TRANSITION STRIPS, AND ADHESIVES.
B. SUBMITTALS: SUBMIT SAMPLES OF EACH TYPE OF RESILIENT FLOORING, AND EACH TYPE OF RUBBER BASE.
2. MATERIALS:
A. RESILIENT FLOORING AS SCHEDULED ON THE DRAWINGS.
B. LATEX UNDERLAYMENT: PORTLAND CEMENT/LATEX PATCHING AND LEVELING COMPOUND: ONE OF THE FOLLOWING, OR AS OTHERWISE RECOMMENDED BY THE FLOORING ADHESIVE MANUFACTURER.
1. DEPENDABLE CHEMICAL COMPANY, INC., "DEPENDABLE SKIMCRETE XL".
2. THE W.W. HENRY COMPANY "345 PREMIXED PATCH N'LEVEL FLOOR PATCH & SMOOTHING COMPOUND".
3. GENERAL RESILIENT FLOORING INSTALLATION REQUIREMENTS:
A. INSTALL SUBFLOOR FILLER TO FILL LOW SPOTS, CRACKS, CONSTRUCTION JOINTS, HOLES, AND OTHER DEFECTS, AND AS REQUIRED TO ADJUST LEVEL TO MEET ADJACENT FINISHES. FEATHER TO MAXIMUM SLOPE 1/4 INCH IN 3 FEET; FLOAT TO SMOOTH, FLAT HARD SURFACE. PROHIBIT TRAFFIC OVER FILLER.
B. INSTALL ALL RESILIENT FLOORING WHERE SCHEDULED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
C. UNLESS INDICATED OTHERWISE, INSTALL RESILIENT FLOORING WITH JOINTS AND SEAMS PARALLEL TO BUILDING LINES.
D. TERMINATE RESILIENT FLOORING AT CENTERLINE OF DOOR AT DOOR OPENINGS WHERE ADJACENT FLOOR FINISH IS DISSIMILAR, AND WHERE NO THRESHOLD IS INDICATED.
E. INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES WHERE FLOORING TERMINATES.
F. SCRIBE FLOORING TO WALLS, COLUMNS, CABINETS, FLOOR OUTLETS AND OTHER APPURTENANCES TO PRODUCE TIGHT JOINTS.
G. CLEAN SUBSTRATE. SPREAD CEMENT EVENLY IN QUANTITY RECOMMENDED BY MANUFACTURER TO ENSURE ADHESION OVER ENTIRE AREA OF INSTALLATION. SPREAD ONLY ENOUGH ADHESIVE TO PERMIT INSTALLATION OF FLOORING BEFORE INITIAL SET.
H. SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER TO ENSURE FULL ADHESION.
I. SEAL JOINT BETWEEN FLOORING AND ADJACENT MATERIALS AT RESTROOMS, BATHROOMS, KITCHENS, AND OTHER MOIST AREAS WITH CLEAR SILICONE SEALANT.
4. SPECIAL REQUIREMENTS FOR SHEET FLOORING:
A. INSTALL SHEET FLOORING TO A MINIMUM 1/2 FULL MATERIAL WIDTH, WITH LENGTH OF SHEET PARALLEL TO LENGTH OF ROOM. WHERE CUTTING IS REQUIRED, DOUBLE CUT AND WELD AS SPECIFIED. TRIM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. HEAT WELD SEAMS IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. USE WELDING ROD IN COLOR AS SCHEDULED.
C. UNLESS INDICATED OTHERWISE, LAY FLOORING WITH SEAMS PARALLEL TO BUILDING LINES TO PRODUCE MINIMUM NUMBER OF SEAMS.
5. SPECIAL REQUIREMENTS FOR RESILIENT TILE:
A. INSTALL WITH MINIMUM TILE WIDTH 3/4 FULL SIZE AT ROOM OR AREA PERIMETER
B. ARRANGE TO SQUARE GRID PATTERN WITH ALL JOINTS ALIGNED.
6. CLEANING:
A. REMOVE EXCESS ADHESIVE FROM FLOOR AND ADJACENT SURFACES WITHOUT DAMAGE.
B. CLEAN FLOOR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
SECTION 09 6513 – RESILIENT BASE
1. MATERIALS:
A. RESILIENT BASE: AS SCHEDULED ON THE DRAWINGS.
A. PRE-MANUFACTURED INSIDE AND OUTSIDE CORNERS.
B. PRIMERS AND ADHESIVES: TYPES AS RECOMMENDED BY RESILIENT BASE MANUFACTURER FOR SPECIFIC APPLICATION.
2. SAMPLES:
A. PRODUCT DATA: SUBMIT PRODUCT LITERATURE FOR EACH PRODUCT PROPOSED AND ADHESIVES.
B. SUBMITTALS: SUBMIT THREE SAMPLES OF EACH TYPE OF RESILIENT BASE.
C. MAINTENANCE DATA: INCLUDE MAINTENANCE PROCEDURES, RECOMMENDED MAINTENANCE MATERIALS, AND SUGGESTED SCHEDULE FOR CLEANING.
3. INSTALLATION:
A. ADHESIVE INSTALL BASE MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ADHERE TIGHTLY TO WALL AND FLOOR SURFACES.
B. USE MANUFACTURER'S LONGEST LENGTHS. WHERE CUTTING IS NECESSARY, MAINTAIN MINIMUM MEASUREMENT OF 18 INCHES BETWEEN JOINTS.
C. INSTALL BASE TO WALLS, COLUMNS, AND TO WOOD CASEWORK TOE KICKS IN ALL AREAS WHERE RUBBER BASE IS SCHEDULED.
D. SCRIBE AND FIT TO DOOR FRAMES AND OTHER OBSTRUCTIONS.
E. INSTALL STRAIGHT AND LEVEL TO VARIATION OF PLUS OR MINUS 1/4 INCH OVER 10 FEET.
F. FIT JOINTS TIGHT AND VERTICAL.
4. CLEANING:
A. REMOVE EXCESS ADHESIVE FROM FLOOR AND ADJACENT SURFACES WITHOUT DAMAGE.
B. CLEAN FLOOR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

SECTION 09 6813 – TILE CARPETING

- 1. SECTION INCLUDES: CARPET TILE, FULLY ADHERED.
2. SUBMITTALS:
A. SAMPLES: SUBMIT TWO CARPET TILES ILLUSTRATING COLOR AND PATTERN DESIGN FOR EACH CARPET COLOR SELECTED.
B. WARRANTY: FURNISH MANUFACTURER'S STANDARD WARRANTY AGAINST WEAR AND DETERIORATION.
C. MAINTENANCE MATERIALS: EXTRA CARPET TILES: QUANTITY EQUAL TO 5 PERCENT OF TOTAL INSTALLED OF EACH COLOR AND PATTERN INSTALLED.
3. QUALITY ASSURANCE- INSTALLER QUALIFICATIONS: COMPANY SPECIALIZING IN INSTALLING CARPET TILE WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE AND APPROVED BY CARPET TILE MANUFACTURER.
4. PROJECT CONDITIONS:
A. DO NOT INSTALL CARPET UNTIL WET WORK IN SPACES IS COMPLETE AND DRY, AND AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS ARE MAINTAINED AT THE LEVELS INDICATED FOR PROJECT WHEN OCCUPIED AT IT'S INTENDED USE.
B. DO NOT INSTALL CARPET OVER CONCRETE SLABS UNTIL SLABS HAVE CURED AND ARE SUFFICIENTLY DRY TO BOND WITH ADHESIVE AND CONCRETE SLABS HAVE PH RANGE RECOMMENDED BY MANUFACTURER.
5. MATERIALS:
A. CARPET: AS LISTED ON THE MATERIALS AND FINISH LEGEND.
B. ADHESIVES:
1. USE ADHESIVES AS APPROVED BY THE CARPET MANUFACTURERS.
C. LATEX UNDERLAYMENT: PORTLAND CEMENT/LATEX PATCHING AND LEVELING COMPOUND AS SPECIFIED IN SECTION 035470, OR AS OTHERWISE RECOMMENDED BY THE FLOORING ADHESIVE MANUFACTURER.
D. EDGE STRIPS: VINYL REDUCER STRIPS: SIZE AND CONFIGURATION AS APPROPRIATE FOR CONDITIONS; COLOR AS SCHEDULED.
6. PREPARATION:
A. CLEAN FLOORS OF DUST, DIRT, SOLVENTS, OIL, GREASE, PAINT, PLASTER, AND OTHER SUBSTANCES WHICH WOULD BE DETRIMENTAL TO THE PROPER PERFORMANCE OF ADHESIVE AND CARPET.
B. FILL LOW SPOTS AND CRACKS OVER 1/4 INCH IN WIDTH WITH LATEX UNDERLAYMENT.
7. INSTALLATION:
A. CARPET INSTALLATION SHALL BE TIGHT AND FLAT TO THE SUBFLOOR, SECURELY BONDED IN POSITION, AND SHALL PRESENT A UNIFORM APPEARANCE. PROVIDE COLOR, PATTERN, AND TEXTURE MATCH WITHIN EACH AREA. SEAMS SHALL BE STRONG, TIGHTLY BUTTED, AND FLAT.
B. INSTALL CARPETS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
C. CARPET SHALL BE GLUE MOUNTED.
D. VERIFY MATCHING OF CARPET PRIOR TO CUTTING AND ENSURE THAT THERE IS NO VISIBLE VARIATION BETWEEN DYE LOTS.
E. CUT CARPET, WHERE REQUIRED IN A MANNER TO ALLOW PROPER SEAM AND PATTERN MATCH. ENSURE CUTS AND STRAIGHT AND TRUE AND UNFRAYED.
F. MAKE SEAMS STRAIGHT AND UNIFORM.
G. SEAMING SHALL BE MADE BY HAND OR BY HOT TAPE METHODS.
H. DO NOT CHANGE RUN OF PILE IN ANY ONE ROOM.
I. INSTALL EDGING STRIPS WHERE CARPET TERMINATES AT OTHER FLOOR COVERINGS. USE FULL LENGTH PIECES ONLY, BUTT ENDS TIGHT, FLUSH, AND ACCURATELY ALIGNED.
8. CLEANUP:
A. THE PREMISES SHALL BE KEPT FREE FROM UNNECESSARY ACCUMULATION OF TOOLS, EQUIPMENT AND SURPLUS MATERIALS DURING THE PROGRESS OF THE WORK.
B. REMOVE THREADS WITH SHARP SCISSORS. REMOVE SPOTS WITH MANUFACTURER'S RECOMMENDED SPOT REMOVER.
C. THOROUGHLY POWER VACUUM ENTIRE SURFACE USING EQUIPMENT WITH MOTOR DRIVEN BRUSHES.



THE MCKINNEY PARTNERSHIP architects

3600 West Main Suite 200 Norman, Oklahoma 73072 405.360.1400 p 405.364.8287 f tmparch.com

Seal:



Project:

Vision Bank 3600 West Main, Suite 100 Norman, Oklahoma 73072

Issue Date: 06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number: CM093523

Sheet Title: SPECIFICATIONS

Sheet Number:

SP3

SECTION 09 9123 – PAINTING

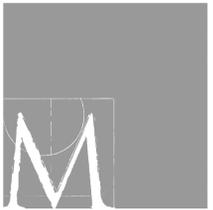
1. MANUFACTURERS
 - A. ACCEPTABLE MANUFACTURERS:
 1. SHERWIN-WILLIAMS
 2. BENJAMIN MOORE
2. SUBMITTALS:
 - A. PRODUCT DATA: SUBMIT PRODUCT LITERATURE FOR EACH PRODUCT PROPOSED.
 - B. SUBMITTALS: SUBMIT THREE PAPER "DRAW DOWN" SAMPLES, 8 1/2" X 11" ILLUSTRATING COLOR FOR EACH PRODUCT SPECIFIED.
 - C. MAINTENANCE DATA: INCLUDE MAINTENANCE PROCEDURES, RECOMMENDED MAINTENANCE MATERIALS.
3. MATERIALS:
 - A. PAINTS:
 1. TYPES: AS SCHEDULED PER DRAWINGS.
 2. FURNISH ALL PAINTS BY THE SAME MANUFACTURER UNLESS SPECIFIED OTHERWISE.
4. ACCESSORIES:
 - A. SURFACE PREPARATION MATERIALS: FORMULATED FOR PARTICULAR APPLICATION.
 - B. THINNERS AND CLEANERS: AS RECOMMENDED BY PAINT MANUFACTURER.
5. MIXING:
 - A. USE FACTORY MIXED PAINTS MATCHING ACCEPTED COLOR SAMPLES.
 - B. UNIFORMLY MIX PAINTS TO THOROUGHLY DISPERSE PIGMENTS PRIOR TO APPLYING.
 - C. DO NOT THIN PAINT IN EXCESS OF MANUFACTURER'S RECOMMENDATIONS.
6. INSTALLATION:
 - A. ALL SURFACES SHALL RECEIVE NOT LESS THAN (2) COATS OF THE APPROPRIATE TYPE OF PAINT.

SECTION 10 4413 – FIRE EXTINGUISHERS AND CABINETS

1. SUMMARY:
 - A. FIRE EXTINGUISHERS
 - B. FIRE EXTINGUISHER CABINETS
2. SUBMITTALS:
 - A. PRODUCT DATA: PROVIDE EXTINGUISHER OPERATIONAL FEATURES.
 - B. SHOP DRAWINGS: INDICATE LOCATIONS OF CABINETS AND CABINET PHYSICAL DIMENSIONS.
 - C. MANUFACTURER'S CERTIFICATE: CERTIFY THAT PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS.
3. MANUFACTURERS:
 - A. ACCEPTABLE MANUFACTURERS:
 1. ANSUL, INC.
 2. J. L. INDUSTRIES, INC.
 3. LARSEN'S MFG. CO.
 4. POTTER-ROEMER, INC.
 5. KIDDE FYNETICS
4. MANUFACTURED UNITS:
 - A. EXTINGUISHERS:
 1. TYPE: MULTI-PURPOSE DRY CHEMICAL, UL 299, CAST STEEL TANK, CLASS 2A-10B:C; 10 POUND NOMINAL CAPACITY.
 2. LABEL TO INDICATE TEST, REFILL, OR RECHARGE SCHEDULES AND RE-CERTIFICATION REQUIREMENTS.
 3. QUANTITY: AS INDICATED ON LSFLD LIFE SAFETY PLAN, OR AS DIRECTED BY LOCAL FIRE MARSHAL.
 - B. CABINET: SEMI-RECESSED TYPE, SIZED TO ACCOMMODATE EXTINGUISHER.
 - C. FINISHES:
 1. EXTINGUISHERS: BAKED ENAMEL, COLOR: RED
 2. CABINET:
 - A. FINISH OF CABINET EXTERIOR TRIM AND DOOR: NO. 4 – BRUSHED STAINLESS STEEL
 - B. FINISH OF CABINET INTERIOR: WHITE COLORED ENAMEL.
5. EXECUTION:
 - A. INSTALL EXTINGUISHERS WITH THE BOTTOM LOCATED AT 26 INCHES (MAX.) ABOVE THE FINISHED FLOOR IN LOCATIONS AS SHOWN ON DRAWINGS OR AS DIRECTED BY LOCAL FIRE MARSHAL.
 - B. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - C. INSTALL CABINETS PLUMB AND LEVEL IN WALL OPENINGS.

SECTION 10810 – TOILET ACCESSORIES

1. MANUFACTURERS:
 - A. ACCEPTABLE MANUFACTURERS:
 1. BOBRICK WASHROOM EQUIPMENT, INC.
 - B. EQUIVALENT PRODUCTS BY FOLLOWING MANUFACTURERS ARE ACCEPTABLE:
 1. A AND J WASHROOM ACCESSORIES, INC.
 2. AMERICAN SPECIALTIES, INC.
 3. BRADLEY CORP.
2. MATERIALS:
 - A. STAINLESS STEEL:
 1. SHEET: ASTM A 167, TYPE 304
 2. TUBING: ASTM A 269
 - B. GALVANIZED STEEL: ASTM A 366
 - C. MIRROR GLASS: ASTM C 1036, TYPE I, CLASS 1, QUALITY Q1
3. ACCESSORIES:
 - A. FASTENERS: STAINLESS STEEL WHERE EXPOSED, HOT DIP GALVANIZED WHERE CONCEALED; TYPE BEST SUITED TO SUBSTRATE CONDITIONS.
4. EXECUTION:
 - A. USE STAINLESS STEEL FOR EXPOSED SURFACES; GALVANIZED STEEL MAY BE USED IN CONCEALED LOCATIONS.
 - B. FORM EXPOSED SURFACES FROM SINGLE SHEET OF STOCK, FREE FROM JOINTS, FLAT, WITHOUT DISTORTION.
 - C. WELD JOINTS OF FABRICATED COMPONENTS AND GRIND SMOOTH.
 - D. FABRICATE GRAB BARS OF TUBING, FREE OF VISIBLE JOINTS, RETURN TO WALL WITH END ATTACHMENT FLANGES. KNURL GRIP SURFACES.
 - E. PROVIDE HANGERS, ADAPTERS, ANCHOR PLATES, AND ACCESSORIES REQUIRED FOR INSTALLATION.
 - F. FRAMED MIRRORS:
 1. FRAME: ONE PIECE, ROLL FORMED STAINLESS STEEL CHANNEL, 1/2 X 1/2 INCH, W/ CORNERS MITERED.
 2. MIRROR: APPLY (1) COAT OF SILVER AND (1) COAT OF ELECTROPLATED COPPER TO BACK SURFACE OF GLASS.
 3. BACKING: GALVANIZED STEEL SHEET.
 4. ISOLATE GLASS FROM FRAME AND BACKING WITH RESILIENT, WATERPROOF PADDING.
 - G. SHOP ASSEMBLE UNITS AND PACKAGE COMPLETE WITH ANCHORS AND FITTINGS.
 - H. FINISHES:
 1. STAINLESS STEEL: NO. 4 SATIN.
 2. GALVANIZING: ASTM A 123 TO 1.25 OUNCES PER SQUARE FOOT.
 3. CHROME PLATING: ASTM B 456, TYPE SC 2, POLISHED FINISH.
5. INSTALLATION:
 - A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - B. SET PLUMB, LEVEL, SQUARE, AND RIGIDLY ANCHORED.
 - C. CONFORM TO APPLICABLE CODE FOR LOCATING ACCESSORIES FOR HANDICAP ACCESS.
6. SCHEDULE:



THE MCKINNEY
PARTNERSHIP
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

**Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072**

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

SPECIFICATIONS

Sheet Number:

SP4

| LIGHT FIXTURE SCHEDULE | | | | |
|------------------------|--------|--|--------------|---|
| TYPE | SYMBOL | DESCRIPTION | MANUFACTURER | REFERENCE CATALOG # |
| B | | 2X2 RECESSED LED FIXTURE. 30W, 3411 LUMENS, 4000K CCT, 80 CRI 0-10V DIMMING. | LITHONIA | ENVX 2X2 3300LM 80CRI 40K MN1 ZT MVOLT |
| BE | | 2X2 RECESSED LED FIXTURE. 30W, 3411 LUMENS, 4000K CCT, 80 CRI 0-10V DIMMING, 90 MIN BATTERY BACKUP. | LITHONIA | ENVX 2X2 3300LM 80CRI 40K MN1 ZT MVOLT E10WLCP |
| C | | 8" ROUND RECESSED LED DOWNLIGHT FIXTURE. 13W, 1328 LUMENS, 4000K CCT, 80 CRI. 0-10V DIMMING, WET LOCATION RATED. | LITHONIA | LBRE AL02 SW11 AR LSS MWD MVOLT UG2 QDS |
| CE | | 8" ROUND RECESSED LED DOWNLIGHT FIXTURE. 13W, 1328 LUMENS, 4000K CCT, 80 CRI. 0-10V DIMMING, WET LOCATION RATED, 90 MIN BATTERY BACKUP. | LITHONIA | LBRE AL02 SW11 AR LSS MWD MVOLT UG2 QDS |
| D | | 2' LINEAR WALL MOUNTED VANITY FIXTURE. 27W, 1690 LUMENS, 4000K CCT, 80 CRI. 0-10V DIMMING. | LITHONIA | FWVCLS 24IN MVOLT 30K35K40K 90CRI BN M6 |
| EX | | UNIVERSAL MOUNTING LED EDGE LIT EXIT SIGN, BRUSHED ALUMINUM FACE WITH RED LETTERS. | LIFE SAFETY | LSXELU SA LR 1 XX CR |
| F | | 4' LINEAR RECESSED LED FIXTURE. 20 W/FT, INDIRECT 200LM/FT, DIRECT 500LM/FT, 3500K CCT, 80 CRI. 0-10V DIMMING | AXIS | SCDIMLO 10'200/50 500/055 BLK 90 35 AP UNV DP 1 CT936 |
| G | | UNDERCABINET MOUNTED LED FIXTURE. 17.5W, 1075 LUMENS, 3500K CCT, 80 CRI. 0-10V DIMMING. | WAC LIGHTING | BA-AC30-CS-WT |
| J | | 2' 6"W LINEAR SUSPENDED LED FIXTURE. 20 W/FT, INDIRECT 300LM/FT, DIRECT 400LM/FT, 3500K CCT, 90 CRI. 0-10V DIMMING | AXIS | SCDI 300/400 90 35 BW/0.5M 2'6"X8' AP UNV DP 1 CT936 RS RC |

GENERAL NOTES:
EQUIVALENT ALTERNATE LIGHT FIXTURES MAY BE PROVIDED FOR BIDDING PURPOSES. THE ENGINEER DOES NOT TAKE RESPONSIBILITY FOR ENSURING ALTERNATE LIGHT FIXTURES USED FOR BIDDING ARE EQUAL; THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALTERNATE FIXTURES ARE EQUIVALENT TO THOSE SPECIFIED PRIOR TO BID. THE WINNING BID PACKAGE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW IN ACCORDANCE WITH THE SPECIFICATIONS.

| SWITCH LEGEND | |
|------------------|--------------------------------------|
| SYMBOL | DESCRIPTION |
| \$ | 20A, 120/277V SPST SWITCH |
| \$ _g | 20A, 120/277V LETTER INDICATES GROUP |
| \$ _D | DIMMER SWITCH |
| \$ _{OC} | OCCUPANCY SENSOR SWITCH |

GENERAL NOTE:
SEE SPECIFICATIONS FOR MANUFACTURERS

| OCC SENSOR SCHEDULE | |
|---------------------|--|
| SYMBOL | DESCRIPTION |
| | MULTI-TECHNOLOGY, CEILING MOUNTED OCCUPANCY SENSOR CAPABLE OF DISABLING AUTO ADAPTING FEATURE. PROVIDE WITH RELAY/POWER PACKS AS REQUIRED PER PLAN. (LOW VOLTAGE) |

GENERAL NOTES:

- E.C. SHALL CONTACT ARCHITECT FOR COLOR SELECTION PRIOR TO ORDER OF ANY SENSOR.
- FOR CEILING SPACES 14 FT. A.F.F. PIR TYPE CEILING MOUNTED SENSORS SHALL BE USED.
- WALL MOUNTED DEVICES TO MATCH MANUAL LIGHTING CONTROL.

| RECEPTACLE SCHEDULE | |
|---------------------|---|
| SYMBOL | DESCRIPTION |
| | DUPLEX RECEPTACLE |
| | 20A, 120V, 2P, 3W GROUNDING DUPLEX RECEPTACLE |
| | RECEPTACLE MTD. 6" ABOVE COUNTER OR HGT SHOWN |
| | GFCI RECEPTACLE |
| | 20A, 120V, 2P, 3W GROUNDING DUPLEX GFCI RECEPTACLE - WEATHER PROOF (IN USE COVER) |
| | FLOOR BOX |
| | JUNCTION BOX, AS NOTED |
| | QUADPLEX RECEPTACLE |

GENERAL NOTE:
SEE SPECIFICATIONS FOR MANUFACTURERS

| ELECTRICAL ABBREVIATIONS | | | |
|--------------------------|-----------------------------|-------|--------------------------|
| AC | ABOVE COUNTERTOP | MC | MECHANICAL CONTRACTOR |
| AFF | ABOVE FINISH FLOOR | MCA | MINIMUM CIRCUIT AMPS |
| AFG | ABOVE FINISH GRADE | MDP | MAIN DISTRIBUTION PANEL |
| ANNC | ANNUNCIATOR | MTD | MOUNTED |
| CC | CONTROLS CONTRACTOR | NIC | NOT IN CONTRACT |
| DF | DRINKING FOUNTAIN | OCC | OCCUPANCY |
| EC | ELECTRICAL CONTRACTOR | PC | PLUMBING CONTRACTOR |
| EF | EXHAUST FAN | PNL | PANEL |
| EX | EXISTING | SPST | SINGLE POLE SINGLE THROW |
| EXR | EXISTING RELOCATED | TTB | TELEPHONE TERMINAL BOARD |
| GC | GENERAL CONTRACTOR | TYP | TYPICAL |
| GFI | GROUND FAULT INTERRUPT | WG | WIRE GUARD |
| HP | HORSEPOWER | WP | WEATHER PROOF |
| IBC | INTERNATIONAL BUILDING CODE | 20A | 20 AMP |
| IG | ISOLATED GROUND | ø | PHASE |
| LV | LOW VOLTAGE | 3W | 3 WIRE |
| LVRP | LV RELAY PANEL | 1P20A | SINGLE POLE 20 AMP |

| GENERAL ELECTRICAL NOTES | |
|--------------------------|--|
| 1. | CONTRACTOR TO VERIFY EXISTING ELECTRICAL CONDITIONS AND NOTIFY ARCHITECT/ENGINEER OF ANY ELECTRICAL OR CODE ISSUES PRIOR TO BID. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL CODE COMPLIANT SYSTEM. |
| 2. | ALL WORK SHALL BE IN CONFORMANCE WITH NATIONAL, STATE, AND LOCAL CODES AND/OR ORDINANCES. |
| 3. | ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER CONTRACTORS & LOCAL UTILITY. E.G. SHALL CONTACT LOCAL UTILITY FOR EXACT SERVICE REQUIREMENTS TO INCLUDE BUT NOT LIMITED TO TRANSFORMER, METERING AND CABLING. LOCAL UTILITY REQUIREMENTS SUPERSEDE DRAWINGS AND SPECIFICATIONS. |
| 4. | SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. |
| 5. | ELECTRICAL DRAWINGS ARE DIAGRAMMATIC ONLY. THEY ARE INTENDED TO GIVE APPROXIMATE LOCATIONS AND OVERALL DESIGN INTENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTS, MATERIALS, AND ELECTRICAL METHODS WHICH HAVE NOT BEEN SHOWN OR INDICATED BUT ARE REQUIRED FOR A COMPLETE SYSTEM TO THE STANDARDS OF THE INDUSTRY. |
| 6. | INSTALL LIGHTING FIXTURES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE SUPPORTING DEVICES FOR ADEQUATE SUPPORT OF FIXTURES FROM STRUCTURE. |
| 7. | UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE TESTED FOR CONTINUITY, GROUNDS, AND SHORT CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL DEMONSTRATE PROPER PERFORMANCE OF ALL SYSTEMS. ALL DEFECTIVE WORK OR MATERIALS SHALL BE REPLACED OR REPAIRED AS NECESSARY AND RETESTED. |
| 8. | ELECTRICAL RACEWAYS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE SLEEVED AND SEALED AS PER THE LOCAL BUILDING CODE. |

| ELECTRICAL LEGEND | |
|-------------------|------------------------------------|
| | PANEL BOARD |
| | DISTRIBUTION PANEL BOARD |
| | TRANSFORMER |
| | UTILITY METER |
| | SEPARATE CIRCUIT BREAKER |
| | DISCONNECT |
| | FUSED DISCONNECT SWITCH |
| | EMERGENCY FUSED DISCONNECT SWITCH |
| | MOTOR STARTER/CONTRACTOR |
| | COMBINATION MOTOR STARTER |
| | PUSH BUTTON STATION AS NOTED |
| | PULL BOX, SIZE AS REQUIRED BY CODE |
| | ELECTRICAL CONNECTION |
| | MOTOR CONNECTION |
| | HOME RUN TO PANEL BOARD |

| ELECTRICAL SHEET INDEX | |
|------------------------|--------------------------------------|
| E0.0 | ELECTRICAL TITLE SHEET |
| E0.1 | ELECTRICAL SHEET SPECIFICATIONS |
| E1.1 | ELECTRICAL LIGHTING PLAN |
| E2.1 | ELECTRICAL POWER PLAN |
| E4.1 | ELECTRICAL EXISTING ONE-LINE DIAGRAM |
| E5.1 | ELECTRICAL DETAILS |
| E6.1 | ELECTRICAL SCHEDULES |



THE MCKINNEY
PARTNERSHIP
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

ELECTRICAL
TITLE SHEET

Sheet Number:

E0.0



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

GENERAL ELECTRICAL SPECIFICATIONS

GENERAL NOTES AND ELECTRICAL SPECIFICATIONS

CODE INFORMATION

APPLICABLE CODES INCLUDE BUT ARE NOT LIMITED TO: NATIONAL ELECTRICAL CODE (2017 N.E.C.), INTERNATIONAL BLDG CODE 2018, LIFE SAFETY CODE (NFPA 101), AMERICANS WITH DISABILITIES ACT, AND ALL LOCAL CODES AND AMENDMENTS.

BASIC ELECTRICAL REQUIREMENTS

PERMITS AND CODES: OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND REQUIRED INSPECTIONS. COMPLY WITH ALL NATIONAL, STATE AND MUNICIPAL LAWS, CODES AND ORDINANCES RELATING TO BUILDING AND PUBLIC SAFETY. PROVIDE ANY REQUIRED TEMPORARY POWER AND UTILITIES FOR ALL TRADES AND ALL CONSTRUCTION TRAILERS. PROVIDE TEMPORARY CONSTRUCTION LIGHTING AND POWER. ELECTRICAL CONTRACTOR SHALL INCLUDE TEMPORARY ELECTRIC. ALL TEMPORARY ELECTRIC SHALL BE IN ACCORDANCE WITH OSHA CONSTRUCTION STANDARDS 29FCR, PART 1926 AND ARTICLE 590 OF THE 2008 NATIONAL ELECTRICAL CODE. TEMPORARY LIGHTING AND POWER SHALL BE PROVIDED IN ACCORDANCE WITH OSHA STANDARDS. THE OSHA MINIMUM ILLUMINATION IS 5 FOOTCANDLES IN GENERAL CONSTRUCTION AREAS, AND 10 FC IN MECHANICAL / ELECTRICAL ROOMS AND WORKROOMS. INCLUDED ARE CONNECTIONS TO ALL CONSTRUCTION TRAILERS. THE COST OF THIS WORK IS TO BE INCLUDED IN THE BASE ELECTRICAL BID FOR THE PROJECT.

VISITING THE JOB SITE

VISIT THE SITE OF THE PROPOSED CONSTRUCTION IN ORDER TO FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF THE WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED THIS CONTRACTOR FOR WORK OR ITEMS OMITTED FROM HIS ORIGINAL PROPOSAL DUE TO HIS FAILURE TO INFORM HIMSELF REGARDING SUCH MATTERS AFFECTING THE PERFORMANCE OF THE WORK UNDER THIS CONTRACT OR NECESSARY FOR THE INSTALLATION AND COMPLETION OF THE WORK INCLUDED HEREIN.

DRAWINGS

DRAWINGS ARE DIAGRAMMATIC, CONFIRM DIMENSIONS & LOCATIONS IN THE FIELD. IF CONFLICTING DIMENSIONS ARE SHOWN, USE LARGER DIMENSIONS AND VERIFY WITH ARCHITECT. SEE ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF FIXTURES AND WALL MOUNTED DEVICES.

MATERIAL

ALL MATERIALS SHALL BE NEW, MADE IN USA AND U.L. LISTED. MATERIAL INSTALLATION SHALL COMPLY WITH NEC REQUIREMENTS AND PERFORM BY CRAFTSMEN SKILLED IN THIS PARTICULAR WORK.

EQUIPMENT PROTECTION

PROTECT EQUIPMENT AND WORK FROM DAMAGE DURING HANDLING AND INSTALLATION UNTIL COMPLETION OF CONSTRUCTION.

COOPERATION WITH OTHER TRADES

COOPERATION WITH TRADES OF ADJACENT, RELATED OR AFFECTED MATERIALS OR OPERATIONS, AND WITH TRADES PERFORMING CONTINUATIONS OF THIS WORK UNDER SUBSEQUENT CONTRACTS, IS CONSIDERED A PART OF THIS WORK IN ORDER TO EFFECT TIMELY AND ACCURATE PLACING OF WORK AND TO BRING TOGETHER, IN PROPER AND CORRECT SEQUENCE, THE WORK OF SUCH TRADES. PROVIDE OTHER TRADES, AS REQUIRED, ALL NECESSARY TEMPLATES, PATTERNS, SETTING PLANS AND SHOP DETAILS FOR THE PROPER INSTALLATION OF THE WORK AND FOR THE PURPOSE OF COORDINATING ADJACENT WORK. ELECTRICAL POWER CONNECTIONS FOR MECHANICAL AND PLUMBING EQUIPMENT ARE IN THIS DIVISION UNLESS NOTED OTHERWISE. VERIFY ELECTRICAL CHARACTERISTICS OF ALL IN THIS DIVISION UNLESS NOTED OTHERWISE. VERIFY ELECTRICAL CHARACTERISTICS OF ALL EQUIPMENT WITH DIVISION 15 AND OTHER SPECIAL DIVISIONS (ELEVATORS ETC) BEFORE ROUGHING IN THE ELECTRICAL CONNECTIONS AND ENERGIZING THE EQUIPMENT. MECH/PLUMBING/SPECIAL EQPT ACCESS AND CLEARANCE AREAS: REMOVE ANY IMPROPERLY INSTALLED ELECTRICAL EQPT AND CONDUIT THAT ARE LIMITING PROPER ACCESS FOR EQPT SERVICE AND MAINTENANCE.

LOSS OR DAMAGE TO FACILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOSS OR DAMAGE TO THE FACILITIES CAUSED BY HIM AND HIS WORKMEN, AND SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING SUCH LOSS OR DAMAGE. THE CONTRACTOR SHALL SEND PROPER NOTICES, MAKE NECESSARY ARRANGEMENTS, AND PERFORM OTHER SERVICES REQUIRED FOR THE CARE, PROTECTION AND IN-SERVICE MAINTENANCE OF ALL ELECTRICAL SERVICES FOR THE NEW FACILITIES. THE CONTRACTOR SHALL ERECT TEMPORARY BARRICADES, WITH NECESSARY SAFETY DEVICES, AS REQUIRED TO PROTECT PERSONNEL AND THE GENERAL PUBLIC FROM INJURY, REMOVING ALL SUCH TEMPORARY PROTECTION UPON COMPLETION OF THE WORK.

THE CONTRACTOR SHALL MODIFY, REMOVE AND/OR REPLACE ALL MATERIALS AND ITEMS SO INDICATED ON THE DRAWINGS OR REQUIRED BY THE INSTALLATION OF NEW FACILITIES. SALVAGE MATERIALS SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED TO SUCH DESTINATION AS DIRECTED BY THE OWNER. DISPOSE OF SALVAGE MATERIAL IF NOT RETAINED BY OWNER. WHERE EXISTING CONSTRUCTION IS REMOVED TO PROVIDE WORKING AND EXTENSION ACCESS TO EXISTING FACILITIES, CONTRACTOR SHALL REMOVE CEILING GRIDS, TILES, DOORS, PIPING, AIR CONDITIONING DUCTWORK AND EQUIPMENT, ETC., TO PROVIDE THIS ACCESS AND SHALL REINSTALL EVERY 5 FEET UPON COMPLETION OF WORK IN THE AREAS AFFECTED.

WORK IN OCCUPIED AREAS

WORK IN, ABOVE, BELOW OR NEAR OCCUPIED AREAS SHALL BE AT OWNER'S CONVENIENCE AND MAY BE DURING EVENINGS OR WEEKENDS. SCHEDULE ALL REQUIRED POWER OUTAGES A MINIMUM OF 7 DAYS IN ADVANCE WITH FACILITY ENGINEER. DO NOT TURN OFF ANY POWER SOURCES. ONLY FACILITY ENGINEER OR HIS AUTHORIZED REPRESENTATIVE MAY DO SO.

CLEAN UP

- PROVIDE FOR ISOLATION OF WORK AREAS AND DAILY REMOVAL OF DEBRIS.
- CLEAN ALL EQUIPMENT AND FIXTURE LENSES.
- REPLACE ALL BURNED OUT LAMPS.
- TOUCH UP WITH PAINT WHERE REQUIRED.

SUBMITTAL DATA

SUBMITTALS ARE REQUIRED BUT NOT LIMITED TO THE FOLLOWING EQUIPMENT: BRANCH CIRCUIT PANELBOARDS, TRANSFORMERS, SWITCHES, CONDUIT/FITTINGS, WIRES, DEVICES, LIGHTING FIXTURES, ETC. ALTERNATE EQUIPMENT SHALL BE APPROVED BY ARCHITECT/OWNER.

SHOP DRAWINGS

SHOP DRAWINGS AS REQUIRED SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AT NO ADDITIONAL COST TO THE ARCHITECT. THESE SHOP DRAWINGS SHALL BE PREPARED TO INDICATE INSTALLATION AT MAJOR EQUIPMENT WHERE SPECIAL COORDINATION PROBLEM EXIST. OVERCURRENT & SAFETY DISCONNECT DEVICES FOR HVAC EQPT; OVERCURRENT (OC) & DISCONNECT DEVICES SHOWN ON PLANS ARE BASED ON A SPECIFIC HVAC EQUIPMENT MANUFACTURER. HVAC CONTRACTOR MAY SUBMIT OTHER MANUFACTURERS, DIFFERENT MODELS OR RATINGS. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE OC/DISCONNECT DEVICES WITH THE HVAC CONTRACTOR PRIOR TO SUBMITTING SUCH TO ENGINEER'S REVIEW. ANY DEVIATIONS FROM SIZES SHOWN ON DRAWINGS MUST BE NOTED IN THE SUBMITTALS. THE ELECTRICAL CONTRACTOR MUST CERTIFY THAT HE HAS REVIEWED AND COORDINATED WITH THE HVAC CONTRACTOR AND THAT ALL OC/DISCONNECT DEVICES SUBMITTED MATCH THE HVAC EQPT REQUIREMENTS. SHOP DRAWINGS WITHOUT SUCH CERTIFICATION WILL BE RETURNED TO THE CONTRACTOR. ONLY SUBMITTALS WITH SUCH CERTIFICATION WILL BE REVIEWED.

COMPLETE SYSTEMS

ALL SYSTEMS SHALL BE COMPLETE AND WORKING AT COMPLETION OF CONSTRUCTION.

FINAL INSPECTION & OPERATING TESTS

ALL ELECTRICAL SYSTEMS MUST BE CHECKED FOR PROPER POLARITY AND SEQUENCE. ALL MOTORS MUST BE CHECKED FOR PROPER ROTATION AND ALL EQUIPMENT (INCLUDING HVAC, ELEVATOR AND SPECIAL EQUIPMENT) CHECKED FOR PROPER VOLTAGE AND PHASING REQUIREMENTS. PRIOR TO THE APPLICATION OF ANY POWER, THE CONTRACTOR MUST CERTIFY THAT ALL CONNECTED EQUIPMENT MATCH THE CHARACTERISTICS OF THE SUPPLY CIRCUIT VOLTAGE, PHASING AND FEEDER REQUIREMENTS.

AT THE TIME DESIGNATED BY THE ARCHITECT, THE ENTIRE SYSTEM SHALL BE INSPECTED BY THE ARCHITECT AND THE ENGINEER. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE PRESENT AT THIS INSPECTION. AFTER ALL SYSTEMS HAVE BEEN COMPLETED AND PUT INTO OPERATION, SUBJECT EACH SYSTEM TO AN OPERATING TEST UNDER DESIGN CONDITIONS TO ENSURE PROPER SEQUENCE AND OPERATION THROUGHOUT THE RANGE OF OPERATION. MAKE ADJUSTMENTS AS REQUIRED TO ENSURE PROPER FUNCTIONING OF ALL SYSTEMS. SPECIAL TESTS ON INDIVIDUAL SYSTEMS ARE SPECIFIED UNDER INDIVIDUAL SECTIONS.

THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT DRAWINGS IN PDF FORMAT TO THE ARCHITECT. AFTER THE INSPECTION, ANY ITEMS WHICH ARE NOTED AS NEEDING TO BE CHANGED OR CORRECTED IN ORDER TO COMPLY WITH THESE SPECIFICATIONS AND THE DRAWINGS SHALL BE ACCOMPISHED WITHOUT DELAY.

GUARANTEE

GUARANTEE ALL WORK AND MATERIALS FURNISHED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE TENANT AND ARCHITECT. GUARANTEE SHALL INCLUDE: ALL LABOR, PARTS, TRAVEL/SUBSISTENCE, SOFTWARE CHANGES / RE-PROGRAMMING, ETC.

SHORT CIRCUIT CALCULATION, PROTECTIVE DEVICE COORDINATION AND ARC FLASH STUDIES

PROVIDE SHORT CIRCUIT CALCULATION, PROTECTIVE DEVICE COORDINATION AND ARC FLASH HAZARD STUDIES. STUDIES SHALL ENCOMPASS ELECTRICAL DISTRIBUTION SYSTEM FROM NORMAL POWER SOURCE OR SOURCES TO AND INCLUDING BRANCH BREAKERS IN EACH PANELBOARD. PREPARE STUDY PRIOR TO ORDERING DISTRIBUTION EQUIPMENT TO VERIFY EQUIPMENT RATINGS REQUIRED. SUBMIT REPORT WITH EQUIPMENT SUBMITTALS FOR ENGINEER'S REVIEW. PERFORM STUDY WITH AID OF COMPUTER SOFTWARE PROGRAMS. REPORT SHALL INCLUDE: (A) CALCULATION METHODS AND ASSUMPTIONS, (B) ONE LINE DIAGRAM, (C) STATE CONCLUSIONS AND RECOMMENDATIONS. STUDIES AND REPORT SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS PERMITTED. CONTRACTOR SHALL PROVIDE WARNING LABELS ON ELECTRICAL EQUIPMENT INDICATING INCIDENT ENERGY LEVEL, LEVEL OF HAZARD AND THE REQUIRED PERSONAL PROTECTION EQUIPMENT. EQUIPMENT SHALL INCLUDE, BUT NOT LIMITED TO, SWITCHBOARDS, DISTRIBUTION PANELS, MOTOR CONTROL CENTERS, PANELS, CONTACTORS, DISCONNECT SWITCHES AND MOTOR STARTERS.

CONDUIT

CONDUIT SHALL BE RIGID GALVANIZED STEEL (RGS) OR ELECTRICAL METALLIC TUBING (EMT) AS MANUFACTURED BY ALIED, TRIANGLE OR WHEATLAND. INDOORS ABOVE GRADE: EMT OR RGS. OUTDOORS ABOVE GRADE: STUB-UPS, OR ON ROOF: RGS, IMC. BELOW GRADE: SCHEDULE 40 OR 80 PVC OR RGS. PROVIDE TRANSITION FITTINGS FROM PVC SCH 40 OR 80 TO RGS FOR ALL ABOVE GRADE CONDUIT. ALL UNDERGROUND CONDUIT SHALL HAVE 40-MIL THICK EXTERNAL PVC COATING FOR CORROSION PROTECTION. UNDERGROUND CONDUIT MINIMUM SIZE 3/4". MINIMUM 24" BURIAL DEPTH FROM FINISHED GRADE TO TOP OF CONDUIT, PROVIDE DEEPER BURIAL DEPTH IF REQUIRED BY LOCAL CODES. PROVIDE CONCRETE ENCASUREMENT FOR ALL INCOMING SERVICE CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE RED DETECTABLE WARNING TAPE OVER ENTIRE RUN OF SERVICE AND MAJOR CONDUIT RUNS. UNDER SLAB: RGS, SCHEDULE 80 PVC. INSTALL GROUND WIRES WHERE SHOWN ON THE DRAWINGS. COMPRESSION OR SET-SCREW TYPE FITTINGS MAY BE USED FOR EMT. MINIMUM CONDUIT SIZE 1/2" INCH, HOWEVER HOMERUN TO PANEL SHALL BE MINIMUM 3/4" INCH. TYPE "MC" METAL CLAD CABLE IS ACCEPTABLE ONLY IF APPROVED BY THE OWNER IN WRITING AND THE LOCAL AUTHORITY. MC CABLE, IF APPROVED, HOWEVER, MAY BE USED ONLY FOR DROPS FROM CEILING PLENUM JUNCTION BOXES TO RECEPTACLES AND LIGHT SWITCHES IN WALLS. MC CABLE MAY ALSO BE USED AS FIXTURE WHIPS FROM CEILING PLENUM JUNCTION BOXES TO LIGHT FIXTURES, WHIPS MUST BE 6-FT OR LESS. HOMERUN CIRCUITS TO PANELS SHALL BE IN CONDUIT, MC HOMERUN TO PANELS ARE NOT ACCEPTABLE.

TYPE "AC" ARMORED CABLE (COMMONLY REFERRED TO AS "BX") IS NOT ACCEPTABLE AND SHALL NOT BE USED. ELECTRICAL NONMETALLIC TUBING (ENT, NEC ARTICLE 362) SHALL NOT BE USED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER. FLEXIBLE CONDUIT SHALL BE UTILIZED AS FINAL CONNECTIONS (3'-5' ONLY) AT THE FOLLOWING EQUIPMENT: MOTORS, LIGHTING FIXTURES, HEATER, POWER SUPPLIES, AND ANY OTHER VIBRATION PRODUING EQUIPMENT. UTILIZE 1/2" FLEXIBLE METALLIC CONDUIT MINIMUM AND INCLUDE A GREEN GROUND WIRE. USE SEALTITE IN WET LOCATIONS SUCH AS OUTDOOR CONDENSING UNITS, WALK-IN COOLERS/FREEZERS, KITCHEN ROOFTOP HVAC EQPT, ETC. CONDUIT SHALL BE SUPPORTED FROM STRUCTURE EVERY 5 FEET AND WITHIN 3 FEET OF ALL BOXES. USE LOCKNUTS INSIDE AND OUT AT BOXES. MAINTAIN MINIMUM 12" SEPARATION FROM ALL HIGH TEMPERATURE PIPES. ALL CONDUIT RUNS SHALL BE INSTALLED EITHER PARALLEL OR PERPENDICULAR TO BUILDING LINES. ROUTE CONDUIT AS DIRECTLY AS POSSIBLE WITH LARGEST RADIUS BENDS POSSIBLE. MAKE BENDS WITH STANDARD ELLS OR BENDS PER NEC. PROVIDE EXPANSION FITTINGS IF CONDUIT CROSSES STRUCTURAL EXPANSION JOINT. ALL CONDUIT ON ROOF SHALL BE SUPPORTED BY AN ENGINEERED, PREFABRICATED PORTABLE PIPE SYSTEM SPECIFICALLY DESIGNED TO BE INSTALLED ABOVE FINISHED ROOF WITHOUT ROOF PENETRATIONS, FLASHINGS OR DAMAGE TO ROOF MEMBRANE. PROVIDE MANUFACTURED PIPE HANGER SYSTEMS SIMILAR TO PHP (PHONE 713-672-5088, 800-797-6585). PROVIDE SSB-C FOR CONDUIT UP TO 2 1/2", FOR CONDUIT 3 1/2" AND SMALLER PROVIDE PPH10 WITH STRUT, FOR CONDUIT 4" AND LARGER PROVIDE PSE-CUSTOM OR PPH-D. SUPPORT AT INTERVAL NOT TO EXCEED 10' ON CENTER, AND WITHIN 5' OF ANY DEFLECTION OF CONDUIT. CLEAN CONDUIT INTERIOR AFTER INSTALLATION; COAT SCRATCHES WITH ZINC PAINT. PROVIDE PULL WIRE IN ALL CONDUIT (POWER, FIRE ALARM, TELEPHONE AND OTHER COMMUNICATION CONDUIT). PULL WIRE ALSO REQUIRED IN ALL SPARE CONDUIT. PROJECT RECORD DOCUMENTS: ACCURATELY RECORD ACTUAL ROUTING OF ALL UNDERSLAB AND UNDERGROUND CONDUITS; INCLUDE DIMENSIONS FROM KEY BUILDING POINTS AND DEPTH OF COVER.

BOXES

OUTLET BOXES: SHALL BE GALVANIZED STEEL SUITABLE FOR LOCATION. CEILING OUTLET BOXES SHALL BE 4" OCTAGON. WALL OUTLET BOXES SHALL BE PROPER DESIGN TO ACCOMMODATE THE DEVICES REQUIRED - 4 INCH SQUARE WITH RAISED COVER. PROVIDE RACO, STEEL CITY OR APPLETON. ALL J-BOXES / SPLICE BOXES MUST BE ACCESSIBLE.

JUNCTION /PULL BOXES: (A) FOR EACH CONDUIT RUN: PROVIDE ONE JUNCTION/PULL BOX FOR EACH EQUIVALENT THREE QUARTER BENDS (270"). (B) UNDERGROUND FEEDERS: MINIMUM ONE PULL BOX FOR EACH 350 FEET <500 FEET> OF CONDUIT RUN.

BUILDING WIRE AND CABLE

WIRE: (TRIANGLE, AMERICAN INSULATED CABLE CO., OR CABLEC) ALL WIRING SHALL BE IN CONDUIT (EXCEPT PLENUM RATED LOW VOLTAGE CABLES). ALL WIRES MUST BE 75°C RATED OR BETTER, 60°C RATED WIRE SHALL NOT BE USED. 90°C RATED WIRE MAY BE USED BUT ONLY AT 75°C AMPACITY.

- MINIMUM SIZE #12 EXCEPT CONTROLS MAY BE #14. USE #10 CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 100 FEET. USE #10 CONDUCTORS FOR 20 AMPERE, 277 VOLT BRANCH CIRCUITS LONGER THAN 200 FEET.
- TYPE THIN/THIN STRANDED COPPER THERMOPLASTIC IN DRY LOCATIONS.
- TYPE THIN IN WET LOCATIONS (OUTDOOR, UNDERGROUND, ON ROOF, ...).
- ALL WIRE SHALL BE 98% CONDUCTIVITY COPPER, 600 VOLT, NO ALUMINUM WIRES.
- WIRE #10 AND SMALLER MAY BE SOLID OR STRANDED, #8 OR LARGER SHALL BE STRANDED.
- COMMUNICATION WIRES (FIRE ALARM, TELEPHONE, HVAC THERMOSTAT, DATA ETC.): PLENUM RATED LOW-SMOKE CABLE MAY BE USED IN LIEU OF WIRE/CONDUIT TYPE INSTALLATION. ALL PLENUM RATED CABLE SHALL BE PROPERLY SUPPORTED BY BRIDAL RINGS, CABLE TIES, CLIPS ETC MADE BY ERICO (CADDY COMMUNICATION FASTENERS) OR EQUAL. DO NOT USE SCRAP WIRE TO WRAP AND SUPPORT COMMUNICATION WIRES. HOMEMADE SUPPORT DEVICES ARE NOT ACCEPTABLE. DO NOT LAY COMMUNICATION CABLE DIRECTLY ON TOP OF CEILING TILES, INSTALL CABLES A MINIMUM OF 12" ABOVE CEILING TILES AND 12" FROM HVAC DUCTWORK. PROVIDE MINIMUM 6" SEPARATION BETWEEN POWER CONDUIT AND COMMUNICATION WIRINGS.

FIELD INSULATION TESTING

INSULATION RESISTANCE OF ALL CONDUCTORS SHALL BE TESTED. EACH CONDUCTOR SHALL HAVE ITS INSULATION RESISTANCE TESTED AFTER THE INSTALLATION IS COMPLETED AND ALL SPLICES, TAPS AND CONNECTIONS ARE MADE EXCEPT CONNECTION TO OR INTO ITS SOURCE AND POINT (OR POINTS) OF TERMINATION. INSULATION RESISTANCE OF CONDUCTORS WHICH ARE TO OPERATE AT 600 VOLTS OR LESS SHALL BE TESTED BY USING A BIDDLE MEGGER OF NOT LESS THAN 1000 VOLTS DC. INSULATION RESISTANCE OF CONDUCTORS RATED AT 600 VOLTS SHALL BE FREE OF SHORTS AND GROUNDS AND HAVE A MINIMUM RESISTANCE PHASE-TO-PHASE AND PHASE-TO-GROUND OF AT LEAST 10 MEGOHMS. CONDUCTORS THAT DO NOT EXCEED INSULATION RESISTANCE VALUES LISTED ABOVE SHALL BE REMOVED AT CONTRACTOR'S EXPENSE AND REPLACED AND TEST REPEATED. THE CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND PERSONNEL REQUIRED FOR TESTS, SHALL TABULATE READINGS OBSERVED, AND SHALL FORWARD COPIES OF THE TEST READINGS TO THE ARCHITECT. THESE TEST REPORTS SHALL IDENTIFY EACH CONDUCTOR TESTED, DATE AND TIME OF TEST AND WEATHER CONDITIONS. EACH TEST SHALL BE SIGNED BY THE PARTY MAKING THE TEST.

WIRING DEVICES

WIRING DEVICES: FURNISH AND INSTALL WHERE INDICATED ON DRAWINGS. ALL DEVICES SHALL BE LEVITON "DECORA" TYPE (WHITE IVORY OR LIGHT ALMOND, CONFIRM W/ ARCHITECT) OR APPROVED EQUAL UNLESS SPECIFIED OTHERWISE BY ARCHITECT.

GROUND FAULT CIRCUIT INTERRUPTER (GFCI) RECEPTACLE SHALL COMPLY WITH 2006 UL 943 SAFETY STANDARD. GFCI RECEPTACLE SHALL HAVE INTEGRAL END-OF-LIFE LED INDICATOR LIGHT, AND CONTINUOUS SENSING AND SELF-TESTING EVERY 60 SECONDS. PROVIDE HUBBELL OFRS352 OR APPROVED EQUAL.

COVER PLATES: THERMOPLASTIC NYLON-IVORY OR LIGHT ALMOND (CONFIRM W/ ARCHITECT). PROVIDE CIRCUIT NUMBER LABEL ON ALL DEVICE PLATES.

GROUNDING AND BONDING

GROUNDING: ALL CONDUIT WORK AND ELECTRICAL EQUIPMENT SHALL BE EFFECTIVELY AND PERMANENTLY GROUNDING IN ACCORDANCE WITH NEC REQUIREMENTS. PROVIDE GREEN EQUIPMENT GROUNDING CONDUCTOR WITH ALL POWER AND RECEPTACLE AND LIGHTING CIRCUITS. GREEN EQUIPMENT GROUNDING CONDUCTOR SHALL BE ROUTED FROM PANEL GROUND BUS TO FINAL DEVICES.

GROUNDING AND BONDING

GROUNDING: ALL CONDUIT WORK AND ELECTRICAL EQUIPMENT SHALL BE EFFECTIVELY AND PERMANENTLY GROUNDING IN ACCORDANCE WITH NEC REQUIREMENTS. PROVIDE GREEN EQUIPMENT GROUNDING CONDUCTOR WITH ALL POWER AND RECEPTACLE AND LIGHTING CIRCUITS. GREEN EQUIPMENT GROUNDING CONDUCTOR SHALL BE ROUTED FROM PANEL GROUND BUS TO FINAL DEVICES. GROUNDING ELECTRODES: PROVIDE 3/4" X 10-FT LONG, COPPER-CLAD, STEEL GROUNDING ROD. FOR BELOW-GRADE CONNECTIONS PROVIDE EXOTHERMIC WELDED TYPE; FOR ABOVE GRADE CONNECTIONS PROVIDE MECHANICAL BOLTED-TYPE CONNECTIONS UTILIZING HIGH CONDUCTIVE COPPER ALLOY OR BRONZE LUGS OR CLAMPS.

ELECTRICAL IDENTIFICATION

IDENTIFICATION: LABEL ALL JUNCTION AND PULL BOXES WITH PANELS AND CIRCUIT NUMBERS. FURNISH MARKERS OR PAINT BAND FOR EACH CONDUIT LONGER THAN 6 FEET, SPACING 20 FEET ON CENTER. COLOR OF PAINT BAND (CONFIRM COLOR MATCHES EXISTING FACILITY COLOR CODE.): (A) 480 VOLT SYSTEM - BLACK, (B) 208 VOLT SYSTEM - BLACK W/B/LUE STRIPES, (C) FIRE ALARM SYSTEM - RED, (D) TELEPHONE SYSTEM - YELLOW, (E) OTHER SYSTEM - BY SPECIFIC LETTER DESCRIPTION. LABEL ALL HOMERUN AND MAJOR CONDUIT WITH HOME PANELS/SWITCHES, ETC. AT EVERY 10'-FT. INTERVAL IF ACCESSIBLE AND/OR VISIBLE, EXCEPT: PANEL "X", "SW", "X", COND UNIT "XXX", XFMR DISC, "SW", FEEDER "XXX", ETC. MARK ALL BRANCH CONDUIT WITH CIRCUIT NUMBERS AT EACH SURFACE MOUNTED PANEL LOCATION. FOR RECESSED PANELS, MARK BRANCH CONDUIT IN FITTINGS PLENUM JUST ABOVE PANELS. COLOR CODE: CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS.

| | 480Y/277V 3 Ph, 4W | 208Y/120V 3 Ph, 4W | 240/120V 3 Ph, 4W | 120/240V 1 Ph, 3W |
|---------|-----------------------|-----------------------|----------------------|----------------------|
| Phase A | Brown | Black | Black | Black |
| Phase B | Purple | Red | Orange (High Leg) | Red |
| Phase C | Yellow | Blue | White | White |
| Neutral | Gray or White | White | White | White |
| Ground | Green | Green | Green | Green |

ALL PANELS SHALL BE IDENTIFIED USING NAMEPLATES WITH 4 ROWS OF TEXT (LETTER HEIGHT SHALL BE 1/4" MINIMUM), EXAMPLE:
PANEL "XX" 225 AMPS MCB, SECTION #1 OF 2-SECTION PNL
208Y/120V, 3 PHASE, 4 WIRE
FEEDER SIZE 4 # 4/0 THWN, 1 # 4 G, 2 1/2" C.
FED FROM DIST PANEL "XXX", 1ST FLOOR

PANEL NAMEPLATES SHALL BE ENGRAVED THREE-LAYER LAMINATED PLASTIC, WHITE LETTERS ON BLACK BACKGROUND. SECURE NAMEPLATES TO EQUIPMENT USING SCREWS OR RIVETS.

ALL SWITCHES, STARTERS, COMBINATION STARTER/DISCONNECT, TRANSFORMERS, WIREWAYS, COMMUNICATION CABINETS, JUNCTION AND PULL BOXES ETC. SHALL BE SIMILARLY IDENTIFIED. PROVIDE LABEL FOR EACH BRANCH CIRCUIT ON DISTRIBUTION PANELS, SWITCHBOARDS AND MCC'S. EXAMPLE:
ACCU-1
208V, 3 PHASE, 3 WIRE
FEEDER SIZE 3 # 4/0 THWN, 1 # 4 G, 2 1/2" C.
FED FROM DIST PANEL "XXX", 1ST FLOOR

ELECTRICAL SERVICE

CONTRACTOR SHALL MAKE ARRANGEMENTS FOR TEMPORARY AND PERMANENT SERVICE. COMPLY WITH ALL SERVICE INSTALLATION STANDARDS OF THE SERVING UTILITY. ELECTRICAL SERVICE CHARACTERISTICS SHALL BE AS SHOWN ON THE ELECTRICAL ONE LINE DIAGRAM. CONTRACTOR SHALL COORDINATE LOCATION OF SERVICE ENTRANCE WITH THE POWER COMPANY. PROVIDE MATERIALS AND EQUIPMENT REQUIRED TO CONNECT THE PROJECT SERVICE TO THE UTILITY SYSTEM. CONTRACTOR SHALL SUBMIT TO THE POWER COMPANY AN APPLICATION FOR SERVICE.

SHALL SUBMIT TO THE POWER COMPANY AN APPLICATION FOR SERVICE. SERVICE APPLICATION TO THE POWER COMPANY WITHIN 30 DAYS AFTER AWARD OF PROJECT CONTRACTOR SHALL SECURE A SERVICE OUTLET AND DATA STATEMENT ("STATEMENT") FROM THE POWER COMPANY. VERIFY THAT THE INFORMATION ON THE STATEMENT IS CORRECT, INCLUDING VOLTAGE, PHASE AND NUMBER OF WIRES, TYPE OF SERVICE, SERVICE FACILITY ARRANGEMENTS, AND LOCATION OF SERVICE OUTLET. PROVIDE A COPY OF THE STATEMENT FOR ENGINEER'S REVIEW. FAILURE TO SUBMIT SERVICE APPLICATION IN A TIMELY MANNER MAY CAUSE PROJECT DELAY AND ADDITIONAL COST. ALL SUCH COST DUE TO CONTRACTOR'S FAILURE TO APPLY AND COORDINATE FOR SERVICE IN A TIMELY MANNER SHALL BE BORNE BY THE CONTRACTOR. CONTRACTOR SHALL COORDINATE AND ASSIST OWNER IF APPLICATION IS REQUIRED TO BE SUBMITTED BY OWNER.

PANELBOARDS - DISTRIBUTION AND BRANCH CIRCUIT

ALL PANELBOARDS SHALL HAVE COPPER BUSES. LOAD CENTER TYPE PANELBOARDS ARE NOT ACCEPTABLE AND SHALL NOT BE USED. PROVIDE BREAKERS WHICH ARE QUICK-MAKE AND QUICK-BREAK ON BOTH MANUAL AND AUTOMATIC OPERATION. USE A TRIP-FREE BREAKER WHICH IS TRIP INDICATING. INCORPORATE INVERSE TIME CHARACTERISTIC BY BIMETALLIC OVERLOAD ELEMENTS AND INSTANTANEOUS CHARACTERISTIC BY MAGNETIC TRIP. FOR 2-POLE AND 3-POLE BREAKERS, USE THE COMMON-TRIP TYPE SO THAT AN OVERLOAD OR FAULT ON ONE POLE WILL TRIP ALL POLES. SIMULTANEOUSLY. HANDLE TIES ARE NOT ACCEPTABLE. ALL BREAKERS SHALL BE BOLT-ON THERMAL MAGNETIC TYPE. STAB-ON BREAKERS ARE NOT ACCEPTABLE. DO NOT USE TANDEM CIRCUIT BREAKERS. ALL CIRCUIT BREAKERS RATED 100 AMP OR LESS SHALL BE SUITABLE FOR TERMINATING 75°C WIRE (BREAKERS RATED FOR ONLY 60°C WIRE IS NOT ACCEPTABLE. SEE 16123 - BUILDING WIRE AND CABLE). ALL EQUIPMENT SHALL BE LABELED. PANELBOARDS SHALL BE LABELED BOTH ON THE COVERPLATES AND THE INTERIORS. PANELBOARD DIRECTORIES: PROVIDE A STEEL DIRECTORY FRAME MOUNTED INSIDE THE DOOR WITH A HEAT-RESISTANT TRANSPARENT FACE AND A DIRECTORY CARD FOR IDENTIFYING THE LOADS SERVED. IDENTIFY EACH CIRCUIT WITH LOAD AND LOCATIONS (ROOM NAMES AND ROOM NUMBERS) AND INDICATE WITH TYPED DIRECTORIES. (EXAMPLE: 5 DUPLEX RECEPTACLES, OFFICE, RM XXX). INSTALL THE PANELBOARDS SUCH THAT THE CENTER OF THE SWITCH OR CIRCUIT BREAKER IN THE HIGHEST POSITION WILL NOT BE MORE THAN 6 1/2 FEET ABOVE THE FLOOR OR WORKING PLATFORM. FOR EACH PANEL: FURNISH AND INSTALL ONE SPARE 3/4" CONDUIT FOR EVERY 6 SPARES AND/OR SPACES IN THE PANEL. EACH SPARE CONDUIT SHALL BE INSTALLED WITH PULL STRING STUBBED TO A J-BOX LOCATED IN ACCESSIBLE CEILING/PLENUM SPACE. INSTALL A MINIMUM OF ONE SPARE 3/4" CONDUIT FOR EVERY PANEL SHOWN ON PLANS, EVEN IF THERE ARE NO SPARES/SPACES IN SOME PANELS. MANUFACTURER SHALL BE SQUARE D.

ENCLOSED SAFETY SWITCHES

ALL SAFETY SWITCHES SHALL BE HEAVY-DUTY TYPE WITH QUICK-MAKE, QUICK-BREAK CONTACTS AND SUITABLE FOR TERMINATING 75°C WIRE. PROVIDE EACH SWITCH WITH A GROUND LUG. PROVIDE A DEFATABLE, FRONT ACCESSIBLE, COU-PROOF DOOR INTERLOCK TO PREVENT OPENING THE DOOR WHEN THE SWITCH IS IN THE ON POSITION AND TO PREVENT TURNING THE SWITCH ON WHEN THE DOOR WHEN THE SWITCH IS IN THE ON POSITION AND TO PREVENT TURNING THE SWITCH ON WHEN THE DOOR IS OPEN. PROVIDE INCOMING LINE TERMINALS WITH AN INSULATED SHIELD SO THAT NO LIVE PARTS ARE EXPOSED WHEN THE DOOR IS OPEN. PROVIDE EACH SWITCH WITH AN ISOLATED, FULLY RATED NEUTRAL BLOCK WITH PROVISIONS FOR BONDING THE BLOCK TO THE ENCLOSURE. WHERE FUSIBLE SWITCHES ARE SHOWN, PROVIDE SWITCHES WITH REACTION-TYPE FUSE HOLDERS WHICH ARE SUITABLE FOR USE WITH FUSES. IN GENERAL, MOUNT SWITCHES SO THAT OPERATING HANDLE IS APPROXIMATELY 44 INCHES ABOVE FINISHED FLOOR; WHERE GROUPED, ALIGN TOPS OF SWITCHES. MANUFACTURER SHALL BE SQUARE D.

DRY TYPE TRANSFORMERS

PROVIDE DRY TYPE QUIET TRANSFORMERS (PER ANSI - C59 AND UL 506), SELF-COOLED NEMA CLASS AA, COPPER WIRE WINDINGS. ALUMINUM-WINDING TRANSFORMER IS ACCEPTABLE, PROVIDED THAT SUBSTITUTE ALUMINUM TRANSFORMER IS IN COMPLIANCE WITH NEC CLEARANCE REQUIREMENTS. TRANSFORMERS MUST MEET OR EXCEED NEMA TP-1 ENERGY EFFICIENCY STANDARDS. FURNISH FULL-LOAD TAPS IN THE PRIMARY WINDINGS AS FOLLOWS:
KVA RATING TAPS
3-15KVA, 10 TWO 5% TAPS BELOW RATED VOLTAGE
9-15KVA, 30 TWO 5% TAPS BELOW RATED VOLTAGE

25-100KVA, 10 SIX 2 1/2% TAPS, 4 BELOW AND 2 ABOVE RATED VOLTAGE
30-300KVA, 30 SIX 2 1/2% TAPS, 4 BELOW AND 2 ABOVE RATED VOLTAGE

167-250KVA, 10 FOUR 2 1/2% TAPS, 2 BELOW AND 2 ABOVE RATED VOLTAGE
500KVA, 30 FOUR 2 1/2% TAPS, 2 BELOW AND 2 ABOVE RATED VOLTAGE

SELECT THE APPROPRIATE TAP SETTING ON TRANSFORMER SO THAT THE ACTUAL SECONDARY VOLTAGE IS 1/2 (PLUS OR MINUS) OF A TAP SPAN AT FULL LOAD. RECORD THE TRANSFORMER SERIAL NUMBER, KVA RATING, SELECTED TAP SETTING AND SECONDARY VOLTAGE READINGS. SUBMIT COPIES OF THE RECORD TO THE ARCHITECT/ENGINEER.

AVERAGE SOUND LEVELS MUST NOT EXCEED THE FOLLOWING VALUES:

KVA DB

0-9 40

10-50 45

51-150 50

151-300 55

301-500 60

PROVIDE A 220°C INSULATION SYSTEM FOR A MAXIMUM 115°C TEMPERATURE RISE OVER A 40°C AMBIENT. SPECIAL TRANSFORMERS: 150°C RISE FOR SHIELDED ISOLATION TYPE; 115°C RISE FOR K-RATED TRANSFORMERS. MAKE TRANSFORMER CABLE CONNECTIONS WITH COMPRESSION-TYPE LUGS SUITABLE FOR TERMINATIONS OF 75°C RATED CONDUCTORS. CONSTRUCT CONCRETE PAD FOR FLOOR-MOUNTED TRANSFORMERS. MAINTAIN A MINIMUM OF 6 INCHES FREE AIR SPACE BETWEEN ENCLOSURE AND WALL. MOUNT TRANSFORMERS ON VIBRATION ISOLATING PADS SUITABLE FOR ISOLATING THE TRANSFORMER NOISE FROM THE BUILDING STRUCTURE. PROVIDE DOUBLE OR ADDITIONAL LUGS AS REQUIRED WHERE TWO OR MORE SECONDARY FEEDERS ARE CONNECTED TO TRANSFORMERS. PROVIDE VIBRATION ISOLATORS FOR ALL TRANSFORMERS. MANUFACTURER SHALL BE SQUARE D.

INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS

SEE THE LIGHT FIXTURE SCHEDULE ON THE DRAWINGS FOR TYPE OF LUMINAIRES AND CATALOG NUMBERS. CATALOG NUMBERS ARE SHOWN ON THE DRAWINGS FOR QUALITY AND PERFORMANCE REQUIREMENTS ONLY. LUMINAIRES MANUFACTURED BY OTHERS ARE EQUALLY ACCEPTABLE PROVIDED THEY MEET OR EXCEED THE PERFORMANCE OF THE INDICATED LUMINAIRES, AND MEET THE INTENT OF THE DESIGN.

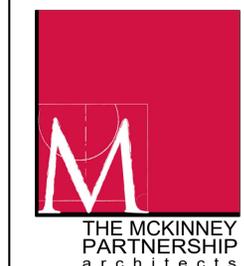
LUMINAIRES SHALL BE CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (UL, ETL, OR IEC).

WHERE ALTERNATE FIXTURES TO THOSE SPECIFIED ARE PROVIDED, NOTIFICATION OF ALTERNATES ARE REQUIRED PRIOR TO BID IN ACCORDANCE WITH SECTION 26 05 00. FULL PHOTOMETRIC DRAWINGS AND A SPREADSHEET INDICATING THE DIFFERENCES BETWEEN THE SPECIFIED FIXTURES AND ALTERNATE FIXTURES SHALL BE PROVIDED AS PART OF THE PRE-BID NOTIFICATION. THE SPREADSHEET SHALL INDICATE ALL ASPECTS OF THE ALTERNATE FIXTURE THAT DIFFER FROM THE SPECIFIED FIXTURE, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:

- PHYSICAL DIMENSIONS.
- MOUNTING TYPE.
- FIXTURE RATINGS/LISTINGS.
- HOUSING MATERIALS/CONSTRUCTION.
- LUMEN OUTPUT.
- FIXTURE VOLTAGE.
- FIXTURE WATTAGE.
- FIXTURE EFFICACY.
- CCT.
- 10.CRI.
- 11.BEAM ANGLES/DISTRIBUTION.
- 12.MANUFACTURER WARRANTY.
- 13.EMERGENCY POWER.
- 14.CONTROLS REQUIREMENTS.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH THE PROPER CEILING FRAMES FOR THE CEILING MATERIAL IN WHICH RECESSED FIXTURES ARE TO BE INSTALLED.

ALL FIXTURES BROKEN OR DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
ELECTRICAL SHEET SPECIFICATIONS

Sheet Number:
E0.1

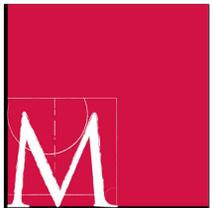
Salas O'Brien
2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF LIGHTS WITH HVAC EQUIPMENT AND OTHER DEVICES.
2. OCCUPANCY SENSOR LOCATIONS SHOWN ARE FOR DESIGN INTENT ONLY. LOCATE OCCUPANCY SENSORS PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
3. CONNECT BATTERY BACKS TO UNSWITCHED HOT OF LOCAL LIGHTING CIRCUIT.
4. THESE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC ONLY. CONSULT WITH GENERAL CONTRACTOR AND LABOR FOR A COMPLETE AND CODE COMPLIANT FACILITY.
5. COORDINATE ALL EXTERIOR LIGHTING FIXTURE MOUNTING HEIGHTS WITH THE ARCHITECT/OWNER PRIOR TO ROUGH-IN.
6. PROVIDE ELECTRONIC TIMER WITH INTEGRAL ASTRONOMICAL TIME CLOCK AND PHOTO CELL INPUT. LOCATE PHOTO CELL WITH CLEAR VIEW OF NORTHERN SKY AND SHIELD FROM ARTIFICIAL LIGHT SOURCES. TIMER SHALL CONTROL EXTERIOR LIGHTING AND SIGN.

KEYED NOTES

- 1 PROVIDE 120V EXTERIOR LIGHTED SIGN CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER, AND THE MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- 2 EXISTING FIXTURE SHALL BE REMOVED AND REPLACED. EC SHALL REUSE EXISTING CIRCUITS, AND DETERMINE IF EXISTING CONDUIT AND WIRING IS SERVICEABLE. OTHERWISE EC SHALL REPLACE EXISTING CONDUIT AND WIRING IF NOT SERVICEABLE. EC SHALL PROVIDE NEW CONTROLS AS INDICATED. EC SHALL REPORT ANY ANOMALIES TO THE ARCHITECT AND ENGINEER PRIOR TO PROCEEDING. COORDINATE WITH THE ARCHITECT AND OWNER FOR THE EXACT SCOPE AND REQUIREMENTS PRIOR TO BEGINNING WORK.
- 3 EXISTING LIGHT FIXTURES, DEVICES, AND CONTROLS IN SPACE TO REMAIN.



THE MCKINNEY PARTNERSHIP
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

ELECTRICAL LIGHTING PLAN

Sheet Number:

E1.1



1 ELECTRICAL LIGHTING PLAN

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



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00



THE MCKINNEY
PARTNERSHIP
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
**ELECTRICAL
POWER PLAN**

Sheet Number:

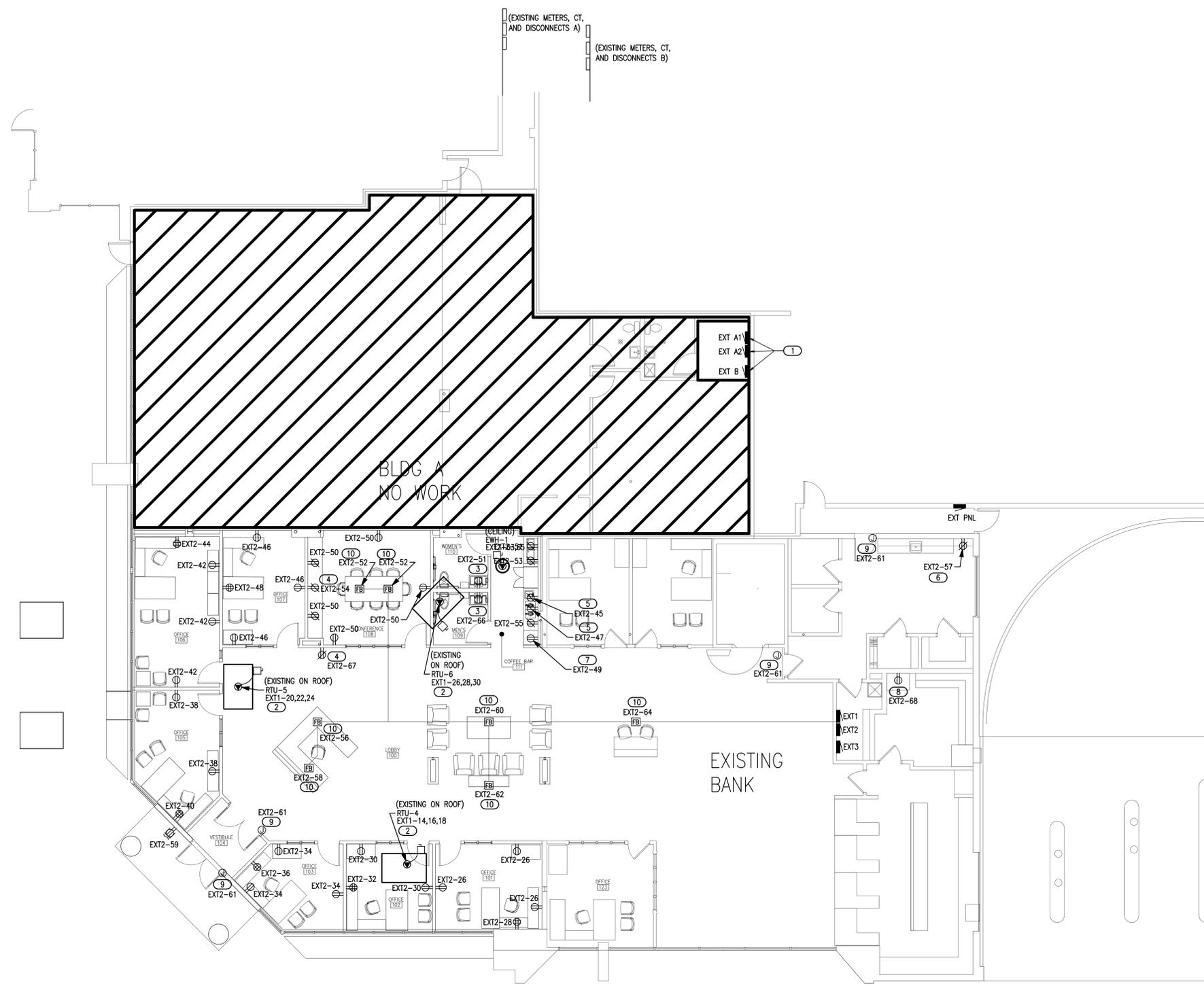
E2.1

GENERAL NOTES

1. COORDINATE EXACT LOCATIONS OF DEVICES SHOWN WITH OTHER EQUIPMENT. COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES WITH LIGHTS, HVAC EQUIPMENT, AND OTHER DEVICES.
2. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL RELAYS, CONNECTIONS, AND ALL DEVICES NECESSARY TO INTERLOCK EXHAUST FANS, DAMPERS, ETC WITH PROPER CONTROL DEVICES.
3. COORDINATE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR.
4. COORDINATE EXACT LOCATION OF PLUMBING EQUIPMENT WITH PLUMBING CONTRACTOR.
5. ALL RECEPTACLES LOCATED AT COUNTERTOP HEIGHT SHALL BE ORIENTED HORIZONTALLY.

KEYED NOTES

- 1 EXISTING PANELS A1, A2, & B. EXISTING CIRCUITS FED FROM THESE PANELS THAT FEED CIRCUITS WITHIN THE AREA OF WORK, INCLUDING RTU CONNECTIONS SHOWN, SHALL BE REMOVED AND RECONNECTED TO PANELS EXT1, EXT2, OR EXT3. EC SHALL FIELD INVESTIGATE AS PART OF DEMOLITION TO DETERMINE EXACT QUANTITY OF CIRCUITS TO BE RELOCATED. PROVIDE ALL BREAKERS, WIRE, CONDUIT, AND ANY OTHER DEVICES REQUIRED TO RELOCATE CIRCUITS. REPORT ANY ANOMALIES TO THE ARCHITECT AND ENGINEER PRIOR TO PROCEEDING.
- 2 EXISTING RTU'S SHALL REMAIN IN PLACE. RTU CIRCUITS SHALL BE DISCONNECTED FROM THE EXISTING PANEL THAT FEEDS IT AND BE CONNECTED TO THE EXISTING PANEL 'EXT1' AS INDICATED. EC SHALL COORDINATE WITH THE ARCHITECT, MECHANICAL CONTRACTOR AND MANUFACTURER FOR THE EXACT CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- 3 PROVIDE 120V UNDER THE SINK CONNECTION. COORDINATE WITH THE ARCHITECT, PLUMBING CONTRACTOR AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- 4 PROVIDE 120V MONITOR/TV CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- 5 PROVIDE 120V COFFEE MACHINE CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- 6 PROVIDE 120V ICE MACHINE CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- 7 PROVIDE 120V FRIDGE CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- 8 PROVIDE 120V COPIER/PRINTER CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- 9 PROVIDE 120V DOOR ACCESS CONTROL POWER. COORDINATE WITH THE ARCHITECT, TECHNOLOGY CONTRACTOR, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- 10 PROVIDE 120V FLOOR BOX CONNECTION. COORDINATE WITH THE ARCHITECT, OWNER, AND MANUFACTURER FOR THE EXACT LOCATION AND CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN. REFER TO DETAIL 2/ES.1 AND SHEET T-101 FOR ADDITIONAL INFORMATION.
- 11 EXISTING BANK POWER CONNECTIONS SHALL REMAIN. EC SHALL PROVIDE NEW DEVICES AND FACEPLATES TO MATCH NEW CONSTRUCTION.

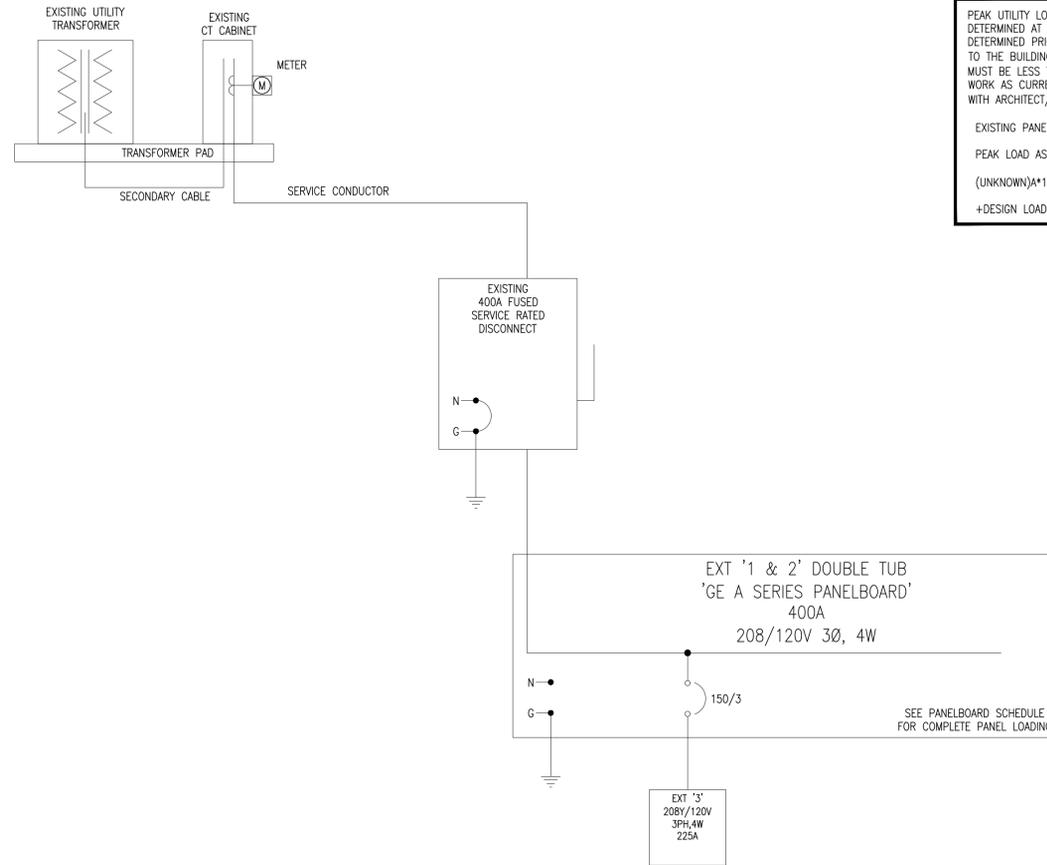


1 ELECTRICAL POWER PLAN

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



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00



EXISTING LOAD ANALYSIS

PEAK UTILITY LOAD FOR THE EXISTING SERVICE WAS UNABLE TO BE DETERMINED AT THE TIME OF DESIGN. THE EXISTING LOAD MUST BE DETERMINED PRIOR TO PROCEEDING WITH WORK. NEW LOAD BEING ADDED TO THE BUILDING IS EQUAL TO 243A (88kVA). THE EXISTING SERVICE LOAD MUST BE LESS THAN 125A (45kVA) IN ORDER TO PROCEED WITH THE WORK AS CURRENTLY DESIGNED. COORDINATE PEAK UTILITY LOAD FINDINGS WITH ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK.

EXISTING PANEL 'EXT1' LOAD ANALYSIS: UNKNOWN

PEAK LOAD ASK REPORTED BY UTILITY: UNKNOWN

(UNKNOWN)*1.25 (PER NEC 220.87) = UNKNOWN

+DESIGN LOAD = UNKNOWN

| FEEDER SCHEDULE | | | | |
|-----------------|-----------------|-----------------|---------------------|----------------------------|
| AMPS | CONDUIT SIZE 4W | CONDUIT SIZE 3W | PHASE CONDUCTORS | EQUIPMENT GROUND CONDUCTOR |
| 20 | 3/4" | 3/4" | #12 | #12 |
| 25 | 3/4" | 3/4" | #10 | #10 |
| 30 | 3/4" | 3/4" | #10 | #10 |
| 35 | 1" | 3/4" | #8 | #10 |
| 40 | 1" | 3/4" | #8 | #10 |
| 45 | 1" | 1" | #6 | #10 |
| 50 | 1" | 1" | #6 | #10 |
| 60 | 1 1/4" | 1 1/4" | #4 | #10 |
| 70 | 1 1/4" | 1 1/4" | #4 | #8 |
| 80 | 1 1/4" | 1 1/4" | #3 | #8 |
| 90 | 1 1/2" | 1 1/4" | #2 | #8 |
| 100 | 1 1/2" | 1 1/4" | #2 | #8 |
| 110 | 2" | 1 1/2" | #1 | #6 |
| 125 | 2" | 1 1/2" | #1 | #6 |
| 150 | 2" | 1 1/2" | #1/0 | #6 |
| 175 | 2" | 2" | #2/0 | #6 |
| 200 | 2" | 2" | #3/0 | #6 |
| 225 | 2 1/2" | 2" | #4/0 | #4 |
| 250 | 3" | 2 1/2" | 250 kcmil | #4 |
| 300 | 3" | 3" | 350 kcmil | #4 |
| 350 | 3 1/2" | 3" | 500 kcmil | #3 |
| 400 | (2) 2" | (2) 2" | 2 SETS OF #3/0 | #3 |
| 450 | (2) 2 1/2" | (2) 2" | 2 SETS OF #4/0 | #2 |
| 500 | (2) 2 1/2" | (2) 2 1/2" | 2 SETS OF 250 kcmil | #2 |
| 600 | (2) 3" | (2) 3" | 2 SETS OF 350 kcmil | #1 |
| 700 | (2) 3 1/2" | (2) 3" | 2 SETS OF 500 kcmil | #1/0 |
| 800 | (3) 3" | (3) 2 1/2" | 3 SETS OF 300 kcmil | #1/0 |
| 900 | (3) 3 1/2" | (3) 3" | 3 SETS OF 400 kcmil | #2/0 |
| 1000 | (3) 3 1/2" | (3) 3" | 3 SETS OF 500 kcmil | #2/0 |
| 1200 | (4) 3" | (4) 3" | 4 SETS OF 350 kcmil | #3/0 |
| 1600 | (5) 3 1/2" | (5) 3" | 5 SETS OF 500 kcmil | #4/0 |
| 1800 | (6) 3 1/2" | (6) 3" | 6 SETS OF 400 kcmil | 250 kcmil |
| 2000 | (6) 3 1/2" | (6) 3" | 6 SETS OF 500 kcmil | 250 kcmil |
| 2500 | (7) 3 1/2" | (7) 3" | 7 SETS OF 500 kcmil | 350 kcmil |

NOTES:

- FEEDER SIZES ARE ON THE PLAN WHERE 60 REFERS TO A 60A FEEDER WITHOUT NEUTRAL AND 60N REFERS TO A 60A FEEDER WITH NEUTRAL.
- SOME FEEDER SIZES DO NOT MATCH BREAKER SIZE DUE TO UP-SIZING OF THE FEEDER FOR VOLTAGE DROP.
- CONDUITS ARE SIZED PER NEC TABLES FOR THHN/THWN AND MAY BE UPSIZED FOR EASE OF PULLING OR DOWNSIZED AS ALLOWED PER NEC FOR CONDUIT TYPE(S) BEING INSTALLED.
- ALL CONDUCTORS 100A AND LESS ARE SIZED PER 90 DEGREE LUGS, EC MAY SIZE CONDUCTORS FOR ACTUAL RATING OF LUGS PER NEC.

1 ELECTRICAL ONE-LINE DIAGRAM
NO SCALE



4 EXISTING METER, CT, AND SERVICE DISCONNECT B
NO SCALE



3 EXISTING PANELS
NO SCALE



2 EXISTING METER, CT, AND SERVICE DISCONNECT A
NO SCALE



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

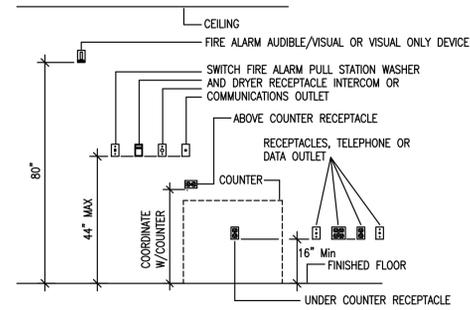
Sheet Title:
**ELECTRICAL
EXISTING
ONE-LINE DIAGRAM**

Sheet Number:

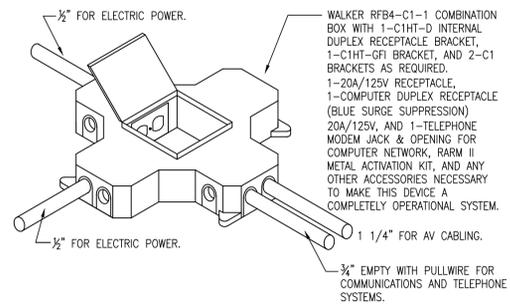
E4.1

Salas O'Brien

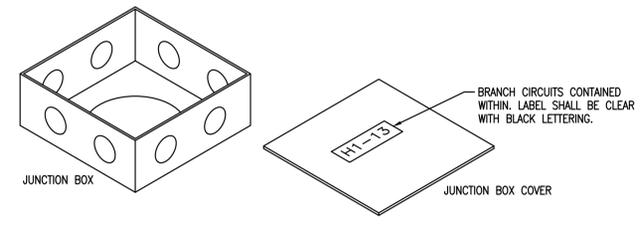
2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00



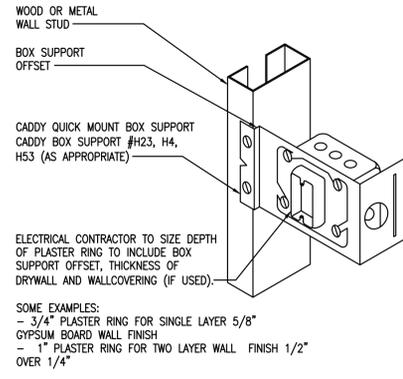
3 TYP. OUTLET MOUNTING DETAIL
NOT TO SCALE



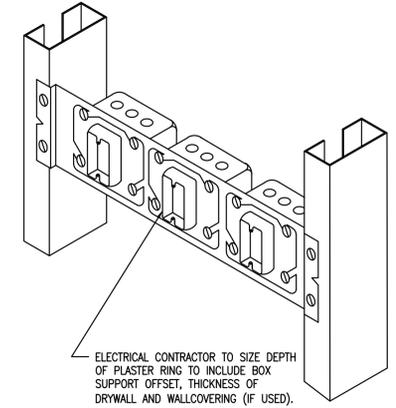
2 TYP. ELECTRICAL FLOOR BOX DETAIL
NO SCALE



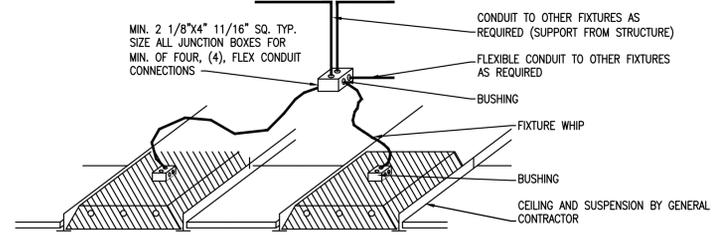
1 JUNCTION BOX LABELING DETAIL
NO SCALE



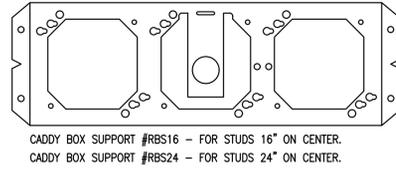
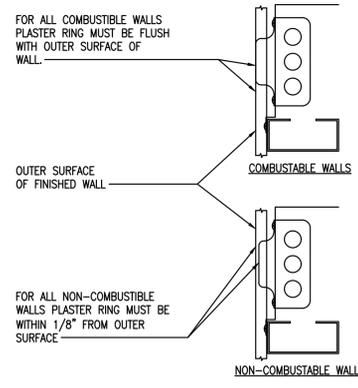
6 BOX SUPPORT DETAIL
NO SCALE



5 MULTIPLE BOX SUPPORT DETAIL
NO SCALE



4 TYP. TROFFER POWER DETAIL
NOT TO SCALE



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
**ELECTRICAL
DETAILS**

Sheet Number:
E5.1

Salas O'Brien
2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

| Panel | | ROOM | EXISTING | VOLTS | 208Y/120V 3P 4W | AIC | EXISTING | |
|-------|---------|----------|---------------------|----------|-----------------|----------|---------------------|---------------|
| EXT3 | | MOUNTING | SURFACE | BUS AMPS | 225 | MAIN BKR | MLO | |
| | | FED FROM | EXT1 | NEUTRAL | 100% | LUGS | STANDARD | |
| | | NOTE | | | | | | |
| CKT # | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION | CKT # | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION | |
| 1 | 150/1 | 0 | EXISTING LOAD | a | 2 | 20/1 | 0 | EXISTING LOAD |
| 3 | 20/1 | 0 | EXISTING LOAD | b | 4 | 20/1 | 0 | EXISTING LOAD |
| 5 | 20/1 | 0 | EXISTING LOAD | c | 6 | 20/1 | 0 | EXISTING LOAD |
| 7 | 20/1 | 0 | EXISTING LOAD | a | 8 | 20/1 | 0 | EXISTING LOAD |
| 9 | 20/1 | 0 | EXISTING LOAD | b | 10 | 20/1 | 0 | EXISTING LOAD |
| 11 | 20/1 | 0 | EXISTING LOAD | c | 12 | 20/1 | 0 | EXISTING LOAD |
| 13 | 20/1 | 0 | EXISTING LOAD | a | 14 | 20/1 | 0 | EXISTING LOAD |
| 15 | 20/1 | 0 | EXISTING LOAD | b | 16 | 20/1 | 0 | EXISTING LOAD |
| 17 | 20/1 | 0 | EXISTING LOAD | c | 18 | 20/1 | 0 | EXISTING LOAD |
| 19 | 20/1 | 0 | EXISTING LOAD | a | 20 | 20/1 | 0 | EXISTING LOAD |
| 21 | 20/1 | 0 | EXISTING LOAD | b | 22 | 20/1 | 0 | EXISTING LOAD |
| 23 | 20/1 | 0 | EXISTING LOAD | c | 24 | 20/1 | 0 | EXISTING LOAD |
| 25 | 20/1 | 0 | EXISTING LOAD | a | 26 | 20/1 | 0 | EXISTING LOAD |
| 27 | 20/1 | 0 | EXISTING LOAD | b | 28 | 20/1 | 0 | EXISTING LOAD |
| 29 | 20/1 | 0 | EXISTING LOAD | c | 30 | 20/1 | 0 | EXISTING LOAD |
| 31 | 20/1 | 0 | SPACE | a | 32 | 20/1 | 0 | EXISTING LOAD |
| 33 | 20/1 | 0 | SPACE | b | 34 | 20/1 | 0 | SPACE |
| 35 | 20/1 | 0 | SPACE | c | 36 | 20/1 | 0 | SPACE |
| 37 | 20/1 | 0 | SPACE | a | 38 | 20/1 | 0 | SPACE |
| 39 | 20/1 | 0 | SPACE | b | 40 | 20/1 | 0 | SPACE |
| 41 | 20/1 | 0 | SPACE | c | 42 | 20/1 | 0 | SPACE |

| CONN KVA | CALC KVA | CALC KVA |
|----------|----------|-----------------------|
| | | TOTAL LOAD |
| | | BALANCED 3-PHASE LOAD |
| | | PHASE A |
| | | PHASE B |
| | | PHASE C |

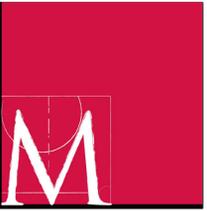
| Panel | | ROOM | EXISTING | VOLTS | 208Y/120V 3P 4W | AIC | EXISTING | |
|-------|---------|----------|---------------------------------------|----------|-----------------|----------|---------------------|--------------------------|
| EXT2 | | MOUNTING | SURFACE | BUS AMPS | 400 | MAIN BKR | MLO | |
| | | FED FROM | EXT1 | NEUTRAL | 100% | LUGS | STANDARD | |
| | | NOTE | | | | | | |
| CKT # | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION | CKT # | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION | |
| 1 | 20/1 | 0 | EXISTING LANE POWER | a | 2 | 20/1 | 0 | EXT VAULT LIGHTING |
| 3 | 20/1 | 0 | EXISTING SPEAKERS | b | 4 | 20/1 | 0 | EXT VAULT ALARM |
| 5 | 20/1 | 0 | EXISTING LANE POWER | c | 6 | 20/1 | 0 | EXISTING LIGHTING |
| 7 | 20/1 | 0 | EXISTING LANE POWER | a | 8 | 20/1 | 0 | EXISTING OFFICE RCPT. |
| 9 | 20/1 | 0 | EXT CANOPY LIGHTING | b | 10 | 20/1 | 0 | EXISTING OFFICE RCPT. |
| 11 | 20/1 | 0 | EXT CANOPY LIGHTING | c | 12 | 20/1 | 0 | EXISTING OFFICE LIGHTING |
| 13 | 20/1 | 0 | EXT KITCHEN MICROWAVE | a | 14 | 20/1 | 0 | EXISTING OFFICE LIGHTING |
| 15 | 20/1 | 0 | EXT KITCHEN LIGHTING | b | 16 | 20/1 | 0 | EXISTING LOAD |
| 17 | 20/1 | 0 | EXT KITCHEN CLOSET | c | 18 | 20/1 | 0 | EXISTING LOAD |
| 19 | 20/1 | 0 | EXT KITCHEN POWER | a | 20 | 20/1 | 0 | EXISTING POWER |
| 21 | 20/1 | 0 | EXT KITCHEN POWER | b | 22 | 20/1 | 0 | EXISTING POWER |
| 23 | 20/1 | 0 | EXISTING CAMERAS | c | 24 | 20/1 | 0 | EXISTING WH POWER |
| 25 | 20/1 | 0.768 | LIGHTING | a | 26 | 20/1 | 0.54 | OFFICE 101 RCPT. |
| 27 | 20/1 | 0.96 | LIGHTING | b | 28 | 20/1 | 0.36 | OFFICE 101 QUAD RCPT. |
| 29 | 20/1 | 0.064 | LIGHTING | c | 30 | 20/1 | 0.36 | OFFICE 102 RCPT. |
| 31 | 30/1 | 2.05 | LIGHTING | a | 32 | 20/1 | 0.36 | OFFICE 102 QUAD |
| 33 | 20/1 | 0.896 | LIGHTING | b | 34 | 20/1 | 0.54 | OFFICE 103 RCPT. |
| 35 | 20/1 | 0.256 | LIGHTING | c | 36 | 20/1 | 0.36 | OFFICE 103 QUAD RCPT. |
| 37 | 20/1 | 0.192 | LIGHTING | a | 38 | 20/1 | 0.36 | OFFICE 105 RCPT. |
| 39 | 20/1 | 0.64 | LIGHTING | b | 40 | 20/1 | 0.36 | OFFICE 105 QUAD RCPT. |
| 41 | 20/1 | 0.18 | EXTERIOR BLDG SIGN | c | 42 | 20/1 | 0.54 | OFFICE 106 RCPT. |
| 43 | 20/1 | 0.18 | RECEPTACLE | a | 44 | 20/1 | 0.36 | OFFICE 106 QUAD RCPT. |
| 45 | 20/1 | 0.18 | RECEPTACLE | b | 46 | 20/1 | 0.54 | OFFICE 107 RCPT. |
| 47 | 20/1 | 0.18 | RECEPTACLE | c | 48 | 20/1 | 0.36 | OFFICE 107 QUAD RCPT. |
| 49 | 20/1 | 0.18 | RECEPTACLE | a | 50 | 20/1 | 0.9 | CONF. 108 RCPT. |
| 51 | 20/1 | 0.38 | RECEPTACLE, WOMEN'S RR 110 SINK RCPT. | b | 52 | 20/1 | 0.72 | CONF. 108 FLOORBOX |
| 53 | 20/1 | 0.18 | RECEPTACLE | c | 54 | 20/1 | 0.18 | CONF. 108 TV/MONTR RCPT. |
| 55 | 20/1 | 0.18 | RECEPTACLE | a | 56 | 20/1 | 0.18 | LOBBY 100 FLOOR BOX |
| 57 | 20/1 | 0.18 | RECEPTACLE | b | 58 | 20/1 | 0.18 | LOBBY 100 FLOOR BOX |
| 59 | 20/1 | 0.18 | EXTERIOR RCPT. | c | 60 | 20/1 | 0.18 | LOBBY 100 FLOOR BOX |
| 61 | 20/1 | 0.18 | VEST. 104 DOOR CONTROL | a | 62 | 20/1 | 0.18 | LOBBY 100 FLOOR BOX |
| 63 | 35/2 | 4.58 | EW-1 | b | 64 | 20/1 | 0.18 | LOBBY 100 FLOOR BOX |
| 65 | | | | c | 66 | 20/1 | 0.2 | MEN'S RR 109 SINK RCPT. |
| 67 | 20/1 | 0 | SPACE | a | 68 | 20/1 | 0 | SPACE |
| 69 | 20/1 | 0 | SPACE | b | 70 | 20/1 | 0 | SPACE |
| 71 | 20/1 | 0 | SPACE | c | 72 | 20/1 | 0 | SPACE |

| CONN KVA | CALC KVA | CALC KVA |
|-----------------------|----------|---------------|
| LIGHTING | 5.82 | 7.28 (125%) |
| LARGEST MOTOR | 4.58 | 1.14 (25%) |
| MOTORS | 4.58 | 4.58 (100%) |
| RECEPTACLES | 10.1 | 10.1 (50%>10) |
| TOTAL LOAD | | 23.1 |
| BALANCED 3-PHASE LOAD | | 64 A |
| PHASE A | | 95.4% |
| PHASE B | | 123% |
| PHASE C | | 81.8% |

| Panel | | ROOM | EXISTING | VOLTS | 208Y/120V 3P 4W | AIC | EXISTING | |
|-------|---------|----------|---------------------|----------|-----------------|----------|---------------------|---------------|
| EXT1 | | MOUNTING | SURFACE | BUS AMPS | 400 | MAIN BKR | MLO | |
| | | FED FROM | UTILITY | NEUTRAL | 100% | LUGS | DOUBLE | |
| | | NOTE | | | | | | |
| CKT # | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION | CKT # | CKT BKR | LOAD KVA | CIRCUIT DESCRIPTION | |
| 1 | 40/3 | 10.4 | EXT RTU | a | 2 | 40/3 | 10.4 | EXT RTU |
| 3 | | | | b | 4 | | | |
| 5 | | | | c | 6 | | | |
| 7 | 30/3 | 7.8 | EXT RTU | a | 8 | 20/1 | 0 | EXISTING LOAD |
| 9 | | | | b | 10 | 20/1 | 0 | EXISTING LOAD |
| 11 | | | | c | 12 | 20/1 | 0 | EXISTING LOAD |
| 13 | 20/1 | 0 | EXISTING LIGHTING | a | 14 | 40/3 | 10.4 | RTU-4 |
| 15 | 20/1 | 0 | EXISTING LIGHTING | b | 16 | | | |
| 17 | 20/1 | 0 | EXISTING LIGHTING | c | 18 | | | |
| 19 | 20/1 | 0 | EXISTING LIGHTING | a | 20 | 50/3 | 13 | RTU-5 |
| 21 | 20/1 | 0 | EXISTING LIGHTING | b | 22 | | | |
| 23 | 20/1 | 0 | EXISTING LOAD | c | 24 | | | |
| 25 | 20/1 | 0 | EXISTING LOAD | a | 26 | 40/3 | 10.4 | RTU-6 |
| 27 | 20/1 | 0 | EXISTING LOAD | b | 28 | | | |
| 29 | 20/1 | 0 | EXISTING LOAD | c | 30 | | | |
| 31 | 20/1 | 0 | EXISTING LOAD | a | 32 | 150/3 | 0 | PANEL EXT3 |
| 33 | 20/1 | 0 | SPACE | b | 34 | | | |
| 35 | 20/1 | 0 | SPACE | c | 36 | | | |
| 37 | 20/1 | 0 | SPACE | a | 38 | 20/1 | 0 | SPACE |
| 39 | 20/1 | 0 | SPACE | b | 40 | 20/1 | 0 | SPACE |
| 41 | 20/1 | 0 | SPACE | c | 42 | 20/1 | 0 | SPACE |

| CONN KVA | CALC KVA | CALC KVA |
|-----------------------|----------|---------------|
| LIGHTING | 5.82 | 7.28 (125%) |
| LARGEST MOTOR | 13 | 3.24 (25%) |
| MOTORS | 4.58 | 4.58 (100%) |
| RECEPTACLES | 10.1 | 10.1 (50%>10) |
| HEATING | 62.3 | 62.3 (100%) |
| COOLING | 62.3 | 0 (0%) |
| TOTAL LOAD | | 87.5 |
| BALANCED 3-PHASE LOAD | | 243 A |
| PHASE A | | 99.1% |
| PHASE B | | 106% |
| PHASE C | | 95.2% |

| MECHANICAL EQUIPMENT SCHEDULE | | | | | | | | | |
|-------------------------------|------------------------|------------|-------|------|------|--------------------|------------|--------------|--------------|
| CALLOUT | DESCRIPTION | VOLTS | KVA | MCA | MOCP | WIRE CALLOUT | DISCONNECT | DISC PROV BY | DISC INST BY |
| EW-1 | ELECTRIC WATER HEATER | 208V 2P 2W | 4.58 | 27.5 | 35 | 3/4" C, 2#10, #10G | NON-FUSED | EC | EC |
| RTU-4 | EXISTING ROOF-TOP UNIT | 208V 3P 3W | 10.38 | 36 | 40 | 3/4" C, 3#8, #10G | NON-FUSED | EC | EC |
| RTU-5 | EXISTING ROOF-TOP UNIT | 208V 3P 3W | 12.97 | 45 | 50 | 3/4" C, 3#6, #10G | NON-FUSED | EC | EC |
| RTU-6 | EXISTING ROOF-TOP UNIT | 208V 3P 3W | 10.38 | 36 | 40 | 3/4" C, 3#8, #10G | NON-FUSED | EC | EC |



THE MCKINNEY
PARTNERSHIP
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
ELECTRICAL
SCHEDULES

Sheet Number:

E6.1

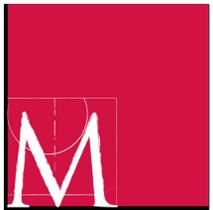


2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

GENERAL MECHANICAL NOTES

1. ALL WORK SHALL BE IN COMPLIANCE WITH STATE AND LOCAL CODES.
2. THE CONTRACTOR SHALL PAY FOR ALL FEES, PERMITS, LICENSES, ETC., NECESSARY FOR PROPER COMPLETION OF THE WORK.
3. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
4. VERIFY ALL EXISTING CONDITIONS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN CONTRACT DRAWINGS AND ACTUAL CONDITIONS.
5. EXISTING UTILITIES TO BE ABANDONED SHALL BE PROPERLY DISCONNECTED AND CAPPED AS REQUIRED BY CODE OR LOCAL ORDINANCE.
6. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. ADDITIONAL DATA SHALL BE FROM THE ENGINEER THROUGH WRITTEN CLARIFICATION ONLY. VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK. THE CONTRACTOR SHALL PROVIDE ALL OFFSETS AND TRANSITIONS REQUIRED TO MEET EXISTING CONDITIONS.
7. THE CONTRACTOR SHALL PERFORM WORK IN A SKILLED AND PROFESSIONAL MANNER.
8. ALL CONTRACTORS ARE RESPONSIBLE TO FIELD COORDINATE WORK SCHEDULE WITH OWNER REPRESENTATIVE.
9. THE CONTRACTOR SHALL WORK AND COORDINATE WITH THE OTHER TRADES.
10. ALL EQUIPMENT SHALL BE NEW AND IN UNDAMAGED CONDITION. ANY EQUIPMENT FOUND DEFECTIVE SHALL BE IMMEDIATELY REMOVED FROM THE PROJECT.
11. PROVIDE 3 COPIES OF AN OPERATION AND MAINTENANCE MANUAL FOR ALL MAJOR EQUIPMENT REQUIRING SERVICE. MAJOR EQUIPMENT INCLUDES BUT IS NOT LIMITED TO COILS, FANS, AND CONTROL WIRING DIAGRAMS. EACH PIECE OF EQUIPMENT SHALL STATE THE CONTRACT DATE AND THE NAME, ADDRESS AND PHONE NUMBER FOR THE PRIME CONTRACTOR, SUBCONTRACTOR PERFORMING THE INSTALLATION, AND THE LOCAL VENDOR FOR SPARE PARTS. THE MANUALS SHALL CONTAIN MAINTENANCE INSTRUCTIONS REQUIRED FOR THE INSTALLED EQUIPMENT. MANUALS SHALL BE BOUND IN A THREE RING HARD COVER BINDER. O & M MANUALS SHALL BE SUBMITTED TO THE OWNER PRIOR TO FINAL WALK THROUGH OF THE PROJECT.
12. PROVIDE 2 HOURS OF OWNER TRAINING FOR THE INSTALLED EQUIPMENT. TRAINING SHALL BE HELD ONLY AFTER ALL OF THE EQUIPMENT IS INSTALLED AND PROPER OPERATION IS VERIFIED.
13. CONTRACTOR SHALL SUBMIT A CERTIFIED REPORT INDICATING SYSTEM PERFORMANCE INCLUDING, BUT NOT LIMITED TO, VOLTAGE AND AMPERAGE MEASUREMENTS OF ALL EQUIPMENT GREATER THAN 1/3 H.P., WATER BALANCE MEASUREMENTS OF EACH COIL AND PUMP, AIR BALANCE MEASUREMENTS OF OUTSIDE AIR DELIVERY, AIR HANDLING UNIT SUPPLY, SUPPLY DIFFUSERS, EXHAUST AND RETURN GRILLES. AIR BALANCE SHALL BE WITHIN 10% OF DESIGN CONDITIONS. THE REPORT CERTIFICATION SHALL BE AS FOLLOWS:

I (name) of (company) CERTIFY THAT ALL MEASUREMENTS, FIGURES AND STATEMENTS INDICATED IN THIS REPORT WERE TAKEN BY ME OR UNDER MY SUPERVISION AND ARE ACCURATE AS OF (date). DESIGN FLOWS WERE BASED UPON PLANS DATED (xx/xx/xx).
14. DUCT MATERIAL SHALL BE GALVANIZED OR ALUMINUM CONSTRUCTION IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARD 2005 FOR THE PRESSURE AND SEAL CLASS LISTED IN DUCTWORK/INSULATION SCHEDULE.
15. DUCT SIZES LISTED ON PLANS ARE THE REQUIRED CLEAR INTERIOR DIMENSIONS.
16. SUPPLY AND RETURN BRANCH DUCTS MAY BE INSULATED FLEX DUCT IF THE RUN IS LESS THAN 5 FEET IN LENGTH. ANY LENGTHS OVER 5 FEET SHALL BE RIGID DUCTWORK. DUCT SHALL BE THE SAME SIZE AS THE LISTED DIFFUSER THROAT UNLESS NOTED OTHERWISE.
17. PROVIDE VOLUME CONTROL DAMPERS WHERE INDICATED AND AT ALL TAKEOFFS, BOTH SUPPLY AND RETURN SYSTEMS, AND MAJOR DUCT RUNS. DAMPERS SHALL BE FACTORY-FABRICATED WITH ZINC-PLATED, DIE-CAST CONTROL HARDWARE. CONTROL HARDWARE SHALL INCLUDE HEAVY GAUGE DIAL AND HANDLE WITH ELEVATED PLATFORM FOR INSULATED DUCT MOUNTING.
18. PROVIDE TURNING VANES IN ALL RECTANGULAR ELBOWS CONFORMING TO SMACNA DUCT CONSTRUCTION STANDARD 2005 FIG. 4-2 TYPE RE-3 WITH STANDARD RADIUS. WHERE SPACE PERMITS, PROVIDE RADIUS ELBOWS IN ACCORDANCE WITH FIGURES 4-2, TYPE RE-1.
19. ALL RECTANGULAR MAIN TO RECTANGULAR BRANCH CONNECTIONS, BOTH CONVERGING AND DIVERGING CONFIGURATIONS, SHALL HAVE A 45 DEG. ENTRY TAP CONSTRUCTED IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARD 2005 FIG. 4-6.
20. DIFFUSER PATTERN 4-WAY UNLESS OTHERWISE INDICATED. PROVIDE FIBERGLASS DUCT INSULATION WITH VAPOR BARRIER AS SCHEDULED UNLESS NOTED OTHERWISE.
21. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.
22. THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OR AS OTHERWISE REQUIRED IN THE SPECIFICATIONS.
23. MECHANICAL CONTRACTOR TO INCLUDE THE TEST AND BALANCE, AND ANY PERMIT FEES IN THEIR BID.
24. MECHANICAL CONTRACTOR SHALL VERIFY ALL ROOFTOP EQUIPMENT WEIGHTS, SIZES, LOCATIONS AND OPENINGS REQUIRED AND SHALL COORDINATE ANY CHANGES WITH THE ARCHITECT.
25. UPON PROJECT COMPLETION, RECORD (AS-BUILT) DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ARCHITECT. ALL CHANGES MADE TO EQUIPMENT, DUCTWORK, AND GENERAL DESIGN SHALL BE NOTED ON THE DRAWINGS. PROVIDE IN PDF FORMAT.



**THE MCKINNEY
PARTNERSHIP
architects**

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

**Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072**

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
**MECHANICAL
TITLE SHEET**

Sheet Number:

M0.0

ABBREVIATIONS

| | | | |
|----------|-------------------------------|------|---------------------------|
| A | AMP | IN | INCH |
| ADD | ADDENDUM | LAT | LEAVING AIR TEMPERATURE |
| ADJ | ADJUSTABLE | LB | POUND |
| AFF | ABOVE FINISH FLOOR | LWT | LEAVING WATER TEMPERATURE |
| AHU | AIR HANDLER UNIT | MAX | MAXIMUM |
| AI | ANALOG INPUT | MBH | 1000 BTU PER HOUR |
| ALT | ALTERNATE | MC | MECHANICAL CONTRACTOR |
| AO | ANALOG OUTPUT | MCA | MINIMUM CIRCUIT AMPS |
| APPRX | APPROXIMATE | MECH | MECHANICAL |
| ARCH | ARCHITECT, ARCHITECTURAL | MIN | MINIMUM |
| | | MFR | MANUFACTURER |
| BDD | BACK DRAFT DAMPER | NTS | NOT TO SCALE |
| BLDG | BUILDING | OA | OUTSIDE AIR |
| BTUH | BRITISH THERMAL UNIT PER HOUR | OC | ON CENTER |
| | | P | PUMP |
| C | CENTER | PC | PLUMBING CONTRACTOR |
| CD | CEILING DIFFUSER | PLBG | PLUMBING |
| CFM | CUBIC FEET PER MINUTE | PSI | POUNDS PER SQUARE INCH |
| CO | CLEAN OUT | QTY | QUANTITY |
| COND | CONDENSATE | RA | RETURN AIR |
| CONT | CONTINUOUS | REQD | REQUIRED |
| COP | COEFFICIENT OF PERFORMANCE | REV | REVERSE OR REVISION |
| | | RG | RETURN AIR GRILLE |
| DB | DRY BULB | RPM | REVOLUTIONS PER MINUTE |
| DET | DETAIL | RTU | ROOF TOP UNIT |
| DG | DOOR GRILLE | SA | SUPPLY AIR |
| DI | DIGITAL INPUT | SQFT | SQUARE FEET |
| DIA OR Ø | DIAMETER | SG | SUPPLY GRILLE |
| DIM | DIMENSION | SP | STATIC PRESSURE |
| DN | DOWN | SPEC | SPECIFICATIONS |
| DO | DIGITAL OUTPUT | SS | STAINLESS STEEL |
| DWG | DRAWING | | |
| | | T&B | TEST AND BALANCE |
| EA | EXHAUST AIR | TEMP | TEMPERATURE OR TEMPORARY |
| EAT | ENTERING AIR TEMPERATURE | TG | TRANSFER GRILLE |
| EC | ELECTRICAL CONTRACTOR | TYP | TYPICAL |
| EER | ENERGY EFFICIENCY RATIO | | |
| EF | EXHAUST FAN | V | VOLT |
| EG | EXHAUST GRILLE | VAR | VARIABLE OR VARIES |
| ELEC | ELECTRICAL | VEL | VELOCITY |
| ERV | ENERGY RECOVERY VENTILATOR | VFD | VARIABLE FREQUENCY DRIVE |
| ESP | EXTERNAL STATIC PRESSURE | VIR | VENT THRU ROOF |
| ENT | ENTERING WATER TEMPERATURE | | |
| EX | EXISTING | W/ | WITH |
| | | W/IN | WITHIN |
| FA | FRESH AIR | W/O | WITH OUT |
| FPM | FEET PER MINUTE | WB | WET BULB |
| FT | FOOT (FEET) | WC | WATER COLUMN (INCHES OF) |
| | | WT | WEIGHT |
| GA | GAUGE/GAGE | | |
| GALV | GALVANIZED | | |
| GC | GENERAL CONTRACTOR | | |
| GPM | GALLONS PER MINUTE | | |
| GYP | GYPSPUM | | |
| HORIZ | HORIZONTAL | | |
| HP | HORSEPOWER | | |
| HT | HEIGHT | | |
| I/O | INPUT/OUTPUT | | |

MECHANICAL HVAC LEGEND

| | | | |
|--|--|--|--|
| EXHAUST AIR DUCT (DOWN) | | | EXHAUST AIR DUCT (UP) |
| RETURN AIR DUCT (DOWN) | | | RETURN AIR DUCT (UP) |
| OUTSIDE OR SUPPLY AIR DUCT (DOWN) | | | OUTSIDE OR SUPPLY AIR DUCT (UP) |
| DUCT SIZE | | | NEW DUCTWORK |
| FLEX DUCT | | | EXISTING DUCTWORK |
| DEMOLITION LINETYPE | | | SUPPLY AIR CEILING DIFFUSER |
| RETURN AIR GRILLE | | | EXHAUST AIR GRILLE |
| DIFFUSER, GRILLE, AND REGISTER CALL-OUTS | | | SCHEDULED EQUIPMENT TAG |
| MANUAL BALANCING DAMPER | | | PIPE PENETRATION THROUGH FIRE RATED WALL |
| FIRE DAMPER | | | SMOKE DAMPER |
| MOTORIZED DAMPER | | | FIRE/SMOKE DAMPER |
| THERMOSTAT | | | HUMIDISTAT |
| REMOTE SENSOR | | | CARBON DIOXIDE SENSOR |
| DUCT SMOKE DETECTOR | | | |

MECHANICAL SHEET INDEX

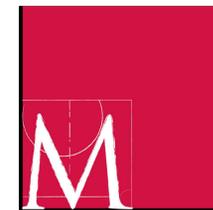
| | |
|-------|-----------------------------|
| M0.0 | MECHANICAL TITLE SHEET |
| M0.1 | MECHANICAL SPECS SHEET |
| MD1.1 | MECHANICAL DEMOLITION PLANS |
| M1.1 | MECHANICAL DUCTWORK PLAN |
| M5.1 | MECHANICAL DETAILS |
| M6.1 | MECHANICAL SCHEDULES |



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

MECHANICAL SPECIFICATIONS

| | | |
|---|--|---|
| <p>MECHANICAL SPECIFICATIONS</p> <p>PART I: GENERAL</p> <p>A. THE CONTRACTOR SHALL FURNISH, INSTALL, PROVIDE AND MAKE OPERATIVE ALL EQUIPMENT, MATERIALS, SUPERVISION LABOR AND ANY AND ALL ITEMS NECESSARY FOR THE PROPER INSTALLATION OF A CORRECTLY FUNCTIONING HEATING VENTILATING AND AIR CONDITIONING SYSTEM AND PLUMBING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.</p> <p>B. SMALL DETAILS NOT USUALLY INDICATED ON THE DRAWINGS OR SPECIFIED, BUT WHICH ARE NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE MECHANICAL SYSTEM, SHALL BE INCLUDED IN THE WORK AND IN THE CONTRACTOR'S ESTIMATE THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL INSTALL THE EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE THE DRAWINGS AND SPECIFICATIONS CONFLICT WITH THE MANUFACTURER'S RECOMMENDATIONS, IT WILL BE THE CONTRACTOR'S DUTY TO BRING THIS TO THE ATTENTION OF THE ARCHITECT.</p> <p>C. ANY ALTERATIONS TO THE PLANS CAUSED BY ALTERNATIVE EQUIPMENT THAT WAS NOT ORIGINALLY SCHEDULED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.</p> <p>PART II: CODE REQUIREMENTS</p> <p>A. ORDINANCES, PERMITS AND CODES: THE WORKMANSHIP AND MATERIALS COVERED BY THESE SPECIFICATIONS SHALL CONFORM TO ALL REGULATIONS OF ALL THE AUTHORITIES HAVING JURISDICTION WHETHER SHOWN ON THE DRAWINGS OR NOT.</p> <p>PART III: PERMITS</p> <p>A. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, CONNECTION AND INSPECTION FEES AS REQUIRED FOR THE COMPLETE INSTALLATION OF THE MECHANICAL AND PLUMBING SYSTEMS.</p> <p>PART IV: SPECIFICATIONS AND DRAWINGS</p> <p>A. THE PLANS DEPICT THE LOCATION OF ALL FIXTURES AND EQUIPMENT AND ARE INTENDED TO INDICATE THE GENERAL INTENT OF THE WORK IN SCOPE, LAYOUT AND QUALITY OF WORKMANSHIP. THEY ARE NOT INTENDED TO SHOW IN MINUTE DETAIL EVERY AND ALL ACCESSORIES INTENDED FOR THE PURPOSE OF EXECUTION OF THE WORK, BUT THE CONTRACTOR SHALL UNDERSTAND THAT SUCH DETAILS ARE PART OF THIS WORK.</p> <p>B. THE LOCATION OF DUCTS, PIPE AND EQUIPMENT AS SHOWN ON THE DRAWINGS, IS DIAGRAMMATIC AND SCHEMATIC AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN WORKING LAYOUT TO ELIMINATE ALL STRUCTURAL INTERFERENCES WITHOUT DETRIMENT TO THE STRUCTURAL AND ARCHITECTURAL COMPONENTS OF THE BUILDING.</p> <p>C. THE CONTRACTOR SHALL CAREFULLY VERIFY ALL MEASUREMENTS OF THE SITE, DETERMINE THE EXACT LOCATION OF ALL CHASES AND OPENINGS REQUIRED BY HIS WORK AND SHALL FURNISH AND SET ALL SLEEVES, INSERTS AND HANGERS AS REQUIRED FOR THE WORK HEREIN.</p> <p>D. ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE SITE AND ALL CONDITIONS. ALL PROPOSALS SHALL TAKE INTO CONSIDERATION ALL SUCH CONDITIONS AS MAY THE WORK UNDER THIS CONTRACT.</p> <p>PART V: COORDINATION AND CONFLICTS</p> <p>A. THE CONTRACTOR SHALL COORDINATE HIS WORK SO THAT IT DOES NOT INTERFERE WITH THE WORK OF THE OTHER TRADES. IT SHALL BE THE CONTRACTOR'S DUTY TO SEE THAT THE WORK IS PERFORMED IN A TIMELY MANNER.</p> <p>B. IN THE EVENT THAT THERE IS A DISCREPANCY OR CONFLICT IN THE PLANS OR SPECIFICATIONS IT SHALL BE THE CONTRACTOR'S DUTY TO NOTIFY THE ARCHITECT OF THIS CONFLICT OR DISCREPANCY PRIOR TO HIS ACCEPTANCE OF THE PROJECT. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCES WILL BE MADE IN THE CONTRACTOR'S AND/OR MANUFACTURER'S FAVOR BY VIRTUE OF ERRORS, AMBIGUITIES AND/OR OMISSIONS WHICH WERE KNOWN TO OR WHICH SHOULD HAVE BEEN KNOWN OR DISCOVERED DURING THE PREPARATION OF THE BID ESTIMATE AND DIRECTED TO THE ARCHITECT'S ATTENTION IN A TIMELY MANNER.</p> <p>PART VI: EXPERIENCE</p> <p>A. THE CONTRACTOR SHALL BE A REPUTABLE FIRM REGULARLY DOING THIS TYPE OF WORK, WITH SKILLED MECHANICS AND EQUIPMENT CAPABLE OF PROVIDING A FIRST CLASS INSTALLATION IN ACCORDANCE WITH ACCEPTABLE MODERN PRACTICES.</p> <p>PART VII: EQUIPMENT</p> <p>A. SUBMITTALS</p> <ol style="list-style-type: none"> SUBMITTALS MUST BE REVIEWED, AND APPROVED BY SUBMITTING CONTRACTOR. SUBMIT FOR ALL EQUIPMENT AND SYSTEMS AS INDICATED IN THE RESPECTIVE SPECIFICATION SECTIONS, MARKING EACH SUBMITTAL WITH THAT SPECIFICATION SECTION NUMBER. MARK GENERAL CATALOG SHEETS AND DRAWINGS TO INDICATE SPECIFIC ITEMS BEING SUBMITTED AND PROPER IDENTIFICATION OF EQUIPMENT BY NAME AND/OR NUMBER, AS INDICATED IN THE CONTRACT DOCUMENTS. SUBMIT ALL SHOP DRAWINGS IN PDF FORMAT WITH PAPER COPIES. <p>B. ACCESS PANELS AND DOORS</p> <ol style="list-style-type: none"> LAY-IN CEILINGS: <ol style="list-style-type: none"> REMOVABLE LAY-IN CEILING TILES IN 2 X 2 FOOT OR 2 X 4 FOOT CONFIGURATION PROVIDED UNDER DIVISION 9 ARE SUFFICIENT; NO ADDITIONAL ACCESS PROVISIONS ARE REQUIRED UNLESS SPECIFICALLY INDICATED. PLASTER WALLS AND CEILINGS <ol style="list-style-type: none"> 16 GAUGE FRAME WITH NOT LESS THAN A 20 GAUGE HINGED DOOR PANEL, PRIME COATED STEEL FOR GENERAL APPLICATIONS, STAINLESS STEEL FOR USE IN TOILETS, SHOWERS, AND SIMILAR WET AREAS; CONCEALED HINGES, SCREWDRIVER OPERATED CAM LATCH FOR GENERAL APPLICATIONS, KEY LOCK FOR USE IN PUBLIC AREAS, UL LISTED FOR USE IN FIRE RATED PARTITIONS IF REQUIRED BY THE APPLICATION. USE THE LARGEST SIZE ACCESS OPENING POSSIBLE, CONSISTENT WITH THE SPACE AND THE EQUIPMENT NEEDING SERVICE; MINIMUM SIZE IS 12" BY 12". PAINT TO MATCH SURROUNDING SURFACE. <p>E. IDENTIFICATION</p> <ol style="list-style-type: none"> IDENTIFY ALL MECHANICAL EQUIPMENT BY STENCILING EQUIPMENT NUMBER AND SERVICE WITH ONE COAT OF BLACK ENAMEL AGAINST A LIGHT BACKGROUND OR WHITE ENAMEL AGAINST A DARK BACKGROUND. USE A PRIMER WHERE NECESSARY FOR PROPER PAINT ADHESION. DO NOT LABEL EQUIPMENT SUCH AS CABINET HEATERS AND CEILING FANS IN OCCUPIED SPACES. MECHANICAL EQUIPMENT INCLUDES BUT IS NOT LIMITED TO: FURNACES, CONDENSERS, RTU'S, AND OTHER SCHEDULED EQUIPMENT. <ol style="list-style-type: none"> STENCILS: NOT LESS THAN 1 INCH HIGH LETTERS/NUMBERS FOR MARKING PIPE AND EQUIPMENT. ENGRAVED NAME PLATES: WHITE LETTERS ON A BLACK BACKGROUND, 1/16 INCH THICK | <p>PLASTIC LAMINATE, BEVELED EDGES, SCREW MOUNTING, SETONPLY STYLE 2060 BY SETON NAME PLATE COMPANY OR EMEDELITE- STYLE EIP BY EMED CO., OR EQUAL BY MARKING SERVICES, OR W. H. BRADY.</p> <ol style="list-style-type: none"> WHERE STENCILING IS NOT APPROPRIATE FOR EQUIPMENT IDENTIFICATION, ENGRAVED NAME PLATES MAY BE USED. <p>F. DUCT PENETRATIONS:</p> <ol style="list-style-type: none"> ANNULAR SPACE BETWEEN DUCT (WITH OR WITHOUT INSULATION) AND THE NON-RATED PARTITION OR FLOOR OPENING SHALL NOT BE LARGER THAN 2". WHERE EXISTING OPENINGS HAVE AN ANNULAR SPACE LARGER THAN 2", THE SPACE SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION TO WITHIN 2" AROUND THE DUCT. INSULATION TO MAINTAIN CONTINUOUS VAPOR BARRIER THROUGH PENETRATION. WHERE SHOWN OR SPECIFIED, PACK ANNULAR SPACE WITH FIBERGLASS BATT INSULATION OR MINERAL WOOL INSULATION. PROVIDE 4" SHEET METAL ESCUTCHEON AROUND DUCT ON BOTH SIDES OF PARTITION OR FLOOR TO COVER ANNULAR SPACE. INSULATION TO MAINTAIN CONTINUOUS VAPOR BARRIER THROUGH PENETRATION. <p>G. SEALING AND FIRESTOPPING</p> <ol style="list-style-type: none"> FIRE AND/OR SMOKE RATED PENETRATIONS: <ol style="list-style-type: none"> INSTALL APPROVED PRODUCT IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS WHERE PIPES PENETRATE A FIRE/SMOKE RATED SURFACE. WHEN PIPE IS INSULATED, USE A PRODUCT WHICH MAINTAINS THE INTEGRITY OF THE INSULATION AND VAPOR BARRIER. PROVIDE A UL LABEL AT EACH PENETRATION. NON-RATED PARTITIONS: <ol style="list-style-type: none"> IN EXTERIOR WALL OPENINGS BELOW GRADE, ASSEMBLE RUBBER LINKS OF MECHANICAL SEAL TO THE PROPER SIZE FOR THE PIPE AND TIGHTEN IN PLACE, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. AT ALL INTERIOR PARTITIONS AND EXTERIOR WALLS, PIPE PENETRATIONS ARE REQUIRED TO BE SEALED. APPLY SEALANT TO BOTH SIDES OF THE PENETRATION IN SUCH A MANNER THAT THE ANNULAR SPACE BETWEEN THE PIPE SLEEVE OR CORED OPENING AND THE PIPE OR INSULATION IS COMPLETELY BLOCKED. DUCT PENETRATIONS THROUGH NON-RATED PARTITIONS SHALL REQUIRE SHEET METAL ESCUTCHEONS WITH FIBERGLASS OR MINERAL WOOL INSULATION FILL FOR SPACES THAT INCLUDE JANITOR CLOSETS, TOILET ROOMS, MECHANICAL ROOMS, CONFERENCE ROOMS, PRIVATE CONSULTATION ROOMS, AND WHERE NOTED ON DRAWINGS ELSEWHERE. <p>PART VIII: INSULATION</p> <ol style="list-style-type: none"> ALL INSULATION, INCLUDING JACKET, OR FACING AND ADHESIVE USED TO ADHERE FACING OR JACKET TO THE INSULATION SHALL HAVE A COMPOSITE FIRE AND SMOKE HAZARD RATING TESTED BY THE PROCEDURE RECOMMENDED BY ASTM E84, NFPA 255 OR UL 723, NOT EXCEEDING FLAME SPREAD 25, SMOKE DEVELOPED 50. ALL INSULATION ACCESSORIES SHALL ALSO HAVE THE RATINGS LISTED ABOVE. NEW SUPPLY/MAKE UP AIR DUCT SHALL BE INSULATED WITH 2" THICK BLANKET TYPE FIBERGLASS INSULATION WITH A MINIMUM DENSITY OF 1.0 POUND/CUBIC FOOT, AND A FACTORY APPLIED FLAME RETARDANT FOIL BACKED KRAFT FACING. INSULATION SHALL BE WRAPPED ON THE DUCTWORK WITH ALL CIRCUMFERENTIAL JOINTS BUTTED AND LONGITUDINAL JOINTS OVERLAPPED A MINIMUM OF 2". ADHERE INSULATION WITH 4" STRIPS OF INSULATION BONDING ADHESIVE AT 8" CENTERS. FIBERGLASS SERIES ED100 OR EQUAL. NEW RETURN/EXHAUST DUCT SHALL BE INSULATED WITH 1-1/2" THICK BLANKET TYPE FIBERGLASS INSULATION WITH A MINIMUM DENSITY OF 1.0 POUND/CUBIC FOOT, AND A FACTORY APPLIED FLAME RETARDANT FOIL BACKED KRAFT FACING. INSULATION SHALL BE WRAPPED ON THE DUCTWORK WITH ALL CIRCUMFERENTIAL JOINTS BUTTED AND LONGITUDINAL JOINTS OVERLAPPED A MINIMUM OF 2". ADHERE INSULATION WITH 4" STRIPS OF INSULATION BONDING ADHESIVE AT 8" CENTERS. FIBERGLASS SERIES ED100 OR EQUAL. RIGID FIBERGLASS INSULATION: MINIMUM NOMINAL DENSITY OF 3 LBS. PER CU. FT., AND THERMAL CONDUCTIVITY OF NOT MORE THAN 0.23 AT 75 DEGREES F, MINIMUM COMPRESSIVE STRENGTH OF 25 PSF AT 10% DEFORMATION, RATED FOR SERVICE TO 450 DEGREES F. ALL INSULATION TO CREATE A CONTINUOUS VAPOR BARRIER BETWEEN MAIN AND BRANCH DUCTWORK. ACCEPTABLE MANUFACTURER'S ARE OWENS CORNING, JOHNS MANVILLE, ARMSTRONG OR CERTAINTED. <p>PART IX: DUCTWORK</p> <ol style="list-style-type: none"> ALL DUCTWORK SHALL BE CONSTRUCTED OF THE BEST BLOOM GALVANIZED SHEET METAL SHEETS, FREE FROM BLISTER IMPERFECTIONS, AND WITH GAUGES, JOINTS, BRACING AND SUPPORTS TO BE IN STRICT ACCORDANCE WITH SMACNA STANDARDS, 1993 EDITION. PROVIDE "PAINT GRIP" FINISH FOR DUCTWORK THAT WILL BE PAINTED. <ol style="list-style-type: none"> GALVANIZED STEEL SHEET: USE ASTM A 653 GALVANIZED STEEL SHEET OF LOCK FORMING QUALITY. GALVANIZED COATING TO BE 1.25 OUNCES PER SQUARE FOOT, BOTH SIDES OF SHEET, 90 IN ACCORDANCE WITH ASTM A90. PROVIDE "PAINT GRIP" FINISH FOR DUCTWORK THAT WILL BE PAINTED. STAINLESS STEEL SHEET: USE ASTM A167, TYPE 304 OR 316 STAINLESS STEEL SHEET AS SPECIFIED, 316L IF WELDED DUCTWORK, WITH NO. 2B FINISH FOR CONCEALED WORK AND NO. 3 FINISH FOR EXPOSED WORK. CROSS BREAK FLAT SIDES OF DUCTS. REDUCTION IN DUCT SIZES SHALL BE MADE WITH A MAXIMUM SLOPE OF 30 DEGREES. DOUBLE THICKNESS TURNING VANES SHALL BE USED IN ALL 90 DEGREE SUPPLY AIR ELBOWS. DUCT HANGERS FOR HORIZONTAL DUCT SHALL NOT BE OVER 8'-0" O.C. #16 U.S. GAUGE, ONE INCH WIDE FOR DUCTS 35" INCHES GREATEST DIMENSION, 6'-0" UP TO 59" GREATEST DIMENSION, AND 4'-0" FOR DUCTS OVER 60". DUCT HANGERS SHALL EXTEND TO THE BOTTOM OF THE DUCT. SUPPORTS SHALL BE 18 GAUGE. EACH SECTION OF DUCT SHALL HAVE AT LEAST ONE PAIR OF SUPPORTS. ALL DUCTWORK SHALL BE MADE AIRTIGHT WITH MASTIC AND PRESSURE SENSITIVE TAPE. ALL ACCESSORY ITEMS SUCH AS TURNING VANES, DAMPER, ETC., SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS. <p>L. DUCT SEALANT</p> <ol style="list-style-type: none"> SILICONE SEALANTS ARE NOT ALLOWED IN ANY TYPE OF DUCTWORK INSTALLATION INSTALL SEALANTS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, PAYING SPECIAL ATTENTION TO TEMPERATURE LIMITATIONS. ALLOW SEALANT TO FULLY CURE BEFORE PRESSURE TESTING OF DUCTWORK, OR BEFORE STARTUP OF AIR HANDLING SYSTEMS. <p>J. GASKETS</p> <ol style="list-style-type: none"> 2 INCH PRESSURE CLASS AND LOWER: SOFT NEOPRENE OR BUTYL GASKETS IN COMBINATION WITH | <p>DUCT SEALANT FOR FLANGED JOINTS.</p> <p>PART X: REINFORCEMENT:</p> <ol style="list-style-type: none"> ALL DUCTS REQUIRING REINFORCEMENT SHALL BE REINFORCED ACCORDING TO THE LATEST EDITION OF THE SMACNA MANUAL. MATERIALS FOR THE REINFORCING SHALL BE GALVANIZED STEEL. ALL SCREWS AND WASHERS SHALL BE PLATED OR GALVANIZED. <p>PART XI: AIR DISTRIBUTION:</p> <ol style="list-style-type: none"> SHALL BE AS SCHEDULED ON THE DRAWINGS. FINISH SHALL BE OFF-WHITE. NC SHALL NOT EXCEED 24. ACCEPTABLE MANUFACTURER SHALL BE TITUS, PRICE, CARNES, KRUEGER. SQUARE CEILING DIFFUSERS - HIGH PERFORMANCE <ol style="list-style-type: none"> DIFFUSERS TO BE STEEL UNLESS OTHERWISE INDICATED, LOUVERED FACE FURNISHED WITH FRAME TYPE APPROPRIATE TO INSTALLATION DIFFUSER SHALL HAVE THROWN CHARACTERISTICS OF A ROUND DIFFUSER HAVING A 360° HORIZONTAL BLOW PATTERN. LOUVER CONES SHALL BE ONE-PIECE CONSTRUCTION WITH NO CORNER JOINTS. WHITE, BAKED ENAMEL FINISH OR POWDER COAT FINISH, UNLESS OTHERWISE INDICATED. HIGH PERFORMANCE TYPE DIFFUSER INCORPORATING SHORT THROWS AND LOW NC LEVELS. <p>C. EGCGRATE GRILLE</p> <ol style="list-style-type: none"> ALUMINUM CONSTRUCTION WITH FRAME TYPE APPROPRIATE TO INSTALLATION. GRILLE FACE 1/2" X 1/2" OR 1" X 1" GRID PATTERN 1" DEEP WITH A MINIMUM OF 85% FREE AREA. GRILLE SIZES AND FINISHES AS SHOWN ON DRAWINGS AND/OR AS SCHEDULED. WHITE, BAKED ENAMEL FINISH OR POWDER COAT FINISH, UNLESS OTHERWISE INDICATED. SCREW HOLES ON SURFACE COUNTER SUNK TO ACCEPT RECESSED TYPE SCREWS. <p>PART XII: DUCT ACCESS:</p> <ol style="list-style-type: none"> MANUAL VOLUME DAMPERS <ol style="list-style-type: none"> SHALL BE MANUFACTURED BY RUSKIN, VENT PRODUCTS, AIR BALANCE, OR GREENHECK. SUBSTITUTIONS MUST MEET SPECIFICATIONS AND BE APPROVED PRE BIDDING BY THE ENGINEER. DAMPERS MUST BE CONSTRUCTED IN ACCORDANCE WITH SMACNA FIG. 2-12, FIG. 2-13, AND NOTES RELATING TO THESE FIGURES, EXCEPT AS MODIFIED BELOW. REINFORCE ALL BLADES TO PREVENT VIBRATION, FLUTTER, OR OTHER NOISE. CONSTRUCT DAMPERS IN MULTIPLE SECTIONS WITH MULLIONS WHERE WIDTH IS OVER 48 INCHES. USE RIVETS OR TACK WELDS TO SECURE INDIVIDUAL COMPONENTS; SHEET METAL SCREWS WILL NOT BE ACCEPTED. PROVIDE OPERATORS WITH LOCKING DEVICES AND DAMPER POSITION INDICATORS FOR EACH DAMPER; USE AN ELEVATED PLATFORM ON INSULATED DUCTS. PROVIDE END BEARINGS OR BUSHINGS FOR ALL VOLUME DAMPER RODS PENETRATING DUCTWORK CONSTRUCTED TO A 3" W.C. PRESSURE CLASS OR ABOVE. TURNING VANES <ol style="list-style-type: none"> CONSTRUCT TURNING VANES AND RUNNERS FOR SQUARE ELBOWS IN ACCORDANCE WITH SMACNA FIG. 2-3 AND FIG. 2-4 EXCEPT USE ONLY AIRFOIL TYPE VANES. CONSTRUCT TURNING VANES FOR SHORT RADIUS ELBOWS AND ELBOWS WHERE ONE DIMENSION CHANGES IN THE TURN IN ACCORDANCE WITH SMACNA FIG. 2-5 AND FIG. 2-6. <p>D. ACCESS DOORS</p> <ol style="list-style-type: none"> ACCESS DOOR TO BE DESIGNED AND CONSTRUCTED FOR THE PRESSURE CLASS OF THE DUCT IN WHICH THE DOOR IS TO BE INSTALLED. DOORS IN EXPOSED AREAS SHALL BE HINGED TYPE WITH CAM SASH LOCK. HINGES SHALL BE STEEL FULL LENGTH CONTINUOUS PIANO TYPE. DOORS IN CONCEALED SPACES MAY BE SECURED IN PLACE WITH CAM SASH LATCHES. FOR BOTH HINGED AND NON HINGED DOORS PROVIDE SUFFICIENT NUMBER OF CAM SASH LATCHES TO PROVIDE AIR TIGHT SEAL WHEN DOOR IS CLOSED. DO NOT USE HINGED DOORS IN CONCEALED SPACES IF THIS WILL RESTRICT ACCESS. USE MINIMUM 1" DEEP 24 GAUGE GALVANIZED STEEL DOUBLE WALL ACCESS DOORS WITH MINIMUM 24 GAUGE GALVANIZED STEEL FRAMES. FOR NON-GALVANIZED DUCTWORK, USE MINIMUM 1" DEEP DOUBLE WALL ACCESS DOOR WITH FRAME THAT SHALL USE MATERIALS OF CONSTRUCTION IDENTICAL TO ADJACENT DUCTWORK. PROVIDE DOUBLE NEOPRENE GASKET THAT SHALL PROVIDE SEALS FROM THE FRAME TO THE DOOR AND FRAME TO THE DUCT. WHEN ACCESS DOORS ARE INSTALLED IN INSULATED DUCTWORK OR EQUIPMENT PROVIDE INSULATED DOORS WITH INSULATION EQUIVALENT TO WHAT IS PROVIDED FOR ADJACENT DUCTWORK OR EQUIPMENT. ACCESS DOORS CONSTRUCTED WITH SHEET METAL SCREW FASTENERS WILL NOT BE ACCEPTED. USE INSULATED 1-1/2 HOUR UL 1978 LISTED AND LABELED ACCESS DOORS IN KITCHEN EXHAUST DUCTS. <p>PART XIV: TEST AND BALANCE:</p> <ol style="list-style-type: none"> THE CONTRACTOR WILL SEPARATELY CONTRACT WITH AN INDEPENDENT TEST AND BALANCE AGENCY TO PERFORM ALL TESTING, ADJUSTING, AND BALANCING OF AIR SYSTEMS REQUIRED FOR THIS PROJECT. TESTING PROCEDURES TO BE PERFORMED IN ACCORDANCE WITH AABC OR NEBB. <ol style="list-style-type: none"> TEST, ADJUST, AND BALANCE ALL AIR SYSTEMS SO THAT EACH ROOM, PIECE OF EQUIPMENT OR TERMINAL DEVICE MEETS THE DESIGNED REQUIREMENTS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. PERMANENTLY MARK EQUIPMENT SETTINGS, INCLUDING DAMPER POSITIONS, CONTROL SETTINGS, AND SIMILAR DEVICES ALLOWING SETTINGS TO BE RESTORED, SET AND LOCK MEMORY STOPS. QUALIFICATIONS: AN INDEPENDENT FIRM SPECIALIZING IN THE TESTING AND BALANCING OF HVAC SYSTEMS FOR A MINIMUM OF 3 YEARS. SUBMIT TESTING, ADJUSTING, AND BALANCING REPORTS BEARING THE SEAL AND SIGNATURE OF THE NEBB OR AABC CERTIFIED TEST AND BALANCE SUPERVISOR. DISTRIBUTE COPIES OF THE REPORT TO THE CONTRACTOR, THE LEAD CONTRACTOR, THE OWNER, AND THE PRIME ARCHITECT/ENGINEER. <p>PART XV: WALK THRU:</p> <ol style="list-style-type: none"> THE GENERAL CONTRACTOR SHALL PERFORM AN INSTRUCTIONAL WALK THRU WITH THE OWNER TO EXPLAIN THE OPERATION OF THE HVAC SYSTEM. PROVIDE A MINIMUM OF 4 HOURS OF OWNER TRAINING. TRAINING TO INCLUDE HOW TO OPERATE AND MAINTAIN EQUIPMENT. |
|---|--|---|



THE MCKINNEY PARTNERSHIP architects

3600 West Main Suite 200 Norman, Oklahoma 73072 405.360.1400 p 405.364.8287 f tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

MECHANICAL SPECS SHEET

Sheet Number:

M0.1



2800 Van Buren St., Suite 2635 Norman, OK 73072 Salas O'Brien Registration: CA# 7058 Expiration Date: 6/30/2025 Salas O'Brien Project Number: 2023-02214-00

GENERAL NOTES

1. ALL ROOF TOP EQUIPMENT TO BE LOCATED A MINIMUM 10'-0" AWAY FROM ROOF EDGE.
2. MAINTAIN A MINIMUM OF 10'-0" HORIZONTAL CLEARANCE BETWEEN ALL EXHAUST OUTLETS AND ANY FRESH AIR INTAKES.
3. ALL ROOF SUPPORT SYSTEMS ARE TO BE MANUFACTURED FOR THE ROOF MATERIAL/SYSTEM TO BE INSTALLED. REFER TO ARCHITECTURAL PLANS FOR THE ROOF SYSTEM, CURB INSTALLATION TO BE WARRANTED BY ROOFING CONTRACTOR.

KEYED NOTES

- ① ROOFTOP UNITS TO REMAIN. CLEAN EXISTING UNIT AND REMOVE ALL DUCTWORK BACK TO UNIT.
- ② DEMOUSH ALL EXISTING SUPPLY DIFFUSERS AND RETURN GRILLES.



**THE MCKINNEY
PARTNERSHIP
architects**

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

**Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072**

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

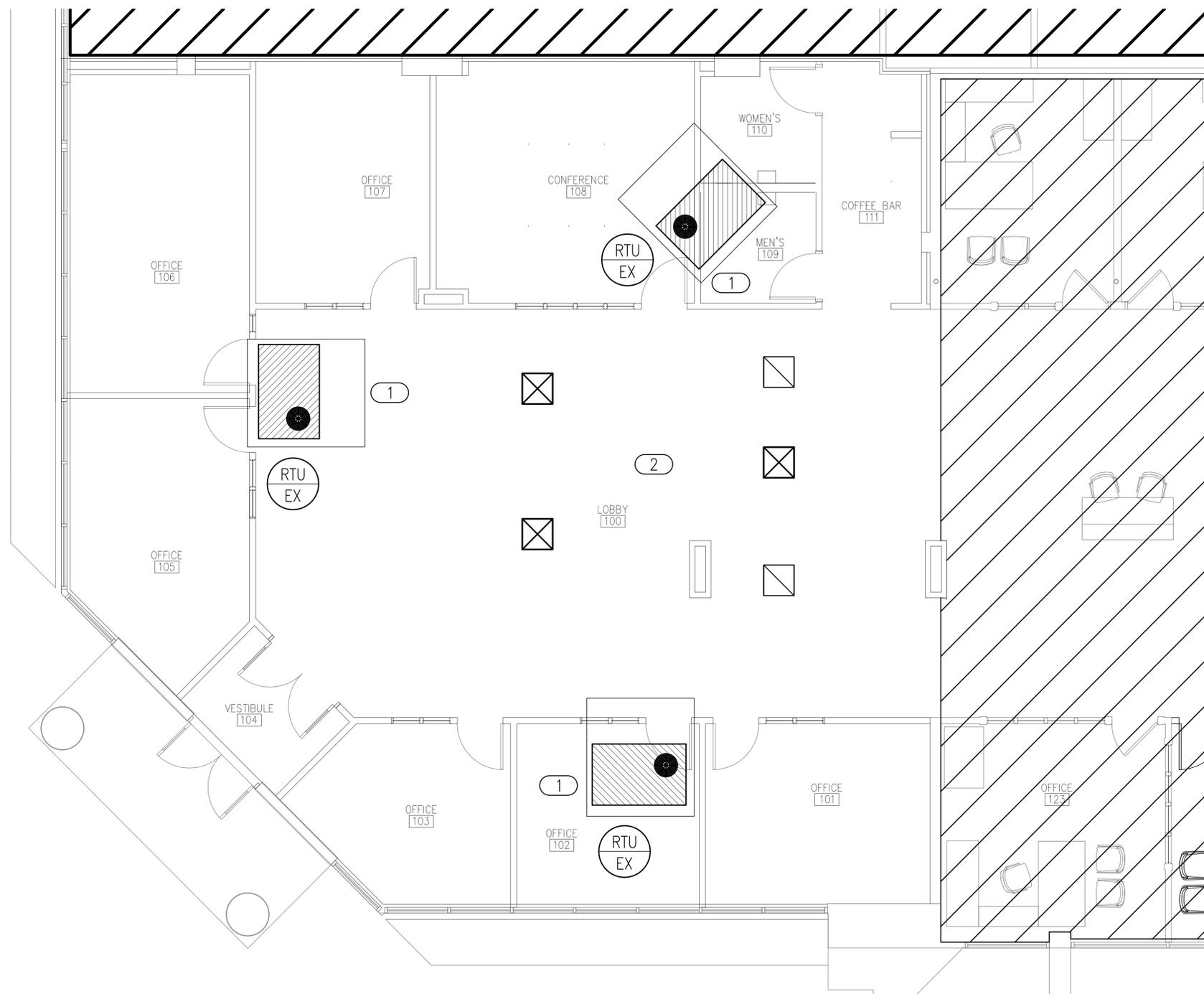
Revisions:

Project Number:
CM093523

Sheet Title:
**MECHANICAL
DEMOLITION PLAN**

Sheet Number:

MD1.1



1 MECHANICAL DUCTWORK PLAN

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



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

GENERAL NOTES

- COORDINATE WORK WITH ALL TRADES.
- THERMOSTAT SHALL BE ROUGHED IN BY E.C. COORDINATE WITH E.C.

KEYED NOTES

- EF-1 SHALL BE PLACED A MINIMUM OF TEN FEET OR MORE FROM THE ROOF'S EDGE AND AWAY FROM ANY OTHER AIR INTAKE EQUIPMENT. ROUTE 10X10 EXHAUST DUCT UP TO EF-1.
- EXISTING HVAC TO REMAIN IN THIS AREA. NEW DIFFUSERS AND GRILLES TO MATCH EXISTING.
- CONNECT 22X20 SUPPLY DUCT AND 20X18 RETURN DUCT TO NEWLY REPLACED RTU 4.
- CONNECT 20X18 SUPPLY DUCT AND 18X16 RETURN DUCT TO EXISTING RTU 5.
- CONNECT 18X16 SUPPLY DUCT AND 18X14 RETURN DUCT TO NEWLY REPLACED RTU 6.

AIR FLOW SCHEDULE

| RTU 4 | LOCATION | DIFFUSER NAME | CFM | NECK SIZE | NOTES |
|-------|-------------------|---------------|-----|-----------|-------|
| Ⓐ | OFFICE - 102, 103 | CDR-1 | 400 | 120 | 1 |
| Ⓑ | OFFICE - 101 | CDR-1 | 320 | 100 | 1 |
| Ⓒ | LOBBY X4 | CDR-1 | 215 | 100 | 1 |
| Ⓓ | OFFICE - 102, 103 | RG-1 | 360 | 12X10 | 1 |
| Ⓔ | OFFICE - 101 | RG-1 | 300 | 12X10 | 1 |
| Ⓕ | LOBBY X2 | RG-1 | 355 | 12X10 | 1 |

NOTES:
 1. PROVIDE MANUAL BALANCING DAMPER.
 2. REFER TO MECHANICAL SCHEDULES SHEET M-601 FOR ADDITIONAL INFORMATION.

AIR FLOW SCHEDULE

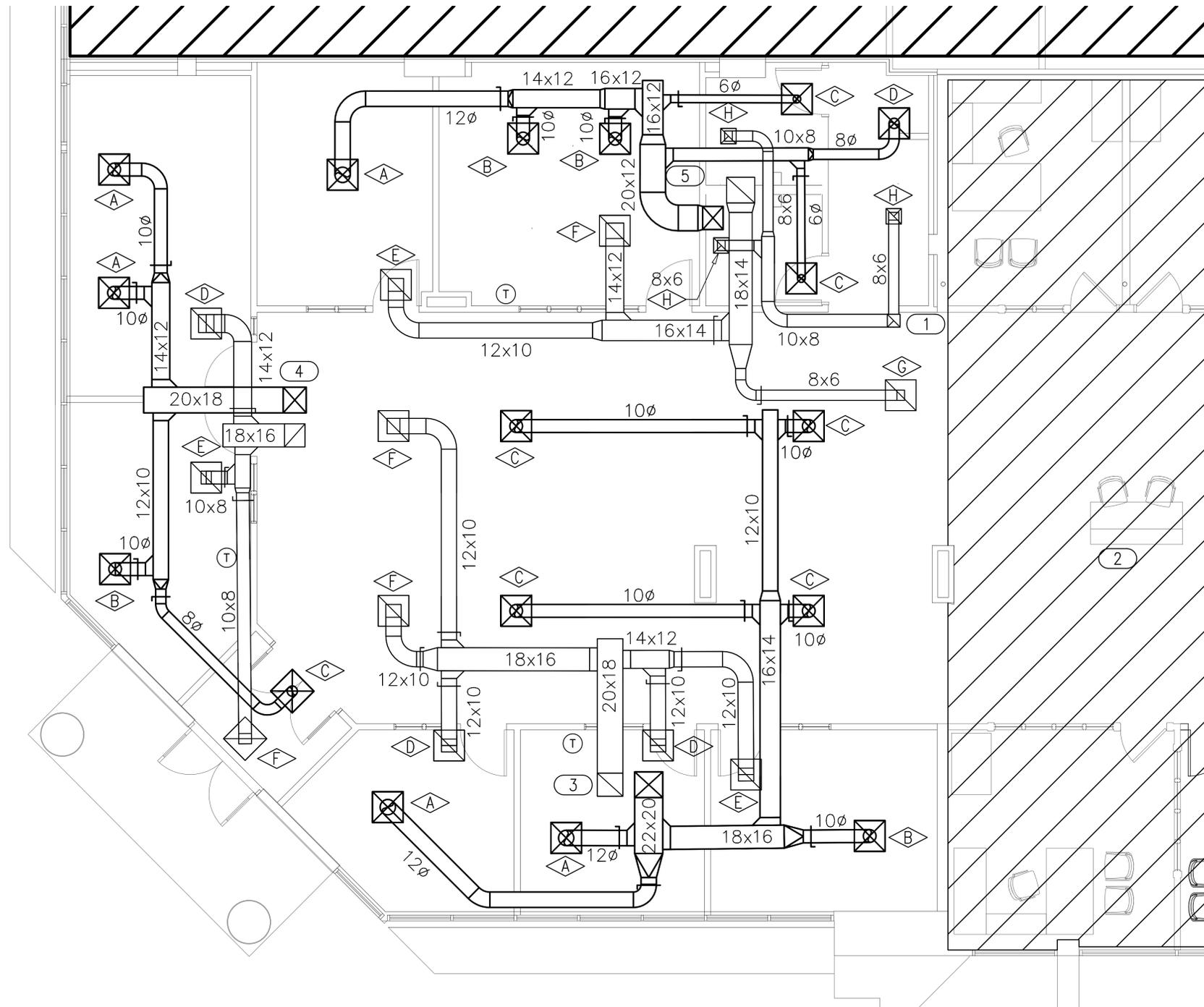
| RTU 5 | LOCATION | DIFFUSER NAME | CFM | NECK SIZE | NOTES |
|-------|--------------|---------------|-----|-----------|-------|
| Ⓐ | OFFICE - 106 | CDR-1 | 325 | 100 | 1 |
| Ⓑ | OFFICE - 105 | CDR-1 | 300 | 100 | 1 |
| Ⓒ | VESTIBULE | CDR-1 | 175 | 80 | 1 |
| Ⓓ | OFFICE - 106 | RG-1 | 560 | 14X12 | 1 |
| Ⓔ | OFFICE - 105 | RG-1 | 260 | 10X8 | 1 |
| Ⓕ | VESTIBULE | RG-1 | 155 | 10X8 | 1 |

NOTES:
 1. PROVIDE MANUAL BALANCING DAMPER.
 2. REFER TO MECHANICAL SCHEDULES SHEET M-601 FOR ADDITIONAL INFORMATION.

AIR FLOW SCHEDULE

| RTU 6 | LOCATION | DIFFUSER NAME | CFM | NECK SIZE | NOTES |
|-------|----------------------|---------------|-----|-----------|-------|
| Ⓐ | OFFICE - 107 | CDR-1 | 400 | 120 | 1 |
| Ⓑ | CONFERENCE - 108 | CDR-1 | 250 | 100 | 1 |
| Ⓒ | RESTROOMS - 109, 110 | CDR-1 | 75 | 60 | 1 |
| Ⓓ | COFFEE BAR - 111 | CDR-1 | 125 | 80 | 1 |
| Ⓔ | OFFICE - 107 | RG-1 | 390 | 12X10 | 1 |
| Ⓕ | CONFERENCE - 108 | RG-1 | 490 | 14X12 | 1 |
| Ⓖ | LOBBY | RG-1 | 115 | 8X6 | 1 |
| Ⓗ | 109, 110, 111 | EG-1 | 75 | 8X6 | 1 |

NOTES:
 1. PROVIDE MANUAL BALANCING DAMPER.
 2. REFER TO MECHANICAL SCHEDULES SHEET M-601 FOR ADDITIONAL INFORMATION.



THE MCKINNEY PARTNERSHIP architects

3600 West Main
 Suite 200
 Norman, Oklahoma
 73072
 405.360.1400 p
 405.364.8287 f
 tmparch.com

Seal:



Project:

**Vision Bank
 3600 West Main, Suite 100
 Norman, Oklahoma 73072**

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

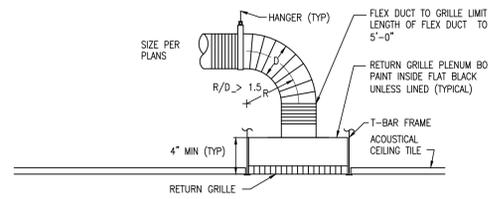
Project Number:
CM093523

Sheet Title:
MECHANICAL DUCTWORK PLAN

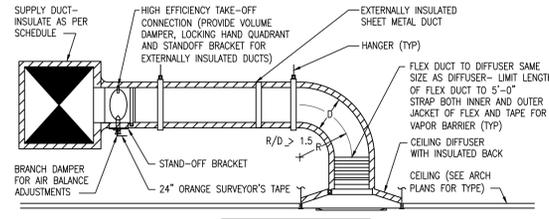
Sheet Number:

M1.1

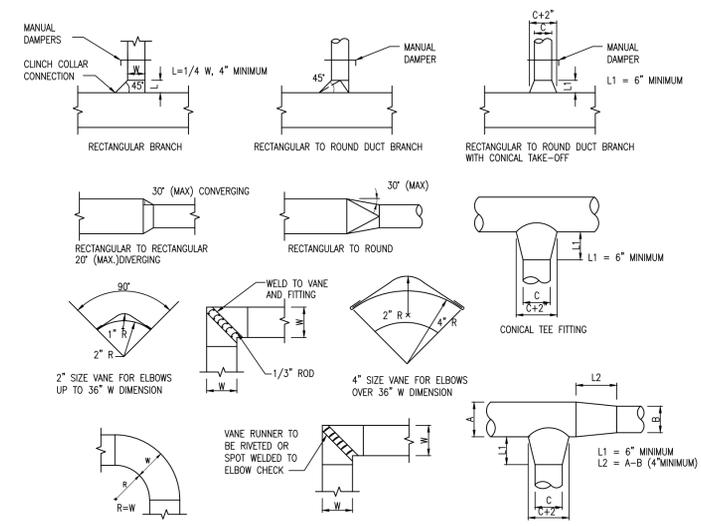




3 RETURN/EXHAUST AIR GRILLE PLENUM BOX
NOT TO SCALE

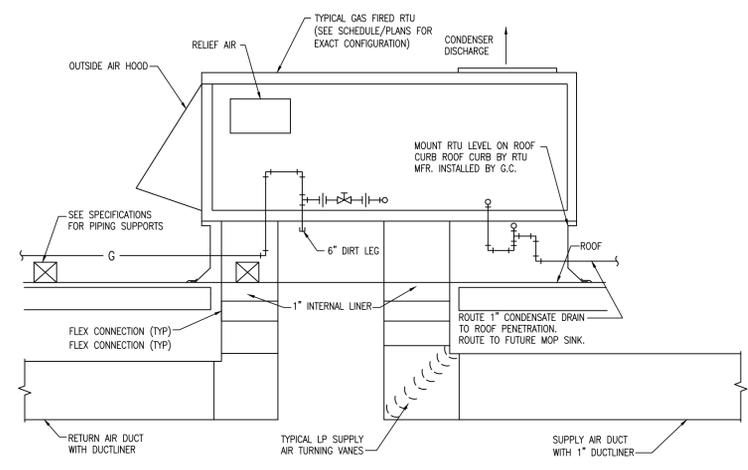


2 CEILING DIFFUSER DETAIL
NOT TO SCALE

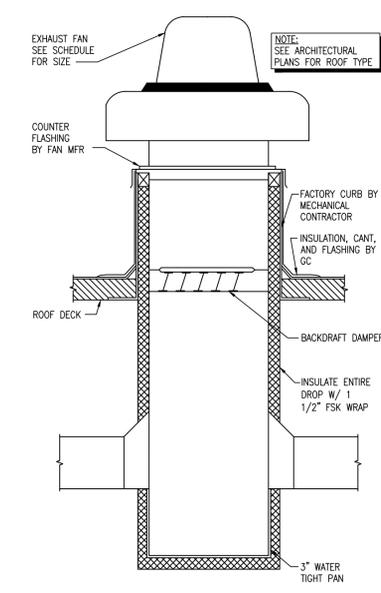


- NOTES:**
1. ALL DUCTWORK TO BE CONSTRUCTED TO MEET S.M.A.C.N.A. STANDARDS
2. REMOVE EVERY OTHER TURNING VANE IN RETURN/EXHAUST DUCTS.

1 TYPICAL DUCTWORK DETAILS
NOT TO SCALE



5 TYPICAL ROOF TOP UNIT DETAIL
NOT TO SCALE



4 POWER ROOF VENTILATION DETAIL
NOT TO SCALE



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

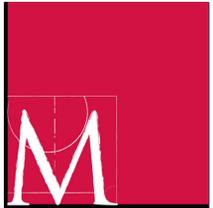
Revisions:

Project Number:
CM093523

Sheet Title:
**MECHANICAL
DETAILS**

Sheet Number:
M5.1

Salas O'Brien
2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00



**THE MCKINNEY
PARTNERSHIP**
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
**MECHANICAL
SCHEDULES**

Sheet Number:

M6.1

| GRILLE, REGISTER, AND DIFFUSER SCHEDULE | | | | | | |
|---|---|--------------------------|----------|--------------------|----------------|--|
| PLAN SYMBOL | DESCRIPTION | MANUFACTURER & MODEL NO. | MATERIAL | FINISH | NOISE CRITERIA | |
| CDR-1 #8 | SQUARE FACE, ROUND NECK, 4-WAY DEFLECTION CEILING DIFFUSER, SPRING LOCK INNER CORE, FOR SURFACE MOUNT INSTALLATION. | PRICE SCD (3C) | STEEL | COLOR BY ARCHITECT | -- | |
| CDR-1 #10 | SQUARE FACE, ROUND NECK, 4-WAY DEFLECTION CEILING DIFFUSER, SPRING LOCK INNER CORE, FOR SURFACE MOUNT INSTALLATION. | PRICE SCD (3C) | STEEL | COLOR BY ARCHITECT | -- | |
| CDR-1 #12 | SQUARE FACE, ROUND NECK, 4-WAY DEFLECTION CEILING DIFFUSER, SPRING LOCK INNER CORE, FOR SURFACE MOUNT INSTALLATION. | PRICE SCD (3C) | STEEL | COLOR BY ARCHITECT | -- | |
| RG-1 24X24 | BLADE PATTERN GRILLE, FIXED CORE, FOR SURFACE MOUNT INSTALLATION. | PRICE 500 | STEEL | COLOR BY ARCHITECT | -- | |
| EG-1 12X12 | SQUARE PATTERN GRILLE, FIXED CORE OF 1/2"x1/2"x1/2" FABRICATED ALUMINUM SQUARES, FLAT FRAME WITH 1 1/4" MARGIN, FOR SURFACE MOUNT INSTALLATION. | PRICE 90 | ALUMINUM | COLOR BY ARCHITECT | -- | |

NOTES:
SEE PLANS FOR QUANTITY AND SIZES.
M.C. TO FIELD VERIFY CEILING TYPE FOR ALL GRD BEFORE PURCHASING EQUIPMENT. PROVIDE REQUIRED MOUNTING.

| DUCTWORK/INSULATION SCHEDULE | | | | | | | | | | | | |
|-------------------------------|--------------|------|----|-------------|------------|-------------|------------|------------|--------------------|--------------------|-------|--------|
| SYSTEM | LOW PRESSURE | | | MED. PRESS. | | HIGH PRESS. | | INSULATION | | | NOTES | |
| | MAX. PRES. | SEAL | | | MAX. PRES. | SEAL A | MAX. PRES. | SEAL A | INTERNAL THICKNESS | EXTERNAL THICKNESS | | |
| | | A | B | C | | | | | | | | |
| SUPPLY AIR WITHIN 10' OF UNIT | 2" | X | -- | -- | -- | -- | -- | -- | YES | 1" | NO | -- |
| SUPPLY AIR BEYOND 10' OF UNIT | 2" | X | -- | -- | -- | -- | -- | -- | NO | -- | YES | 2" FSK |
| RETURN AIR WITHIN 10' OF UNIT | 2" | -- | X | -- | -- | -- | -- | -- | YES | 1" | NO | -- |
| RETURN AIR BEYOND 10' OF UNIT | 2" | -- | X | -- | -- | -- | -- | -- | NO | -- | YES | 2" FSK |
| OUTSIDE AIR/MIXED AIR | 2" | -- | X | -- | -- | -- | -- | -- | NO | -- | YES | 3" FSK |

NOTES:

| EXISTING PACKAGED ROOFTOP GAS/ELECTRIC UNIT SCHEDULE | | | | | | | | | | | | | | | |
|--|-----------|-----------|------------|----------------------|---------|-----------------|-----------|--------------|-----------------|-----|------|----------|--------|-----------------------------|-------|
| RTU # | LOCATION | INPUT MBH | OUTPUT MBH | COOLING NOMINAL TONS | MIN EER | CAPACITY STAGES | TOTAL CFM | MIN F.A. CFM | ELECTRICAL | | | ESP (IN) | WEIGHT | MANUFACTURER & MODEL NUMBER | NOTES |
| | | | | | | | | | VOLTAGE & PHASE | MCA | MOCP | | | | |
| EX 4 | SEE PLANS | -- | -- | 5 | -- | -- | 1980 | 250 | -- | -- | -- | -- | -- | LENNOX KGB06054D | -- |
| EX 5 | SEE PLANS | -- | -- | 3 | -- | -- | 1125 | 150 | -- | -- | -- | -- | -- | TRANE GBC03643EMB07 | -- |
| EX 6 | SEE PLANS | -- | -- | 3 | -- | -- | 1175 | 180 | -- | -- | -- | -- | -- | LENNOX KGB03654D | -- |

| EXHAUST FAN SCHEDULE | | | | | | | | | | | | | | | | | |
|----------------------|----------|---------|-----|-----|---------|-----------------|------|----------|-----|------|-------------------|--------|-------------|-------------------|--------|-----------------------------|-------|
| EF # | LOCATION | SYSTEM | CFM | SP | FAN RPM | ELECTRICAL | | | | | DAMPER BDD OR MOD | DRIVE | FAN TYPE | INTERLOCK/CONTROL | WEIGHT | MANUFACTURER & MODEL NUMBER | NOTES |
| | | | | | | VOLTAGE & PHASE | H.P. | FLA/AMPS | MCA | MOCP | | | | | | | |
| 1 | ROOF | EXHAUST | 225 | 0.5 | 1725 | 120 / 1 | -- | -- | -- | -- | MOD | DIRECT | CENTRIFUGAL | SWITCH | 28 | GREENHECK G-080-VG | 1-3 |

NOTES: M.C. IS RESPONSIBLE FOR PROVIDING ANY AND ALL NECESSARY DIMENSIONAL, ELECTRICAL, MECHANICAL, AND STRUCTURAL ALTERATIONS NECESSITATED BY PROVIDING ALTERNATE EQUIPMENT.
1. PROVIDE ELECTRONIC SPEED CONTROL MOUNTED ABOVE ACCESSIBLE CEILING.
2. M.C. SHALL PROVIDE AND INSTALL LOW VOLTAGE MOTORIZED DAMPER.
3. OPERATION OF DEVICE ON OCCUPIED MODE OF FURNACE OR SWITCH WITH LIGHTS. SEE INTERLOCK/CONTROL COLUMN FOR TYPE.



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

GENERAL PLUMBING NOTES

- THESE DRAWINGS SHALL NOT BE SCALED. SEE ARCHITECTURAL/CIVIL DRAWINGS FOR DIMENSIONAL INFORMATION. THIS ENGINEER WILL NOT BE LIABLE FOR MISCALCULATED PRODUCT TAKE-OFFS DUE TO SCALING OF DRAWINGS.
- ALL SANITARY PIPING SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED. 2" SANITARY OR SMALLER SHALL HAVE A 1/4" PER FOOT SLOPE.
- VENT PIPING SHOWN ON FLOOR PLANS IS DIAGRAMMATIC EXCEPT FOR VENT THRU ROOF (VTR) LOCATIONS.
- VALVES AND FITTINGS SHALL BE OF SAME SIZE AS THE LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.
- CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.
- ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.
- CHANGES IN THE DIRECTION OF SANITARY DRAIN PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL CAUSE EXCESSIVE REDUCTION IN THE VELOCITY OF FLOW OR CREATE ANY OTHER ADVERSE EFFECT UNLESS PHYSICALLY IMPOSSIBLE (I.E.: USE OF SANITARY TEE IN A HORIZONTAL CONNECTION, USE OF A DOUBLE SANITARY TEE IN A VERTICAL STACK, IN GENERAL, USE OF SHORT-RADIUS FITTINGS FOR BRANCH TO HOUSE DRAIN OR STACK CONNECTION).
- CONTRACTOR SHALL GIVE 48 HOUR EMERGENCY LOCATE NOTICE TO APPLICABLE UTILITY COMPANY PRIOR TO PERFORMING WORK INVOLVING UTILITIES.
- ALL DRAINAGE PIPING SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.
- ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.
- SITE UTILITY CONNECTIONS SHALL BE PROVIDED ON CIVIL DRAWINGS. ALL SERVICES SHOWN ON THIS SET OF PLANS TERMINATE 5'-0" FROM BUILDING, UNLESS SHOWN OTHERWISE ON DRAWINGS. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO SITE UTILITIES. (INC. CLEAN OUTS, INCREASES, BACKWATER VALVES, ETC.)
- COORDINATE WITH ARCHITECT FOR INSTALLATION OF HOSE BIBS. HEIGHT OF INSTALLATION SHALL BE DETERMINED IN FIELD.
- CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SEWERS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.
- ALL VENTS THROUGH ROOF SHALL BE MIN. 10'-0" FROM ANY AIR INTAKES.
- CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
- CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.
- DO NOT PENETRATE WALL FOOTINGS WITH PIPING, COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY STRUCTURAL ENGINEER. PROVIDE LINK-SEALS IN ALL PENETRATIONS OF EXTERIOR WALLS.
- ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE IN PROVIDED CEILING SPACE.
- COORDINATE PIPING INSTALLATION AS TO NOT INTERFERE WITH HVAC EQUIPMENT ACCESS.
- ANY ERRORS OR AMBIGUITIES IN THE PLANS AND/OR SPECIFICATIONS THAT ARE DISCOVERED BY THE CONTRACTOR SHALL BE REPORTED TO THE ARCHITECT/ENGINEER BEFORE WORK IS STARTED. OMISSION OF PARTICULAR REFERENCE TO ANY ITEM NECESSARY FOR COMPLETE INSTALLATION AND PROPER OPERATION THEREOF SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF FURNISHING THE SAME AT NO EXTRA COST. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL CONSTRUCTION DOCUMENTS FOR INFORMATION PRIOR TO BID.
- VERIFY WITH ARCHITECT ON ALL EQUIPMENT AND FIXTURES REQUIRING PLUMBING PRIOR TO BID. COORDINATE EXACT LOCATIONS AND CONNECTIONS.
- ALL WORK SHALL BE IN COMPLIANCE WITH STATE AND LOCAL CODES.
- CONTRACTOR SHALL PAY ALL FEES, PERMITS, LICENSES, ETC. NECESSARY FOR PROPER COMPLETION OF WORK.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

PLUMBING PIPING LINETYPES

| LINETYPE | DESCRIPTION |
|----------|--------------------------|
| ---- | DEMOLITION |
| —G— | GAS |
| ===== | SANITARY ABOVE GRADE |
| ----- | SANITARY BELOW GRADE |
| ===== | STORM ABOVE GRADE |
| ----- | STORM BELOW GRADE |
| ----- | VENT ABOVE GRADE |
| ----- | VENT BELOW GRADE |
| ===== | COLD WATER |
| ----- | COLD WATER BELOW GRADE |
| ===== | HOT WATER |
| ----- | HOT WATER BELOW GRADE |
| ===== | RECIRC WATER |
| ----- | RECIRC WATER BELOW GRADE |

PLUMBING PIPING LEGEND

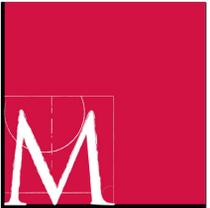
| | |
|--|--|
| | CIRCUIT SETTER |
| | BALL VALVE OR SHUT-OFF VALVE |
| | SPRING CHECK VALVE |
| | END CAP |
| | NEW TO EXISTING PIPE CONNECTION |
| | FLOW DIRECTION ARROW |
| | NEW TO EXISTING POINT OF CONNECTION SYMBOL |
| | PIPE CONNECTION |
| | HAMMER ARRESTOR (PISTON TYPE) |
| | HAMMER ARRESTOR (BELLOW TYPE) |
| | PIPING LINEWEIGHT: NEW/DEMOLITION |
| | PIPING LINEWEIGHT: EXISTING |

PLUMBING ABBREVIATIONS

| | | | |
|------|-----------------------|------|------------------------|
| AG | ABOVE GRADE | MAU | MAKE-UP AIR UNIT |
| ADD | ADDENDUM | MC | MECHANICAL CONTRACTOR |
| ADDL | ADDITIONAL | MECH | MECHANICAL |
| ADJ | ADJUSTABLE | MIN | MINIMUM |
| AFT | ABOVE FINISH FLOOR | NG | NATURAL GAS |
| AFG | ABOVE FINISH GRADE | NTS | NOT TO SCALE |
| ALT | ALTERNATE | NPWC | NON POTABLE COLD WATER |
| BG | BELOW GRADE | ORD | OVERFLOW ROOF DRAIN |
| CO | CLEANOUT | OS | OPEN SITE |
| COL | COLUMN | OSD | OVERFLOW STORM DRAIN |
| CW | COLD WATER | PC | PLUMBING CONTRACTOR |
| DN | DOWN | PLBG | PLUMBING |
| DS | DOWNSPOUT | PRES | PRESSURE |
| EC | ELECTRICAL CONTRACTOR | QTY | QUANTITY |
| ECO | EXTERIOR CLEANOUT | RD | ROOF DRAIN |
| EQ | EQUAL | RTU | ROOFTOP UNIT |
| FCO | FLOOR CLEANOUT | SAN | SANITARY |
| FD | FLOOR DRAIN | SCH | SCHEDULE |
| FLR | FLOOR | SD | STORM DRAIN |
| FS | FLOOR SINK | SPEC | SPECIFICATIONS |
| FT | FOOT (FEET) | SS | STAINLESS STEEL |
| F | FURNACE | TEMP | TEMPERATURE |
| GAL | GALLON | TYP | TYPICAL |
| GC | GENERAL CONTRACTOR | UR | URINAL |
| GPM | GALLONS PER MINUTE | V | VENT |
| GI | GREASE INTERCEPTOR | VTR | VENT THRU ROOF |
| GW | GREASE WASTE | W/ | WITH |
| HW | HOT WATER | WCO | WALL CLEANOUT |
| HWR | HOT WATER RETURN | WC | WATER CLOSET |

PLUMBING SHEET INDEX

| | |
|-------|-----------------------------|
| P.000 | PLUMBING TITLE SHEET |
| P.101 | PLUMBING PLAN - BELOW GRADE |
| P.110 | PLUMBING PLAN - ABOVE GRADE |
| P.501 | PLUMBING DETAILS |
| P.601 | PLUMBING SCHEDULES |
| P.602 | PLUMBING SPECIFICATIONS |



THE MCKINNEY
PARTNERSHIP
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

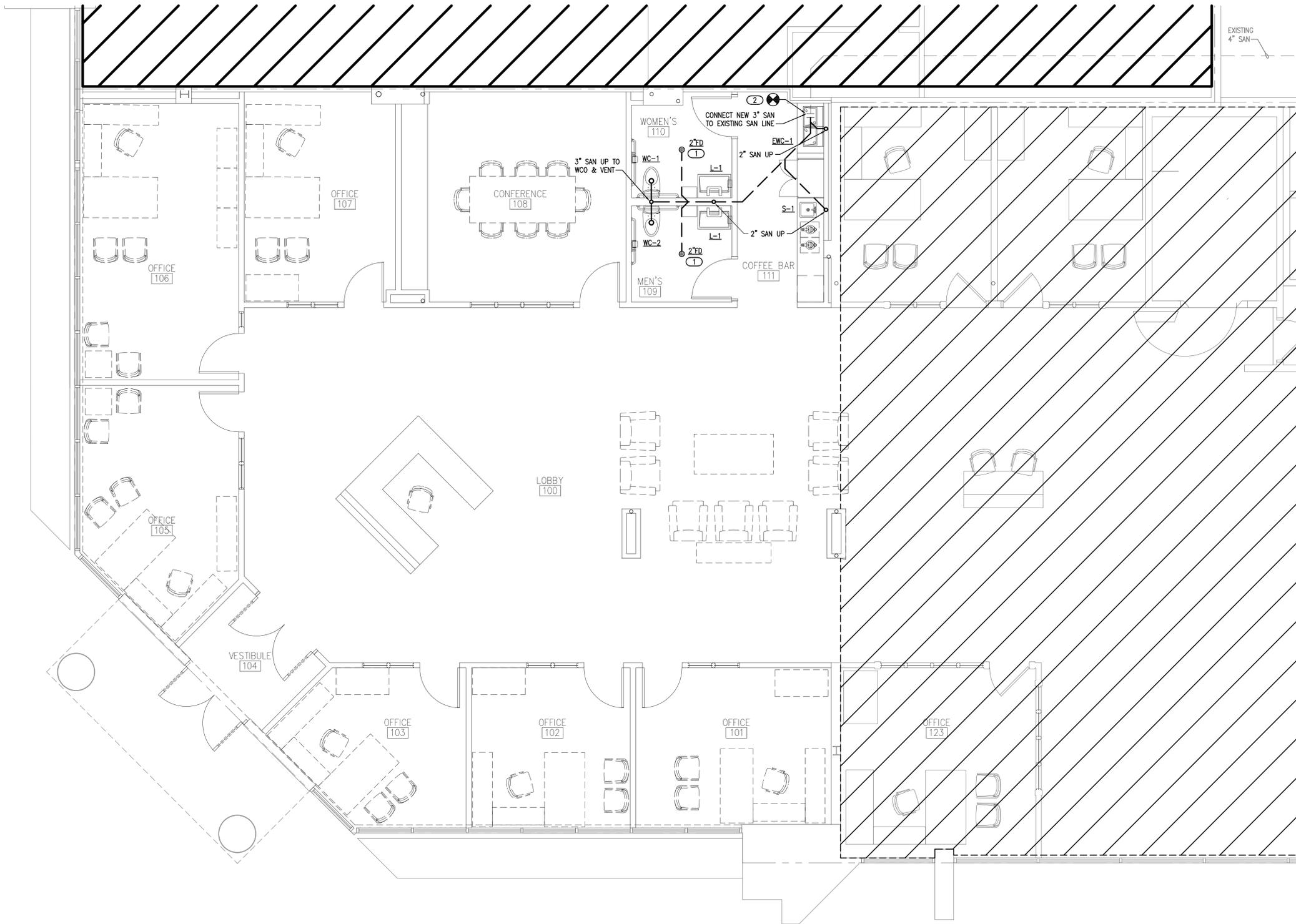
**PLUMBING
TITLE SHEET**

Sheet Number:

P.000



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00



- GENERAL NOTES**
1. COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
 2. COORDINATE ALL BELOW GRADE PIPE ROUTING WITH STRUCTURAL FOUNDATIONS AND REQUIRED PIPE SLEEVES THRU FOUNDATION PENETRATIONS.
 3. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
 4. PRIOR TO COMMENCING WORK, FIELD VERIFY EXISTING CONDITIONS FOR SANITARY SEWER AND WATER INVERT ELEVATIONS.
 5. REFER TO PLUMBING FIXTURE SCHEDULE ON SHEET P.601 FOR FIXTURE ROUGH-IN PIPE SIZES AND ADDITIONAL SIZES.
 6. VERIFY ROUGH-IN PLUMBING AND MODIFY AS REQUIRED TO COMPLY WITH TENANT PLANS.

- KEYED NOTES**
1. INSTALL TRAP GUARD IN FLOOR DRAIN. SEE DETAIL 1/P.501.
 2. FIELD VERIFY EXISTING SIZE AND LOCATION OF SANITARY SEWER AND CONNECT AS REQUIRED TO COMPLY WITH EXISTING SAW-CUT FLOOR.



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

**Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072**

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
**PLUMBING PLAN -
BELOW GRADE**

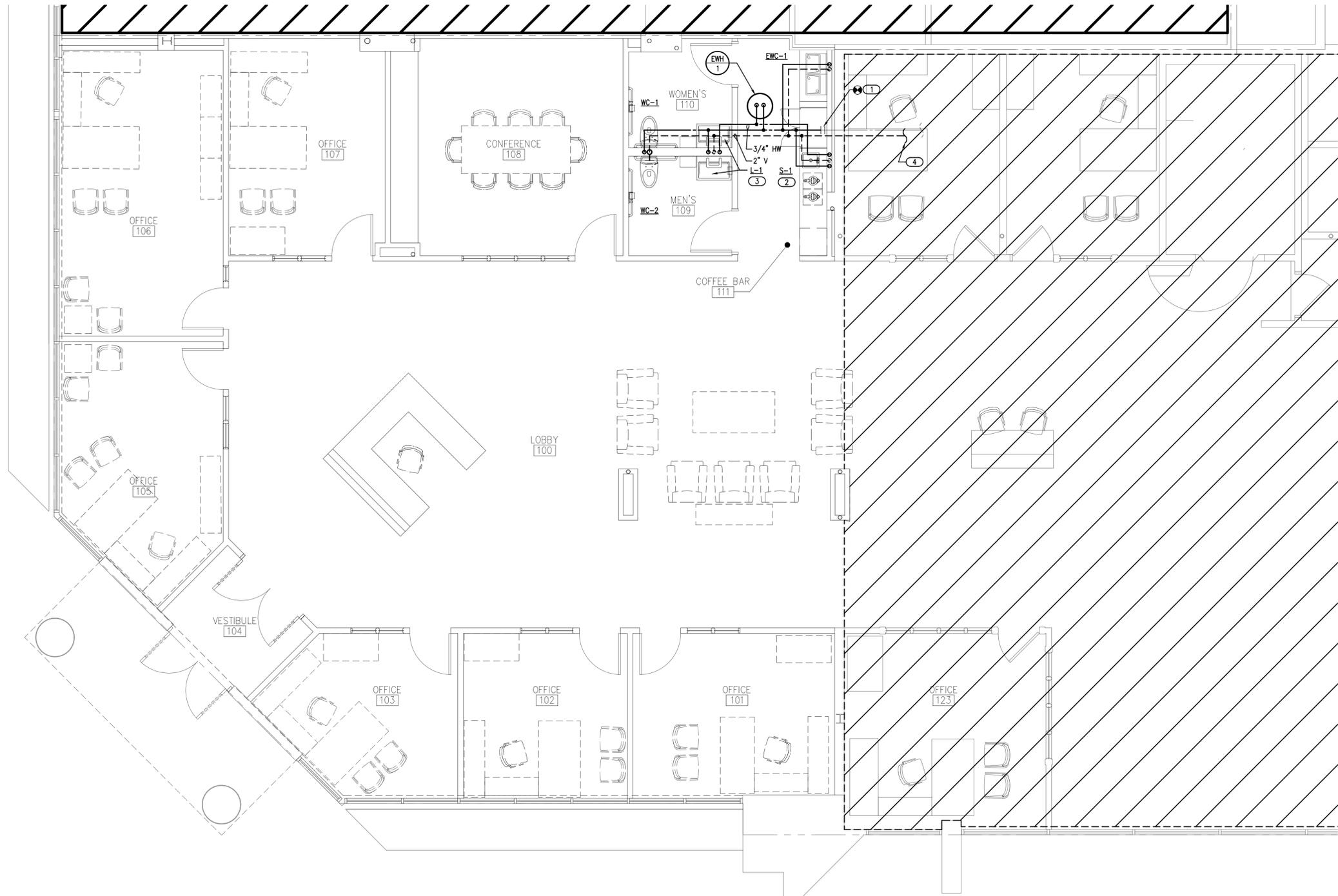
Sheet Number:

P.101

1 PLUMBING PLAN - BELOW GRADE
SCALE: 1/4" = 1'-0"



Salas O'Brien
2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00



- GENERAL NOTES**
1. COORDINATE WORK WITH ALL OTHER TRADES ON SITE.
 2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
 3. PROVIDE WATER HAMMER ARRESTORS (HA) ON WATER LINES TO FLUSH VALVES, SENSOR FAUCETS AND QUICK CLOSING VALVES. LOCATE UNITS IN ACCESSIBLE LOCATIONS.
 4. SINK AND LAVATORY WATER SUPPLY STUB OUTS SHALL BE COPPER PIPE WITH SUPPORT BRACKET FASTENED IN WALL CAVITY.
 5. REFER TO PLUMBING FIXTURE SCHEDULE ON SHEET P.601 FOR FIXTURE ROUGH-IN PIPE SIZES.
 6. PROVIDE ACCESS PANELS FOR ALL VALVES/DEVICES ABOVE HARD CEILINGS AND BEHIND WALLS. COORDINATE ALL LOCATIONS WITH ARCHITECT.

- KEYED NOTES**
1. CONNECT NEW 3/4" CW LINE TO EXISTING CW LINE. FIELD VERIFY LOCATION. INSTALL NEW PIPE INSULATION AT CONNECTION POINT.
 2. PROVIDE A 3/8" CW LINE FROM UNDER SINK TO BE ROUTED IN BACK OF CABINET TO SERVE COFFEE MAKERS.
 3. INSTALL THERMOSTATIC MIXING VALVE (TMV-1) BELOW FIXTURE. SEE DETAIL 4/P.501.
 4. CONNECT 2" VENT TO NEAREST EXISTING VENT LINE. FIELD VERIFY EXISTING SIZE AND LOCATION.



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

PLUMBING PLAN - ABOVE GRADE

Sheet Number:

P.110

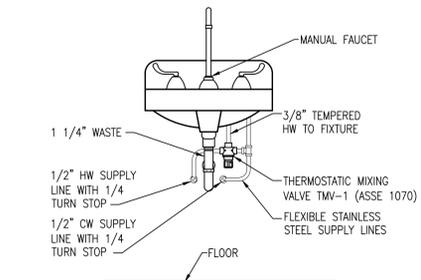
1 PLUMBING PLAN - ABOVE GRADE

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



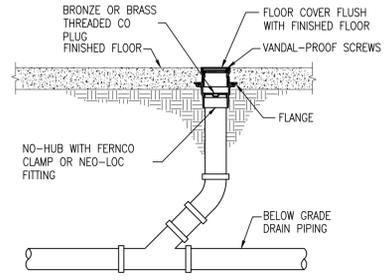
Salas O'Brien

2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

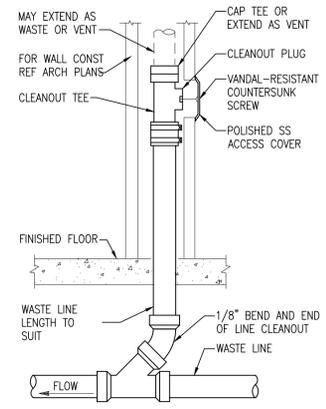


NOTE:
1. ALL EXPOSED PIPE SHALL BE POLISHED CHROME PLATED BRASS AND TRIMMED WITH POLISHED CHROME SHALLOW ESCUTCHEONS.
2. INSTALL TRUEBRO LAV GUARD 2 OR APPROVED EQUAL PIPING COVERS ON ALL PIPING BELOW SINK.
3. VERIFY LAVATORY HEIGHTS FOR EACH AREA WITH ARCHITECTURAL PLANS.

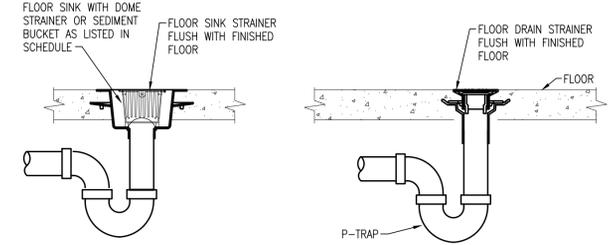
4 LAVATORY W/MIXING VALVE DETAIL
NOT TO SCALE



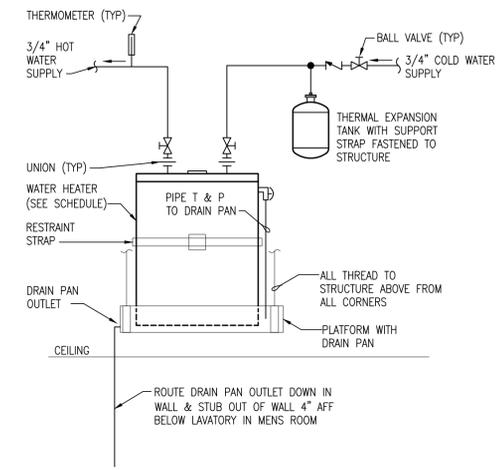
3 INTERIOR CLEANOUT DETAIL
NOT TO SCALE



2 WALL CLEANOUT DETAIL
NOT TO SCALE



1 FLOOR SINK & FLOOR DRAIN DETAIL
NOT TO SCALE



5 ELECTRIC WATER HEATER DETAIL
NOT TO SCALE



3600 West Main
Suite 200
Norman, Oklahoma 73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

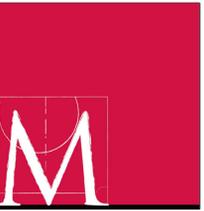
Sheet Title:
PLUMBING DETAILS

Sheet Number:
P.501

Salas O'Brien
2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

| ELECTRIC WATER HEATER SCHEDULE | | | | | | | | | |
|--|--------------------------|------------------|------------------|------|------------|---------|-------|--------------------------|-------|
| MARK | LOCATION | TEMPERATURE RISE | CAPACITY GALLONS | AMPS | ELEMENT KW | VOLTAGE | PHASE | MANUFACTURER & MODEL NO. | NOTES |
| EW-1 | CEILING ABOVE COFFEE BAR | 72 DEG @ 8 GPH | 10 | 22 | 1.5 | 208 | 1 | AO SMITH DEL-10 | 1-6 |
| NOTES: 1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. 2. SET OUTLET TEMPERATURE TO 120F. VERIFY TEMPERATURE WITH OWNER. 3. PROVIDE AMTROL ST-5 THERMAL EXPANSION TANK ON COLD WATER LINE TO WATER HEATER. 4. PROVIDE HOLD RITE SUPPORT PLATFORM MODEL 50-SWHP-C AND 1/2" THREADED ROD WITH FASTENING HARDWARE. 5. COORDINATE WIRING WITH E.C. 6. SEE DETAIL SHEET P.501 FOR MORE INFORMATION. | | | | | | | | | |

| PLUMBING FIXTURE SCHEDULE | | | | | | | | | | |
|---------------------------|-----------------------------------|-------------------|--------------------|---------------|-------------------|------|-----------|--------|--|--|
| MARK | FIXTURE | MANUFACTURER | MODEL | MOUNT | ROUGH-IN SCHEDULE | | | | FITTINGS AND REMARKS | |
| | | | | | COLD | HOT | WASTE | VENT | | |
| L-1 | LAVATORY ADA | BRADLEY | LVQD1 | WALL | 1/2" | 1/2" | 1 1/2" | 1 1/2" | NATURAL QUARTZ, ALL AVAILABLE COLORS FOR SELECTION BY ARCHITECT. PROVIDE WD-1 WASHBAR. PROVIDE PVC P-TRAP & MCGUIRE LFBV216SCSS SUPPLY STOPS. INSTALL TMV-1 BELOW FIXTURE. REFER TO ARCHITECTS PLANS FOR MOUNTING HEIGHT. COORDINATE 120V OUTLET WITH E.C. | |
| WC-1 | WATER CLOSET LEFT TRIP LEVER ADA | AMERICAN STANDARD | 215AA.104 | FLOOR | 1/2" | - | 3" | - | COLOR WHITE, 1.28 GPF. PROVIDE MCGUIRE SUPPLY STOP LFBV2166SS. PROVIDE BEMIS SEAT MODEL 1655SSCT, OPEN FRONT ELONGATED, COLOR WHITE. PROVIDE WAX RING INSTALL KIT. ADA INSTALLATION. RIM HEIGHT 16-1/2". | |
| WC-2 | WATER CLOSET RIGHT TRIP LEVER ADA | AMERICAN STANDARD | 215AA.105 | FLOOR | 1/2" | - | 3" | - | COLOR WHITE, 1.28 GPF. PROVIDE MCGUIRE SUPPLY STOP LFBV2166SS. PROVIDE BEMIS SEAT MODEL 1655SSCT, OPEN FRONT ELONGATED, COLOR WHITE. PROVIDE WAX RING INSTALL KIT. ADA INSTALLATION. RIM HEIGHT 16-1/2". | |
| S-1 | SINK | ELKAY | ELUH2317PD | UNDER MOUNT | 1/2" | 1/2" | 1 1/2" | 1 1/2" | SINGLE BOWL, STAINLESS STEEL, 8" DEPTH WITH DRAIN STRAINER. PROVIDE MOEN FAUCET 8799. PROVIDE MCGUIRE LFBV216SCSS SUPPLY STOPS. PVC P-TRAP & PIPING. COORDINATE COUNTERTOP OPENINGS WITH MILLWORK. INSTALL TMV-1 BELOW FIXTURE. | |
| EW-1 | ELECTRIC WATER COOLER | ELKAY | LZSTL8WSLK | WALL | 1/2" | - | 1 1/2" | 1 1/2" | DUAL LEVEL WITH WATER BOTTLE FILL STATION, REFRIGERATED, FILTERED, STAINLESS STEEL CABINET. PROVIDE PVC P-TRAP AND 1/4 TURN SUPPLY STOP. REFER TO ARCHITECT'S PLANS FOR MOUNTING HEIGHT & WALL TYPE. ADA INSTALLATION. | |
| FD | FLOOR DRAIN | ZURN | ZN415-6SZ-P-VP | FLOOR | - | - | SEE PLANS | - | 6" ROUND NICKEL BRONZE STRAINER, CAST IRON BODY ANCHOR FLANGE, CLAMP COLLAR, ADJUSTABLE COLLAR, ADJUSTABLE STRAINER HEIGHT, VANDAL-PROOF SECURED TOP, 1/2" TRAP PRIMER CONNECTION CAPPED. INSTALL TRAP GUARD. | |
| WCO | WALL CLEANOUT | ZURN | Z1445-VP | WALL | - | - | SEE PLANS | - | CAST IRON CLEANOUT TEE, THREADED BRASS PLUG, PROVIDE ZS1469-VP STAINLESS STEEL ROUND ACCESS COVER WITH VANDAL RESISTANT SECURING SCREW. | |
| FCO | FLOOR CLEANOUT | ZURN | ZN1400-SZ-K-VP | FLOOR | - | - | SEE PLANS | - | ADJUSTABLE HEIGHT, CAST IRON BODY, ANCHOR FLANGE, SCORATED SQUARE TOP WITH NICKEL BRONZE FINISH, VANDAL RESISTANT COVER SCREWS. | |
| HA-1 | HAMMER ARRESTOR | WATTS | LF15M2 | PIPE | VARIES | - | - | - | LEAD-FREE CONSTRUCTION, PDI WH201 LISTED, PRE-CHARGED, PERMANENT SEALED AIR CHAMBER. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. | |
| AP-1 | ACCESS PANEL | ACUDOR | UF-5000 14x14 CLSS | WALL | - | - | - | - | 14"x14" STEEL, 16 GAGE DOOR & FRAME, 18 GAGE FRAME. CONCEALED HINGE, CYLINDER LOCK & KEY, STAINLESS STEEL FINISH. CONCEALED FASTENING POINTS. VERIFY ALL LOCATIONS WITH ARCHITECT. | |
| TMV-1 | THERMOSTATIC MIXING VALVE | WATTS | LFMMV-M1 | BELOW FIXTURE | 1/2" | 1/2" | - | - | LEAD FREE MIXING VALVE WITH ADJUSTABLE TEMPERATURE SET-POINT & LOCKABLE, INTEGRAL CHECK STOPS & STRAINERS, 1/2" INLETS & OUTLET. SET OUTLET TEMP AT 105 DEGREES F. ASSE 1070 LISTED. | |
| WB-1 | WATER BOX | SIOUX CHIEF | 696RG1010PF | WALL | 1/2" | - | - | - | NON FIRE-RATED RECESSED WALL ABS BOX WITH FACE PLATE, 1/2" QUARTER TURN BALL VALVES WITH INTEGRAL WATER HAMMER ARRESTOR, 3/8" OUTLET. | |
| TG-1 | TRAP GUARD | PROVENT SYSTEMS | PROSET TRAP GUARD | PIPE | - | - | SEE PLANS | - | ASSE 1072 LISTED, ELASTOMERIC, NORMALLY CLOSED SEAL TO PREVENT EVAPORATION OF TRAP SEAL, PROTECTS AGAINST SEWER BACKUP. INSTALL UNIT IN FLOOR DRAINS, FLOOR SINKS AND HUB DRAINS. | |



THE MCKINNEY PARTNERSHIP
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
PLUMBING SCHEDULES

Sheet Number:

P.601



2600 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

PLUMBING SPECIFICATIONS

PART 1: GENERAL:

- A. THE CONTRACTOR SHALL FURNISH, INSTALL, PROVIDE AND MAKE OPERATIVE ALL EQUIPMENT, MATERIALS, SUPERVISION LABOR AND ANY AND ALL ITEMS NECESSARY FOR THE PROPER INSTALLATION OF A CORRECTLY FUNCTIONING PLUMBING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- B. SMALL DETAILS NOT USUALLY INDICATED ON THE DRAWINGS OR SPECIFIED, BUT WHICH ARE NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE PLUMBING SYSTEM, SHALL BE INCLUDED IN THE WORK AND IN THE CONTRACTOR'S ESTIMATE THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL INSTALL THE EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE THE DRAWINGS AND SPECIFICATIONS CONFLICT WITH THE MANUFACTURER'S RECOMMENDATIONS, IT WILL BE THE CONTRACTOR'S DUTY TO BRING THIS TO THE ATTENTION OF THE ARCHITECT.

PART 2: CODE REQUIREMENTS:

- A. ORDINANCES, PERMITS AND CODES: THE WORKMANSHIP AND MATERIALS COVERED BY THESE SPECIFICATIONS SHALL CONFORM TO ALL REGULATIONS OF ALL THE AUTHORITIES HAVING JURISDICTION WHETHER SHOWN ON THE DRAWINGS OR NOT.

PART 3: PERMITS:

- A. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, CONNECTION AND INSPECTION FEES AS REQUIRED FOR THE COMPLETE INSTALLATION OF THE PLUMBING SYSTEMS.

PART 4: SPECIFICATIONS AND DRAWINGS:

- A. THE PLANS DEPICT THE LOCATION OF ALL FIXTURES AND EQUIPMENT AND ARE INTENDED TO INDICATE THE GENERAL INTENT OF THE WORK IN SCOPE, LAYOUT AND QUALITY OF WORKMANSHIP. THEY ARE NOT INTENDED TO SHOW IN MINUTE DETAIL EVERY AND ALL ACCESSORIES INTENDED FOR THE PURPOSE OF EXECUTION OF THE WORK, BUT THE CONTRACTOR SHALL UNDERSTAND THAT SUCH DETAILS ARE PART OF THIS WORK.
- B. THE LOCATION OF PIPES AND EQUIPMENT AS SHOWN ON THE DRAWINGS, IS DIAGRAMMATIC AND SCHEMATIC AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN WORKING LAYOUT TO ELIMINATE ALL STRUCTURAL INTERFERENCES WITHOUT DETRIMENT TO THE STRUCTURAL AND ARCHITECTURAL COMPONENTS OF THE BUILDING.
- C. THE CONTRACTOR SHALL CAREFULLY VERIFY ALL MEASUREMENTS OF THE SITE, DETERMINE THE EXACT LOCATION OF ALL CHASES AND OPENINGS REQUIRED BY HIS WORK AND SHALL FURNISH AND SET ALL SLEEVES, INSERTS AND HANGERS AS REQUIRED FOR THE WORK HEREIN.
- D. ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE SITE AND ALL CONDITIONS. ALL PROPOSALS SHALL TAKE INTO CONSIDERATION ALL SUCH CONDITIONS AS MAY THE WORK UNDER THIS CONTRACT.
- E. SUBMITTALS: PROVIDE PRODUCT DATA AND SIZES, ROUGH-IN DIMENSIONS TO ENGINEER FOR APPROVAL.

PART 5: COORDINATION AND CONFLICTS:

- A. THE CONTRACTOR SHALL COORDINATE HIS WORK SO THAT IT DOES NOT INTERFERE WITH THE WORK OF THE OTHER TRADES. IT SHALL BE THE CONTRACTOR'S DUTY TO SEE THAT THE WORK IS PERFORMED IN A TIMELY MANNER.
- B. IN THE EVENT THAT THERE IS A DISCREPANCY OR CONFLICT IN THE PLANS OR SPECIFICATIONS IT SHALL BE THE CONTRACTOR'S DUTY TO NOTIFY THE ARCHITECT OF THIS CONFLICT OR DISCREPANCY PRIOR TO HIS ACCEPTANCE OF THE PROJECT. UNLESS EXPRESSLY STIPULATED, NO ADDITIONAL ALLOWANCES WILL BE MADE IN THE CONTRACTOR'S AND/OR MANUFACTURER'S FAVOR BY VIRTUE OF ERRORS, AMBIGUITIES AND/OR OMISSIONS WHICH WERE KNOWN TO OR WHICH SHOULD HAVE BEEN KNOWN OR DISCOVERED DURING THE PREPARATION OF THE BID ESTIMATE AND DIRECTED TO THE ARCHITECT'S ATTENTION IN A TIMELY MANNER.

PART 6: EXPERIENCE:

- A. THE CONTRACTOR SHALL BE A REPUTABLE FIRM REGULARLY DOING THIS TYPE OF WORK, WITH SKILLED MECHANICS AND EQUIPMENT CAPABLE OF PROVIDING A FIRST CLASS INSTALLATION IN ACCORDANCE WITH ACCEPTABLE MODERN PRACTICES.

PART 7: PLUMBING THERMOMETERS:

- A. STEM TYPE THERMOMETERS: ADJUSTABLE ANGLE, RED OR BLUE APPEARING NON-TOXIC LIQUID IN GLASS, CAST ALUMINUM CASE WITH ENAMEL FINISH, CAST ALUMINUM ADJUSTABLE JOINT WITH POSITIVE LOCKING DEVICE; ADJUSTABLE 360 DEGREES IN HORIZONTAL PLANE, 180 DEGREES IN VERTICAL PLANE. SIZE 9 INCH, SCALE 30 TO 240 DEG. F.
- B. ACCEPTABLE MANUFACTURERS ARE WEKSLER GLASS, H.O. TRERICE OR APPROVED EQUAL.

PART 8: PLUMBING IDENTIFICATION:

- A. NAMEPLATES FOR EQUIPMENT: LAMINATED THREE LAYER PLASTIC WITH ENGRAVED LETTERS, 1/4" HEIGH, COLOR WHITE, BACKGROUND COLOR BLACK.
- B. TAGS: PLASTIC OR BRASS, 1 1/2 INCH DIAMETER, WITH ENGRAVED OR STAMPED BLACK LETTERS WITH LIGHT CONTRASTING BACKGROUND COLOR. USE TAGS FOR VALVES AND PIPING SMALLER THAN 3/4 INCH. INSTALL TAGS WITH CORROSION RESISTANT CHAIN. PROVIDE TYPED LIST OF TAGS INCLUDING LOCATION AND SERVICE.
- C. PLASTIC PIPE MARKERS: FACTORY FABRICATED, FLEXIBLE, PREFORMED TO PIPE SIZE OR VINYL FILM TAPE, INDICATING FLOW DIRECTION ARROW AND IDENTIFICATION OF FLUID BEING CONVEYED.
- D. ACCEPTABLE MANUFACTURERS ARE BRADY, KOLBI, SETON OR APPROVED EQUAL.

PART 9: PLUMBING INSULATION:

- A. ALL INSULATION, INCLUDING JACKET, OR FACING AND ADHESIVE USED TO ADHERE FACING OR JACKET TO THE INSULATION SHALL HAVE A COMPOSITE FIRE AND SMOKE HAZARD RATING TESTED BY THE PROCEDURE RECOMMENDED BY ASTM E84, NFPA 255 OR U.L. 723, NOT EXCEEDING FLAME SPREAD 25, SMOKE DEVELOPED 50. ALL INSULATION ACCESSORIES SHALL ALSO HAVE THE RATINGS LISTED ABOVE.
- B. ABOVE GRADE HOT AND COLD WATER LINES WILL BE INSULATED WITH RIGID, MOLDED FIBERGLASS WITH VAPOR BARRIER. MAINS 1 INCH THICK AND BRANCH LINES SERVING INDIVIDUAL FIXTURES, 1/2 INCH. PROVIDE PVC JACKETS FOR FITTINGS, JOINTS AND VALVES. MITERED AND MASTIC FIBERGLASS NOT ACCEPTABLE.
 - 1. ACCEPTABLE MANUFACTURERS ARE OWENS CORNING, JOHNS MANVILLE, KNAUF, CERTANTEED OR APPROVED EQUAL.
- C. BELOW GRADE HOT AND COLD WATER LINES WILL BE INSULATED WITH PREFORMED CLOSED CELL FLEXIBLE ELASTOMERIC CELLULAR RUBBER INSULATION, RATED FOR DIRECT BURIAL, 1 INCH THICK. PROVIDE PVC PIPE SLEEVE AT CONCRETE PENETRATIONS.
 - 1. ACCEPTABLE MANUFACTURERS ARE ARMACELL, AEROFLEX, NOMACO OR APPROVED EQUAL.
- D. INSULATION INSERTS AND SHIELDS: PROVIDE GALVANIZED STEEL SHIELD AND INSERT ON ALL PIPING TO PROVIDE 180 DEGREE COVERAGE ON BOTTOM OF SUPPORTED PIPING AND FULL 360 DEGREE COVERAGE ON CLAMPED PIPING, 1 INCH THICK.
 - 1. ACCEPTABLE MANUFACTURERS ARE B-LINE, ANVIL OR APPROVED EQUAL.

PART 10: - PLUMBING PIPING:

- A. SANITARY WASTE LINES AND VENTS BELOW AND ABOVE GRADE SHALL BE PVC PIPE: ASTM D 2665 SCHEDULE 40 WITH SOLVENT WELDED PVC FITTINGS. USE SERVICE WEIGHT CAST IRON PIPE IN ONE HOUR OR GREATER FIRE RATED WALLS. PROVIDE CAST IRON PIPE SLEEVE AT FOUNDATION WALL PENETRATIONS.
- B. ABOVE GRADE DOMESTIC COLD AND HOT WATER LINES SHALL BE COPPER TUBE WITH SOLDERED COPPER FITTINGS OR MECHANICAL PRESS FITTINGS:
 - 1. ASTM B 88, TYPE "L", H (DRAWN) TEMPER.
 - 2. FITTINGS: ASME B16.18, CAST COPPER ALLOY OR ASME B16.22, WROUGHT COPPER AND BRONZE.
 - 3. JOINTS: ASTM B 32, ALLOY SN95 SOLDER.
- C. COPPER PRESS FIT JOINTS SHALL BE DOUBLE PRESSED TYPE AND UTILIZE EPDM SEALING ELEMENTS. JOINTS SHALL BE MADE IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.
- C. CONCEALED BRANCH LINES FOR ABOVE GRADE DOMESTIC COLD AND HOT WATER LINES: COPPER OR PEX-a TUBING.
 - 1. COPPER ASTM B 88, TYPE "L", H (DRAWN) TEMPER.
 - 2. CROSS-LINKED POLYETHYLENE TUBING (PEX-a) ASTM F876, ASTM F877, NFS 61. FITTINGS ASTM F 1960.
- D. BELOW GRADE UNDER BUILDING DOMESTIC COLD AND HOT WATER LINES SHALL BE:
 - 1. ASTM B 88, TYPE "K", (SOFT) TEMPER. ASME B16.26 CAST BRONZE. NOT JOINTS BELOW GRADE.
 - 2. CROSS-LINKED POLYETHYLENE TUBING (PEX-a) ASTM F876, ASTM F877, NFS 61. NO JOINTS BELOW GRADE.
- E. ALL WATER PIPING SHALL BE APPROVED FOR CONTACT WITH POTABLE WATER IN ACCORDANCE WITH NSF 61 AND NSF 14.

PART 11: - PLUMBING SPECIALTIES:

- A. DRAINS AND CLEANOUTS: ZURN, WADE, WATTS, OR APPROVED EQUAL.
- B. TRAP GUARDS: RECTORSEAL, OATEY, ZURN, OR APPROVED EQUAL.
- C. WATER HAMMER ARRESTORS: WATTS, PPP OR ZURN OR APPROVED EQUAL.
- D. THERMOSTATIC MIXING VALVE: WATTS, LAWLER OR APPROVED EQUAL.
- E. VALVES: WATTS, CONBRACO INDUSTRIES, WEBSTONE OR APPROVED EQUAL.

PART 12: - PLUMBING EQUIPMENT:

- A. WATER HEATERS: AO SMITH, BRADFORD WHITE, OR APPROVED EQUAL.
 - B. THERMAL EXPANSION TANKS: AMTROL, WESSEL OR APPROVED EQUAL.
 - C. WATER HEATER STANDS: HOLDRITE OR APPROVED EQUAL.
 - D. REFER TO PLUMBING SCHEDULES ON PLANS.
- PART 13: - PLUMBING FIXTURES:
- A. LAVATORIES: BRADLEY CORPORATION OR APPROVED EQUAL.
 - 1. ACCESSORIES: MCGUIRE, DEARBORN BRASS OR APPROVED EQUAL.
 - B. WATER CLOSETS: AMERICAN STANDARD, KOHLER OR APPROVED EQUAL.
 - 1. SEATS: BEMIS, KOHLER OR APPROVED EQUAL.
 - C. STAINLESS STEEL SINKS: ELKAY, JUST OR APPROVED EQUAL.
 - 1. FAUCET: MOEN, ELKAY, CHICAGO FAUCET, T&S BRASS OR APPROVED EQUAL.
 - 2. ACCESSORIES: ELKAY, MCGUIRE, DEARBORN BRASS OR APPROVED EQUAL.
 - D. ACCESS PANELS: ACUDOR, ELMODOR OR APPROVED EQUAL.
 - E. ELECTRIC WATER COOLER STATION: ELKAY, OASIS, ACORN OR APPROVED EQUAL.
 - F. WATER BOX: GUY GRAY, OATEY OR APPROVED EQUAL.
 - G. SUPPLY STOP VALVES: COMMERCIAL GRADE, QUARTER-TURN STYLE: MCGUIRE, BRASSCRAFT OR APPROVED EQUAL.
 - H. REFER TO PLUMBING SCHEDULES ON PLANS.

PART 14: - INSTALLATION:

- A. FURNISH AND INSTALL A COMPLETE PLUMBING SYSTEM AS INDICATED ON THE PLUMBING PLANS. TEST AND ADJUST EQUIPMENT AND FIXTURES FOR PROPER OPERATION.
- B. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- C. PROVIDE TRACER WIRE FOR BELOW GRADE NON-METALLIC PIPING.
- D. PIPE HANGERS AND SUPPORTS INSTALLED IN ACCORDANCE WITH ASME B31.9, MSS SP-58, MSS SP-69, MMS SP-89 AND SPACING PER CODE.
- E. ROUTE PIPING IN ORDERLY MANNER, MAINTAIN GRADIENT AND ALLOW FOR EXPANSION AND CONTRACTION.
- F. INSTALL VENT PIPING PENETRATING SIDEWALLS TO MAINTAIN INTEGRITY OF WALL ASSEMBLY.
- G. IDENTIFY VALVES WITH TAGS AND PIPING WITH PIPE MARKERS OR TAGS.
- H. PIPE INSULATION: INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND NAAMA NATIONAL INSULATION STANDARDS.
- I. INSULATED PIPES CONVEYING FLUIDS BELOW AMBIENT TEMPERATURE INCLUDING FITTINGS, VALVES, UNIONS, FLANGES, AND STRAINERS.
- J. FOR HOT PIPING CONVEYING FLUIDS 140 DEGREES F OR LESS, DO NOT INSULATE FLANGES AND UNIONS AT EQUIPMENT, BUT BEVEL AND SEAL ENDS OF INSULATION.
- K. INSULATE FITTINGS, JOINTS, AND VALVES WITH INSULATED PVC FITTING COVERS.
- L. INSULATION INSERTS AND SHIELDS: GALVANIZED STEEL BETWEEN PIPE HANGERS OR PIPE HANGER ROLLS AND INSERTS WITH 180 DEGREE COVERAGE ON BOTTOM OF SUPPORTED PIPING AND 360 DEGREE COVERAGE ON CLAMPED PIPING. LOCATE INSERT BETWEEN SUPPORT SHIELD AND PIPING AND UNDER THE FINISH JACKET. INSERT MINIMUM 6 INCHES LONG. INSERT MATERIAL OF HYDROUS CALCIUM SILICATE INSULATION OR OTHER HEAVY DENSITY INSULATING MATERIAL SUITABLE FOR THE PLANNED TEMPERATURE RANGE. INSERTS AND SHIELD ASSEMBLIES MAY BE FACTORY FABRICATED.
- M. EXPOSED PIPING: LOCATE INSULATION AND COVER SEAMS IN LEAST VISIBLE LOCATIONS
- N. SLEEVE PIPES PASSING THROUGH NON-RATED PARTITIONS, WALLS AND FLOORS. USE URETHANE CAULK IN ANNULAR SPACE BETWEEN PIPE INSULATION AND SLEEVE. CONTINUE INSULATION THROUGH WALLS, SLEEVES, PIPE HANGERS, AND OTHER PIPE PENETRATIONS. FINISH AT SUPPORTS, PROTRUSIONS, AND INTERRUPTIONS. AT FIRE SEPARATIONS, FIRE CAULK AS REQUIRED.

- O. FIRE AND/OR SMOKE RATED PENETRATIONS: ALL FIRESTOPPING SYSTEMS SHALL BE PROVIDED BY THE SAME MANUFACTURER AND UL LISTED. USE A PRODUCT THAT HAS A RATING NOT LESS THAN THE RATING OF THE WALL OR FLOOR BEING PENETRATED. REFERENCE ARCHITECTURAL DRAWINGS FOR IDENTIFICATION OF FIRE AND/OR SMOKE RATED WALLS AND FLOORS.
 - P. PIPING INSULATION SHALL BE CONTINUOUS THROUGH WALL PENETRATIONS.
 - Q. INSTALL UNIONS AT EQUIPMENT CONNECTIONS. PROVIDE BALL VALVES TO ISOLATE EQUIPMENT AND PARTS OF SYSTEMS. PROVIDE BALL VALVE AT WATER SERVICE ENTRANCE.
 - R. INSTALL DIELECTRIC UNIONS AT DISSIMILAR PIPE MATERIAL CONNECTION POINTS.
 - S. INSTALL COMPONENTS LEVEL AND PLUMB. SEAL FIXTURES TO WALL AND FLOOR SURFACES WITH SEALANT COLOR TO MATCH FIXTURE.
 - T. PLUMBING FIXTURE MOUNTING HEIGHT SHALL BE PER ARCHITECTURAL DRAWINGS.
 - U. INSTALL FLOOR DRAINS AND CLEANOUTS FLUSH WITH FINISHED FLOOR.
 - V. INSTALL BALL VALVES FOR SHUT-OFF AND TO ISOLATE EQUIPMENT, PARTS OF SYSTEMS OR VERTICAL RISERS.
 - W. INSTALL UNIONS DOWNSTREAM OF VALVES AND AT EQUIPMENT OR APPARATUS CONNECTIONS.
 - X. PIPE WORK MUST BE PROPERLY TESTED AND APPROVED BEFORE BEING COVERED UP OR ENCLOSED.
 - Y. TEST FIXTURES TO DEMONSTRATE PROPER OPERATION. REPLACE MALFUNCTIONING UNITS OR COMPONENTS.
 - Z. CLEAN PLUMBING FIXTURES AND EQUIPMENT.
 - AA. PROTECT INSTALLED PRODUCTS FROM DAMAGE DUE TO SUBSEQUENT CONSTRUCTION OPERATIONS.
 - AB. DO NOT PERMIT USE OF FIXTURES BY CONSTRUCTION PERSONNEL.
 - AC. REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE DATE OF SUBSTANTIAL COMPLETION.
 - AD. DISINFECT WATER PIPING SYSTEM PER STATE AND LOCAL CODES.
 - AE. PIPING LEAK TESTS: PERFORM LEAK TESTS ON DOMESTIC WATER SYSTEMS, WASTE & VENT SYSTEMS PER STATE AND LOCAL CODES.
 - AF. SERVICE CONNECTIONS:
 - 1. PROVIDE CONNECTION TO EXISTING COLD WATER MAIN NEAR AREA OF CONSTRUCTION.
 - 2. PROVIDE CONNECTION TO EXISTING SANITARY LINE BELOW FLOOR.
- PART 15: - WALK THRU:
- A. THE CONTRACTOR SHALL PERFORM AN INSTRUCTIONAL WALK THRU WITH THE OWNER TO EXPLAIN THE OPERATION AND MAINTENANCE OF THE PLUMBING SYSTEM.



THE MCKINNEY PARTNERSHIP architects

3600 West Main Suite 200 Norman, Oklahoma 73072 405.360.1400 p 405.364.8287 f tmparch.com

Seal:



Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
PLUMBING SPECIFICATIONS

Sheet Number:

P.602

Salas O'Brien
2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

| TECHNOLOGY LEGEND | | | | |
|-------------------|--|----------------------------------|---|--------------------------------------|
| SYMBOL | DESCRIPTION | ELEVATION | BACK BOX/RACEWAY | NOTES |
| # W | WALL MOUNTED NETWORK OUTLET D#: NUMBER OF DATA DROPS IN OUTLET AP: WIRELESS ACCESS POINT | +18" AFF. UNLESS OTHERWISE NOTED | 4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C | |
| V# Y | COMMUNICATIONS OUTLET | FIELD COORDINATE | FIELD COORDINATE | |
| W | WALL MOUNTED NETWORK OUTLET | +44" AFF | 4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C | |
| B | WALL MOUNTED BOX FOR FUTURE USE. | +18" AFF UNO | 4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C | |
| D# W | FLOOR MOUNTED NETWORK OUTLET | N/A | COORDINATE WITH ELECTRICAL CONTRACTOR | FINISHED HARDWARE PROVIDED BY DIV 27 |
| # W | CEILING MOUNTED NETWORK OUTLET AP: WIRELESS ACCESS POINT D#: NETWORK OUTLET | ABOVE CEILING | CEILING BRACKET WITH BISCUIT BLOCK | |

NOTES:
1. #G INDICATES BACK BOX SIZE.
2. #C INDICATES CONDUIT SIZE.
3. UNO: UNLESS NOTED OTHERWISE.
4. CONDUIT STUB UP AND SLEEVES SHALL HAVE A SOLID UNCUPT PLASTIC PROTECTIVE BUSHING.
5. NO CONDUITS SHALL EXCEED FOR 40% MAXIMUM FILL RATIO. CONTRACTOR TO PROVIDE ADDITIONAL CONDUITS REQUIRED.

| ACCESS CONTROL LEGEND | | | | |
|-----------------------|---|-----------------------------|-------------------------------|-----------------------------|
| SYMBOL | DESCRIPTION | ELEVATION | BACK BOX/RACEWAY | NOTES |
| ACP | ACCESS CONTROL SYSTEM, CONTROL PANEL. | +60" AFF TO CENTER | AS REQUIRED | COORDINATE POWER. NOTE #4. |
| CR # | ACCESS CONTROL PROXIMITY CARD READER. *W - INDICATES WALL MOUNTED READER *M - INDICATES MULLION MOUNTED READER | +42" A.F.F. | 1-G, 3/4" C | |
| CR | DOOR MOUNTED ACCESS CONTROL PROXIMITY CARD READER THAT IS INTEGRATED INTO THE DOOR HARDWARE. | +42" AFF | N/A | |
| DS # | 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION. *W - INDICATES WALL MOUNTED READER *M - INDICATES MULLION MOUNTED READER | +42" AFF | *W: 1-G, 3/4" C *M: 3/4" C | COORDINATE POWER. NOTE #4. |
| DS | DOOR MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION. | +42" AFF. FIELD COORDINATE | | COORDINATE POWER. NOTE #4 |
| MS | 2-WAY AUDIO/VIDEO INTERCOM MASTER STATION. | DESK MOUNTED UNO | | COORDINATE POWER. NOTE #4 |
| DR | DOOR RELEASE BUTTON | COORDINATE WITH GC | 1-G, 3/4" C | |
| DC | DPDT MAGNETIC DOOR CONTACT/DOOR POSITION SENSOR. | FLUSH MOUNTED IN DOOR FRAME | N/A | PROVIDED BY ACS CONTRACTOR. |

NOTES:
1. #G INDICATES BACK BOX SIZE.
2. #C INDICATES CONDUIT SIZE.
3. UNO: UNLESS NOTED OTHERWISE
4. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

| VIDEO SURVEILLANCE LEGEND | | | | |
|---------------------------|-----------------------------------|-----------------------|---|---------|
| SYMBOL | DESCRIPTION | ELEVATION | BACK BOX/RACEWAY | NOTES |
| W | WALL/CORNER MOUNT 4-SENSOR CAMERA | REFERENCE FLOOR PLANS | 4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C | NOTE #5 |
| W | CEILING MOUNTED 4-SENSOR CAMERA | CEILING | | NOTE #5 |
| W | 2-SENSOR CAMERA | REFERENCE FLOOR PLANS | 4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C | NOTE #5 |
| W | 1-SENSOR CAMERA | CEILING MOUNTED UNO | 4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C | |

NOTES:
1. #G INDICATES BACK BOX SIZE.
2. #C INDICATES CONDUIT SIZE.
3. UNO: UNLESS NOTED OTHERWISE
4. THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR
5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

| AUDIO/VIDEO LEGEND | | | | |
|--------------------|--|------------------------|---|---------|
| SYMBOL | DESCRIPTION | ELEVATION | BACK BOX/RACEWAY | NOTES |
| WMP | WALL MOUNTED PROJECTOR | REFERENCE FLOOR PLANS. | 4 11/16"X4 11/16"X2-1/8" BACK BOX WITH DOUBLE GANG RING, TWO(2) 1.25" C | NOTE #5 |
| CMP | CEILING MOUNTED PROJECTOR | CEILING MOUNTED | N/A | NOTE #5 |
| AV-1 | WALL MOUNTED AUDIO/VIDEO INPUT OUTLET | +18" AFF UNO | 4 11/16"X4 11/16"X2-1/8" BACK BOX WITH DOUBLE GANG RING, TWO(2) 1.25" C | |
| FSD-1 | WALL MOUNTED FLAT SCREEN DISPLAY | REFERENCE FLOOR PLAN | 4"X4"X2 1/8" BACK BOX WITH 1-G MUD RING, 1" C | NOTE #5 |
| FSD-2 | WALL MOUNTED FLAT SCREEN DISPLAY ASSOCIATED WITH AV-1 INPUT OUTLET | REFERENCE FLOOR PLAN | 4 11/16"X4 11/16"X2-1/8" BACK BOX WITH DOUBLE GANG RING, TWO(2) 1.25" C | NOTE #5 |

NOTES:
1. #G INDICATES BACK BOX SIZE.
2. #C INDICATES CONDUIT SIZE.
3. UNO: UNLESS NOTED OTHERWISE
4. THE SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECTS ELECTRICAL CONTRACTOR.
5. PROVIDE AND INSTALL ONE (1) CATEGORY CABLE TO CONNECT DEVICE TO NETWORK

| FIRE ALARM | |
|------------|------------------------------|
| SYMBOL | DESCRIPTION |
| FACP | FIRE ALARM CONTROL |
| FAA | FIRE ALARM ANNUNCIATOR PANEL |

NOTES:
1. FIRE ALARM SYSTEM IS PERFORMANCE BASED PER SPECIFICATIONS. CONTRACTOR TO REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN THE SUBFIELD OF FIRE ALARM SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72 LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.

| SUBSCRIPTS AND ABBREVIATIONS | |
|------------------------------|--|
| TEXT | DESCRIPTION |
| WP | DEVICE SHALL BE WEATHER PROOF AND RATED FOR EXTERIOR CONDITIONS |
| • | FIELD COORDINATE ELEVATION. |
| AFF | ABOVE FINISHED FLOOR |
| UC | DEVICE IS TO BE MOUNTED ON THE UNDERSIDE OF THE ELEVATED CANOPY. |
| WM | DEVICE IS TO BE WALL MOUNTED. |

| SUBSCRIPTS LEGEND - EXISTING DEVICES | |
|--------------------------------------|---|
| TEXT | DESCRIPTION |
| E | EXISTING TO REMAIN. |
| D | DEVICE IS EXISTING AND IS TO BE REMOVED. CONTRACTOR TO REMOVE THE DEVICE AND RETURN TO OWNER. |
| RR | REMOVE EXISTING DEVICE AND RELOCATE TO A LOCATION INDICATED ON THE DRAWINGS. |

| NOTES TO CONTRACTOR | |
|---------------------|---|
| 1. | EVERY SYMBOL SHOWN ON LEGEND MAY NOT APPEAR ON DRAWINGS. |
| 2. | SYSTEM INSTALLERS SHALL COORDINATE LOCATIONS AND CONNECTIONS WITH THE PROJECTS ELECTRICAL CONTRACTOR. |
| 3. | CONTRACTOR TO PROVIDE PROPERLY GROUNDED LIGHTING PROTECTION ON ALL CABLING ENTERING AND EXITING THE BUILDING. |

| TECHNOLOGY SHEET INDEX | |
|------------------------|------------------------|
| T0.00 | TECHNOLOGY TITLE SHEET |
| T1.00 | TECHNOLOGY SITE PLAN |
| T2.01 | TECHNOLOGY FLOOR PLAN |
| T3.01 | TECHNOLOGY SHEET SPECS |



THE MCKINNEY
PARTNERSHIP
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:

Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

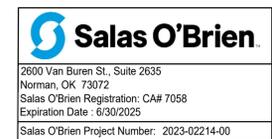
Revisions:

Project Number:
CM093523

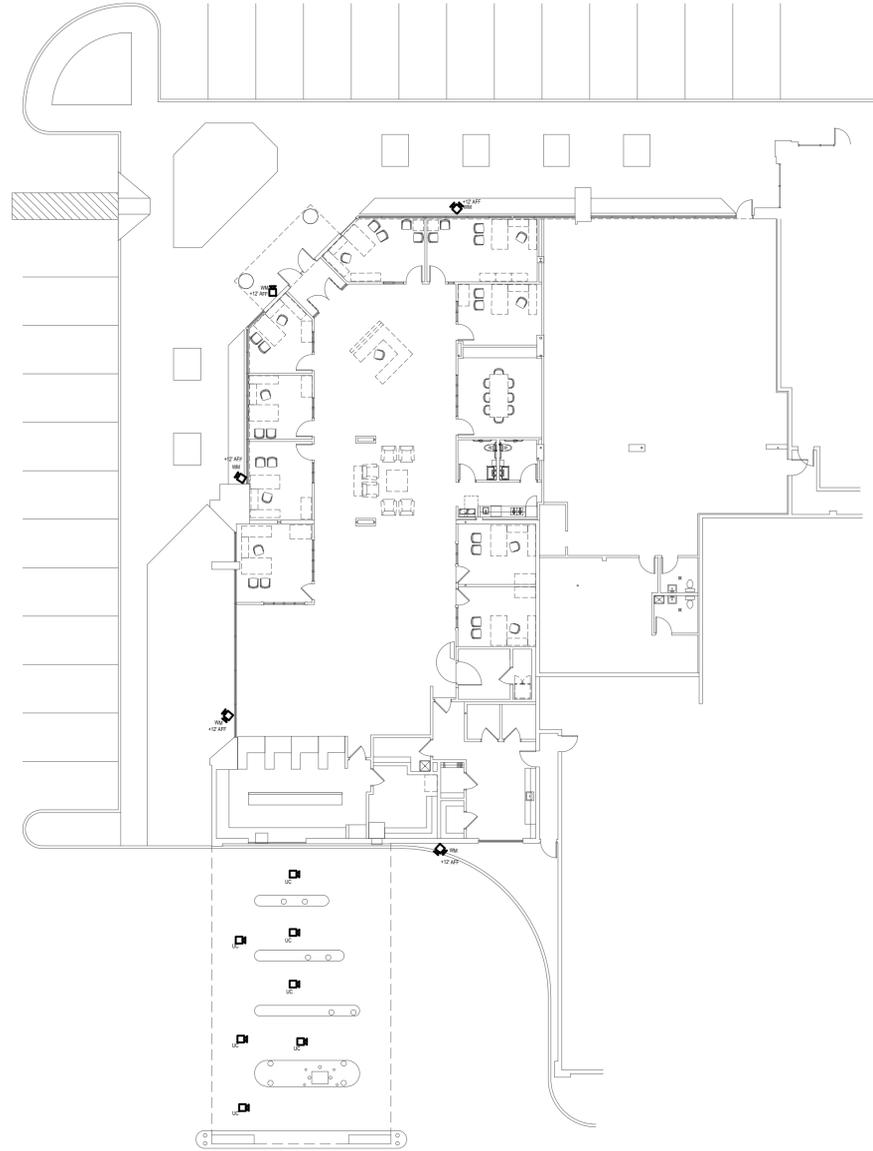
Sheet Title:
TECHNOLOGY
TITLE SHEET

Sheet Number:

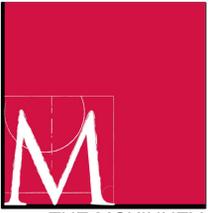
T0.00



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 70598
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00



- GENERAL NOTES**
- A. COORDINATE ALL FINAL MOUNTING HEIGHTS, FOR WALL MOUNTED DEVICES, PRIOR TO ROUGH-IN. COORDINATE WITH ARCHITECT, OWNER AND ENGINEER.
 - B. COORDINATE ALL CEILING DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS AND INTERIOR DESIGN CONSULTANT(IF APPLICABLE) PRIOR TO ROUGH-IN.
 - C. CONTRACTOR TO COORDINATE ALL DROP LOCATIONS WITH FURNITURE. COORDINATE WITH ARCHITECT AND OWNER FOR MORE INFORMATION.
 - D. CONTRACTOR SHALL PROPERLY SEAL ALL BUILDING PENETRATIONS.



**THE MCKINNEY
PARTNERSHIP**
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:

Project:

**Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072**

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
**TECHNOLOGY
SITE PLAN**

Sheet Number:

T1.00

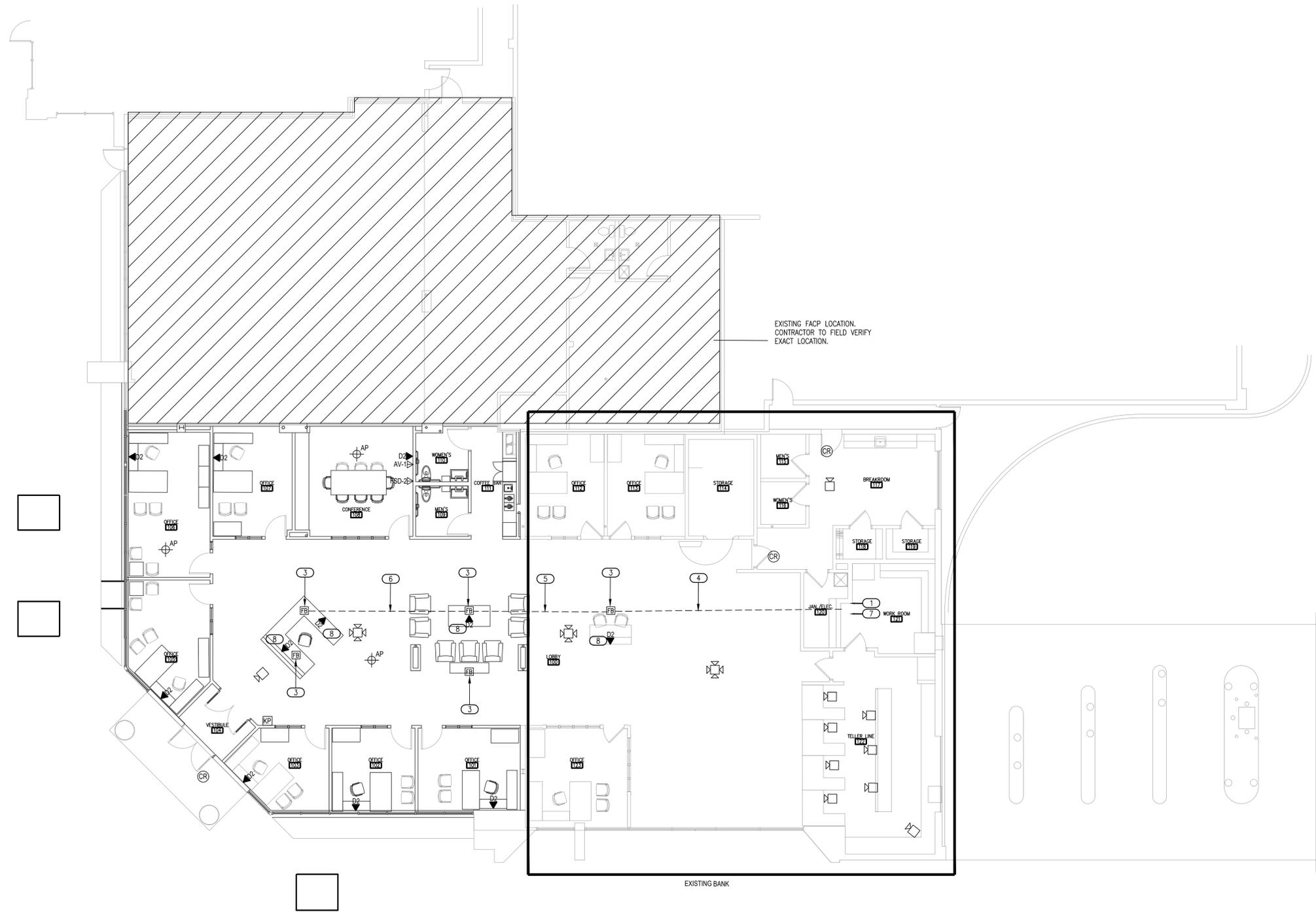
1 TECHNOLOGY SITE PLAN
SCALE: 1/16" = 1'-0"



NORTH



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00



- ### GENERAL NOTES
- A. COORDINATE ALL FINAL MOUNTING HEIGHTS, FOR WALL MOUNTED DEVICES, PRIOR TO ROUGH-IN. COORDINATE WITH ARCHITECT, OWNER AND ENGINEER.
 - B. COORDINATE ALL CEILING DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS AND INTERIOR DESIGN CONSULTANT(F APPLICABLE) PRIOR TO ROUGH-IN.
 - C. REFERENCE TECHNOLOGY PLANS, OVERALL PLANS, NOTES & LEGENDS, ELECTRICAL PLAN AND THEATRICAL PLANS FOR ADDITIONAL INFORMATION AND DEVICE/OUTLET LOCATIONS.
 - D. CONTRACTOR TO COORDINATE ALL DROP LOCATIONS WITH FURNITURE. COORDINATE WITH ARCHITECT AND OWNER FOR MORE INFORMATION.

- ### KEYED NOTES
- 1 INDICATES THE EXISTING LOCATION OF AT&T SERVICE PROVIDER DEMARCATION POINT.
 - 2 INDICATES 1-3/4" CONDUIT FOR DATA CABLING AND 1-1/2" CONDUIT FOR AV CABLING. DATA CABLE SHALL ORIGINATE IN NEAREST IDF/NETWORK SWITCH. AV CABLING SHALL ALLOW FOR CONNECTION BETWEEN WALL MOUNTED DISPLAY AND CONFERENCE TABLE. REFERENCE ELECTRICAL POWER PLAN AND DETAILS FOR FLOOR BOX INFORMATION.
 - 3 INDICATES APPROXIMATE LOCATION OF ELECTRICAL/DATA FLOOR BOX. REFERENCE ELECTRICAL POWER PLANS AND DETAILS FOR FLOOR BOX LOCATIONS AND INFORMATION.
 - 4 INDICATED 1 1/2" CONDUIT WHICH SHALL CONTAIN 8 DATA CABLES FROM IDF TO FLOOR BOX. DATA CABLES BY OTHERS.
 - 5 INDICATES 1 1/2" CONDUIT WHICH SHALL CONTAIN 6 DATA CABLES FROM IDF TO FLOOR BOX. DATA CABLES BY OTHERS.
 - 6 INDICATES 1" CONDUIT WHICH SHALL CONTAIN 4 DATA CABLES FROM IDF TO FLOOR BOX. DATA CABLES BY OTHERS.
 - 7 PROPOSED IDF LOCATION. CONFIRM FINAL LOCATION WITH OWNER.
 - 8 DATA CABLING SHALL ROUTE THROUGH FLOOR BOX AND TERMINATE IN FURNITURE. CONFIRM WITH OWNER.

1 TECHNOLOGY FLOOR PLAN

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



3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:

Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:
06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:
CM093523

Sheet Title:
TECHNOLOGY FLOOR PLAN

Sheet Number:

T2.01

Salas O'Brien
2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00

SECTION 28 46 00 -EXPANSION OF FIRE DETECTION AND ALARM SYSTEM

PART 1 GENERAL

- 1.01 SCOPE
- A.The work covered by this section of the specifications includes the furnishing of all labor, equipment, materials, and performance of all operations associated with the expansion of the existing Fire Alarm System as shown on the drawings and as herein specified. Included are the following topics:
- 1.PART 1 -GENERAL.
 - a.Scope.
 - b.Related Requirements.
 - c.Reference Standards.
 - d.Submittals.
 - e.Quality Assurance.
 - f.Warranty.
 - 2.PART 2 -PRODUCTS.
 - a.Manufacturers.
 - b.Fire Alarm System.
 - c.Existing Components.
 - d.Fire Safety Systems Interfaces.
 - e.Components.
 - 3.PART 3 -EXECUTION.
 - a.Installation.
 - b.Inspection and Testing for Completion.
 - c.Owner Personnel Instruction.
 - d.Closeout.
 - e.Maintenance.
- 1.02 RELATED REQUIREMENTS
- A.Section 07 8400 -Firestopping: Materials and methods for work to be performed by this installer.
- B.Section 08 7100 -Door Hardware: Electrically operated locks and door holder devices to be monitored and released by fire alarm system.
- C.Section 21 1300 -Fire-Suppression Sprinkler Systems: Supervisory, alarm, and actuating devices installed in sprinkler system.
- D.Section 23 3300 -Air Duct Accessories: Smoke dampers monitored and controlled by fire alarm system.
- 1.03 REFERENCE STANDARDS
- A.IEEE C62.41.2 -Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and Less) AC Power Circuits; 2002 (R2008)
- B.NFPA 70 -National Electrical Code; 2008.
- C.NFPA 72 -National Fire Alarm Code and Signaling Code; 2010.
- D.NFPA 101 -Code for Safety to Life from Fire in Buildings and Structures; 2009.
- E.NFPA 601 -Standard for Security Services in Fire Loss Prevention; 2005.
- 1.04 SUBMITTALS
- A.Refer to Section 01 3000 -Administrative Requirements, for submittal procedures.
- B.Proposal Documents: Submit the following with cost/time proposal:
- 1.NFPA 72 "Record of Completion", filled out to the extent known at the time.
 - 2.Manufacturer's detailed data sheet for each control unit, initiating device, and notification appliance.
 - 3.Certification by Contractor that the system design will comply with the contract documents.
 - 4.Proposed maintenance contract.
- C.Drawings must be prepared using most recent version of AutoCAD.
- 1.Owner will provide floor plan drawings for Contractor's use; verify all dimensions on Owner-provided drawings.
- D.Evidence of designer qualifications.
- E.Design Documents: Submit all information required for plan review and permitting by authorities having jurisdiction, including but not limited to floor plans, riser diagrams, and description of operation:
- 1.Copy (if any) of list of data required by authority having jurisdiction.
 - 2.NFPA 72 "Record of Completion", filled out to the extent known at the time.
 - 3.Clear and concise description of operation, with input/output matrix similar to that shown in NFPA 72 Appendix A-7-5-2.2(9), and complete listing of software required.
 - 4.System zone boundaries and interfaces to fire safety systems.
 - 5.Location of all components, circuits, and raceways; mark components with identifiers used in control unit programming.
 - 6.Circuit layouts; number, size, and type of raceways and conductors; conduit fill calculations; spare capacity calculations; notification appliance circuit voltage drop calculations.
 - 7.List of all devices on each signaling line circuit, with spare capacity indicated.
 - 8.Manufacturer's detailed data sheet for each component, including wiring diagrams, installation instructions, and circuit length limitations.
 - 9.Description of power supplies; if secondary power is by battery include calculations demonstrating adequate battery power.
 - 10.Detailed drawing of graphic annunciator(s).
 - 11.Certification by either the manufacturer of the control unit or by the manufacturer of each other component that the components are compatible with the control unit.
 - 12.Certification by the manufacturer of the control unit that the system design complies with the contract documents.
 - 13.Certification by Contractor that the system design complies with the contract documents.
 - 14.Do not show existing components to be removed.
- F.Submit all required documents to the appropriate agencies for plan approval/permitting along with fees.
- G.Evidence of installer qualifications.
- H.Evidence of instructor qualifications; training lesson plan outline.
- I. Evidence of maintenance contractor qualifications, if different from installer.
- J.Inspection and Test Reports:
- 1.Submit inspection and test plan prior to closeout demonstration.
 - 2.Submit documentation of satisfactory inspections and tests.
 - 3.Submit NFPA 72 "Inspection and Test Form," filled out.
- K.Operating and Maintenance Data: See Section 01 7000 -Execution & Closeout Requirements for additional requirements; revise and resubmit until acceptable; have one set available during closeout demonstration:
- 1.Original copy of NFPA 72 with portions that are not relevant to this project neatly crossed out by hand; label with project name and date.
 - 2.Complete set of specified design documents, as approved by authority having jurisdiction.
 - 3.Additional printed set of project record documents and closeout documents, bound or filed in same manuals.
 - 4.Contact information for firm that will be providing contract maintenance and trouble call-back service.
 - 5.List of recommended spare parts, tools, and instruments for testing.
 - 6.Replacement parts list with current prices, and source of supply.
 - 7.Detailed troubleshooting guide and large scale input/output matrix.
 - 8.Preventive maintenance, inspection, and testing schedule complying with NFPA 72; provide printed copy and computer format acceptable to Owner.
 - 9.Detailed but easy to read explanation of procedures to be taken by non-technical administrative personnel in the event of system trouble, when routine testing is being conducted, for fire drills, and when entering into contracts for remodeling.
- L.Project Record Documents: See Section 01 7000 -Execution & Closeout Requirements for additional requirements: Have one set available during closeout demonstration:
- 1.Complete set of floor plans showing actual installed locations of components, conduit, and zones.
 - 2."As installed" wiring and schematic diagrams, with final terminal identifications.
 - 3."As programmed" operating sequences, including control events by device, updated input/output chart, and voice messages by event.
- M.Closeout Documents:
- 1.Certification by manufacturer that the system has been installed in compliance with his installation requirements, is complete, and is in satisfactory operating condition.
 - 2.NFPA 72 "Record of Completion", filled out completely and signed by installer and authorized representative of authority having jurisdiction.
 - 3.Certificate of Occupancy.
 - 4.Maintenance contract.
 - 5.Report on training results.
- N.Maintenance Materials, Tools, and Software: Furnish the following for Owner's use in maintenance of project.
- 1.See Section 01 6000 -Product Requirements, for additional provisions.
 - 2.Furnish spare parts of same manufacturer and model as those installed; deliver in original packaging, labeled in same manner as in operating and maintenance data and place in spare parts cabinet.
 - 3.In addition to the items in quantities indicated in PART 2, furnish the following:
 - a.All tools, software, and documentation necessary to modify the fire alarm system using Owner's personnel; minimum modification capability to include addition and deletion of devices, circuits, and zones, and changes to system description, operation, and evacuation and instructional messages.
 - b.One copy, on CD-ROM, of all software not resident in read-only-memory.
 - c.Extra Fuses: Two for each installed fuse; store inside applicable control cabinet.

1.05 QUALITY ASSURANCE

- A.Copies of Design Criteria Documents: Maintain at the project site for the duration of the project, bound together, an original copy of NFPA 72, the relevant portions of applicable codes, and instructions and guidelines of authorities having jurisdiction; deliver to Owner upon completion.
- B.Designer Qualifications: NICET Level III or IV (3 or 4) certified fire alarm technician or registered fire protection engineer, employed by fire alarm control panel manufacturer, Contractor, or installer, with experience designing fire alarm systems in the jurisdictional area of the authorities having jurisdiction.
- C.Installer Qualifications: Firm with minimum 3 years documented experience installing fire alarm systems of the specified type and providing contract maintenance service as a regular part of their business.
- 1.Authorized representative of control unit manufacturer; submit manufacturer's certification that installer is authorized; include name and title of manufacturer's representative making certification.
 - 2.Installer Personnel: At least 2 years of experience installing fire alarm systems.
 - 3.Supervisor: NICET level III or IV (3 or 4) certified fire alarm technician; furnish name and address.
 - 4.Contract maintenance office located within 50 miles of project site.
 - 5.Certified in the State in which the Project is located as fire alarm installer.
- D.Maintenance Contractor Qualifications: Same entity as installer or different entity with specified qualifications.
- E.Instructor Qualifications: Experienced in technical instruction, understanding fire alarm theory, and able to provide the required training; trained by fire alarm control unit manufacturer.
- 1.06 WARRANTY
- A.See Section 01 7000 -Execution & Closeout Requirements, for additional warranty requirements.
- B.Provide control panel manufacturer's warranty that system components other than wire and conduit are free from defects and will remain so for 1 year after date of Substantial Completion.
- C.Provide installer's warranty that the installation is free from defects and will remain so for 1 year after date of Substantial Completion.

PART 2 PRODUCTS

- 2.01 MANUFACTURERS
- A.Fire Alarm Control Units-Basis of Design: Expand existing system. Contractor shall field verify existing conditions prior to bidding.
- B.Fire Alarm Control Units -Other Acceptable Manufacturers: Provided their products meet or exceed the performance of the basis of design product, products of the following are acceptable:
- 1.Expand Existing System.
 - 2.For substitution of products by manufacturers not listed, submit product data showing features and certification by Contractor that the design will comply with contract documents.
- D.Substitutions: See Section 01 6000 -Product Requirements.
- 1.For other acceptable manufacturers of control units specified, submit product data showing equivalent features and compliance with contract documents.
 - 2.For substitution of products by manufacturers not listed, submit product data showing features and certification by Contractor that the design will comply with contract documents.
- 2.02 FIRE ALARM SYSTEM
- A.Fire Alarm System: Expand the existing automatic fire detection and alarm system:
- 1.Provide all components necessary, regardless of whether shown in the contract documents or not.
 - 2.Protected Premises: Entire building shown on drawings.
 - 3.Comply with the following, where requirements conflict, order of precedence of requirements is as listed:
 - a.The Americans With Disabilities Act (ADA).
 - b.The requirements of the State Fire Marshal.
 - c.The requirements of the local authority having jurisdiction, which is City of Amber.
 - d.Applicable local codes.
 - e.The contract documents (drawings and specifications).
 - f. NFPA 101.
 - g.NFPA 72; where the word "shall" is used consider that provision mandatory; where conflicts between requirements require deviation from NFPA 72, identify deviations clearly on design documents.
 - 4.Evacuation Alarm: Multiple smoke zones; allow for evacuation notification of any individual zone or combination of zones, in addition to general evacuation of entire premises.
 - 5.Voice Notification: Provide emergency voice/alarm communications with multichannel capability; digital if required by AHJ.
 - 6.General Evacuation Zones: Each smoke zone is considered a general evacuation zone unless otherwise indicated, with alarm notification in all zones on the same floor, on the floor above, and the floor below.
 - 7.Staff Response Zones: For each smoke zone where occupants are not ambulatory, program notification zones as directed to notify staff in areas outside the normal notification zone and in other buildings, for response to assist in evacuation.
 - 8.Program notification zones and voice messages as directed by Owner.
 - 9.Hearing Impaired Occupants: Provide visible notification devices in all public areas and in dwelling units.
 - 10.Fire Command Center: Location indicated on drawings.
 - 11.Master Control Unit (Panel): Existing; contractor to field verify location.
 - 12.Two-Way Telephone: Provide two-way telephone service for the use of the fire service and others; provide jacks and two portable handsets.
 - 13.Guard's Tour: Provide guard's tour supervisory service in accordance with NFPA 601.
 - 14.Combined Systems: Do not combine fire alarm system with other non-fire systems.
- B.Circuits:
- 1.Initiating Device Circuits (IDC): Class B, Style A.
 - 2.Signaling Line Circuits (SLC) Within Single Building: Class B, Style 0.5.
 - 3.Signaling Line Circuits (SLC) Between Buildings: Class A, Style 2.
 - 4.Notification Appliance Circuits (NAC): Class B, Style W.
- C.Spare Capacity:
- 1.Initiating Device Circuits: Minimum 25 percent spare capacity.
 - 2.Notification Appliance Circuits: Minimum 25 percent spare capacity.
 - 3.Speaker Amplifiers: Minimum 25 percent spare capacity.
 - 4.Master Control Unit: Capable of handling all circuits utilized to capacity without requiring additional components other than plug-in control modules.
- D.Power Sources:
- 1.Primary: Dedicated branch circuits of the facility power distribution system.
 - 2.Secondary: Storage batteries.
 - 3.Capacity: Sufficient to operate entire system for period specified by NFPA 72.
 - 4.Each Computer System: Provide uninterruptible power supply (UPS).
- 2.03 EXISTING COMPONENTS
- A.Existing Fire Alarm System: The existing system shall remain operational throughout construction. Coordinate all system downtime with Owner/AHJ prior to beginning work.
- B.Remove unused existing components and materials from site and dispose of properly.
- 2.04 FIRE SAFETY SYSTEMS INTERFACES
- A.Supervision: Provide supervisory signals in accordance with NFPA 72 for the following:
- 1.Sprinkler water control valves.
 - 2.Dry-pipe sprinkler system pressure.
 - 3.Dry-pipe sprinkler valve room low temperature.
 - 4.Sprinkler water storage tank low level.
 - 5.Sprinkler water storage tank low temperature.
- B.Alarm: Provide alarm initiation in accordance with NFPA 72 for the following:
- 1.Sprinkler water flow.
 - 2.Total Flooding suppression system activation.
 - 3.Kitchen hood suppression activation; also disconnect fuel source from cooking equipment.
 - 4.Generator room heat detector.
 - 5.Duct smoke detectors.
- C.HVAC:
- 1.Duct Smoke Detectors: Close dampers indicated; shut down air handlers indicated.
- D.Doors:
- 1.Smoke Barrier Door Magnetic Holders: Release upon activation of smoke detectors in smoke zone on either side of door, upon alarm from manual pull station on same floor, and upon sprinkler activation on same floor.
 - 2.Electromagnetic Door Locks on Egress Doors: Unlock upon activation of any alarm initiating device or suppression system in smoke zone that doors serve as egress from.
 - 3.Overhead Ceiling Fire Doors: Release upon activation of smoke detectors in smoke zone on either side of door, upon alarm from manual pull station on same floor, and upon sprinkler activation on same floor.

2.05 COMPONENTS

- A.General:
- 1.Provide flush mounted units where installed in finish areas; in unfinished areas, surface mounted unit are acceptable.
 - 2.Provide legible, permanent labels for each control device, using identification used in operation and maintenance data.
- B.Fire Alarm Control Units, Initiating Devices, and Notification Appliances: Analog, addressable type; listed by Underwriters Laboratories as suitable for the purpose intended.
- C.Master Control Unit: As specified for Basis of Design above, or equivalent.
- D.Remote Annunciators as required by AHJ.
- E.Initiating Devices:
- 1.Manual Pull Stations:
 - a.Provide 1 extra.
 - 2.Key Operated Pull Stations:
 - a.Provide 1 extra.
 - 3.Smoke Detectors:
 - a.Provide 1 extra.
 - 4.Duct Smoke Detectors:
 - a.Provide 1 extra.
 - 5.Heat Detectors:
 - a.Provide 1 extra.
 - 6.Addressable Interface Devices:
 - a.Provide 1 extra.
- F.Notification Appliances:
- 1.Bells:
 - a.Provide 1 extra.
 2. Speakers:
 - a.Provide 1 extra.
 - 3.Strobes:
 - a.Provide 1 extra.
- G.Circuit Conductors: Copper or optical fiber; provide 200 feet extra; color code and label.
- H.Surge Protection: In accordance with IEEE C62.41.2 category B combination waveform and NFPA 70; except for optical fiber conductors.
- 1.Equipment Connected to Alternating Current Circuits: Maximum let through voltage of 350 V(ac), line-to-neutral, and 350 V(ac), line-to-line; do not use fuses.
 - 2.Initiating Device Circuits, Notification Appliance Circuits, and Communications Circuits: Provide surge protection at each point where circuit exits or enters a building; rated to protect applicable equipment; for 24 V(dc) maximum dc clamping voltage of 36 V(dc), line-to-ground, and 72 V(dc), line-to-line.
 - 3.Signaling Line Circuits: Provide surge protection at each point where circuit exits or enters a building, rated to protect applicable equipment.
- I. Locks and Keys: Deliver keys to Owner.
- 1.Provide the same standard lock and key for each key operated switch and lockable panel and cabinet; provide 5 keys of each type.
 - 2.Provide a different standard lock and key for each key operated alarm initiating device; provide 25 keys of each type.
- J.Instruction Charts: Printed instruction chart for operators, showing steps to be taken when a signal is received (normal, alarm, supervisory, and trouble); easily readable from normal operator's station.
- 1.Frame: Stainless steel or aluminum with polycarbonate or glass cover.
 - 2.Provide one for each control unit where operations are to be performed.
 - 3.Obtain approval of Owner prior to mounting; mount in location acceptable to Owner.
 - 4.Provide extra copy with operation and maintenance data submittal.
- K.Storage Cabinet for Spare Parts and Tools: Steel with baked enamel finish, size appropriate to quantity of parts and tools.
- 1.Padlock eye and hasp for lock furnished by Owner.
 - 2.Locate as directed by Owner.

PART 3 EXECUTION

- 3.01 INSTALLATION
- A.Install in accordance with applicable codes, NFPA 72, NFPA 70, and the contract documents.
- B.Conceal all wiring, conduit, boxes, and supports where installed in finished areas.
- C.Obtain Owner's approval of locations of devices, before installation.
- D.Install instruction cards and labels.
- 3.02 INSPECTION AND TESTING FOR COMPLETION
- A.Notify Owner 7 days before beginning completion inspections and tests.
- B.Owner will provide the services of an independent fire alarm engineer or technician to observe all tests.
- C.Notify authorities having jurisdiction and comply with their requirements for scheduling inspections and tests and for observation by their personnel.
- D.Provide the services of the installer's supervisor or person with equivalent qualifications to supervise inspection and testing, correction, and adjustments.
- E.Prepare for testing by ensuring that all work is complete and correct; perform preliminary tests as required.
- F.Provide all tools, software, and supplies required to accomplish inspection and testing.
- G.Perform inspection and testing in accordance with NFPA 72 and requirements of local authorities; document each inspection and test.
- H.Correct defective work, adjust for proper operation, and retest until entire system complies with contract documents.
- I. Diagnostic Period: After successful completion of inspections and tests. Operate system in normal mode for at least 14 days without any system or equipment malfunctions.
- 1.Record all system operations and malfunctions.
 - 2.If a malfunction occurs, start diagnostic period over after correction of malfunction.
 - 3.Owner will provide attendant operator personnel during diagnostic period; schedule training to allow Owner personnel to perform normal duties.
 - 4.At end of successful diagnostic period, fill out and submit NFPA 72 "Inspection and Testing Form."
- 3.03 OWNER PERSONNEL INSTRUCTION
- A.Provide the following instruction to designated Owner personnel:
- 1.Hands-On Instruction: On-site, using operational system.
 - 2.Classroom Instruction: Owner furnished classroom, on-site or at other local facility.
 - 3.Factory Instruction: At control unit manufacturer's training facility.
- B.Administrative: One-hour session(s) covering issues necessary for non-technical administrative staff; classroom:
- 1.Initial Training: 1 session pre-closeout.
 - 2.Refresher Training: 1 session post-occupancy.
- C.Basic Operation: One-hour sessions for attendant personnel, security officers, and engineering staff; combination of classroom and hands-on:
- 1.Initial Training: 1 session pre-closeout.
 - 2.Refresher Training: 1 session post-occupancy.
- D.Detailed Operation: Two-hour sessions for engineering staff; assume NICET level I qualifications or equivalent; combination of classroom and hands-on:
- 1.Initial Training: 1 session pre-closeout.
 - 2.Refresher Training: 1 session post-occupancy.
- E.Maintenance Technicians: Detailed training for electrical technicians, on programming, maintaining, repairing, and modifying; factory training:
- 1.Initial Training: One 3-day session, pre-closeout.
 - 2.Refresher Training: One 1-day session post-occupancy.
- F.Furnish the services of instructors and teaching aids; have copies of operation and maintenance data available during instruction.
- G.Provide means of evaluation of trainees suitable to type of training given; report results to Owner.
- 3.04 CLOSEOUT
- A.Closeout Demonstration: Demonstrate proper operation of all functions to Owner.
- 1.Be prepared to conduct any of the required tests.
 - 2.Have at least one copy of operation and maintenance data, preliminary copy of project record drawings, input/output matrix, and operator instruction chart(s) available during demonstration.
 - 3.Have authorized technical representative of control unit manufacturer present during demonstration.
 - 4.Demonstration may be combined with inspection and testing required by authority having jurisdiction; notify authority having jurisdiction in time to schedule demonstration.
 - 5.Repeat demonstration until successful.
- B.Occupancy of the project will not occur prior to Substantial Completion.
- C.Substantial Completion of the project cannot be achieved until inspection and testing is successful and:
- 1.Specified diagnostic period without malfunction has been completed.
 - 2.Approved operating and maintenance data has been delivered.
 - 3.Spare parts, extra materials, and tools have been delivered.
 - 4.All aspects of operation have been demonstrated to Owner.
 - 5.Final acceptance of the fire alarm system has been given by authorities having jurisdiction.
 - 6.Occupancy permit has been granted.
 - 7.Specified pre-closeout instruction is complete.
- D.Perform post-occupancy instruction within 3 months after Substantial Completion.

3.05 MAINTENANCE

- A.See Section 01 7000 -Execution & Closeout Requirements, for additional requirements relating to maintenance service.
- B.Provide to Owner, at no extra cost, a written maintenance contract for entire manufacturer's warranty period, to include the work described below.
- C.Provide to Owner, a proposal as an alternate to the base bid, for a maintenance contract for entire warranty period, to include the work described below; include the total cost of contract, proposal to be valid at least until 30 days after date of Substantial Completion.
- D.Perform routine inspection, testing, and preventive maintenance required by NFPA 72, including:
- 1.Maintenance of fire safety interface and supervisory devices connected to fire alarm system.
 - 2.Repairs required, unless due to improper use, accidents, or negligence beyond the control of the maintenance contractor.
 - 3.Record keeping required by NFPA 72 and authorities having jurisdiction.
- E.Provide trouble call-back service upon notification by Owner:
- 1.Provide on-site response within 2 hours of notification.
 - 2.Include allowance for call-back service during normal working hours at no extra cost to Owner.
 - 3.Owner will pay for call-back service outside of normal working hours on an hourly basis, based on actual time spent at site and not including travel time; include hourly rate and definition of normal working hours in maintenance contract.
- F.Provide a complete description of preventive maintenance, systematic examination, adjustment, cleaning, inspection, and testing, with a detailed schedule.
- G.Maintain a log at each fire alarm control unit, listing the date and time of each inspection and call-back visit, the condition of the system, nature of the trouble, correction performed, and parts replaced. Submit duplicate of each log entry to Owner's representative upon completion of site visit.
- H.Comply with Owner's requirements for access to facility and security.
- END OF SECTION



THE MCKINNEY
PARTNERSHIP
architects

3600 West Main
Suite 200
Norman, Oklahoma
73072
405.360.1400 p
405.364.8287 f
tmparch.com

Seal:

Project:

Vision Bank
3600 West Main, Suite 100
Norman, Oklahoma 73072

Issue Date:

06.15.2023 - ISSUED FOR BIDDING

Revisions:

Project Number:

CM093523

Sheet Title:

TECHNOLOGY
SHEET SPECS

Sheet Number:

T3.01



2800 Van Buren St., Suite 2635
Norman, OK 73072
Salas O'Brien Registration: CA# 7058
Expiration Date: 6/30/2025
Salas O'Brien Project Number: 2023-02214-00