BIDDING FORMS
&
PACKAGES

Slick City Action Park

1100 W. Main Street

Norman, OK 73069

OMNI CONSTRUCTION
1909 S Eastern Ave Moore, OK 73160

SOLICITAITON FOR BIDS
(BID NOTICE)

Proposals will be received by OMNI Construction LLC, at our office located at 1909 S. Eastern Ave. Moore, OK 73160, until 4:00 PM Central Standard Time, on Wednesday the 9th day of September 2026. There will not be a public bid opening for this project. Bid proposals can be delivered in person or sent via email to omniconstruction@omnioklahoma.com.

Bid Package 2 – Concrete
Bid Package 5 – Millwork
Bid Package 7 – Doors & Hardware (Material Only)
Bid Package 7A – Entrances & Storefronts
Bid Package 8 – Framing/Drywall/Ceiling System
Bid Package 10 – Flooring
Bid Package 11 – Painting
Bid Package 12 – Fire Suppression
Bid Package 13 – Mechanical
Bid Package 14 – Plumbing
Bid Package 15 – Electrical/Cabling/IT

Complete sets of Plans, and Specifications, and other bidding documents may be obtained through OMNI Construction, LLC,.

OMNI Construction
1909 S. Eastern Ave.
Moore, OK 73160
405-735-3992
www.omnioklahoma.com

OMNI Construction LLC reserves the right to accept or reject any and all bids.

DOCUMENT 300

BID FORMS

PROJECT NAME: Slick City Action Park

DATE OF BID OPENING: 09/09/2026

COMPANY NAME: _____
COMPANY ADDRESS: _____
CONTACT NAME: _____
TELEPHONE NUMBER: _____
FAX NUMBER: _____
EMAIL ADDRESS: _____

PACKAGE NO. / DESCRIPTION	COMPLETE DESCRIPTION AS TO SCOPE OF WORK	AMOUNT

****Any proposal containing clarifications or exclusions shall not be considered.**

Base Bid: _____(Written Words)

$_____(Numeric Form)

SUBMITTED BY:

COMPANY NAME: _____

FULL PRINTED NAME: _____

SIGNATURE: _____

DATE: _____

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Summary of Work

PACKAGE #2: CONCRETE

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Concrete work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set** **Cover Page – E600** **Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **Any testing is to be paid for by others but needs to be coordinated by the contractor.**
- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**
- **The subcontractor is responsible for and must provide their own disposal for washout and concrete debris waste.**
- **Include all concrete related weather and temperature protection.**
- **Included all dewatering required to perform this scope of work.**
- **Include concrete repairs including but not limited to patching, rubbing, grinding, fill, sandblast, and caulk as indicated on the plan sheets and specifications.**
- **Include termite treatments.**
- **Include all necessary layout and surveying from a provided benchmark for concrete work.**
- **Furnish and maintain all rebar caps on dowels until next trade begins.**
- **Include any/all concrete demo**
- **Include plumbing patch on cuts**
- **Include lightweight deck & stair treads**

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Summary of Work

PACKAGE #5: MILLWORK

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Millwork work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set** **Cover Page – E600** **Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**

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Summary of Work

PACKAGE #7: DOORS & HARDWARE (MATERIAL ONLY)

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Doors & Hardware work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set** **Cover Page – E600** **Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**
- **Installation to be performed by others.**
- **Include delivery of all materials associated with this bid package. Delivery must be coordinated with the job superintendent.**

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Summary of Work

PACKAGE #7A: ENTRANCES & STOREFRONTS

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Entrances & Storefronts work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set** **Cover Page – E600** **Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**
- **Include demo as it pertains to this scope of work.**

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Summary of Work

PACKAGE #8: FRAMING/DRYWALL/CEILING SYSTEM

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Framing/Drywall/Ceiling System work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set** **Cover Page** **Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**
- **The subcontractor is to include in-wall backing.**

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Summary of Work

PACKAGE #10: FLOORING

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Flooring work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set** **Cover Page – E600** **Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**
- **The subcontractor is responsible for making sure work site conditions (temperature, moisture, etc.) are met before the installation of flooring.**

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Summary of Work

PACKAGE #11: PAINTING

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Painting work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set** **Cover Page** **Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**
- **Include and supply materials (joint tape & compound) & labor to complete the joint treatment application.**
- **Include and supply materials & labor to complete the texture application.**

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Summary of Work

PACKAGE #12: FIRE SUPPRESSION

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Fire Suppression work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set** **Cover Page – E600** **Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**

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Summary of Work

PACKAGE #13: MECHANICAL

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Mechanical work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set** **Cover Page – E600** **Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **Testing to be coordinated by the contractor.**
- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**
- **Coring, patching, and caulking of penetrations.**
- **Include mechanical demo.**

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Summary of Work

PACKAGE #14: PLUMBING

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Plumbing work as specified by the drawings and specifications including the following:**

SECTIONS:

• **Plan Set**	**Cover Page – E600**	**Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areas below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by their work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any and all information pertaining to this scope of work.**
- **Provide all necessary sleeving, block out, and penetrations required in walls, CMU block, floors, roof, etc. for this work including fire/smoke sealing inside & outside of sleeves and patching/fire caulking of the penetrations.**
- **All penetrations through CMU walls must have block-outs, core drilling will not be allowed.**
- **Caulking all penetrations associated with this scope of work.**
- **Caulking of all fixtures.**
- **All permits, fees, and inspections as required.**
- **All identification as called for and/or required per code.**
- **The subcontractor is responsible for the removal of excess spoils from site.**
- **The subcontractor shall furnish and install steel, lockable, and primed access panels in any location required to allow for proper access to the plumbing system. Access panels shall be large enough to accommodate easy access for repairs, maintenance, and inspections.**
- **The subcontractor is responsible for backfilling and compactions.**
- **All testing for backfilling & compaction to be paid for by others and coordinated by the subcontractor.**
- **Include plumbing concrete cuts.**
- **Include plumbing demo**

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Summary of Work

PACKAGE #15: ELECTRICAL

- **This bid package shall include all labor, materials, equipment, services, insurances, and incidentals required to complete the Electrical work as specified by the drawings and specifications including the following:**

SECTIONS:

- **Plan Set Cover Page Complete**

THIS SCOPE OF WORK SHALL INCLUDE BUT NOT LIMITED TO:

- **The subcontractor is to ensure that all elevated work areas are made ready to protect all areasĚ below and have OSHA approved fall protection for work to proceed.**
- **The subcontractor is responsible for the daily clean-up of all waste & trash generated by theirĚ work.**
- **The subcontractor is responsible for reviewing ALL PLAN SHEETS AND PLAN NOTES for any andĚ all information pertaining to this scope of work.**
- **Provide, coordinate, and maintain all temporary building, jobsite trailer and site electricalĚ power and lighting services including temporary construction facilities.**
- **The subcontractor is responsible for coordinating all systems with the fire sprinkler,Ě mechanical, and plumbing contractors.**
- **All associated inspections, permits, and required fees.**

- **The subcontractor is responsible for any earthwork associated with this bid package includingĚ hauling off of excess spoils.**
- **The subcontractor is responsible for any and all wiring to others equipment.**
- **The subcontractor is responsible for all layout associated with this bid package.**
- **Furnish and install all sleeves for associated electrical work.**
- **All penetrations through CMU walls must have block-outs, core drilling will not be allowed.**
- **The subcontractor is responsible for all fire-stopping where this scope of work createsĚ penetrations.**
- **Include electrical demo**
- **Include fire alarm scope of work in your proposal.**

A - TERMS AND ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
ACST	ACOUSTIC
ACT	ACOUSTICAL CEILING TILE
ACOUS PNL	ACOUSTICAL PANEL
ADDM	ADDENDUM
ADJ	ADJACENT (ADJUSTABLE)
AGGR	AGGREGATE
A/C	AIR CONDITION
ALT	ALTERNATE
ALUM	ALUMINUM
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIACTION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ADA	AMERICANS WITH DISABILITES ACT
AMT	AMOUNT
AHR	ANCHOR
APPROX	APPROXIMATE
ARCH	ARCHITECT
A/E	ARCHITECT/ENGINEER
AWI	ARCHITECTURAL WOODWORKING INSTITUTE
AD	AREA DRAIN
ASPH	ASPHALT
ABC	ASSOCIATED BUILDERS AND CONTRACTORS
AGC	ASSOCIATED GENERAL CONTRACTORS
AUTO	AUTOMATIC
AUX	AUXILLARY
AVE	AVENUE
AVG	AVERAGE
AZ	AZIMUTH

B - TERMS AND ABBREVIATIONS

BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BM	BEAM
BRG	BEARING
BRG PL	BEARING PLATE
BLW	BELOW
BM	BENCHMARK
BITUM	BITUMINOUS
BD	BOARD
BO	BOTTOM OF
BOT	BOTTOM
BLVD	BOULEVARD
BRK	BRICK
BRKT	BRACKET
BRCG	BRACING
BRDG	BRIDGING
BLD	BUILD
BLDG	BUILDING
BOCA	BUILDING OFFICIALS AND CODE ADMINISTRATORS ASSOCIATION INTERNATIONAL
BP	BUILDING PAPER
BLT	BUILT
BLKHD	BULKHEAD

C - TERMS AND ABBREVIATIONS

CAB	CABINET
CBC	CALIFORNIA BUILDING CODE
CTV	CABLE TELEVISION
CAN	CANOPY
CANV	CANVAS
CPT	CARPET
CO	CASED OPENING (CLEAN OUT)
CLG	CEILING
CLG HT	CEILING HEIGHT
CEM	CEMENT
CTR	CENTER
CER	CERAMIC
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTI	CERAMIC TILE INSTITUTE OF AMERICA
CO	CERTIFICATE OF OCCUPANCY
CHFR	CHAMFER
C	CHANNEL
CHK	CHECK
CKT	CIRCUIT
CKT BRKR	CIRCUIT BREAKER
CLASS	CLASSIFICATION
CLR	CLEAR
CLT	CLEATE
CW	CLOCKWISE
COL	COLUMN
CO	COMPANY
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CNDS	CONDENSATE
CONDN	CONDENSATION
COND	CONDITION(S)
CND	CONDUIT
CONSTR	CONSTRUCTION
CD	CONSTRUCTION DOCUMENTS
CJ	CONSTRUCTION JOINT
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CONSULT	CONSULTANT
CONT	CONTINUE
CONTR	CONTRACT
CD	CONTRACT DOCUMENTS
CONTR	CONTRACTOR
CJ	CONTROL JOINT
CNR	CORNER
CG	CORNER GUARD
COOR	CORRIDOR (CORRUGATED)
CNTR	COUNTER
CCW	COUNTERCLOCKWISE
CFLG	COUNTER FLASHING
C&G	CURB AND GUTTER
CUR	CURRENT

D - TERMS AND ABBREVIATIONS

DMPR	DAMPER
DAT	DATUM
dB	DECIBEL
D	DEEP
DEF	DEFINITION
DFLCT	DEFLECTION
DEG	DEGREE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DSGN	DESIGN
DET	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIFF	DIFFERENCE (DIFFUSER)
DIM	DIMENSION
DMR	DIMMER
DC	DIRECT CURRENT
DIR	DIRECTION
DW	DISHWASHER
DISP	DISPENSER
DIST	DISTANCE
DISTR PNL	DISTRIBUTION PANEL
DOC	DOCUMENT
DR	DOOR
DR FR	DOOR FRAME

D - TERMS AND ABBREVIATIONS

DBL	DOUBLE
XXH	DOUBLE EXTRA HEAVY
DS	DOWN SPOUT
DWR	DRAWER
DWG	DRAWING
DF	DRINKING FOUNTAIN
DX	DUPLEX
DX OUT	DUPLEX OUTLET

E - TERMS AND ABBREVIATIONS

EA	EACH
EW	EACH WAY
ESMT	EASEMENT
EL	EASEMENT LINE
E	EAST
EOS	EDGE OF SLAB
ELAST	ELASTOMERIC
ELEC	ELECTRIC
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EP	ELECTRIC PANEL (PANEL BOARD)
ELEV	ELEVATION
EMER	EMERGENCY
ENAM	ENAMEL
ENCL	ENCLOSURE
ENGR	ENGINEER
EWA	ENGINEERED WOOD ASSOCIATION
ENTR	ENTRANCE
ENVIR	ENVIRONMENT
EPA	ENVIRONMENTAL PROTECTION AGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
ESC	ESCUTCHEON
EST	ESTIMATE
ETC	ET CETERA
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EX	EXAMPLE
EXH	EXHAUST
EXH FN	EXHAUST FAN
EXIST	EXISTING
EXT LT	EXIT LIGHT
EPS	EXPANDED POLYSTYRENE BOARD (INSULATION)
EXP	EXPANSION
EJ	EXPANSION JOINT
EXTN	EXTENSION
EXT	EXTERIOR
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
XL	EXTRA LARGE
EXTRU	EXTRUSION (EXTRUDED)

F - TERMS AND ABBREVIATIONS

FOC	FACE OF CONCRETE (FACE OF CURB)
FOF	FACE OF FINISH
FOS	FACE OF SLAB (FACE OF STUD)
FACIL	FACILITY
FAX	FACSIMILE
FAS	FASCIA
FSTNR	FASTENER
FT	FEET
FRP	FIBERGLASS REINFORCED PLASTIC
FIN	FINISH
FF	FINISH FACE
FIN FLR	FINISH FLOOR
FF EL	FINISH FLOOR ELEVATION
FIN GR	FINISH GRADE
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FE	FIRE EXTINGUISHER
FR	FIRE RESISTANT
FRTW	FIRE RETARDANT TREATED WOOD
FIXT	FIXTURE
FLASH	FLASHING
FLEX	FLEXIBLE
FLR	FLOOR
FAR	FLOOR AREA RATIO
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLR FIN	FLOOR FINISH
FLUOR	FLUORESCENT
FT	FOOT
FTG	FOOTING
FDTN	FOUNDATION
FR	FRAME (FRAMED) (FRAMING)
FRWY	FREEWAY
FS	FULL SCALE
FURN	FURNISH
FF&E	FURNITURE, FIXTURE, AND EQUIPMENT

G - TERMS AND ABBREVIATIONS

GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GEN	GENERAL
GEN COND	GENERAL CONDITIONS
GC	GENERAL CONTRACTOR
GL	GLASS
GFRC	GLASS FIBER REINFORCED CONCRETE
GLU LAM	GLUED LAMINATED WOOD
GB	GRAB BAR
GR BM	GRADE BEAM
GRAN	GRANITE
GROM	GROMMET
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GYP	GYPSUM
GYP BD	GYPSUM BOARD

H - TERMS AND ABBREVIATIONS

HD	HAND DRYER
HC	HANDICAP
HNDRL	HANDRAIL
HGR	HANGER
HDW	HARDWARE
HDR	HEADER
HVY	HEAVY
HT	HEIGHT
HWY	HIGHWAY
HO	HOLD OPEN
HLDN	HOLDDOWN
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HB	HOSE BIBB
HW	HOT WATER
HYD	HYDRANT

I - TERMS AND ABBREVIATIONS

ID	IDENTIFICATION
ILLUM	ILLUMINATION
INCAND	INCANDESCENT
ID	INSIDE DIAMETER (INSIDE DIMENSION)
INSTL	INSTALL
IGL	INSULATED GLASS
INSUL	INSULATION
INT	INTERIOR
IBC	INTERNATIONAL BUILDING CODE
INV	INVERT

J - TERMS AND ABBREVIATIONS

JAN	JANITOR
J-BOX	J-BOX
JST	JOIST

K - TERMS AND ABBREVIATIONS

KES	KITCHEN EQUIPMENT SUPPLIER
KIT	KITCHEN

L - TERMS AND ABBREVIATIONS

LRG	LARGE
LAV	LAVATORY
LS	LANDSCAPE
LDR	LEADER
LT	LIGHT
LTG	LIGHTING
LF	LINEAR FEET (FOOT)
LIQ	LIQUID
LVR	LOUVER
LS	LUMP SUM

M - TERMS AND ABBREVIATIONS

MH	MANHOLE
MFD	MANUFACTURED
MFR	MANUFACTURER
MFR REC	MANUFACTURER'S RECOMMENDATION
MFG	MANUFACTURING
MO	MASONRY OPENING
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MECH RM	MECHANICAL ROOM
MED	MEDIUM
MEL	MELAMINE
MBR	MEMBER
MEMB	MEMBRANE
MWP	MEMBRANE WATERPROOFING
MTL	METAL
METF	METAL FLASHING
MIRR	MIRROR
MISC	MISCELLANEOUS
MOD BIT	MODIFIED BITUMEN
MLDG	MOLDING (MOULDING)
MS	MOP SINK
MTD	MOUNTED
MULL	MULLION

N - TERMS AND ABBREVIATIONS

NBC	NATIONAL BUILDING CODE
NEC	NATIONAL ELECTRICAL CODE
NFC	NATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
G	NATURAL GAS
NEG	NEGATIVE
NOM	NOMINAL
N	NORTH
NA	NOT APPLICABLE
NTS	NOT TO SCALE
NTP	NOTICE TO PROCEED
NO	NUMBER

O - TERMS AND ABBREVIATIONS

OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OCC	OCCUPY (OCCUPANCY)
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
OPH	OPPOSITE HAND
ORIG	ORIGINAL
OZ	OUNCE
OD	OUTSIDE DIAMETER
OA	OVERALL
OFD	OVERFLOW DRAIN
ORD	OVERFLOW ROOF DRAIN
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/OWNER INSTALLED

P - TERMS AND ABBREVIATIONS

PNT	PAINT
PR	PAIR
PNL	PANEL
PAR	PARALLEL
PARPT	PARAPET
PRKG	PARKING
PKWY	PARKWAY
PTN	PARTITION
PAT	PATTERN
PVG	PAVING
D	PENNY (NAIL)
PERP	PERPENDICULAR
PH	PHASE
PC	PIECE
PLAS	PLASTER / PLASTIC
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
LB	POUND
PWR	POWER
PREFAB	PREFABRICATE
PT	PRESSURE TREATED
PROJ	PROJECT
PROP	PROPERTY
PL	PROPERTY LINE
PB	PULL BOX
PS	PULL STATION

Q - TERMS AND ABBREVIATIONS

QC	QUALITY CONTROL
QCR	QUALITY CONTROL REVIEW
QTY	QUANTITY
QT	QUARRY TILE

R - TERMS AND ABBREVIATIONS

R	RADIUS
REC	RECESSED
REFL	REFLECT (ED)
RCP	REFLECTED CEILING PLAN
REBAR	REINFORCING STEEL BARS
RFI	REQUEST FOR INFORMATION
REQ	REQUIRE (MENT)
REQD	REQUIRED
RESIL	RESILIENT
RB	RESILIENT BASE
REST	REST ROOM
RA	RETURN AIR
RVL	REVEAL

R - TERMS AND ABBREVIATIONS

REV	REVISION
ROW	RIGHT OF WAY
RGD INS	RIGID INSULATION, SOLID
RD	ROAD
RM	ROOM
RFG	ROOFING
RO	ROUGH OPENING
RS	ROUGH SAWN
RND	ROUND

S - TERMS AND ABBREVIATIONS

SAN	SANITARY
SLNT	SEALANT
SND	SOUND
SCHED	SCHEDULE
SCP	SCUPPER
SH	SHELVING (SHELF)
SDG	SIDING
SD	SOAP DISPENSER
SC	SOLID CORE
SND INS	SOUND INSULATION
STC	SOUND TRANSMISSION GLASS
S	SOUTH
SPKR	SPEAKER
SPKLR	SPRINKLER
SPCL	SPECIAL
SQ	SQUARE
SF	SQUARE FOOT (FEET)
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SST	STAINLESS STEEL
STD	STANDARD
SS	STANDING SEAM
STL JST	STEEL JOIST
STL LNTL	STEEL LINTEL
STL PL	STEEL PLATE
STOR	STORAGE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SS	STORM SEWER
ST	STREET
STRUCT	STRUCTURAL
SUP	SUPPLEMENTARY
SUSP CLG	SUSPENDED CEILING
SYM	SYMBOL
SYMM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM

T - TERMS AND ABBREVIATIONS

TEL	TELEPHONE
TV	TELEVISION
TEMP	TEMPERATURE (TEMPERED)
TMPD GL	TEMPERED GLASS
TIGL	TEMPERED INSULATED GLASS
TEMP	TEMPORARY
TB-XX	TEST BORING-XX (E.G. TB-01)
THERM	THERMAL
THK	THICKNESS (THICK)
THRES	THRESHOLD
THRU	THROUGH
TPD	TOILET PAPER DISPENSER
TOL	TOLERANCE
T&G	TONGUE AND GROOVE
T&B	TOP AND BOTTOM
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOC	TOP OF CURB
TFF	TOP OF FINISH FLOOR
TO FDN	TOP OF FOUNDATION
TOF	TOP OF FRAME (ING)
TOJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET (TOP OF PAVEMENT)
TOS	TOP OF SLAB (TOP OF STEEL)
TOT	TOP OF TRUSS
TOPO	TOPOGRAPHY
TD	TOWEL DISPENSER
XFER	TRANSFER
XFMR	TRANSFORMER
TRANS	TRANSPARENT
T	TREAD
TRTD	TREATED
TD	TRENCH DRAIN
TN	TRUE NORTH
TS	TUBE STEEL
TRNBKL	TURNBUCKLE
TYP	TYPICAL

U - TERMS AND ABBREVIATIONS

UL	UNDERWRITERS LABORATORIES
UBC	UNIFORM BUILDING CODE
UFC	UNIFORM FIRE CODE
UMC	UNIFORM MECHANICAL CODE
UPC	UNIFORM PLUMBING CODE
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UR	URINAL
UTIL	UTILITY

V - TERMS AND ABBREVIATIONS

VAR	VARIATION (VERIFY) (VARIES)
VNR	VENEER
VP	VENEER PLASTER
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
VOLT	VOLTAGE

W - TERMS AND ABBREVIATIONS

WSCT	WAINSCOT
WCO	WALL CLEAN OUT
WC	WATER CLOSET
WH	WATER HEATER
WP	WATERPROOFING (WEATHERPROOF)
WS	WEATHERSTRIP
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
W	WEST
WDW	WINDOW
WGL	WIRE GLASS
W/	WITH
W/O	WITHOUT
WD	WOOD

DRAWING SYMBOLS LEGEND

DETAIL NUMBER / SHEET NUMBER — 1 / A101 SIM — WALL SECTION SYMBOL

DETAIL NUMBER / SHEET NUMBER — 1 / A101 SIM, 1 / A101 SIM — BUILDING SECTION SYMBOL

ELEV HEIGHT / DESCRIPTION — 0'-0" A.F.F. B.O. CEILING — ELEVATION HEIGHT SYMBOL

DETAIL NUMBER / SHEET NUMBER — 1 / A101 SIM — DETAIL CALLOUT

Room name
150 SF — AREA TAG

℄ — CENTER LINE

ELEVATION NUMBER / SHEET NUMBER — 1 / A101 / 1 — ELEVATION VIEW KEY

1 — REVISION TO DRAWING

101
Room name — SPACE NUMBER / ROOM NAME

1 — COLUMN REFERENCE DESIGNATION

11 — DOOR DESIGNATION

A — WINDOW DESIGNATION

1 — REVISION TO DRAWING

B12 — WALL TYPE DESIGNATION

F.02 — EQUIPMENT DESIGNATION

ALIGN — ALIGN ELEMENTS

GENERAL NOTES

1. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES AND SAFETY MEASURES OF THE WORK.
2. OWNER SHALL PAY ALL TAXES, SECURE ALL PERMITS AND PAY ALL FEES INCURRED IN THE COMPLETION OF THE PROJECT.
3. INSURANCE: WORKMEN'S COMPENSATION, AS REQUIRED BY LAW AND PUBLIC LIABILITY SHALL BE CARRIED BY THE CONTRACTOR.

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ISSUE RECORD

DESCRIPTION	DATE
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REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA · JOHN HENRIQUEZ · 27147 · M. ARCH · DALLAS, TEXAS · LICENSED ARCHITECT

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
A001

OCCUPANCY LEGEND

- ASSEMBLY (CHAIRS ONLY)
- ASSEMBLY (TABLES & CHAIRS)
- BUSINESS
- EXERCISE ROOM
- KITCHEN
- MECHANICAL
- RESTROOM / STAIR / CORRIDOR / UNOCCUPIED SPACE BELOW SLIDES
- STORAGE
- WAITING

TENANT SPACE CODE SUMMARY

CONSTRUCTION TYPE:	III-B, EXISTING
OCCUPANCY TYPE:	A-3 ASSEMBLY
FIRE SUPPRESSION:	FULLY SPRINKLERED - EXISTING

OCCUPANT LOAD			EGRESS WIDTH REQUIRED OLx.20" =			EGRESS WIDTH PROVIDED
LOCATION	AREA	OCCUPANT LOAD		EXITS REQUIRED	EXITS PROVIDED	
TOTAL	22,690 SF	522	104.4"	3	4	205"

PLUMBING FIXTURES	OCCUPANT LOAD	WATER CLOSETS		LAVATORIES	
OCCUPANCY	522 / 2 = 261	MALE	FEMALE	MALE	FEMALE
REQUIRED PLUMBING FIXTURES:		3	5	2	2
PROVIDED PLUMBING FIXTURES:		5*	5	3	3

TOTAL OCCUPANCY LOADS

OCCUPANTS ARE CALCULATED IN EACH INDIVIDUAL SPACE THEN ROUNDED UP.

OCCUPANCY TYPE	AREA	OCCUPANT LOAD FACTOR	OCCUPANTS
ASSEMBLY (TABLES & CHAIRS)	3,544 SF	15	243
BUSINESS	416 SF	150	3
EXERCISE ROOM	11,272 SF	50	226
KITCHEN	922 SF	200	5
RESTROOM / STAIR / CORRIDOR / UNOCCUPIED SPACE BELOW SLIDES	4,840 SF	0	0
STORAGE	1,537 SF	300	8
WAITING	180 SF	5	37
TOTALS	22,710 SF		522

OCCUPANCY LOADS GROUND

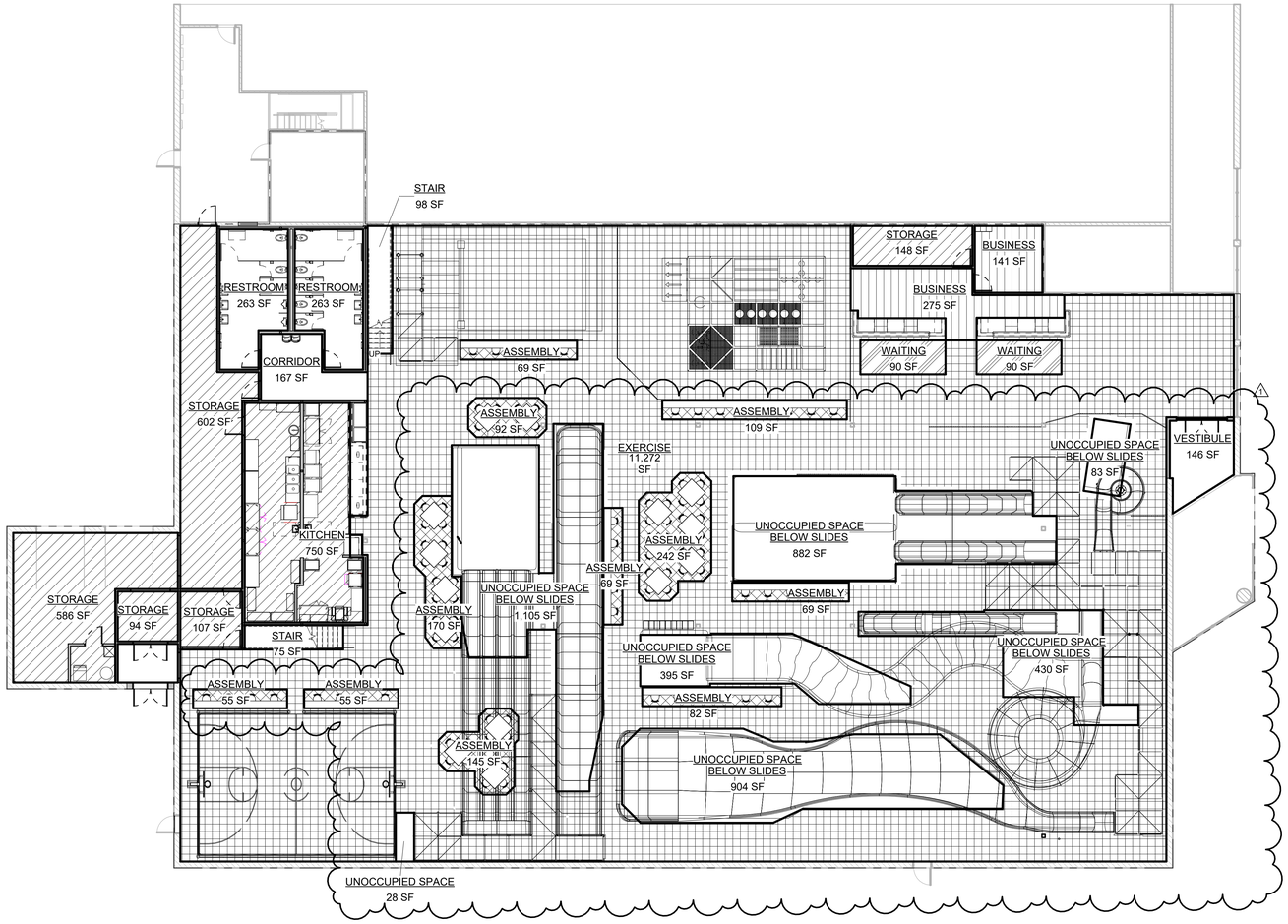
OCCUPANTS ARE CALCULATED IN EACH INDIVIDUAL SPACE THEN ROUNDED UP.

OCCUPANCY TYPE	AREA	OCCUPANT LOAD FACTOR	OCCUPANTS
ASSEMBLY (TABLES & CHAIRS)	1,158 SF	15	83
BUSINESS	416 SF	150	3
EXERCISE ROOM	11,272 SF	50	226
KITCHEN	750 SF	200	4
RESTROOM / STAIR / CORRIDOR / UNOCCUPIED SPACE BELOW SLIDES	4,840 SF	0	0
STORAGE	1,537 SF	300	8
WAITING	180 SF	5	37
TOTALS	20,153 SF		361

OCCUPANCY LOADS MEZZANINE

OCCUPANTS ARE CALCULATED IN EACH INDIVIDUAL SPACE THEN ROUNDED UP.

OCCUPANCY TYPE	AREA	OCCUPANT LOAD FACTOR	OCCUPANTS
ASSEMBLY (TABLES & CHAIRS)	2,386 SF	15	160
KITCHEN	171 SF	200	1
TOTALS	2,557 SF		161

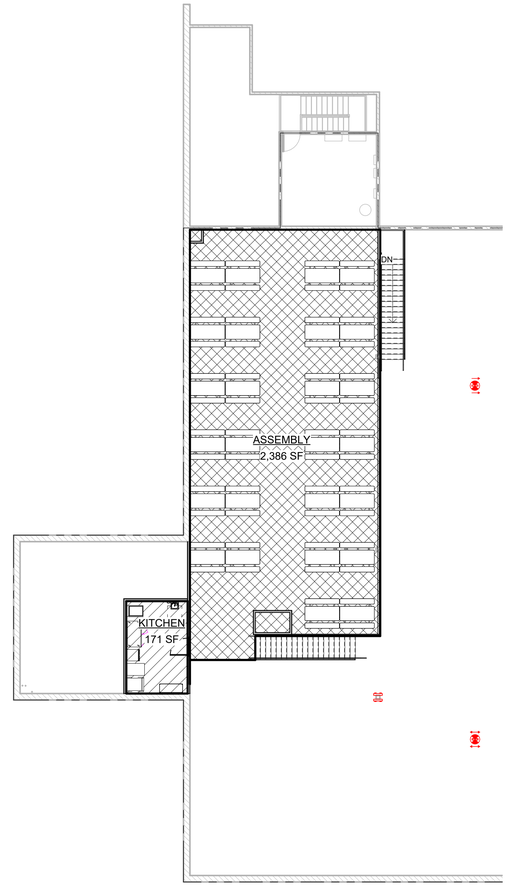


PLAN NORTH

N

1 OCCUPANCY PLAN

SCALE: 3/32" = 1'-0"



PLAN NORTH

N

2 OCCUPANCY PLAN - MEZZANINE

SCALE: 3/32" = 1'-0"

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PROFESSIONAL SEAL

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
OCCUPANCY PLANS

SHEET NUMBER
A002

TACTILE SIGNAGE:

A. WHEN SIGNS IDENTIFY A PERMANENT ROOM OR SPACE OF A BUILDING OR SITE, OR WHEN SIGNS DIRECT OR GIVE INFORMATION ABOUT A PERMANENT ROOM OR SPACE OF A BUILDING OR SITE, CORRESPONDING TACTILE SIGNAGE SHALL BE INSTALLED.

B. WHEN SIGNS IDENTIFY, OR GIVE INFORMATION ABOUT ACCESSIBLE ELEMENTS AND FEATURE OF A BUILDING OR SITE, THEY SHALL INCLUDE THE APPROPRIATE SYMBOL OF ACCESSIBILITY OR PICTOGRAM, WITH THE EQUIVALENT VISUAL AND TACTILE DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE BORDER OF THE PICTOGRAM SHALL BE MINIMUM 6" IN HEIGHT.

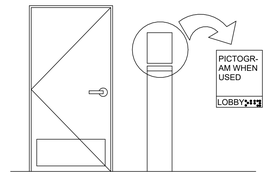
C. VISUAL CHARACTERS SHALL BE UPPERCASE, STANDARD SANS SERIF FONT. THE HEIGHT OF VISUAL CHARACTERS SHALL BE A MINIMUM 5/8" PLUS 1/8" PER FOOT OF VIEWING DISTANCE OVER SIX FEET. CHARACTER WIDTH SHALL BE 55% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE CHARACTER. CHARACTER STROKE WIDTH OF VISUAL ONLY CHARACTERS SHALL BE A MINIMUM OF 10% OF THE CHARACTER HEIGHT, AND A MAXIMUM OF 30%. TACTILE SIGNAGE DUPLICATING THE INFORMATION SHALL BE PROVIDED, EITHER AS PART OF THE VISUAL SIGN OR A SEPARATE TACTILE SIGN PROVIDED.

D. TACTILE CHARACTERS SHALL BE UPPERCASE, STANDARD SANS SERIF FONT, RAISED 1/32" OFF THE BACKGROUND. THE HEIGHT OF TACTILE CHARACTERS SHALL BE BETWEEN 5/8" AND 2". CHARACTER WIDTH SHALL BE 55% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE CHARACTER. CHARACTER STROKE WIDTH SHALL BE A MINIMUM OF 10% OF THE CHARACTER HEIGHT, AND A MAXIMUM OF 15%. CHARACTERS SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE.

E. GRADE 2 BRAILLE SHALL HAVE DOMED OR ROUNDED DOTS RAISED 1/40" OFF THE BACKGROUND, WITH DOTS SPACED 1/10" WITH-IN CELLS, AND 1/4" BETWEEN CELLS. (OR SPACED PER ANSI TABLE 703.3.1)

F. TACTILE SIGNS SHALL BE MOUNTED 48" MINIMUM, AND 60" MAXIMUM ABOVE THE FLOOR TO THE CENTERLINE OF THE SIGN. AN 18" X 18" CLEAR SPACE IS REQUIRED IN FRONT OF THE TACTILE SIGN, BEYOND THE ARC OF ANY DOOR SWING. WHERE SIGNS ARE MOUNTED AT DOORS, THE SIGN SHALL BE ON THE LATCH SIDE OF THE DOOR. WHERE SIGNS ARE MOUNTED AT DOUBLE DOORS, OR WHERE THERE IS NO WALL SPACE, THE SIGN SHALL BE MOUNTED ON THE NEAREST ADJACENT WALL, PREFERABLY THE RIGHT SIDE.

G. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND. CHARACTERS, SYMBOLS AND BACKGROUNDS SHALL HAVE A NON-GLARE FINISH.

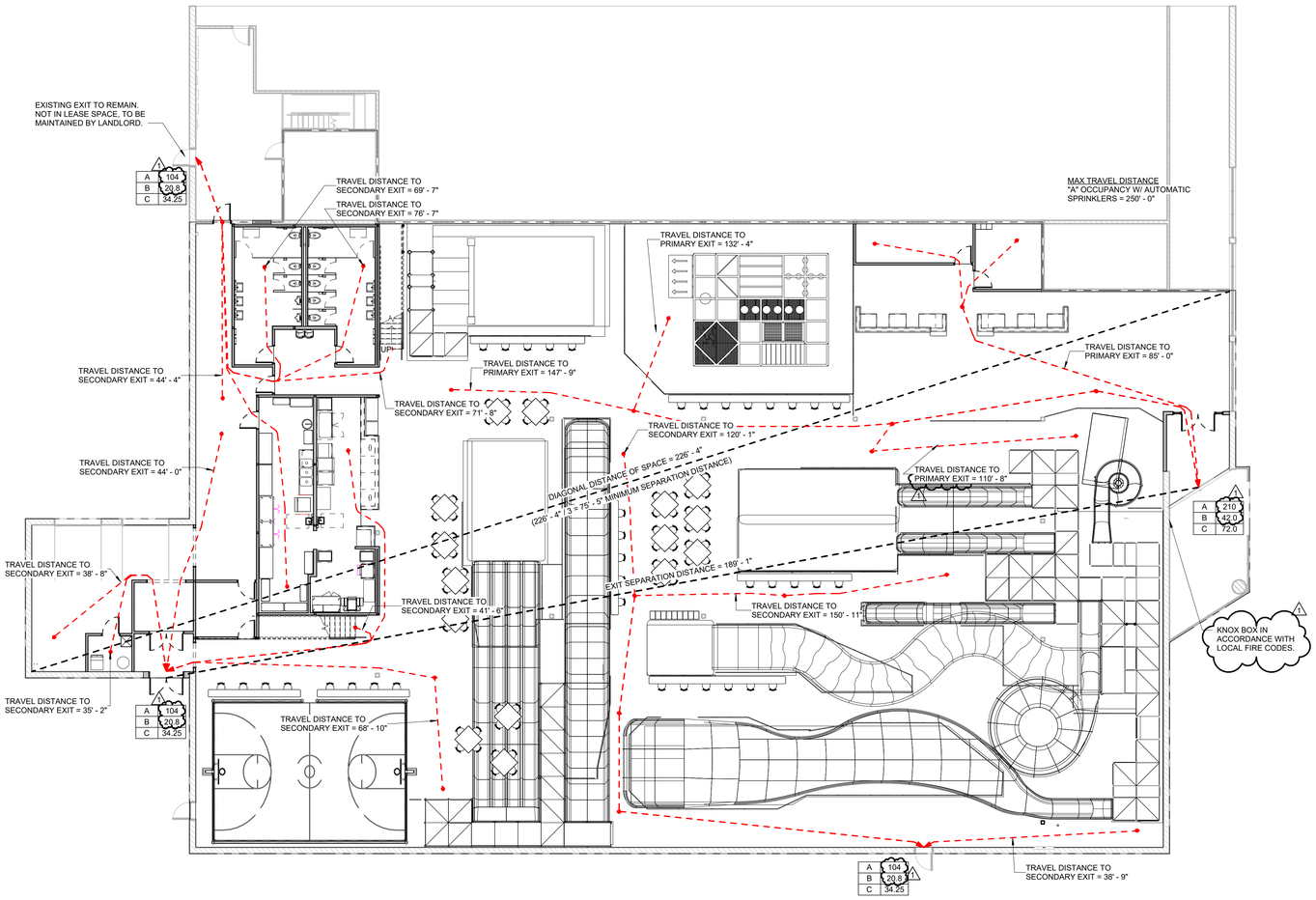


LIFE SAFETY GENERAL NOTES:

A. ALL EGRESS DOORS SHALL BE READILY OPERABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
B. PROVIDE SIGN ON OR NEAR THE MAIN EXIT DOOR READING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED"
C. REFER TO SHEET G002 FOR REQUIREMENTS ON TACTILE AND ACCESSIBILITY SIGNAGE
D. PROVIDE (1) ONE FIRE EXTINGUISHER FOR 3,000 S.F. AND VERIFY WITH LOCAL FIRE MARSHAL FOR TYPE & FINAL LOCATIONS PRIOR TO INSTALLATION.

EGRESS LEGEND

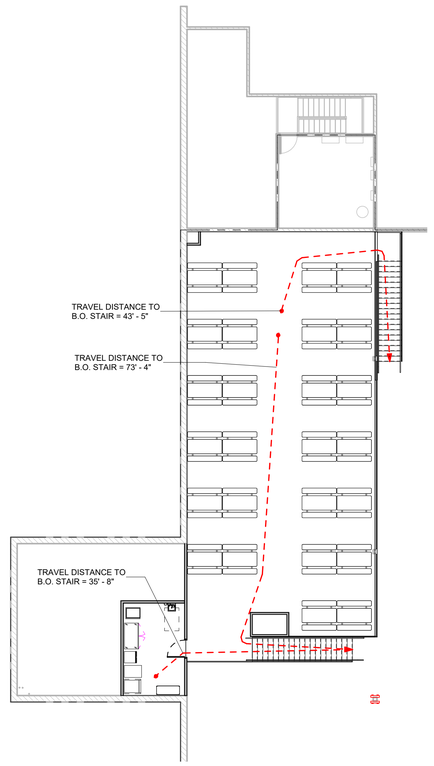
A	OCCUPANT LOAD AT THIS EXIT
B	REQUIRED EXIT WIDTH (0.2" PER OCCUPANT)
C	PROVIDED EXIT WIDTH



PLAN NORTH

N

1 LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"



2 LIFE SAFETY PLAN - MEZZANINE
SCALE: 3/32" = 1'-0"

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PROFESSIONAL SEAL

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06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
LIFE SAFETY PLANS

SHEET NUMBER
A003

WALL TYPES

NOTE:
ALL WALLS EXTENDING TO DECK TO UTILIZE A SLIP TRACK TO ALLOW FOR A MINIMUM OF 3/4" VERTICAL MOVEMENT. TRACKS AT U.L. WALLS TO HAVE CORRESPONDING U.L. CLASSIFICATION. TOP STUDS ARE NOT TO BE ATTACHED TO ROOF DECK. PROVIDE STEEL BRACING TO NEAREST TOP ROOF JOIST CHORD.

MARK	DESCRIPTION
B	3 5/8" METAL STUDS AT 16" O.C. TO DECK W/ 5/8" TYPE 'X' GYP BD EACH SIDE.
B1	3 5/8" METAL STUDS AT 16" O.C. TO BOTTOM OF MEZZANINE DECK W/ 5/8" TYPE 'X' GYP BD EACH SIDE.
B2	6" METAL STUDS AT 16" O.C. TO DECK W/ 5/8" TYPE 'X' GYP BD EACH SIDE.
B3	<varies>
B4	3 5/8" METAL STUDS AT 16" O.C. TO DECK W/ ONE LAYER OF 5/8" TILE BACKER BD ON ONE SIDE. REFER TO INTERIOR ELEVATIONS & DETAILS FOR HEIGHT. INSTALL 1 LAYER OF 5/8" TYPE 'X' GYP BD FROM TOP OF BACKER BOARD ON ONE SIDE.
B5	6" METAL STUDS AT 16" O.C. TO DECK W/ ONE LAYER OF 5/8" TILE BACKER BD ON ONE SIDE. REFER TO INTERIOR ELEVATIONS & DETAILS FOR HEIGHT. INSTALL 1 LAYER OF 5/8" TYPE 'X' GYP BD FROM TOP OF BACKER BOARD ON ONE SIDE.
B7	6" METAL STUDS AT 16" O.C. TO DECK W/ 5/8" TYPE 'X' GYP BD EACH SIDE.
C	3 5/8" METAL STUDS AT 16" O.C. TO DECK W/ 3 5/8" METAL FR DIAGONAL BRACING AT 48" OC MAX W/ ONE LAYER OF 5/8" TYPE 'X' GYP BD FROM FLOOR TO CEILING OR 6" ABOVE SUSPENDED CEILINGS ON EACH SIDE.

WALL TYPES

NOTE:
ALL WALLS EXTENDING TO DECK TO UTILIZE A SLIP TRACK TO ALLOW FOR A MINIMUM OF 3/4" VERTICAL MOVEMENT. TRACKS AT U.L. WALLS TO HAVE CORRESPONDING U.L. CLASSIFICATION. TOP STUDS ARE NOT TO BE ATTACHED TO ROOF DECK. PROVIDE STEEL BRACING TO NEAREST TOP ROOF JOIST CHORD.

MARK	DESCRIPTION
C4	3 5/8" METAL STUDS AT 16" O.C. TO DECK W/ ONE LAYER OF 5/8" TILE BACKER BD ON ONE SIDE. REFER TO INTERIOR ELEVATIONS & DETAILS FOR HEIGHT. INSTALL 1 LAYER OF 5/8" TYPE 'X' GYP BD FROM TOP OF BACKER BOARD TO CEILING OR 6" ABOVE SUSPENDED CEILINGS ON ONE SIDE.
D2	3 5/8" METAL STUDS W/ 5/8" TYPE 'X' GYP BD FROM FLOOR TO CEILING OR 6" ABOVE SUSPENDED CEILINGS ON ONE SIDE.

FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF FRAMING, UNLESS NOTED OTHERWISE.
2. INTERIOR 'HOLD' OR 'CLEAR' DIMENSIONS ARE FINISH DIMENSIONS.
3. ALL WALLS SHALL RECEIVE LEVEL 4 SMOOTH FINISH UNO, TO BE CONFIRMED BY CONSTRUCTION MANAGER.
4. ALL WALL BLOCKING, FURRING, & FRAMING TO BE FRT (FIRE RETARDANT TREATED) IN ACCORDANCE WITH AWPA STANDARDS.
5. PRESSURE TREATED WOOD IS TO BE USED AT ALL LOCATIONS WHERE WOOD IS IN CONTACT WITH MASONRY OR CONCRETE.
6. PROVIDE 5/8" FRT PLYWOOD WALL BLOCKING IN WALL/CEILING AT ALL A/V LOCATIONS. COORDINATE LENGTH & FINAL LOCATIONS W/ OWNERS REP & A/V VENDOR.
7. PROVIDE 2X FRT WOOD BLOCKING IN WALLS AT ALL WALL MOUNTED OR RECESSED EQUIPMENT (COUNTERS, SHELVING, GRAB BARS, LAVATORY COUNTERS, ETC.)
8. ALL MATERIALS TO MEET MINIMUM FLAME SPREAD RATING & SMOKE DEVELOPMENT REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
9. REFER TO A601 FOR DOOR TYPES.
10. REFER TO A211 - A216 FOR INTERIOR ELEVATIONS & FINISH SCHEDULES.
11. REFER TO MEP PLANS FOR MECHANICAL, ELECTRICAL, & PLUMBING DESIGN & DOCUMENTATION.
12. CLEARANCES AT DOOR LATCHES ARE TO BE MAINTAINED, 18" MIN AT PULL SIDE, 12" MIN AT PUSH SIDE.
13. ALL INTERIOR DOORS FRAMES SHALL BE SET AT 4" FROM ADJACENT PERPENDICULAR PARTITION, UNLESS OTHERWISE NOTED OR DIMENSIONED.
14. GC TO INSULATE BEHIND ALL PLUMBING/UTILITIES IN EXTERIOR WALLS (TYPICAL). PROVIDE UL LISTED INSULATION MATERIALS IN EXTERIOR/DEMISING WALL AFTER INSTALLING UTILITIES.
15. REFER TO ELECTRICAL DRAWINGS FOR OUTLET HEIGHTS. USE GFI OUTLETS WHERE REQUIRED BY CODE.
16. PROVIDE (1) FIRE EXTINGUISHER PER 3,000 SF UNLESS NOTED OTHERWISE. VERIFY WITH FIRE MARSHAL FOR TYPE & FINAL LOCATIONS PRIOR TO INSTALLATION.
17. GC SHALL BE RESPONSIBLE FOR COORDINATING DELIVERY OF ALL TENANT FURNISHED ITEMS WITH OWNER & TO NOTIFY THE SAME IMMEDIATELY OF ANY DELAYS OF A WEEK OR MORE IN THE CONSTRUCTION SCHEDULE.
18. GC SHALL RECEIVE, UNLOAD, & STORE ALL TENANT FURNISHED ITEMS & SHALL PROTECT THEM FROM DAMAGE & PILFERAGE.
19. CONTACT DELIVERY COMPANY FOR INSTRUCTIONS ON HANDLING DAMAGES INCURRED DURING SHIPMENT OF TENANT FURNISHED ITEMS.
20. EXTERIOR TO INTERIOR TRANSITIONS SHALL BE VERIFIED & CORRECTED IF REQUIRED FOR ADA COMPLIANCE.
21. GC SHALL BE RESPONSIBLE TO COORDINATE WITH ALL TRADES & VERIFY THAT ALL EQUIPMENT SHIPPED TO THE SITE IS COMPATIBLE WITH MECHANICAL, ELECTRICAL, & PLUMBING SYSTEMS PRIOR TO THE INSTALLATION OF SAID EQUIPMENT. IN THE EVENT ON ANY DISCREPANCIES, THE GC SHALL IMMEDIATELY CONTACT DESIGNER BEFORE PROCEEDING.
22. THE GC SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DRAWINGS, THESE NOTES & FIELD CONDITIONS BEFORE COMMENCING ANY WORK & REQUEST CLARIFICATION IN WRITING.
23. FINAL ROOM NAMES & SIGNAGE SHALL BE CONFIRMED BY THE OWNER PRIOR TO PURCHASE & INSTALLATION.
24. PROVIDE TACTILE SIGNAGE AT EACH DOOR TO AN EGRESS STAIRWAY, AN EXIT PASSAGEWAY, & ALL EXIT DISCHARGE POINTS.
25. MONITORS TO BE MOUNTED @ 84" AFF TO B.O. MONITOR U.N.O., REFER TO ELECTRICAL DRAWINGS FOR POWER & DATA.
26. REFER TO 21/A601 FOR TYPICAL CONCRETE TRENCH FILL DETAIL

WALL LEGEND

EXISTING WALL TO REMAIN

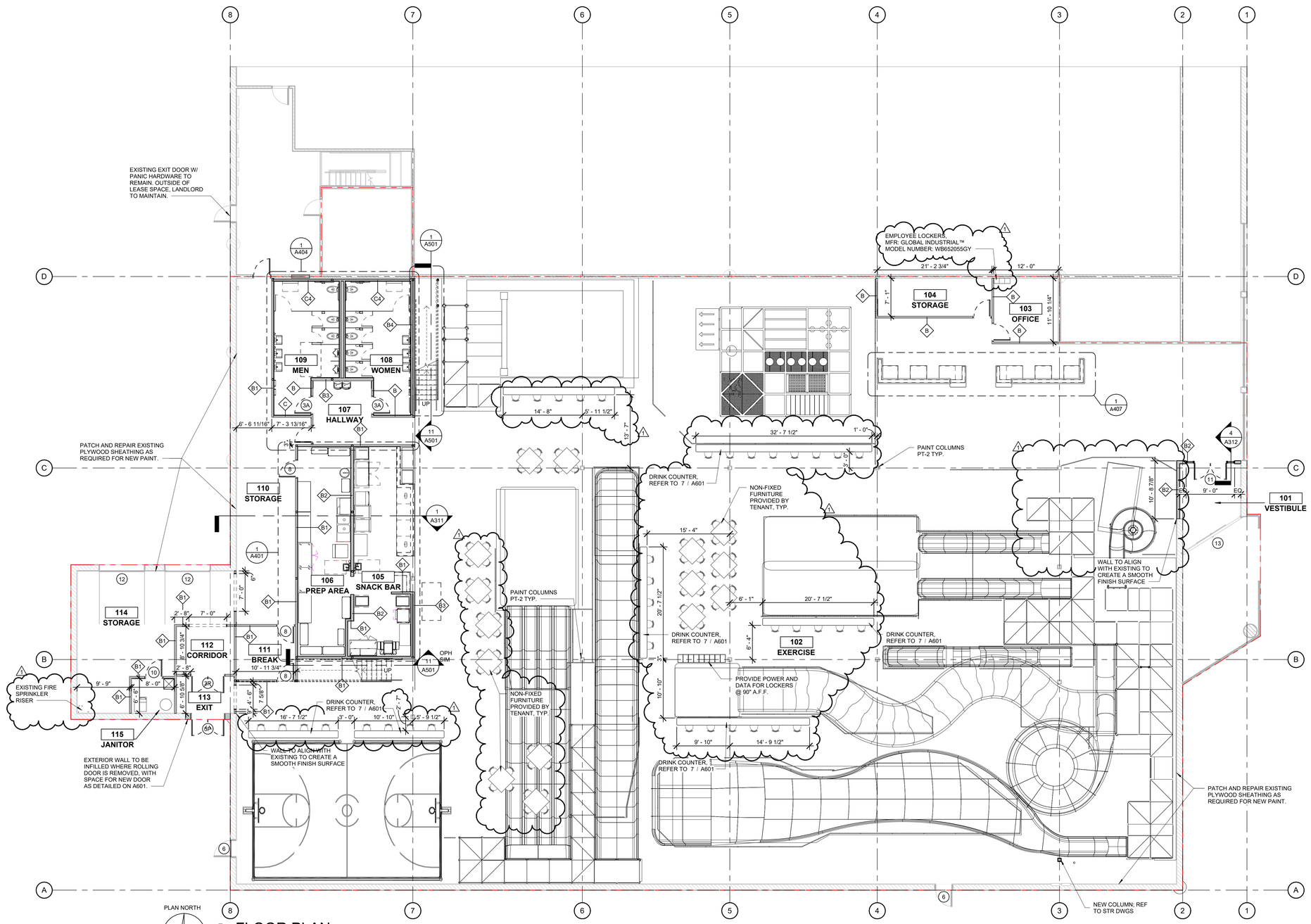
NEW WALL

LOW WALL

BID ALTERNATES

1. G.C. TO PROVIDE ALTERNATE COST FOR THE FOLLOWING: TOILET PARTITIONS – IN LIEU OF SPECIFIED "FULL HEIGHT – FLOOR TO CEILING PARTITION PILASTERS" - G.C. TO PROVIDE TRADITIONAL FLOOR MOUNTED 7'-0" HIGH TOILET PARTITIONS" IN ADDITION TO THIS IS THE ELIMINATION FOR THE NEED OF 2X6 FIRE TREATED WOOD BLOCKING TO BE INSTALLED ABOVE THE EXISTING GYP.BD. CEILING CENTERED ON TOILET PARTITION PILASTERS (SEE TOILET PARTITION NOTES ON THE RESTROOM ACCESSORIES SCHEDULE ON SHEET A404. THIS NUMBER SHOULD BE INCLUDED IN BID DOCUMENT AS A "DEDUCT ALTERNATE".

2. G.C. TO PROVIDE ALTERNATE COST FOR THE FOLLOWING: STAIR TREAD FINISH – IN LIEU OF SPECIFIED RUBBER TREADS AND RISERS AS NOTED ON DETAILS 1 / A501 & 11 / A501 – G.C. TO PROVIDE A CLEAR CONCRETE SEALER ON THE STAIR TREADS ONLY (RISER TO BE PAINTED BLACK TO MATCH STAIRS AND RAILINGS). THIS NUMBER SHOULD BE INCLUDED IN BID DOCUMENTS AS A "DEDUCT ALTERNATE".



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

Apogee
Architectural Partners
A Spirit Led Company
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ADDISON, TX 75001
PH: (469) 960-2322

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PROFESSIONAL SEAL

STATE OF OKLAHOMA · KEVIN HENRICKSON · REG. NO. 24736 · DALLAS, TEXAS · LICENSED ARCHITECT
06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
FLOOR PLAN

SHEET NUMBER
A101

WALL TYPES

NOTE:
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MARK	DESCRIPTION
B	3 5/8" METAL STUDS AT 16" O.C. TO DECK W/ 5/8" TYPE 'X' GYP BD EACH SIDE.
B1	3 5/8" METAL STUDS AT 16" O.C. TO BOTTOM OF MEZZANINE DECK W/ 5/8" TYPE 'X' GYP BD EACH SIDE.
B2	6" METAL STUDS AT 16" O.C. TO DECK W/ 5/8" TYPE 'X' GYP BD EACH SIDE.
B3	<varies>
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WALL TYPES

NOTE:
ALL WALLS EXTENDING TO DECK TO UTILIZE A SLIP TRACK TO ALLOW FOR A MINIMUM OF 3/4" VERTICAL MOVEMENT. TRACKS AT U.L. WALLS TO HAVE CORRESPONDING U.L. CLASSIFICATION. TOP STUDS ARE NOT TO BE ATTACHED TO ROOF DECK. PROVIDE STEEL BRACING TO NEAREST TOP ROOF JOIST CHORD.

MARK	DESCRIPTION
C4	3 5/8" METAL STUDS AT 16" O.C. TO DECK W/ ONE LAYER OF 5/8" TILE BACKER BD ON ONE SIDE. REFER TO INTERIOR ELEVATIONS & DETAILS FOR HEIGHT. INSTALL 1 LAYER OF 5/8" TYPE 'X' GYP BD FROM TOP OF BACKER BOARD TO CEILING OR 6" ABOVE SUSPENDED CEILINGS ON ONE SIDE.
D2	3 5/8" METAL STUDS W/ 5/8" TYPE 'X' GYP BD FROM FLOOR TO CEILING OR 6" ABOVE SUSPENDED CEILINGS ON ONE SIDE.

FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE TO FACE OF FRAMING, UNLESS NOTED OTHERWISE.
2. INTERIOR 'HOLD' OR 'CLEAR' DIMENSIONS ARE FINISH DIMENSIONS.
3. ALL WALLS SHALL RECEIVE LEVEL 4 SMOOTH FINISH UNO, TO BE CONFIRMED BY CONSTRUCTION MANAGER.
4. ALL WALL BLOCKING, FURRING, & FRAMING TO BE FRT (FIRE RETARDANT TREATED) IN ACCORDANCE WITH AWPA STANDARDS.
5. PRESSURE TREATED WOOD IS TO BE USED AT ALL LOCATIONS WHERE WOOD IS IN CONTACT WITH MASONRY OR CONCRETE.
6. PROVIDE 5/8" FRT PLYWOOD WALL BLOCKING IN WALL/CEILING AT ALL A/V LOCATIONS. COORDINATE LENGTH & FINAL LOCATIONS W/ OWNER'S REP & A/V VENDOR.
7. PROVIDE 2X FRT WOOD BLOCKING IN WALLS AT ALL WALL MOUNTED OR RECESSED EQUIPMENT (COUNTERS, SHELVING, GRAB BARS, LAVATORY COUNTERS, ETC.)
8. ALL MATERIALS TO MEET MINIMUM FLAME SPREAD RATING & SMOKE DEVELOPMENT REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
9. REFER TO A601 FOR DOOR TYPES.
10. REFER TO A211 - A216 FOR INTERIOR ELEVATIONS & FINISH SCHEDULES.
11. REFER TO MEP PLANS FOR MECHANICAL, ELECTRICAL, & PLUMBING DESIGN & DOCUMENTATION.
12. CLEARANCES AT DOOR LATCHES ARE TO BE MAINTAINED, 18" MIN AT PULL SIDE, 12" MIN AT PUSH SIDE.
13. ALL INTERIOR DOORS FRAMES SHALL BE SET AT 4" FROM ADJACENT PERPENDICULAR PARTITION, UNLESS OTHERWISE NOTED OR DIMENSIONED.
14. GC TO INSULATE BEHIND ALL PLUMBING/UTILITIES IN EXTERIOR WALLS (TYPICAL). PROVIDE UL LISTED INSULATION MATERIALS IN EXTERIOR/DEMISING WALL AFTER INSTALLING UTILITIES.
15. REFER TO ELECTRICAL DRAWINGS FOR OUTLET HEIGHTS. USE GFI OUTLETS WHERE REQUIRED BY CODE.
16. PROVIDE (1) FIRE EXTINGUISHER PER 3,000 SF UNLESS NOTED OTHERWISE. VERIFY WITH FIRE MARSHAL FOR TYPE & FINAL LOCATIONS PRIOR TO INSTALLATION.
17. GC SHALL BE RESPONSIBLE FOR COORDINATING DELIVERY OF ALL TENANT FURNISHED ITEMS WITH OWNER & TO NOTIFY THE SAME IMMEDIATELY OF ANY DELAYS OF A WEEK OR MORE IN THE CONSTRUCTION SCHEDULE.
18. GC SHALL RECEIVE, UNLOAD, & STORE ALL TENANT FURNISHED ITEMS & SHALL PROTECT THEM FROM DAMAGE & PILFERAGE.
19. CONTACT DELIVERY COMPANY FOR INSTRUCTIONS ON HANDLING DAMAGES INCURRED DURING SHIPMENT OF TENANT FURNISHED ITEMS.
20. EXTERIOR TO INTERIOR TRANSITIONS SHALL BE VERIFIED & CORRECTED IF REQUIRED FOR ADA COMPLIANCE.
21. GC SHALL BE RESPONSIBLE TO COORDINATE WITH ALL TRADES & VERIFY THAT ALL EQUIPMENT SHIPPED TO THE SITE IS COMPATIBLE WITH MECHANICAL, ELECTRICAL, & PLUMBING SYSTEMS PRIOR TO THE INSTALLATION OF SAID EQUIPMENT. IN THE EVENT ON ANY DISCREPANCIES, THE GC SHALL IMMEDIATELY CONTACT DESIGNER BEFORE PROCEEDING.
22. THE GC SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DRAWINGS, THESE NOTES & FIELD CONDITIONS BEFORE COMMENCING ANY WORK & REQUEST CLARIFICATION IN WRITING.
23. FINAL ROOM NAMES & SIGNAGE SHALL BE CONFIRMED BY THE OWNER PRIOR TO PURCHASE & INSTALLATION.
24. PROVIDE TACTILE SIGNAGE AT EACH DOOR TO AN EGRESS STAIRWAY, AN EXIT PASSAGEWAY, & ALL EXIT DISCHARGE POINTS.
25. MONITORS TO BE MOUNTED @ 84" AFF TO B.O. MONITOR U.N.O., REFER TO ELECTRICAL DRAWINGS FOR POWER & DATA.
26. REFER TO 21/A601 FOR TYPICAL CONCRETE TRENCH FILL DETAIL

WALL LEGEND

EXISTING WALL TO REMAIN

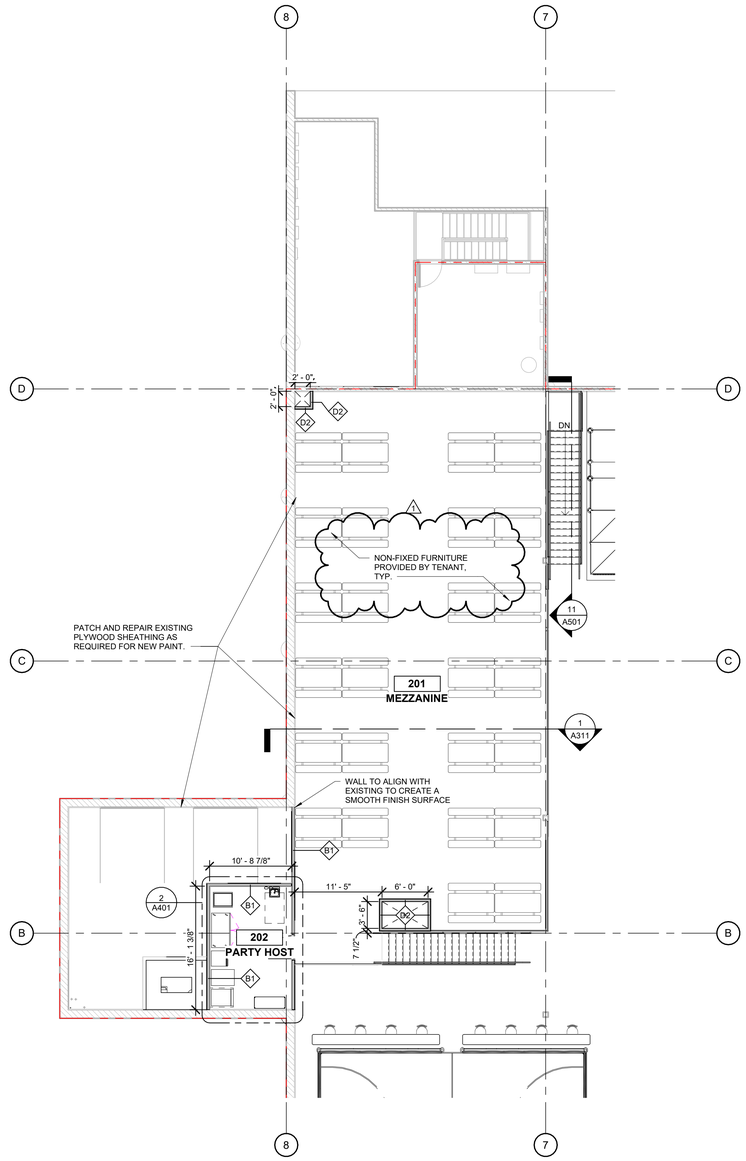
NEW WALL

LOW WALL

BID ALTERNATES

1. G.C. TO PROVIDE ALTERNATE COST FOR THE FOLLOWING: TOILET PARTITIONS – IN LIEU OF SPECIFIED "FULL HEIGHT – FLOOR TO CEILING PARTITION PILASTERS" - G.C. TO PROVIDE TRADITIONAL FLOOR MOUNTED 7'-0" HIGH TOILET PARTITIONS" IN ADDITION TO THIS IS THE ELIMINATION FOR THE NEED OF 2X6 FIRE TREATED WOOD BLOCKING TO BE INSTALLED ABOVE THE EXISTING GYP.BD. CEILING CENTERED ON TOILET PARTITION PILASTERS (SEE TOILET PARTITION NOTES ON THE RESTROOM ACCESSORIES SCHEDULE ON SHEET A404. THIS NUMBER SHOULD BE INCLUDED IN BID DOCUMENT AS A "DEDUCT ALTERNATE".

2. G.C. TO PROVIDE ALTERNATE COST FOR THE FOLLOWING: STAIR TREAD FINISH – IN LIEU OF SPECIFIED RUBBER TREADS AND RISERS AS NOTED ON DETAILS 1 / A501 & 11 / A501 – G.C. TO PROVIDE A CLEAR CONCRETE SEALER ON THE STAIR TREADS ONLY (RISER TO BE PAINTED BLACK TO MATCH STAIRS AND RAILINGS). THIS NUMBER SHOULD BE INCLUDED IN BID DOCUMENTS AS A "DEDUCT ALTERNATE".



PLAN NORTH

N

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

Apogee
Architectural Partners
A Spirit Led Company
16775 ADDISON ROAD, SUITE 500
ADDISON, TX 75001
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NO	DATE	REVISION
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PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICHSEN
NO. A4742
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

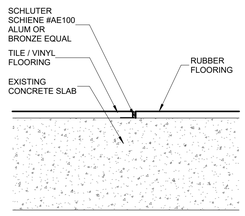
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

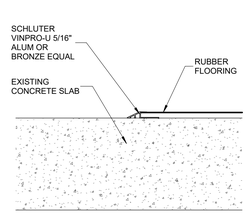
SHEET TITLE
FLOOR PLAN - MEZZANINE

SHEET NUMBER
A102



TILE / VINYL FLOOR TO RUBBER FLOOR

2 SCALE: 3" = 1'-0"



RUBBER FLOORING TO CONCRETE

3 SCALE: 3" = 1'-0"

FLOOR FINISH SCHEDULE

ALL FLOORING FURNISHED & INSTALLED BY GC

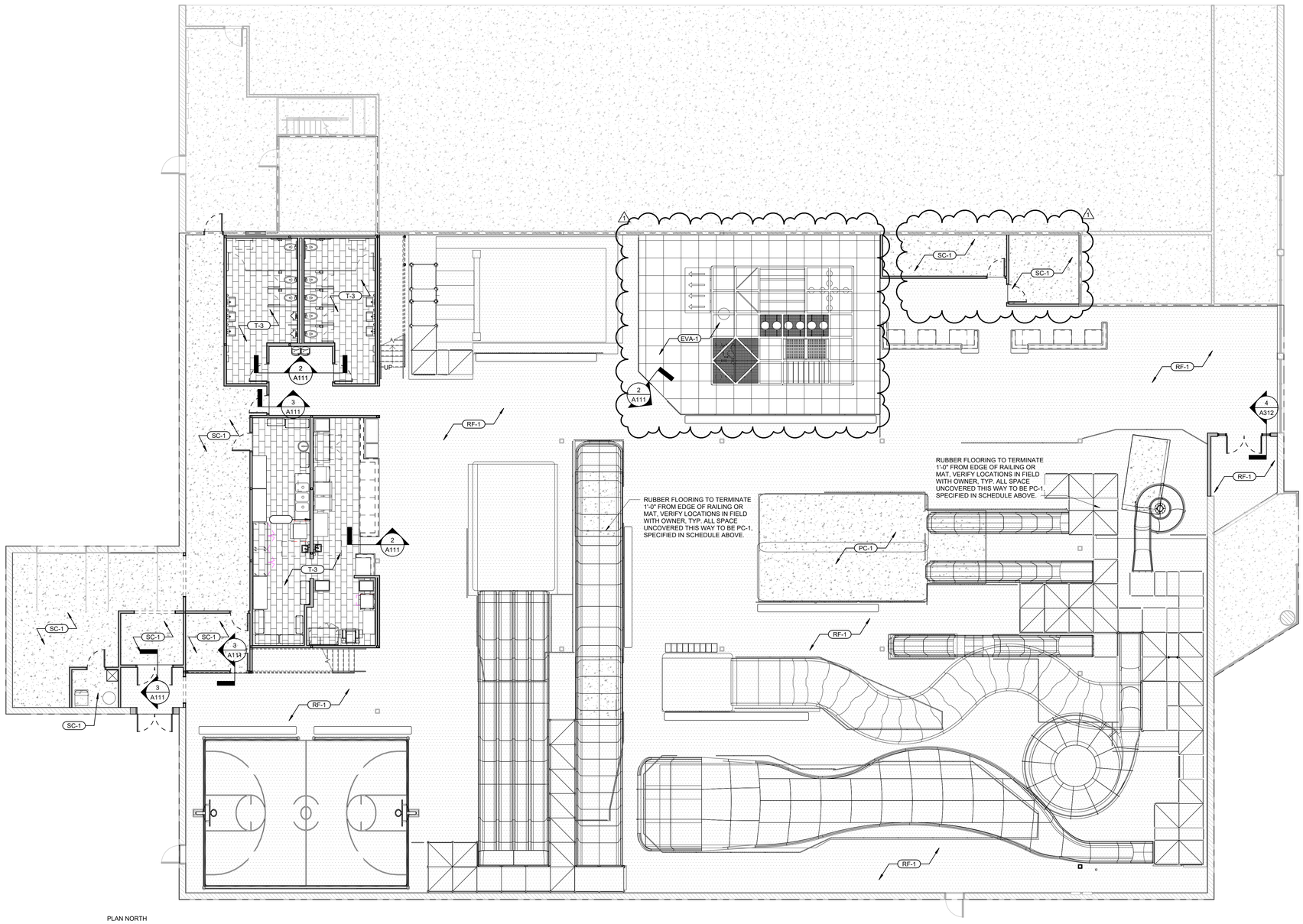
MARK	DESCRIPTION
FLOORING	
EVA-1	ENGINEERED INTERLOCKING TILE NOTES: PROVIDED BY OWNER, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
PC-1	PAINTED CONCRETE BLACK EPOXY PAINT
RF-1	6 MM THICK RUBBER FLOORING ADHESIVE MANUFACUTER: MAPEI PRODUCT: ULTRABOND ECO 980 RUBBER FLOOR SUPPLIED BY OWNER ADHESIVE BY GC, INSTALLED BY GC
SC-1	CLEAR CONCRETE SEALANT, INSTALL PER MANUFACTURER'S SPECIFICATIONS
T-3	MANUFACTURER: FLORIDA TILE PRODUCT #: NY2LA SIZE: 12"x24" NAME: RIVERSIDE STEEL GROUT MANUFACTURER MAPEI PRODUCT: UCP COLOR: 5002 PEWTER

FLOOR FINISH LEGEND

- PC-1 — PAINTED CONCRETE
- SC-1 — SEALED CONCRETE
- EVA-1 — ENGINEERED INTERLOCKING TILE
- T-3 — 12"x24" CERAMIC TILE
- RF-1 — 6 MIL RUBBER FLOORING

FLOOR FINISH PLAN GENERAL NOTES

1. OPENINGS OR TRENCHES IN CONCRETE FLOORS ARE TO BE SAW CUT OR CORE BORED.
2. CONCRETE PATCHES IN SLAB SHALL BE FILLED TO A DEPTH OF 20% GREATER THAN THE THICKNESS OF THE FLOOR FINISH TO HAVE A SMOOTH TROWEL FINISH & TO BE LEVEL WITH SURROUNDING SURFACES.
3. FINISHING TOLERANCES: FLAT, TRUE PLANE TO WITHIN 1/4" ON TEN FEET AS DETERMINED BY A STRAIGHT EDGE TEN FEET (10'-0") LONG PLACED ANYWHERE ON THE SLAB IN ANY DIRECTION.
4. AT ALL FLOOR SINK & FLOOR DRAIN LOCATIONS IN KITCHEN, NEW CONCRETE SLAB/ FINISHES TO BE SLOPED 1/4" MAX PER FOOT TO FLOOR DRAINS IN 4'-0" MIN. RADIUS, TYPICAL.
5. WATERPROOF MEMBRANE TO EXTEND 12" ACROSS FLOOR & 12" AFF UP WALL SNACK BAR SERVICE AREA. REFER TO PLAN. USE VULKEM 360NF OR APPROVED EQUAL.
6. WATERPROOF MEMBRANE MUST BE INSPECTED & APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF FINISHES.
7. TILE ADHESIVE: EPOXY GROUT FOR ALL FLOORS & CEMENTITIOUS GROUT FOR WALLS.
8. FLOOR FINISH TRANSITIONS TO OCCUR AT CENTER OF DOOR OPENING UNLESS NOTED OTHERWISE.
9. 5/8" GLASS-MAT WATER RESISTANT BACKER BOARD AT WET WALLS MIN. TO BE 4'-0" IN EACH DIRECTION.
10. ALL WALLS SHALL RECEIVE (1) COAT OF PRIMER PAINT AND (2) COATS OF SPECIFIED PAINT. FINISH COAT TO BE APPLIED WITH A ROLLER.
11. ALL JOINTS BETWEEN MATERIALS TO BE TIGHT AND CONSTRUCTED IN A NEAT, WORKMANLIKE MANNER.
12. USE A BLACK VINYL TRANSITION AT FLOOR FINISH CHANGES.
13. SURFACES IN ACCORDANCE WITH SPECIFIC MANUFACTURER'S REQUIREMENTS.
14. FLOORING CONTRACTOR TO REVIEW ALL INSTALLATION CONDITIONS WITH GENERAL CONTRACTOR BEFORE BEGINNING INSTALLATION.
15. ALL COLOR SAMPLES TO BE SUBMITTED TO OWNER FOR APPROVAL.
16. PREP FLOORS WITH THINSET AS REQUIRED TO CREATE A FLUSH TRANSITION BETWEEN FLOORING SURFACE MATERIALS. ALL THRESHOLDS TO MEET ADA REQUIREMENTS.
17. ALL RECEPTACLES AND SWITCHES TO BE ALMOND, EXCEPT AS NOTED IN ELECTRICAL DRAWINGS.
18. ALL SUBSTITUTES MUST BE APPROVED BY OWNER AND BE OF EQUAL QUALITY.
19. ALL INTERIOR WALL AND CEILING FINISHES TO COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS FOR FLAME SPREAD AND SMOKE DEVELOPMENT RATING.
20. GENERAL CONTRACTOR TO PROVIDE AND INSTALL ALL GROMMETS. COORDINATE LOCATIONS AND COLORS WITH OWNER. ALL GROMMET HOLES SHALL BE DRILLED BY THE CASEWORK FABRICATOR ONLY. PROVIDE GROMMET COVER PLATE AT ALL GROMMET HOLES.
21. ALL EXPOSED TRAPS, WATER LINES AND OTHER MISCELLANEOUS PLUMBING EQUIPMENT UNDER LAVATORIES SHALL BE COVERED OR PROTECTED.
22. FINISH FLOORING APPLICATION SHALL BE IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES.
23. THE PAINT CONTRACTOR SHALL REMOVE ALL HARDWARE, SWITCH COVERS, ETC. PRIOR TO PAINTING AND BE RESPONSIBLE FOR THE REINSTALLATION AFTER PAINTING IS COMPLETED.
24. ALL FINISHES SHALL BE TOUCHED UP TO CORRECT ANY IMPERFECTIONS AFTER INSTALLATION.
25. THE FLOORING SUB-CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE CONDITION OF THE BASE FLOOR MEETS THE INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF THE NEW FLOORING MATERIAL.
26. REFER TO THE INTERIOR ELEVATIONS FOR MORE FINISH INFORMATION.



PLAN NORTH

N

1 FLOOR FINISH PLAN

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

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PROFESSIONAL SEAL

STATE OF OKLAHOMA · KEVIN HENRICKSON · REG. NO. 24732 · DALLAS, TEXAS · LICENSED ARCHITECT

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
FLOOR FINISH PLAN

SHEET NUMBER
A111

FLOOR FINISH SCHEDULE

ALL FLOORING FURNISHED & INSTALLED BY GC

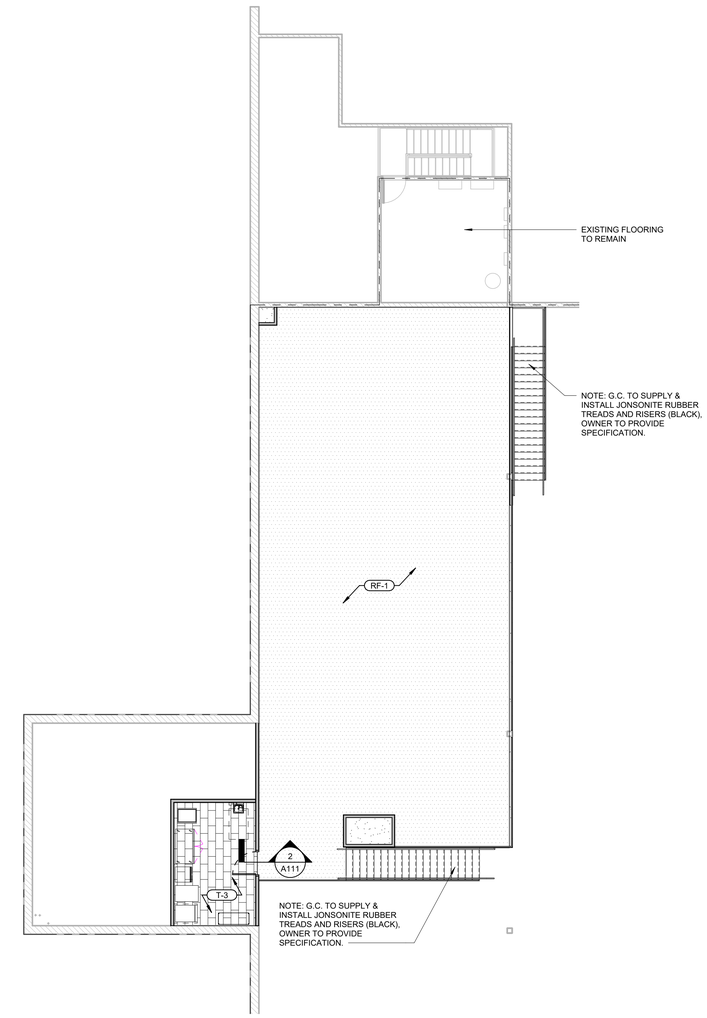
MARK	DESCRIPTION
FLOORING	
EVA-1	ENGINEERED INTERLOCKING TILE NOTES: PROVIDED BY OWNER, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
PC-1	PAINTED CONCRETE BLACK EPOXY PAINT
RF-1	6 MM THICK RUBBER FLOORING ADHESIVE MANUFACUTER: MAPEI PRODUCT: ULTRABOND ECO 980 RUBBER FLOOR SUPPLIED BY OWNER ADHESIVE BY GC, INSTALLED BY GC
SC-1	PAINTED CONCRETE BLACK EPOXY PAINT
T-3	MANUFACTURER: FLORIDA TILE PRODUCT #: NY2LA SIZE: 12"x24" NAME: RIVERSIDE STEEL GROUT MANUFACTURER MAPEI PRODUCT: UCP COLOR: 5002 PEWTER

FLOOR FINISH LEGEND

- PC-1 — PAINTED CONCRETE
- SC-1 — SEALED CONCRETE
- EVA-1 — ENGINEERED INTERLOCKING TILE
- T-3 — 12"x24" CERAMIC TILE
- RF-1 — 6 MIL RUBBER FLOORING

FLOOR FINISH PLAN GENERAL NOTES

1. OPENINGS OR TRENCHES IN CONCRETE FLOORS ARE TO BE SAW CUT OR CORE BORED.
2. CONCRETE PATCHES IN SLAB SHALL BE FILLED TO A DEPTH OF 20% GREATER THAN THE THICKNESS OF THE FLOOR FINISH TO HAVE A SMOOTH TROWEL FINISH & TO BE LEVEL WITH SURROUNDING SURFACES.
3. FINISHING TOLERANCES: FLAT, TRUE PLANE TO WITHIN 1/4" ON TEN FEET AS DETERMINED BY A STRAIGHT EDGE TEN FEET (10'-0") LONG PLACED ANYWHERE ON THE SLAB IN ANY DIRECTION.
4. AT ALL FLOOR SINK & FLOOR DRAIN LOCATIONS IN KITCHEN, NEW CONCRETE SLAB/ FINISHES TO BE SLOPED 1/4" MAX PER FOOT TO FLOOR DRAINS IN 4'-0" MIN. RADIUS, TYPICAL.
5. WATERPROOF MEMBRANE TO EXTEND 12" ACROSS FLOOR & 12" AFF UP WALL SNACK BAR SERVICE AREA. REFER TO PLAN. USE VULKEM 360NF OR APPROVED EQUAL.
6. WATERPROOF MEMBRANE MUST BE INSPECTED & APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF FINISHES.
7. TILE ADHESIVE: EPOXY GROUT FOR ALL FLOORS & CEMENTITIOUS GROUT FOR WALLS.
8. FLOOR FINISH TRANSITIONS TO OCCUR AT CENTER OF DOOR OPENING UNLESS NOTED OTHERWISE.
9. 5/8" GLASS-MAT WATER RESISTANT BACKER BOARD AT WET WALLS MIN. TO BE 4'-0" IN EACH DIRECTION.
10. ALL WALLS SHALL RECEIVE (1) COAT OF PRIMER PAINT AND (2) COATS OF SPECIFIED PAINT. FINISH COAT TO BE APPLIED WITH A ROLLER.
11. ALL JOINTS BETWEEN MATERIALS TO BE TIGHT AND CONSTRUCTED IN A NEAT, WORKMANLIKE MANNER.
12. USE A BLACK VINYL TRANSITION AT FLOOR FINISH CHANGES.
13. SURFACES IN ACCORDANCE WITH SPECIFIC MANUFACTURER'S REQUIREMENTS.
14. FLOORING CONTRACTOR TO REVIEW ALL INSTALLATION CONDITIONS WITH GENERAL CONTRACTOR BEFORE BEGINNING INSTALLATION.
15. ALL COLOR SAMPLES TO BE SUBMITTED TO OWNER FOR APPROVAL.
16. PREP FLOORS WITH THINSET AS REQUIRED TO CREATE A FLUSH TRANSITION BETWEEN FLOORING SURFACE MATERIALS. ALL THRESHOLDS TO MEET ADA REQUIREMENTS.
17. ALL RECEPTACLES AND SWITCHES TO BE ALMOND, EXCEPT AS NOTED IN ELECTRICAL DRAWINGS.
18. ALL SUBSTITUTES MUST BE APPROVED BY OWNER AND BE OF EQUAL QUALITY.
19. ALL INTERIOR WALL AND CEILING FINISHES TO COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS FOR FLAME SPREAD AND SMOKE DEVELOPMENT RATING.
20. GENERAL CONTRACTOR TO PROVIDE AND INSTALL ALL GROMMETS. COORDINATE LOCATIONS AND COLORS WITH OWNER. ALL GROMMET HOLES SHALL BE DRILLED BY THE CASEWORK FABRICATOR ONLY. PROVIDE GROMMET COVER PLATE AT ALL GROMMET HOLES.
21. ALL EXPOSED TRAPS, WATER LINES AND OTHER MISCELLANEOUS PLUMBING EQUIPMENT UNDER LAVATORIES SHALL BE COVERED OR PROTECTED.
22. FINISH FLOORING APPLICATION SHALL BE IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES.
23. THE PAINT CONTRACTOR SHALL REMOVE ALL HARDWARE, SWITCH COVERS, ETC. PRIOR TO PAINTING AND BE RESPONSIBLE FOR THE REINSTALLATION AFTER PAINTING IS COMPLETED.
24. ALL FINISHES SHALL BE TOUCHED UP TO CORRECT ANY IMPERFECTIONS AFTER INSTALLATION.
25. THE FLOORING SUB-CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE CONDITION OF THE BASE FLOOR MEETS THE INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF THE NEW FLOORING MATERIAL.
26. REFER TO THE INTERIOR ELEVATIONS FOR MORE FINISH INFORMATION.



PLAN NORTH

N

1 FLOOR FINISH PLAN - MEZZANINE

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

Apogee
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NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA · KEVIN HENRICKSON · REG. NO. 24736 · DALLAS, TEXAS · LICENSED ARCHITECT

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
FLOOR FINISH PLAN - MEZZANINE

SHEET NUMBER
A112

CEILING FINISH SCHEDULE	
MARK	DESCRIPTION
CEILINGS	
ACT-1	2'x4' ARMSTRONG FINE FISSURED #1729 LAY-IN CEILING PANELS W/ PRELUDE ML 15/16" GRID SYSTEM COLOR: WHITE GRID: WHITE OR APPROVED EQUAL
ACT-2	2'x4' ARMSTRONG SUSPENDED VINYL FACED GYP. BD. W/ T-BAR GRID AT KITCHEN AREAS OR PROVIDE EQUAL USG PRODUCT
GYP-1	GYPSUM WALLBOARD PAINT WHITE WITH SEMI-GLOSS FINISH

CEILING LEGEND

ACT-1: 2x4 SUSPENDED CEILING TILE

ACT-2: 2x4 SUSPENDED VINYL FACED GYP BD

GYP-1: GYPSUM WALLBOARD PAINT WHITE WITH SEMI-GLOSS FINISH

REFLECTED CEILING PLAN NOTES

1. STUDY & COMPARE THE REFLECTED CEILING PLANS WITH THE MECH & ELEC DRAWINGS FOR LUMINARIES, DIFFUSERS, & GRILLES. REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY, OR OMISSION DISCOVERED.
2. IN THE EVENT OF INCONSISTENCIES BETWEEN ARCHITECTURAL & CONSULTANT PLANS, THE ARCHITECTURAL SHEET SHALL TAKE PRECEDENCE. REPORT DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
3. VERIFY & PROVIDE ACCESS PANELS OF APPROPRIATE SIZE & TYPE ARE INSTALLED IN GYPSUM BOARD CEILINGS/ SOFFITS OR ANY OTHER NON-ACCESSIBLE TYPE CEILINGS OR SOFFITS WHERE ACCESS, SERVICE OR ADJUSTMENT TO MEP ITEMS MAY BE REQUIRED.
4. ALL DIFFUSERS & ACCESS PANELS TO MATCH ADJACENT CEILING SURFACE. CONFIRM FINAL SELECTIONS WITH OWNER/ARCHITECT.
5. SPRINKLER HEADS, DIFFUSERS, INCANDESCENT LUMINARIES, & OTHER SURFACE-MOUNTED OR RECESSED CEILING ITEMS SHALL BE LOCATED IN THE CENTER OF THE CEILING PANELS, UNLESS NOTED OTHERWISE
6. SEE MECHANICAL & ELECTRICAL DWGS FOR INFO & SPEC CONCERNING FIXTURES SHOWN ON THIS PLAN.
7. ANY LIGHT NOT DIMENSIONALLY LOCATED TO BE CENTERED IN THE CEILING TILE, CEILING AREA, OR ROOM AS APPLICABLE. ALL "CAN" TYPE FIXTURES TO BE MOUNTED IN THE CENTER OF THE CEILING TILES UNLESS NOTED OTHERWISE.
8. NEW FIRE ALARM SYSTEM TO BE INSTALLED PER NEW CONFIGURATION REQUIREMENTS & TO COMPLY WITH ALL LOCAL CODES & BUILDING REQUIREMENTS.
9. ALL PENDANT & HIGH-BAY LIGHT FIXTURES TO BE SUSPENDED FROM ALLTHREAD & UNISTRUT AT 12" BELOW BOTTOM OF ROOF JOISTS U.N.O.. EXPOSED ALLTHREAD & UNISTRUT TO BE PAINTED BLACK.
10. COORDINATE WITH OWNER'S VENDOR/REP FOR SECURITY SYSTEM REQUIREMENTS.
11. CENTER ACOUSTIC CEILING SYSTEM GRID WITHIN EACH ROOM, UNLESS NOTED OTHERWISE.
12. NO CUT TILES LESS THAN 3".
13. SEE MECHANICAL AND ELECTRICAL SHEETS FOR HVAC DEVICE AND LIGHT FIXTURE SPECIFICATIONS.
14. CONCEALED INSULATION TO HAVE A FLAME SPREAD RATING OF 25 OR LESS & A SMOKE DEVELOPMENT RATING OF 450 OR LESS PER IBC 720.2
15. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE IN COMPLIANCE WITH THE APPLICABLE REQUIREMENTS IN SECTIONS 602.3.1 THROUGH 602.3.10 PER IMC 602.3.
16. SEE ELECTRICAL DRAWINGS FOR SWITCHING AND CIRCUIT INFORMATION.
17. COORDINATE FINAL LIGHTING FIXTURE AND HVAC DEVICE LOCATION WITH ELECTRICAL AND MECHANICAL DRAWINGS.
18. ALL CEILING HEIGHTS AND MATERIALS EXISTING & NEW TO BE VERIFIED IN THE FIELD BY THE G.C.

FIRE SPRINKLER NOTE
FIRE SPRINKLERS ARE A DEFERRED SUBMITTAL. FIRE SPRINKLER CONTRACTOR TO PROVIDE CAGES ABOVE ALL SPORT COURTS, I.E. BASKETBALL & DODGEBALL, ETC. SPRINKLER CONTRACTOR TO COORDINATE W/ OWNER FOR ADDITIONAL CAGE LOCATIONS.

LIGHT FIXTURE LEGEND

- L2 RECESSED CAN DOWNLIGHT
  MANUFACTURER: HALO
  MODEL: LTC608FS5B
- L3 6" SHALLOW CYLINDER LED
  MANUFACTURER: PORTFOLIO
  MODEL #: LER56C-30-D010-ECA6C-3035-9730-6LB-SC3-SMRCC6P
- L4 2x4 RECESSED LED FLAT PANEL
  MANUFACTURER: METALUX
  MODEL #: 24CGT4540C
  PROVIDE "EW10LCP" FOR EMERGENCY FIXTURES
- L5 2x4 RECESSED LED FLAT PANEL
  MANUFACTURER: METALUX
  MODEL #: 24CGT5540C
  PROVIDE "EW10LCP" FOR EMERGENCY FIXTURES
- L6 SUSPENDED HIGH-BAY LIGHT FIXTURE
  MANUFACTURER: METALUX
  MODEL #: LHBS-1824-UNV-L84050-U
- L7 2x4 LED TROFFER
  MANUFACTURER: METALUX
  MODEL: 24GR-S4-G-2-LD5-4200-F1-UNV-L840-CD
  PROVIDE SUSPENDED MOUNTING KIT
- COM EMERGENCY EGRESS EXIT SIGN COMBO
  MANUFACTURER: SURELITES
  MODEL: APC7RG
- E1 LED EMERGENCY EGRESS
  MANUFACTURER: SURELITES
  MODEL: APEL
- E2 EXIT SIGN (DIRECTIONAL)
  MANUFACTURER: SURELITES
  MODEL: APX7RG
- E3 EXTERIOR EMERGENCY EGRESS
  MANUFACTURER: SURELITES
  MODEL: APX7RG

1 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

Apogee
Architectural Partners
A Spirit Led Company
16775 ADDISON ROAD, SUITE 500
ADDISON, TX 75001
PH: (469) 960-2322

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSON
NO. A4782
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
REFLECTED CEILING PLAN

SHEET NUMBER
A131

CEILING FINISH SCHEDULE

MARK	DESCRIPTION
CEILINGS	
ACT-1	2'x4' ARMSTRONG FINE FISSURED #1729 LAY-IN CEILING PANELS W/ PRELUDE ML 15/16" GRID SYSTEM COLOR: WHITE GRID: WHITE OR APPROVED EQUAL
ACT-2	2'x4' ARMSTRONG SUSPENDED VINYL FACED GYP. BD. W/ T-BAR GRID AT KITCHEN AREAS OR PROVIDE EQUAL USG PRODUCT
GYP-1	GYPSUM WALLBOARD PAINT WHITE WITH SEMI-GLOSS FINISH

CEILING LEGEND

ACT-1: 2x4 SUSPENDED CEILING TILE

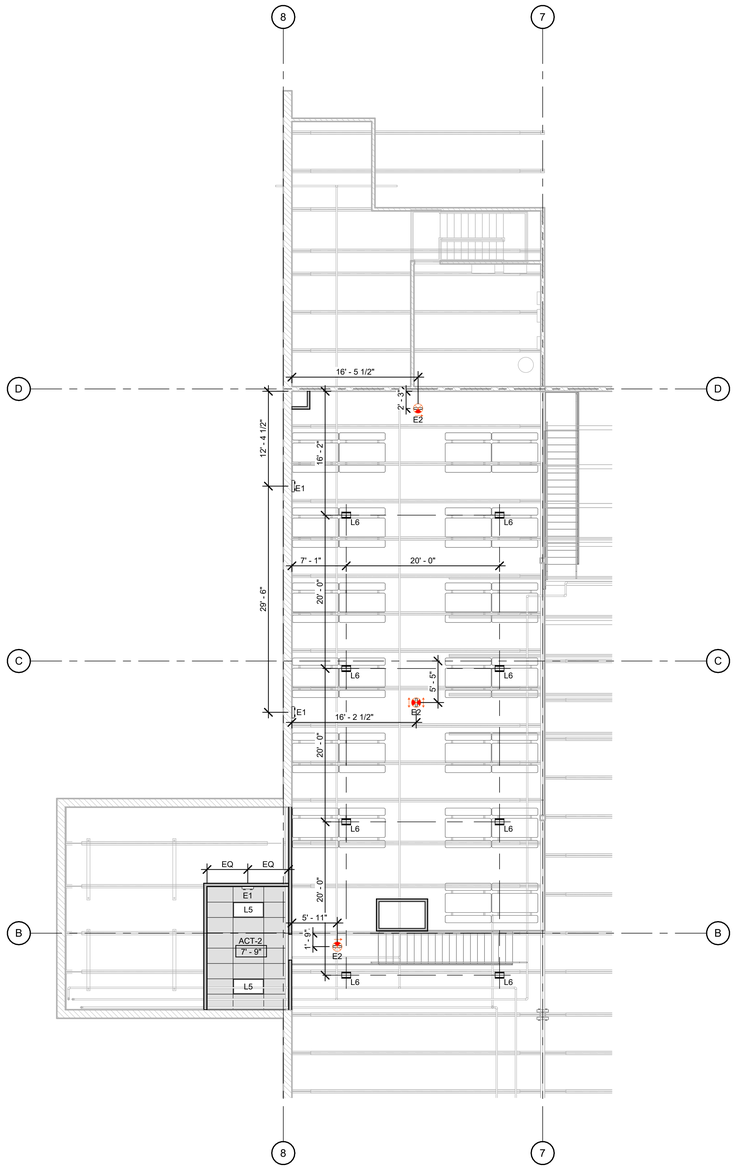
ACT-2: 2x4 SUSPENDED VINYL FACED GYP BD

GYP-1: GYPSUM WALLBOARD PAINT WHITE WITH SEMI-GLOSS FINISH

REFLECTED CEILING PLAN NOTES

1. STUDY & COMPARE THE REFLECTED CEILING PLANS WITH THE MECH & ELEC DRAWINGS FOR LUMINARIES, DIFFUSERS, & GRILLES. REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY, OR OMISSION DISCOVERED.
2. IN THE EVENT OF INCONSISTENCIES BETWEEN ARCHITECTURAL & CONSULTANT PLANS, THE ARCHITECTURAL SHEET SHALL TAKE PRECEDENCE. REPORT DISCREPANCIES PRIOR TO PROCEEDING WITH AFFECTED WORK.
3. VERIFY & PROVIDE ACCESS PANELS OF APPROPRIATE SIZE & TYPE ARE INSTALLED IN GYPSUM BOARD CEILINGS/ SOFFITS OR ANY OTHER NON-ACCESSIBLE TYPE CEILINGS OR SOFFITS WHERE ACCESS, SERVICE OR ADJUSTMENT TO MEP ITEMS MAY BE REQUIRED.
4. ALL DIFFUSERS & ACCESS PANELS TO MATCH ADJACENT CEILING SURFACE. CONFIRM FINAL SELECTIONS WITH OWNER/ARCHITECT.
5. SPRINKLER HEADS, DIFFUSERS, INCANDESCENT LUMINARIES, & OTHER SURFACE-MOUNTED OR RECESSED CEILING ITEMS SHALL BE LOCATED IN THE CENTER OF THE CEILING PANELS, UNLESS NOTED OTHERWISE
6. SEE MECHANICAL & ELECTRICAL DWGS FOR INFO & SPEC CONCERNING FIXTURES SHOWN ON THIS PLAN.
7. ANY LIGHT NOT DIMENSIONALLY LOCATED TO BE CENTERED IN THE CEILING TILE, CEILING AREA, OR ROOM AS APPLICABLE. ALL "CAN" TYPE FIXTURES TO BE MOUNTED IN THE CENTER OF THE CEILING TILES UNLESS NOTED OTHERWISE.
8. NEW FIRE ALARM SYSTEM TO BE INSTALLED PER NEW CONFIGURATION REQUIREMENTS & TO COMPLY WITH ALL LOCAL CODES & BUILDING REQUIREMENTS.
9. ALL PENDANT & HIGH-BAY LIGHT FIXTURES TO BE SUSPENDED FROM ALLTHREAD & UNISTRUT AT 12" BELOW BOTTOM OF ROOF JOISTS U.N.O.. EXPOSED ALLTHREAD & UNISTRUT TO BE PAINTED BLACK.
10. COORDINATE WITH OWNER'S VENDOR/REP FOR SECURITY SYSTEM REQUIREMENTS.
11. CENTER ACOUSTIC CEILING SYSTEM GRID WITHIN EACH ROOM, UNLESS NOTED OTHERWISE.
12. NO CUT TILES LESS THAN 3".
13. SEE MECHANICAL AND ELECTRICAL SHEETS FOR HVAC DEVICE AND LIGHT FIXTURE SPECIFICATIONS.
14. CONCEALED INSULATION TO HAVE A FLAME SPREAD RATING OF 25 OR LESS & A SMOKE DEVELOPMENT RATING OF 450 OR LESS PER IBC 720.2
15. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE IN COMPLIANCE WITH THE APPLICABLE REQUIREMENTS IN SECTIONS 602.3.1 THROUGH 602.3.10 PER IMC 602.3.
16. SEE ELECTRICAL DRAWINGS FOR SWITCHING AND CIRCUIT INFORMATION.
17. COORDINATE FINAL LIGHTING FIXTURE AND HVAC DEVICE LOCATION WITH ELECTRICAL AND MECHANICAL DRAWINGS.
18. ALL CEILING HEIGHTS AND MATERIALS EXISTING & NEW TO BE VERIFIED IN THE FIELD BY THE G.C.

FIRE SPRINKLER NOTE
FIRE SPRINKLERS ARE A DEFERRED SUBMITTAL. FIRE SPRINKLER CONTRACTOR TO PROVIDE CAGES ABOVE ALL SPORT COURTS, I.E. BASKETBALL & DODGEBALL, ETC. SPRINKLER CONTRACTOR TO COORDINATE W/ OWNER FOR ADDITIONAL CAGE LOCATIONS.



LIGHT FIXTURE LEGEND

- L2 RECESSED CAN DOWNLIGHT
  MANUFACTURER: HALO
  MODEL: LTC608FS5B
- L3 6" SHALLOW CYLINDER LED
  MANUFACTURER: PORTFOLIO
  MODEL #: LERS6C-30-D010-ECA6C-3035-9730-6LB-SC3-SMRCC6P
- L4 2x4 RECESSED LED FLAT PANEL
  MANUFACTURER: METALUX
  MODEL #: 24CGT4540C
  PROVIDE "EW10LCP" FOR EMERGENCY FIXTURES
- L5 2x4 RECESSED LED FLAT PANEL
  MANUFACTURER: METALUX
  MODEL #: 24CGT5540C
  PROVIDE "EW10LCP" FOR EMERGENCY FIXTURES
- L6 SUSPENDED HIGH-BAY LIGHT FIXTURE
  MANUFACTURER: METALUX
  MODEL #: LHBS-1824-UNV-L84050-U
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- COM EMERGENCY EGRESS EXIT SIGN COMBO
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  MODEL: APC7RG
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  MODEL: APEL
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  MANUFACTURER: SURELITES
  MODEL: APX7RG
- E3 EXTERIOR EMERGENCY EGRESS
  MANUFACTURER: SURELITES
  MODEL: APX7RG

PLAN NORTH

N

1 REFLECTED CEILING PLAN - MEZZANINE
SCALE: 1/8" = 1'-0"

Apogee
Architectural Partners
A Spirit Led Company

16775 ADDISON ROAD, SUITE 500
ADDISON, TX 75001
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ISSUE RECORD

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PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSEN
No. 24726
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

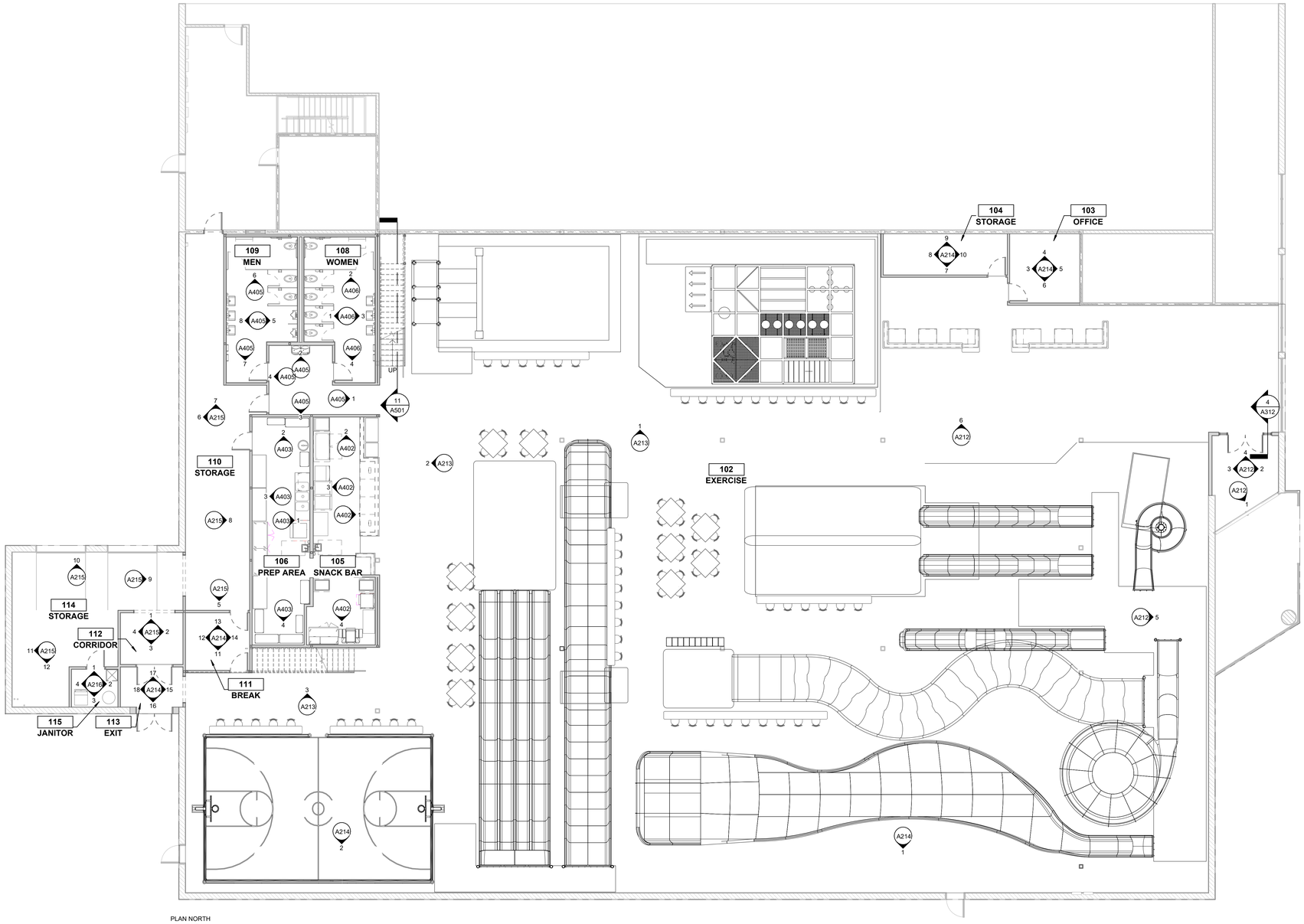
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
REFLECTED CEILING PLAN - MEZZANINE

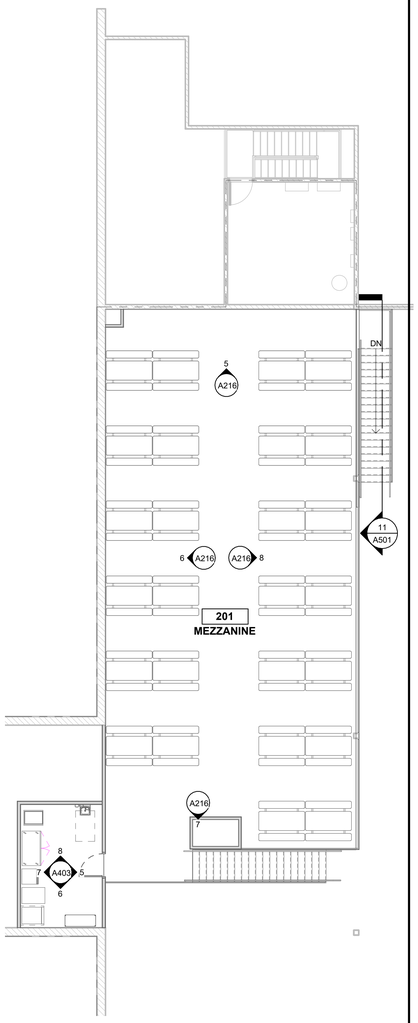
SHEET NUMBER
A132



PLAN NORTH

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

N



PLAN NORTH

2 KEY PLAN - MEZZANINE
SCALE: 1/8" = 1'-0"

N

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NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSEN
No. 24732
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

PROJECT NAME

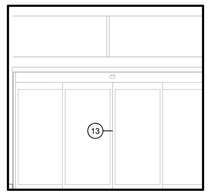
1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
INTERIOR ELEVATIONS
KEY PLANS

SHEET NUMBER

A211



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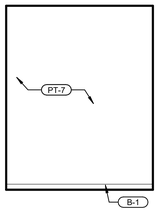

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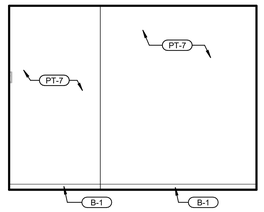

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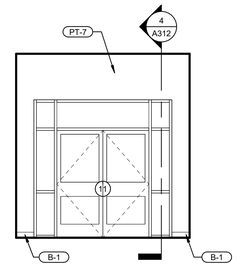

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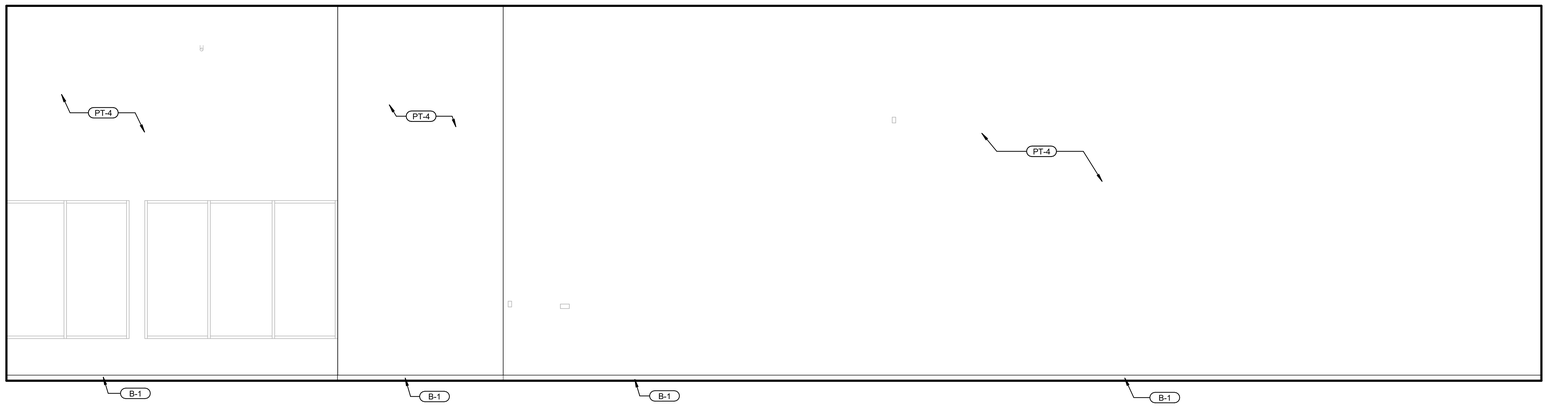
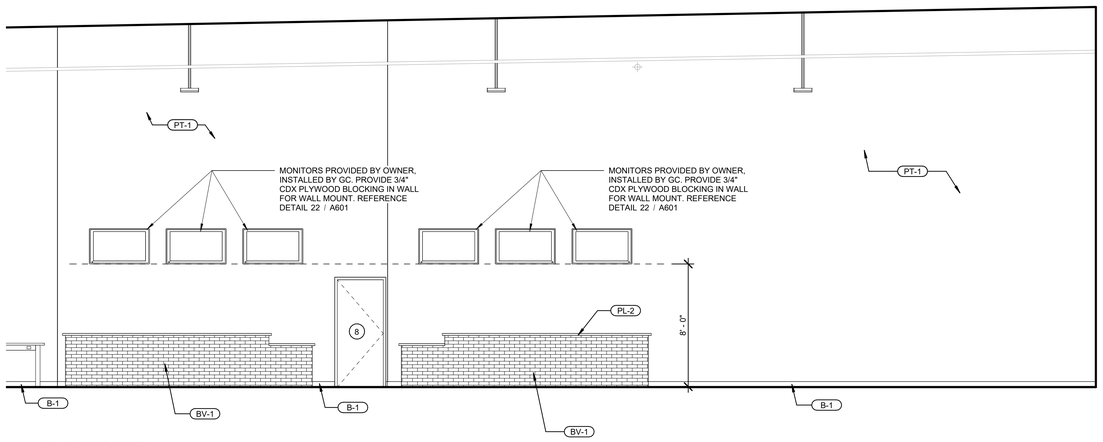
SCALE: 1/4" = 1'-0"



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



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

INTERIOR ELEVATION GENERAL NOTES

1. REFER TO SHEET A401 FOR EQUIPMENT & MEP SHEETS FOR ELECTRICAL.
2. WATERPROOF MEMBRANE TO EXTEND 12" ACROSS FLOOR & 12" AFF UP WALL AT NEW WALLS WHERE SHOWN. REFER TO FINISH FLOOR PLAN. USE VULKEM 360NF OR APPROVED EQUAL.
3. WATERPROOF MEMBRANE MUST BE INSPECTED & APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF FINISHES.
4. GENERAL CONTRACTOR MUST MAINTAIN ACCESS TO ALL CLEANOUTS.
5. ALL WALL GROUT LINES TO ALIGN WITH FLOOR TILE GROUT LINES WHERE APPLICABLE.
6. TYPICAL GYP WALLS TO BE A LEVEL 4 SMOOTH FINISH UNO.
7. FRP-01 TO BE INSTALLED TO 10'-0" A.F.F. UNO. IT IS TO BE INSTALLED WITH VERTICAL SEAMS & TOP/CORNER TRIM PIECES AS REQUIRED OR RECOMMENDED BY MANUFACTURER.
8. REFER TO FINISH FLOOR PLAN & ENLARGED DETAILS FOR ADDITIONAL LOCATIONS OF PAINT, STONE, TILE, WALLCOVERING, &/OR SPECIAL FEATURE.
9. PROVIDE MATCHING CAULK AT THE FOLLOWING AREAS:
   - DOORS FRAMES TO WALL, CEILING, &/OR FLOOR
   - PLUMBING FIXTURES TO WALL & FLOOR
   - FLOOR BASE TO DOOR FRAME
   - CEILING GRID TO WALL
10. REFER TO FINISH FLOOR PLAN & INTERIOR ELEVATIONS FOR PATTERNS &/OR DIRECTION OF FINISH MATERIAL.
11. SCHLUTER TRIM: REFER TO INTERIOR FINISH SCHEDULE & DETAILS
12. G.C. TO PROVIDE PLYWOOD BLOCKING FOR ALL WALL MOUNTED EQUIPMENT, ARTWORK, & MILLWORK AS REQUIRED
13. REFER TO RCP FOR LIGHT FIXTURE TYPES & BOTTOM OF FIXTURE HEIGHTS
14. ART WORK BY OWNER, G.C. TO COORDINATE INSTALL.
15. GC TO FIELD VERIFY ALL PAINT COLORS W/ OWNER BEFORE ORDERING PAINT.

FINISH SCHEDULE

MARK	DESCRIPTION
BASES	
B-1	4" COVED RUBBER BASE COLOR: BLACK NOTES: PROVIDED BY GC, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
B-2	4" TILE BASE TO MATCH T-3 CUT AS REQUIRED NOTES: PROVIDED BY GC, INSTALLED BY GC REFER TO DETAIL 3/A401 (VERIFY)
CEILINGS	
ACT-1	2'x4' ARMSTRONG FINE FISSURED #1729 LAY-IN CEILING PANELS W/ PRELUDE ML 15/16" GRID SYSTEM COLOR: WHITE GRID: WHITE OR APPROVED EQUAL
ACT-2	2'x4' ARMSTRONG SUSPENDED VINYL FACED GYP. BD. W/ T-BAR GRID AT KITCHEN AREAS OR PROVIDE EQUAL USG PRODUCT
GYP-1	GYPSUM WALLBOARD PAINT WHITE WITH SEMI-GLOSS FINISH
CORNER GUARD	
CG-1	2"x2"x72" PVC CORNER GUARDS FROM TOP OF BASE COLOR: WHITE OWNER TO PROVIDE SPECIFICATION
FLOORING	
EVA-1	ENGINEERED INTERLOCKING TILE NOTES: PROVIDED BY OWNER, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
PC-1	PAINTED CONCRETE BLACK EPOXY PAINT
RF-1	6 MM THICK RUBBER FLOORING ADHESIVE MANUFACUTER: MAPEI PRODUCT: ULTRABOND ECO 980 RUBBER FLOOR SUPPLIED BY OWNER ADHESIVE BY GC, INSTALLED BY GC
SC-1	PAINTED CONCRETE BLACK EPOXY PAINT
T-3	MANUFACTURER: FLORIDA TILE PRODUCT #: NY2LA SIZE: 12"x24" NAME: RIVERSIDE STEEL GROUT MANUFACTURER MAPEI PRODUCT: UCP COLOR: 5002 PEWTER
PAINT	
PT-1	COLOR: BLUE CHIP MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6959 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-2	COLOR: CONFIDENT YELLOW MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6911 FINISH: SATIN ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-3	COLOR: EXUBERANT PINK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW 6480 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-4	COLOR: BLACK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: PPG: BX50Y + 12 1/2 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-7	COLOR: MINDFUL GRAY MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW7016 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PLASTIC LAMINATE	
PL-1	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DESIGNER WHITE D354 NOTES: CABINETS
PL-2	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DOVE GREY D92 NOTES: COUNTERTOPS
PL-3	WHITE MELAMINE NOTES: ADJUSTABLE SHELVING
WALLS	
BV-1	BRICK VENEER FURNISHED BY OWNER, INSTALLED BY GC MORTAR MANUFACTURER: VERSABOND #2 NAME: THIN-SET MORTAR
FRP-1	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: SUBWAY TILE PATTERN
FRP-2	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: PEBBLED
SS-1	STAINLESS STEEL STANDARD MILL 20 GA "FLAT" PROVIDE STAINLESS TRANSITIONS AS REQUIRED
T-1	PRODUCT: CANVAS MERINGUE II POLISHED CERAMIC TILE SKU: 100655299 SIZE: 3"x12" COLOR: WHITE GROUT PRODUCT: MAPEI 5027 SILVER ULTRACOLOR PLUS FA GROUT SKU: 100221316 COLOR: SILVER GROUT LINE: 1/8"
WOOD	
	MAPLE STAINED NOTES: WOOD DOOR FOR OFFICE, CLOSET, JANITOR ETC

Apogee
Architectural Partners
A Spirit Led Company
16775 ADDISON ROAD, SUITE 500
ADDISON, TX 75001
PH: (469) 960-2322

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PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICHS
14, 2017
No. 24792
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

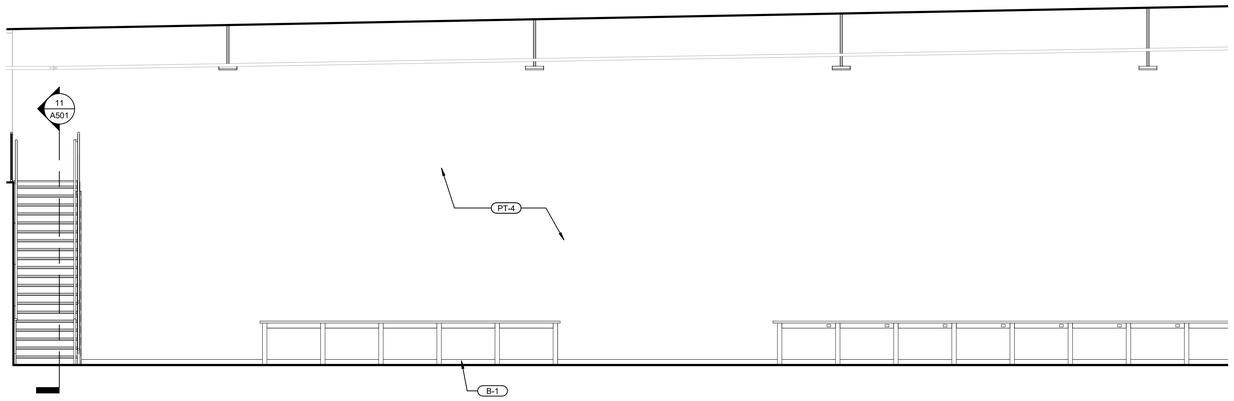
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

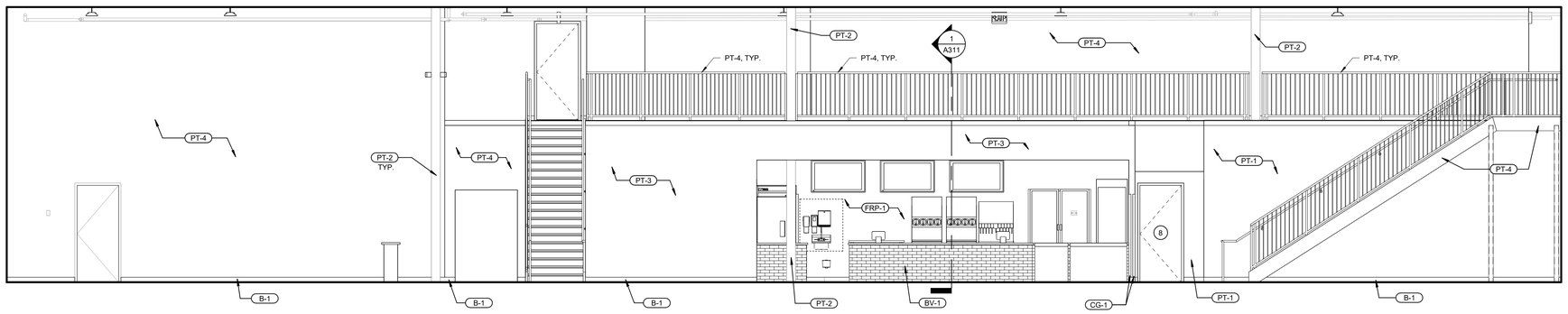
PROJECT NUMBER
26-0061

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A212



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



2 EXERCISE
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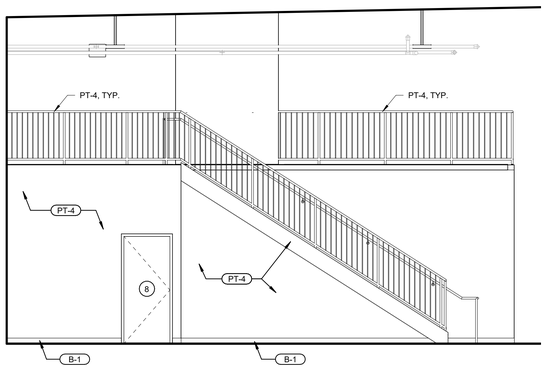

3 EXERCISE
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FINISH SCHEDULE

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GYP-1	GYPSUM WALLBOARD PAINT WHITE WITH SEMI-GLOSS FINISH
CORNER GUARD	
CG-1	2"x2"x72" PVC CORNER GUARDS FROM TOP OF BASE COLOR: WHITE OWNER TO PROVIDE SPECIFICATION
FLOORING	
EVA-1	ENGINEERED INTERLOCKING TILE NOTES: PROVIDED BY OWNER, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
PC-1	PAINTED CONCRETE BLACK EPOXY PAINT
RF-1	6 MM THICK RUBBER FLOORING ADHESIVE MANUFACUTER: MAPEI PRODUCT: ULTRABOND ECO 980 RUBBER FLOOR SUPPLIED BY OWNER ADHESIVE BY GC, INSTALLED BY GC
SC-1	PAINTED CONCRETE BLACK EPOXY PAINT
T-3	MANUFACTURER: FLORIDA TILE PRODUCT #: NY2LA SIZE: 12"x24" NAME: RIVERSIDE STEEL GROUT MANUFACTURER MAPEI PRODUCT: UCP COLOR: 5002 PEWTER
PAINT	
PT-1	COLOR: BLUE CHIP MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6959 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-2	COLOR: CONFIDENT YELLOW MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6911 FINISH: SATIN ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-3	COLOR: EXUBERANT PINK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW 6480 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-4	COLOR: BLACK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: PPG: BX50Y + 12 1/2 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-7	COLOR: MINDFUL GRAY MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW7016 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PLASTIC LAMINATE	
PL-1	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DESIGNER WHITE D354 NOTES: CABINETS
PL-2	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DOVE GREY D92 NOTES: COUNTERTOPS
PL-3	WHITE MELAMINE NOTES: ADJUSTABLE SHELVING
WALLS	
BV-1	BRICK VENEER FURNISHED BY OWNER, INSTALLED BY GC MORTAR MANUFACTURER: VERSABOND #2 NAME: THIN-SET MORTAR
FRP-1	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: SUBWAY TILE PATTERN
FRP-2	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: PEBBLED
SS-1	STAINLESS STEEL STANDARD MILL 20 GA "FLAT" PROVIDE STAINLESS TRANSITIONS AS REQUIRED
T-1	PRODUCT: CANVAS MERINGUE II POLISHED CERAMIC TILE SKU: 100655299 SIZE: 3"x12" COLOR: WHITE GROUT PRODUCT: MAPEI 5027 SILVER ULTRACOLOR PLUS FA GROUT SKU: 100221316 COLOR: SILVER GROUT LINE: 1/8"
WOOD	
	MAPLE STAINED NOTES: WOOD DOOR FOR OFFICE, CLOSET, JANITOR ETC

Apogee
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A Spirit Led Company

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICHS
REG. NO. 24792
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

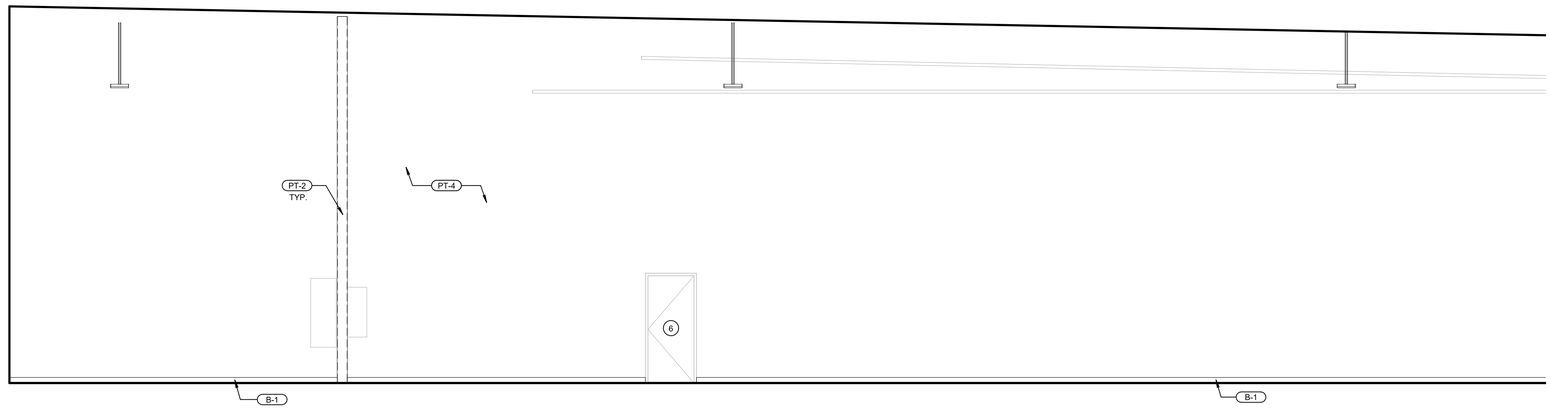
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A213



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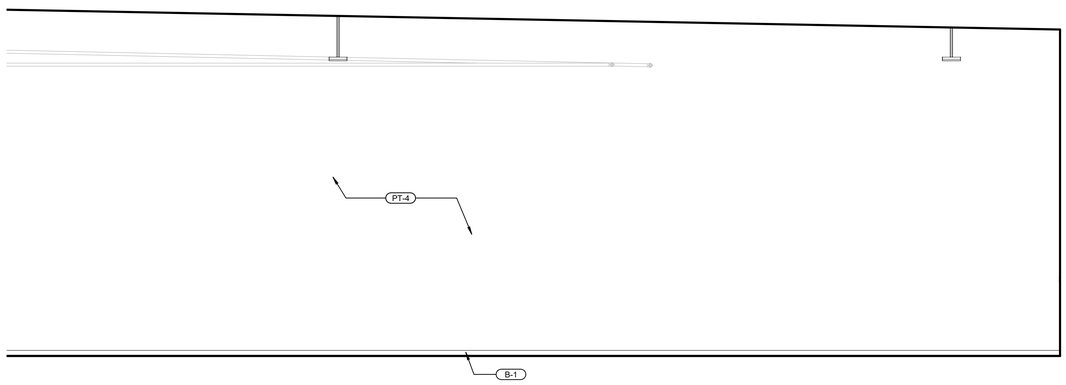

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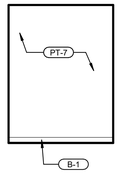

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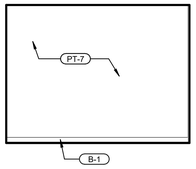

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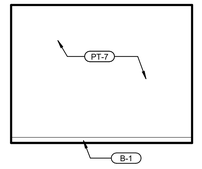

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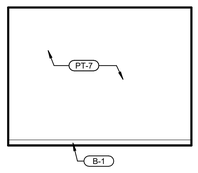

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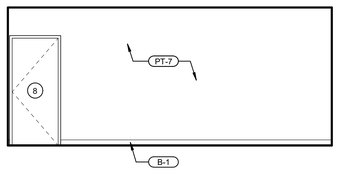

7 STORAGE
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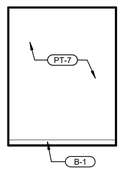

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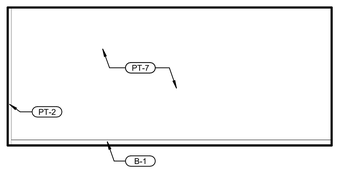

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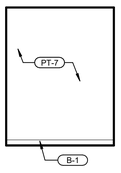

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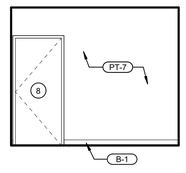

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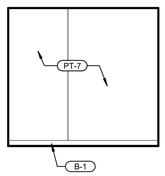

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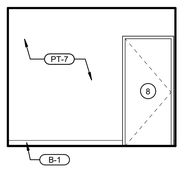

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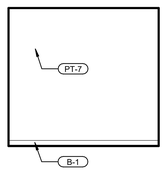

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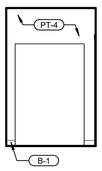

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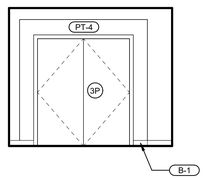
SCALE: 1/4" = 1'-0"



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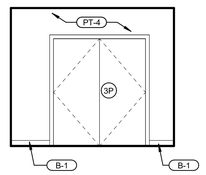

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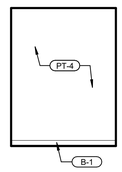

18 EXIT
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

1. REFER TO SHEET A401 FOR EQUIPMENT & MEP SHEETS FOR ELECTRICAL.
2. WATERPROOF MEMBRANE TO EXTEND 12" ACROSS FLOOR & 12" AFF UP WALL AT NEW WALLS WHERE SHOWN. REFER TO FINISH FLOOR PLAN. USE VULKEM 360NF OR APPROVED EQUAL.
3. WATERPROOF MEMBRANE MUST BE INSPECTED & APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF FINISHES.
4. GENERAL CONTRACTOR MUST MAINTAIN ACCESS TO ALL CLEANOUTS.
5. ALL WALL GROUT LINES TO ALIGN WITH FLOOR TILE GROUT LINES WHERE APPLICABLE.
6. TYPICAL GYP WALLS TO BE A LEVEL 4 SMOOTH FINISH UNO.
7. FRP-01 TO BE INSTALLED TO 10'-0" A.F.F. UNO. IT IS TO BE INSTALLED WITH VERTICAL SEAMS & TOP/CORNER TRIM PIECES AS REQUIRED OR RECOMMENDED BY MANUFACTURER
8. REFER TO FINISH FLOOR PLAN & ENLARGED DETAILS FOR ADDITIONAL LOCATIONS OF PAINT, STONE, TILE, WALLCOVERING, &/OR SPECIAL FEATURE
9. PROVIDE MATCHING CAULK AT THE FOLLOWING AREAS:
   - DOORS FRAMES TO WALL, CEILING, &/OR FLOOR
   - PLUMBING FIXTURES TO WALL & FLOOR
   - FLOOR BASE TO DOOR FRAME
   - CEILING GRID TO WALL
10. REFER TO FINISH FLOOR PLAN & INTERIOR ELEVATIONS FOR PATTERNS &/OR DIRECTION OF FINISH MATERIAL.
11. SCHLUTER TRIM: REFER TO INTERIOR FINISH SCHEDULE & DETAILS
12. G.C. TO PROVIDE PLYWOOD BLOCKING FOR ALL WALL MOUNTED EQUIPMENT, ARTWORK, & MILLWORK AS REQUIRED
13. REFER TO RCP FOR LIGHT FIXTURE TYPES & BOTTOM OF FIXTURE HEIGHTS
14. ART WORK BY OWNER, G.C. TO COORDINATE INSTALL.
15. GC TO FIELD VERIFY ALL PAINT COLORS W/ OWNER BEFORE ORDERING PAINT.

FINISH SCHEDULE

MARK	DESCRIPTION
BASES	
B-1	4" COVED RUBBER BASE COLOR: BLACK NOTES: PROVIDED BY GC, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
B-2	4" TILE BASE TO MATCH T-3 CUT AS REQUIRED NOTES: PROVIDED BY GC, INSTALLED BY GC REFER TO DETAIL 3/A401 (VERIFY)
CEILINGS	
ACT-1	2'x4' ARMSTRONG FINE FISSURED #1729 LAY-IN CEILING PANELS W/ PRELUDE ML 15/16" GRID SYSTEM COLOR: WHITE GRID: WHITE OR APPROVED EQUAL
ACT-2	2'x4' ARMSTRONG SUSPENDED VINYL FACED GYP. BD. W/ T-BAR GRID AT KITCHEN AREAS OR PROVIDE EQUAL USG PRODUCT
GYP-1	GYPSUM WALLBOARD PAINT WHITE WITH SEMI-GLOSS FINISH
CORNER GUARD	
CG-1	2"x2"x72" PVC CORNER GUARDS FROM TOP OF BASE COLOR: WHITE OWNER TO PROVIDE SPECIFICATION
FLOORING	
EVA-1	ENGINEERED INTERLOCKING TILE NOTES: PROVIDED BY OWNER, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
PC-1	PAINTED CONCRETE BLACK EPOXY PAINT
RF-1	6 MM THICK RUBBER FLOORING ADHESIVE MANUFACUTER: MAPEI PRODUCT: ULTRABOND ECO 980 RUBBER FLOOR SUPPLIED BY OWNER ADHESIVE BY GC, INSTALLED BY GC
SC-1	PAINTED CONCRETE BLACK EPOXY PAINT
T-3	MANUFACTURER: FLORIDA TILE PRODUCT #: NY2LA SIZE: 12"x24" NAME: RIVERSIDE STEEL GROUT MANUFACTURER MAPEI PRODUCT: UCP COLOR: 5002 PEWTER
PAINT	
PT-1	COLOR: BLUE CHIP MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6959 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-2	COLOR: CONFIDENT YELLOW MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6911 FINISH: SATIN ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-3	COLOR: EXUBERANT PINK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW 6480 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-4	COLOR: BLACK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: PPG: BX50Y + 12 1/2 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-7	COLOR: MINDFUL GRAY MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW7016 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PLASTIC LAMINATE	
PL-1	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DESIGNER WHITE D354 NOTES: CABINETS
PL-2	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DOVE GREY D92 NOTES: COUNTERTOPS
PL-3	WHITE MELAMINE NOTES: ADJUSTABLE SHELVING
WALLS	
BV-1	BRICK VENEER FURNISHED BY OWNER, INSTALLED BY GC MORTAR MANUFACTURER: VERSABOND #2 NAME: THIN-SET MORTAR
FRP-1	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: SUBWAY TILE PATTERN
FRP-2	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: PEBBLED
SS-1	STAINLESS STEEL STANDARD MILL 20 GA "FLAT" PROVIDE STAINLESS TRANSITIONS AS REQUIRED
T-1	PRODUCT: CANVAS MERINGUE II POLISHED CERAMIC TILE SKU: 100655299 SIZE: 3"x12" COLOR: WHITE GROUT PRODUCT: MAPEI 5027 SILVER ULTRACOLOR PLUS FA GROUT SKU: 100221316 COLOR: SILVER GROUT LINE: 1/8"
WOOD	
	MAPLE STAINED NOTES: WOOD DOOR FOR OFFICE, CLOSET, JANITOR ETC

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STATE OF OKLAHOMA
KEVIN HENRICKSEN
No. 24792
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

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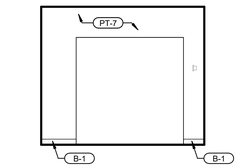
1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A214



1 CORRIDOR
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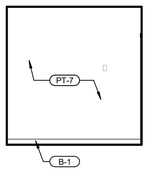

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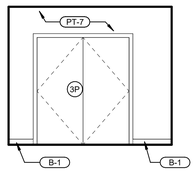

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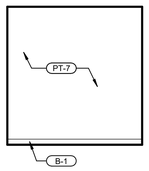

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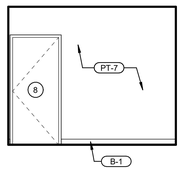

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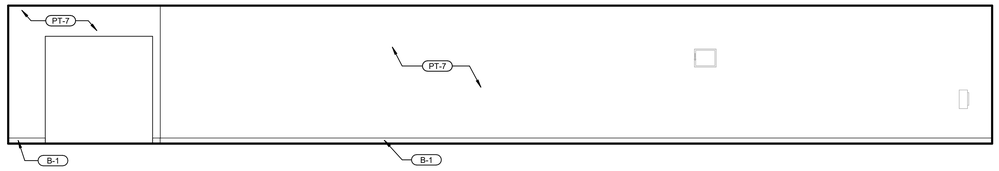

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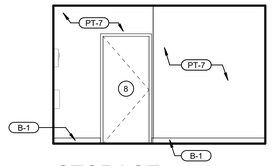

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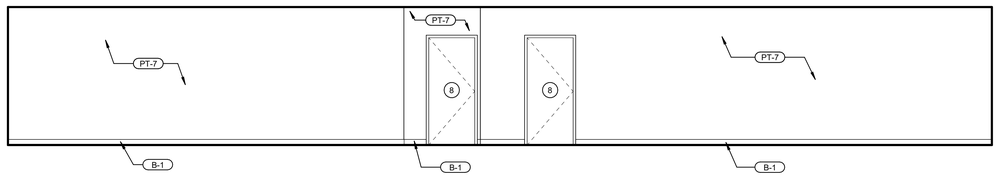

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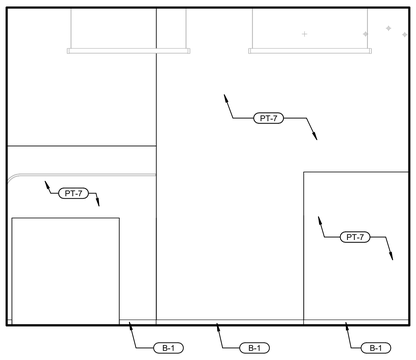

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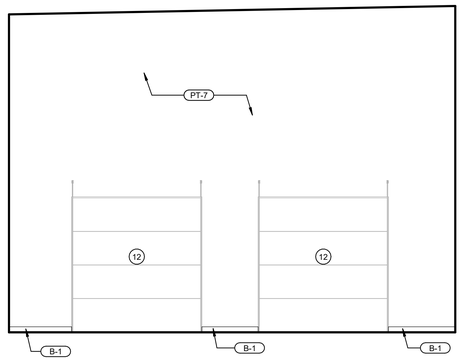

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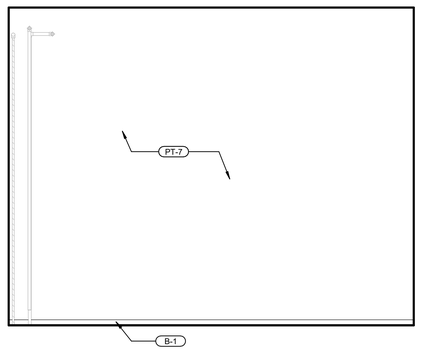
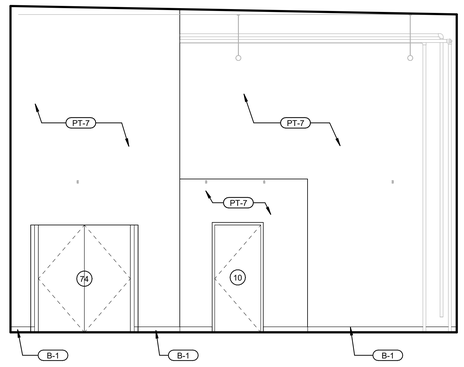


11 STORAGE
SCALE: 1/4" = 1'-0"



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

INTERIOR ELEVATION GENERAL NOTES

1. REFER TO SHEET A401 FOR EQUIPMENT & MEP SHEETS FOR ELECTRICAL.
2. WATERPROOF MEMBRANE TO EXTEND 12" ACROSS FLOOR & 12" AFF UP WALL AT NEW WALLS WHERE SHOWN. REFER TO FINISH FLOOR PLAN. USE VULKEM 360NF OR APPROVED EQUAL.
3. WATERPROOF MEMBRANE MUST BE INSPECTED & APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF FINISHES.
4. GENERAL CONTRACTOR MUST MAINTAIN ACCESS TO ALL CLEANOUTS.
5. ALL WALL GROUT LINES TO ALIGN WITH FLOOR TILE GROUT LINES WHERE APPLICABLE.
6. TYPICAL GYP WALLS TO BE A LEVEL 4 SMOOTH FINISH UNO.
7. FRP-01 TO BE INSTALLED TO 10'-0" A.F.F. UNO. IT IS TO BE INSTALLED WITH VERTICAL SEAMS & TOP/CORNER TRIM PIECES AS REQUIRED OR RECOMMENDED BY MANUFACTURER
8. REFER TO FINISH FLOOR PLAN & ENLARGED DETAILS FOR ADDITIONAL LOCATIONS OF PAINT, STONE, TILE, WALLCOVERING, &/OR SPECIAL FEATURE
9. PROVIDE MATCHING CAULK AT THE FOLLOWING AREAS:
   - DOORS FRAMES TO WALL, CEILING, &/OR FLOOR
   - PLUMBING FIXTURES TO WALL & FLOOR
   - FLOOR BASE TO DOOR FRAME
   - CEILING GRID TO WALL
10. REFER TO FINISH FLOOR PLAN & INTERIOR ELEVATIONS FOR PATTERNS &/OR DIRECTION OF FINISH MATERIAL.
11. SCHLUTER TRIM: REFER TO INTERIOR FINISH SCHEDULE & DETAILS
12. G.C. TO PROVIDE PLYWOOD BLOCKING FOR ALL WALL MOUNTED EQUIPMENT, ARTWORK, & MILLWORK AS REQUIRED
13. REFER TO RCP FOR LIGHT FIXTURE TYPES & BOTTOM OF FIXTURE HEIGHTS
14. ART WORK BY OWNER, G.C. TO COORDINATE INSTALL.
15. GC TO FIELD VERIFY ALL PAINT COLORS W/ OWNER BEFORE ORDERING PAINT.

FINISH SCHEDULE

MARK	DESCRIPTION
BASES	
B-1	4" COVED RUBBER BASE COLOR: BLACK NOTES: PROVIDED BY GC, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
B-2	4" TILE BASE TO MATCH T-3 CUT AS REQUIRED NOTES: PROVIDED BY GC, INSTALLED BY GC REFER TO DETAIL 3/A401 (VERIFY)
CEILINGS	
ACT-1	2'x4' ARMSTRONG FINE FISSURED #1729 LAY-IN CEILING PANELS W/ PRELUDE ML 15/16" GRID SYSTEM COLOR: WHITE GRID: WHITE OR APPROVED EQUAL
ACT-2	2'x4' ARMSTRONG SUSPENDED VINYL FACED GYP. BD. W/ T-BAR GRID AT KITCHEN AREAS OR PROVIDE EQUAL USG PRODUCT
GYP-1	GYPSUM WALLBOARD PAINT WHITE WITH SEMI-GLOSS FINISH
CORNER GUARD	
CG-1	2"x2"x72" PVC CORNER GUARDS FROM TOP OF BASE COLOR: WHITE OWNER TO PROVIDE SPECIFICATION
FLOORING	
EVA-1	ENGINEERED INTERLOCKING TILE NOTES: PROVIDED BY OWNER, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
PC-1	PAINTED CONCRETE BLACK EPOXY PAINT
RF-1	6 MM THICK RUBBER FLOORING ADHESIVE MANUFACUTER: MAPEI PRODUCT: ULTRABOND ECO 980 RUBBER FLOOR SUPPLIED BY OWNER ADHESIVE BY GC, INSTALLED BY GC
SC-1	PAINTED CONCRETE BLACK EPOXY PAINT
T-3	MANUFACTURER: FLORIDA TILE PRODUCT #: NY2LA SIZE: 12"x24" NAME: RIVERSIDE STEEL GROUT MANUFACTURER MAPEI PRODUCT: UCP COLOR: 5002 PEWTER
PAINT	
PT-1	COLOR: BLUE CHIP MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6959 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-2	COLOR: CONFIDENT YELLOW MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6911 FINISH: SATIN ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-3	COLOR: EXUBERANT PINK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW 6480 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-4	COLOR: BLACK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: PPG: BX50Y + 12 1/2 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-7	COLOR: MINDFUL GRAY MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW7016 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PLASTIC LAMINATE	
PL-1	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DESIGNER WHITE D354 NOTES: CABINETS
PL-2	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DOVE GREY D92 NOTES: COUNTERTOPS
PL-3	WHITE MELAMINE NOTES: ADJUSTABLE SHELVING
WALLS	
BV-1	BRICK VENEER FURNISHED BY OWNER, INSTALLED BY GC MORTAR MANUFACTURER: VERSABOND #2 NAME: THIN-SET MORTAR
FRP-1	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: SUBWAY TILE PATTERN
FRP-2	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: PEBBLED
SS-1	STAINLESS STEEL STANDARD MILL 20 GA "FLAT" PROVIDE STAINLESS TRANSITIONS AS REQUIRED
T-1	PRODUCT: CANVAS MERINGUE II POLISHED CERAMIC TILE SKU: 100655299 SIZE: 3"x12" COLOR: WHITE GROUT PRODUCT: MAPEI 5027 SILVER ULTRACOLOR PLUS FA GROUT SKU: 100221316 COLOR: SILVER GROUT LINE: 1/8"
WOOD	
	MAPLE STAINED NOTES: WOOD DOOR FOR OFFICE, CLOSET, JANITOR ETC

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSEN
No. 24726
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

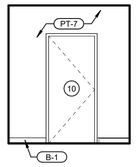
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A215



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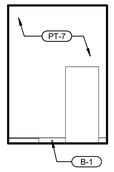

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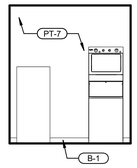

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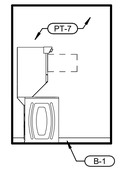
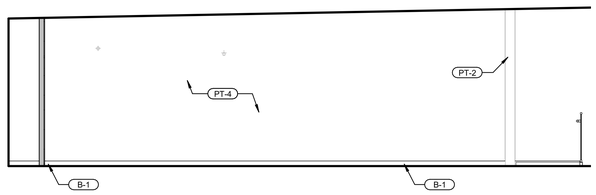


4 JANITOR
SCALE: 1/4" = 1'-0"



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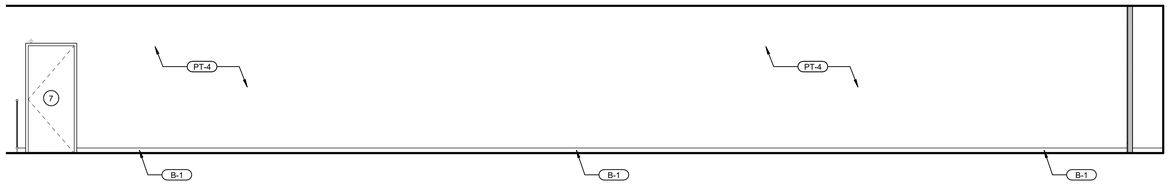

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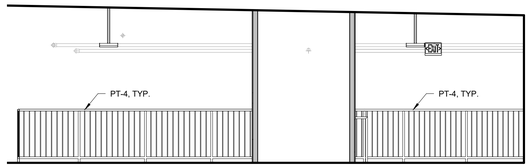

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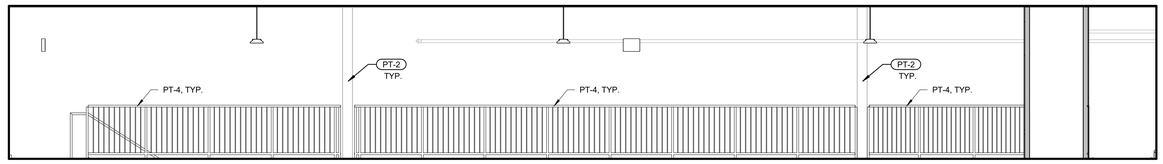

8 MEZZANINE
SCALE: 1/4" = 1'-0"

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FINISH SCHEDULE

MARK	DESCRIPTION
BASES	
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ACT-1	2'x4' ARMSTRONG FINE FISSURED #1729 LAY-IN CEILING PANELS W/ PRELUDE ML 15/16" GRID SYSTEM COLOR: WHITE GRID: WHITE OR APPROVED EQUAL
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CORNER GUARD	
CG-1	2"x2"x72" PVC CORNER GUARDS FROM TOP OF BASE COLOR: WHITE OWNER TO PROVIDE SPECIFICATION
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SC-1	PAINTED CONCRETE BLACK EPOXY PAINT
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PT-7	COLOR: MINDFUL GRAY MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW7016 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PLASTIC LAMINATE	
PL-1	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DESIGNER WHITE D354 NOTES: CABINETS
PL-2	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DOVE GREY D92 NOTES: COUNTERTOPS
PL-3	WHITE MELAMINE NOTES: ADJUSTABLE SHELVING
WALLS	
BV-1	BRICK VENEER FURNISHED BY OWNER, INSTALLED BY GC MORTAR MANUFACTURER: VERSABOND #2 NAME: THIN-SET MORTAR
FRP-1	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: SUBWAY TILE PATTERN
FRP-2	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: PEBBLED
SS-1	STAINLESS STEEL STANDARD MILL 20 GA "FLAT" PROVIDE STAINLESS TRANSITIONS AS REQUIRED
T-1	PRODUCT: CANVAS MERINGUE II POLISHED CERAMIC TILE SKU: 100655299 SIZE: 3"x12" COLOR: WHITE GROUT PRODUCT: MAPEI 5027 SILVER ULTRACOLOR PLUS FA GROUT SKU: 100221316 COLOR: SILVER GROUT LINE: 1/8"
WOOD	
	MAPLE STAINED NOTES: WOOD DOOR FOR OFFICE, CLOSET, JANITOR ETC

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ISSUE RECORD
DESCRIPTION DATE

ISSUE FOR PERMIT 06/22/2026

REVISION RECORD

NO	DATE	REVISION

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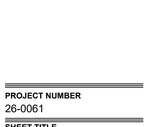


06/22/26

REMODEL

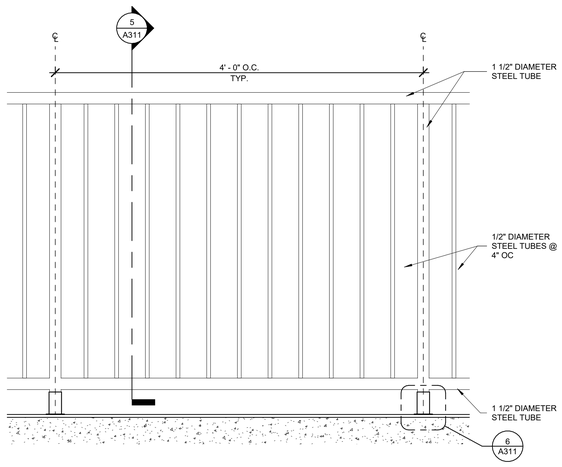
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A216



14 GUARD RAIL ELEVATION
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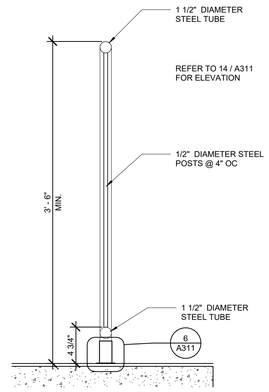

5 GUARDRAIL SECTION
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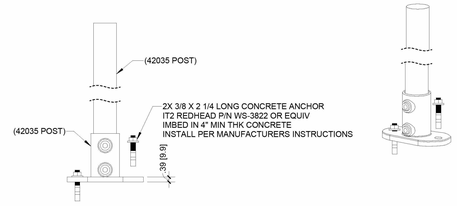

6 POST CONNECTION
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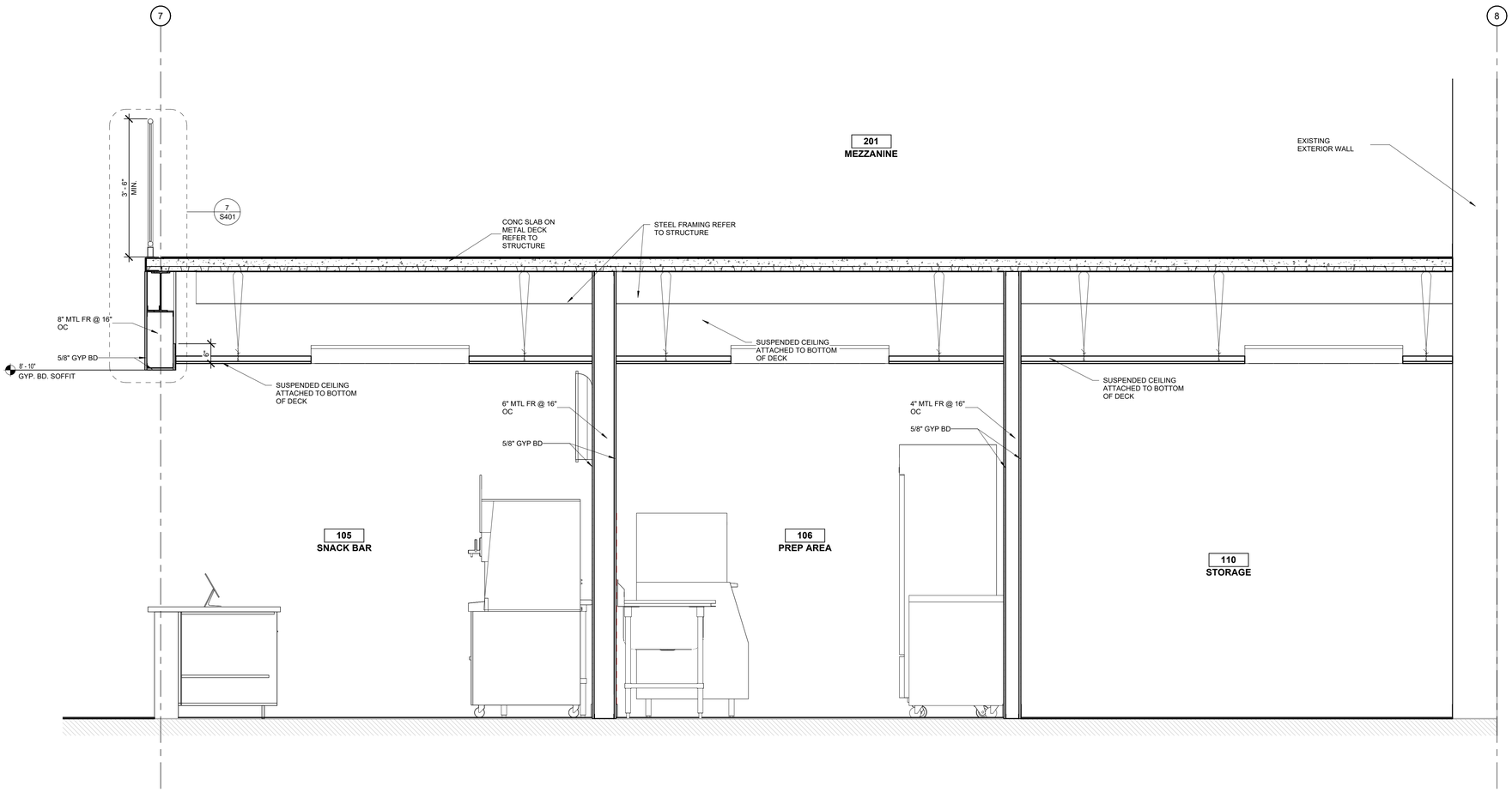

1 WALL SECTION
SCALE: 3/4" = 1'-0"

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSON
LIC. NO. 24742
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

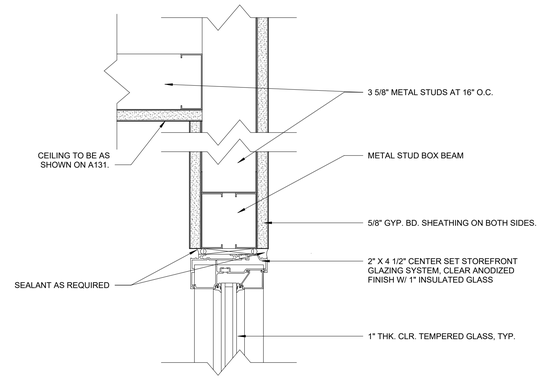
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

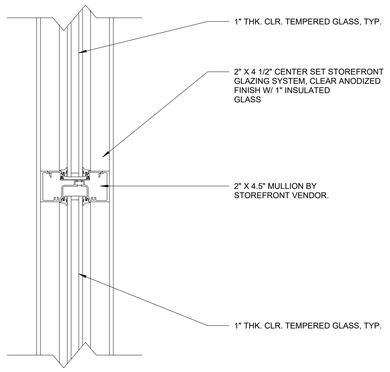
PROJECT NUMBER
26-0061

SHEET TITLE
WALL SECTIONS & DETAILS

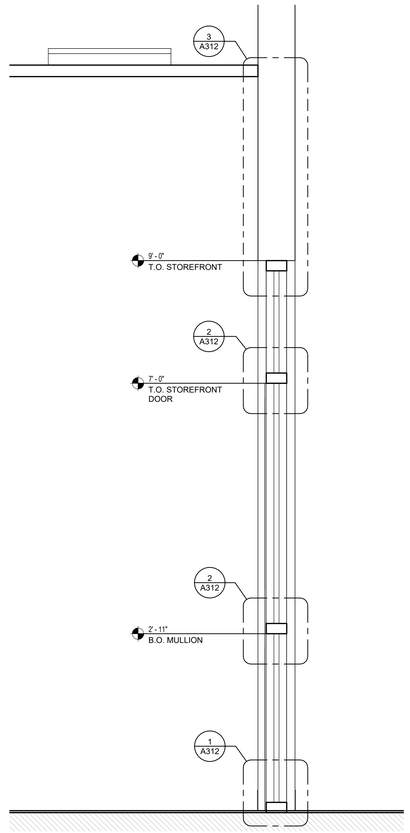
SHEET NUMBER
A311



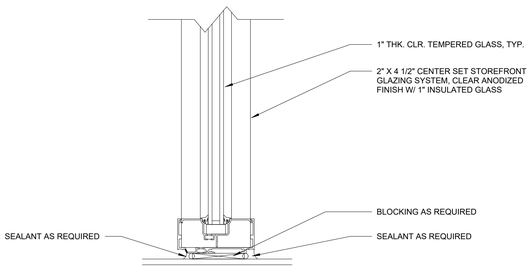
3 STOREFRONT HEAD DETAIL
SCALE: 3" = 1'-0"



2 STOREFRONT MULLION DETAIL
SCALE: 3" = 1'-0"



4 STOREFRONT SECTION
SCALE: 1" = 1'-0"



1 STOREFRONT BASE DETAIL
SCALE: 3" = 1'-0"

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REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSON
No. A4742
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

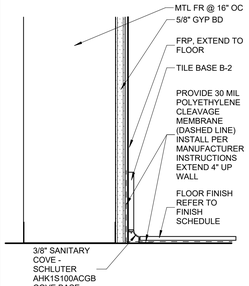
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

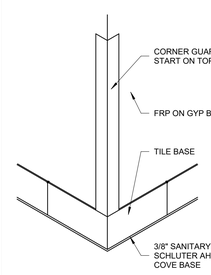
PROJECT NUMBER
26-0061

SHEET TITLE
STOREFRONT DETAILS

SHEET NUMBER
A312



4 KITCHEN WALL@BASE
SCALE: 3" = 1'-0"



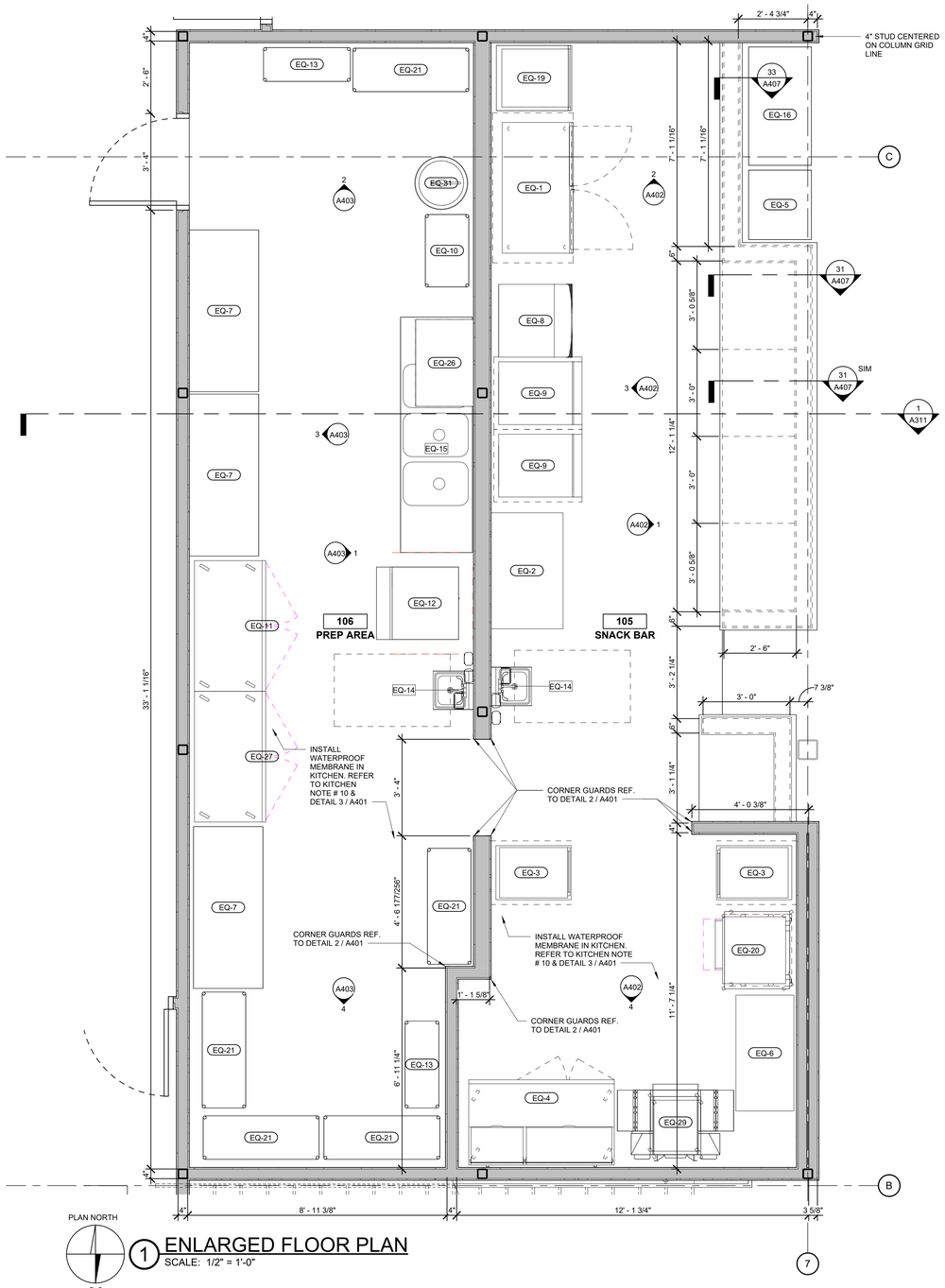
3 CORNER GUARD
SCALE: NOT TO SCALE

INTERIOR ELEVATION GENERAL NOTES

1. ALL ICE MACHINES TO BE HELD OFF ADJACENT BUILDING WALLS BY 6" IF A VACUUM BREAKER IS REQUIRED BY CODE IT WILL BE FURNISHED & INSTALLED BY THE PLUMBING CONTRACTOR.
2. ALL REFRIGERATORS WILL BE FURNISHED WITH THERMOMETERS WHICH ARE EASILY READABLE, IN PROPER WORKING CONDITION & ACCURATE WITHIN A RANGE OF PLUS OR MINUS 2 DEGREES.
3. ALL COUNTER TOP EQUIPMENT NOT READILY MOVABLE, WEIGHING OVER 80 POUNDS WILL BE PROVIDED WITH 4" LEGS WITH ADJUSTABLE FEET.
4. ALL CHEMICAL SANITIZER KITS FOR THREE COMPARTMENT SINKS WILL BE FURNISHED BY THE CHEMICAL SUPPLIER.
5. ALL FOOD SERVICE & RELATED EQUIPMENT SHALL BE INSTALLED IN CONFORMITY WITH THE NSF STANDARDS & SHALL BE NFS APPROVED.
6. AN AISLE SPACE OF A MINIMUM OR THIRTY-SIX (36) INCHES OR MORE SHALL BE PROVIDED IN ALL WORK SPACES.
7. BACKSPLASHES OF EQUIPMENT SHALL BE INSTALLED A MINIMUM OF THREE (3) INCHES OR SEALED TO THE WALL WITH SILICONE SEALANT.
8. VACUUM BREAKERS WHEN USED TO BE A MINIMUM OF SIX (6) INCHES ABOVE FLOOD RIM WITH NO SHUT OFF DEVICES BEYOND THE DISCHARGE OF THE VACUUM BREAKER.
9. A MINIMUM OF 50 FOOT CANDLES OF LIGHT SHALL BE PROVIDED IN ALL FOOD PREPARATION & SERVING AREAS.
10. INSTALL WATERPROOF MEMBRANE IN ALL WET AREAS PER DETAIL 4 / A401. USE 30 MIL WATERPROOF MEMBRANE (EQUAL TO NOBLE SEAL TS). INSTALL PER MANUFACTURER RECOMMENDATIONS. EXTEND MEMBRANE 4" UP WALL.
11. PROVIDE FLOOR MEMBRANE IN CONCESSIONS AREA FROM "EQUIPMENT WALL" TO 4' OUT FROM WALL.

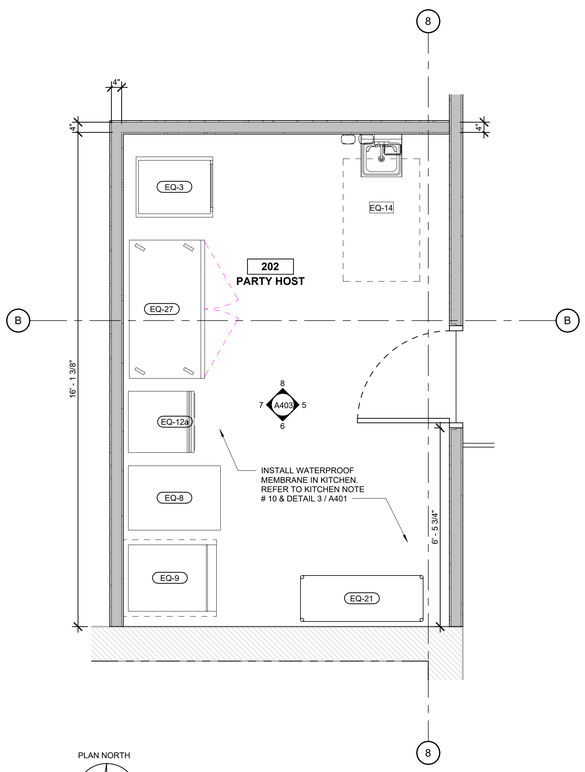
EQUIPMENT SCHEDULE

TAG	EQUIPMENT	MANUFACTURER	MODEL	NOTES
EQ-1	BEVERAGE MERCHANDISER	IMBERA	VRD-43	
EQ-2	24"x72" STAINLESS STEEL WORKTABLE	ADVANCE TABCO		
EQ-3	PIZZA WARMER	LOCKWOOD	CA67-PF34-CD-R	
EQ-4	PIZZA PREP TABLE	TRUE	TPP-60 SOLID DOOR	
EQ-5				
EQ-6	24"x36" PIZZA BOXING TABLE	ADVANCE TABCO		
EQ-7	CHEST FREEZER	DIPPIN DOTS	EL-51	
EQ-8	ICE / BEVERAGE DISPENSER	PEPSI SHOTS	IDC POST-MIX DISPENSER	PROVIDED BY SODA VENDOR
EQ-9	FROZEN DRINK MACHINE DISPENSER	ICEE	564ID	WITH BASE CART
EQ-10	SODA SYRUP RACK	PROVIDED BY SODA VENDOR		
EQ-11	REACH-IN FREEZER	TRUE	T-49F-HC	
EQ-12	ICE MAKER W/ BIN	ICE-O-MATIC	ICE0320/0325	
EQ-12a	ICE MACHINE	ICE-O-MATIC	ICEU220HA	
EQ-13	4 SHELF WIRE RACK	ALERA	ALESW843614SR	36"Wx14"Dx54"H
EQ-14	STAINLESS STEEL HAND MOUNTED WALL SINK	GSW	HS1615WG	
EQ-15	THREE COMPARTMENT SINK	TURBOAIR	TSA-3-12-L1	
EQ-16				
EQ-18	COMBO WASHER / DRYER	WHIRLPOOL	WETLV27HW 27"	
EQ-19	REACH-IN REFRIGERATOR	ARTIC AIR	AGR23	
EQ-20	OVEN	TURBOCHEF	DOUBLE BATCH	DUAL CATALYTIC CONVERTER MUST BE INSTALLED TO BE VENTLESS
EQ-21	STORAGE RACK	VEVOR	48"Wx18.5"Dx72"H	
EQ-25	POS SYSTEM			FURNISHED BY OWNER
EQ-26	WALL SHELF / DRYING RACK	NEXEL	T9FAB14DC	
EQ-27	REACH-IN REFRIGERATOR	TRUE	T-49	
EQ-28	WATER HEATER			REFERENCE PLUMBING DRAWINGS
EQ-29	CONVEYOR	TURBOCHEF	HIGH H CONVEYOR 1618	DUAL CATALYTIC CONVERTER MUST BE INSTALLED TO BE VENTLESS
EQ-31	CO2 TANK			



PLAN NORTH
N

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



PLAN NORTH
N

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

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06/22/26

REMODEL

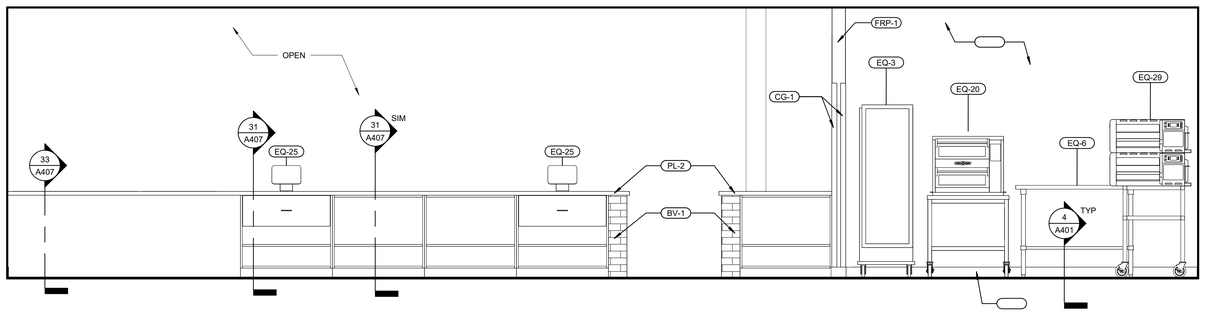
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
ENLARGED PLANS

SHEET NUMBER
A401



1 SNACK BAR
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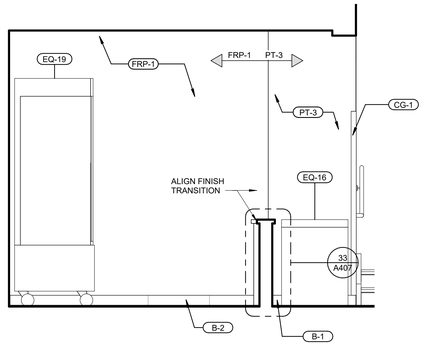

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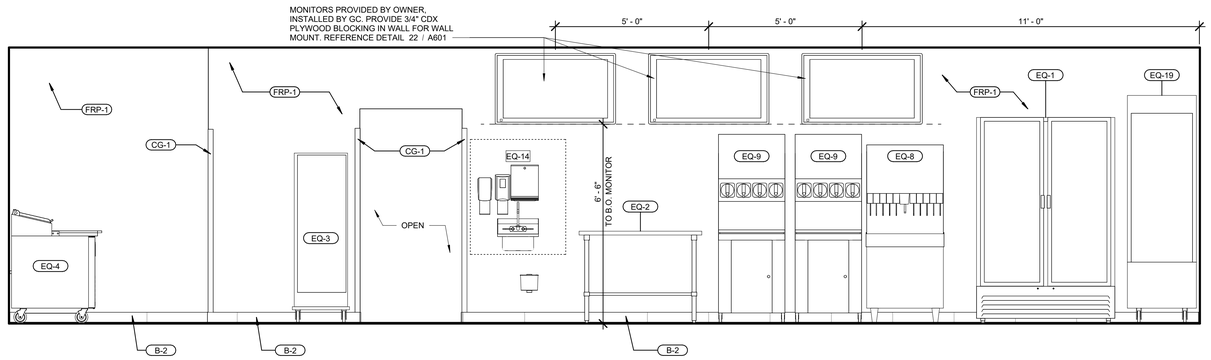

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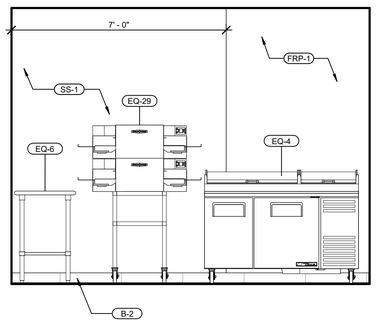

4 SNACK BAR
SCALE: 1/2" = 1'-0"

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PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSON
REG. NO. A4736
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

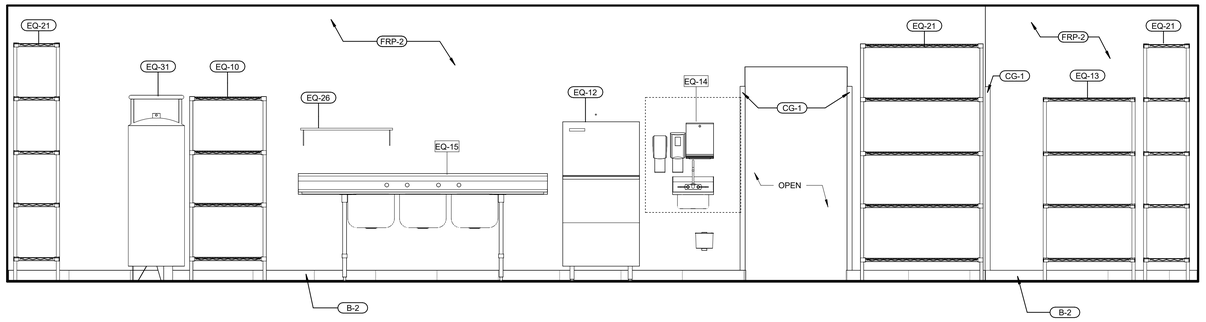
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
ENLARGED ELEVATIONS

SHEET NUMBER
A402



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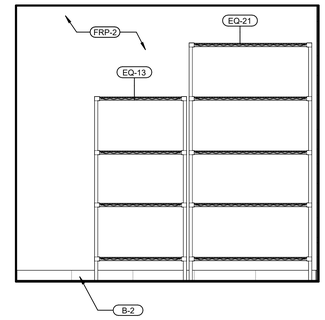

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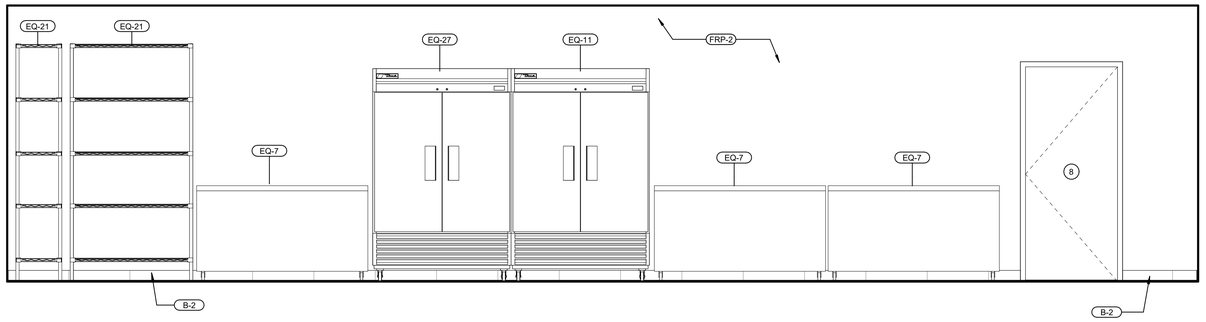

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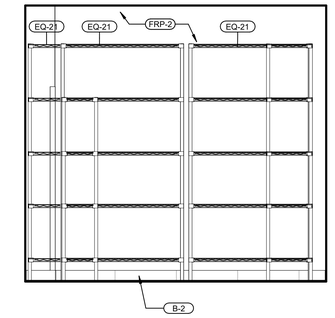

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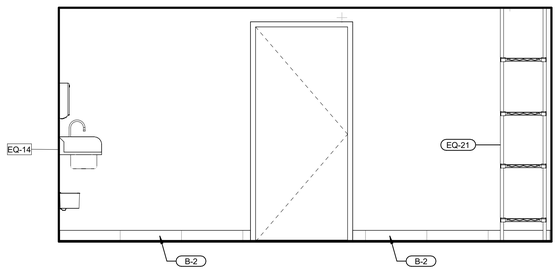

5 PARTY HOST
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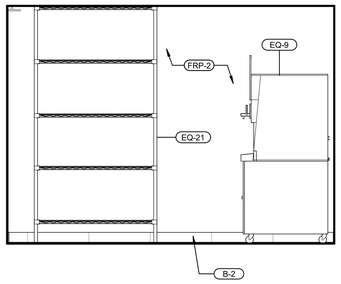

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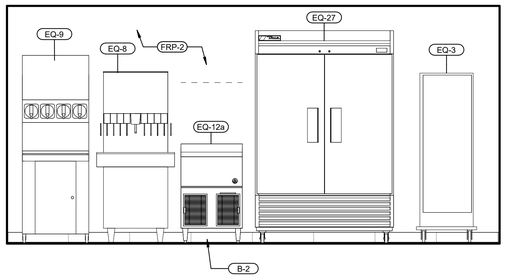

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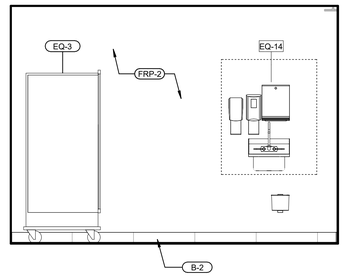

8 PARTY HOST
SCALE: 1/2" = 1'-0"

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PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSON
No. 24792
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

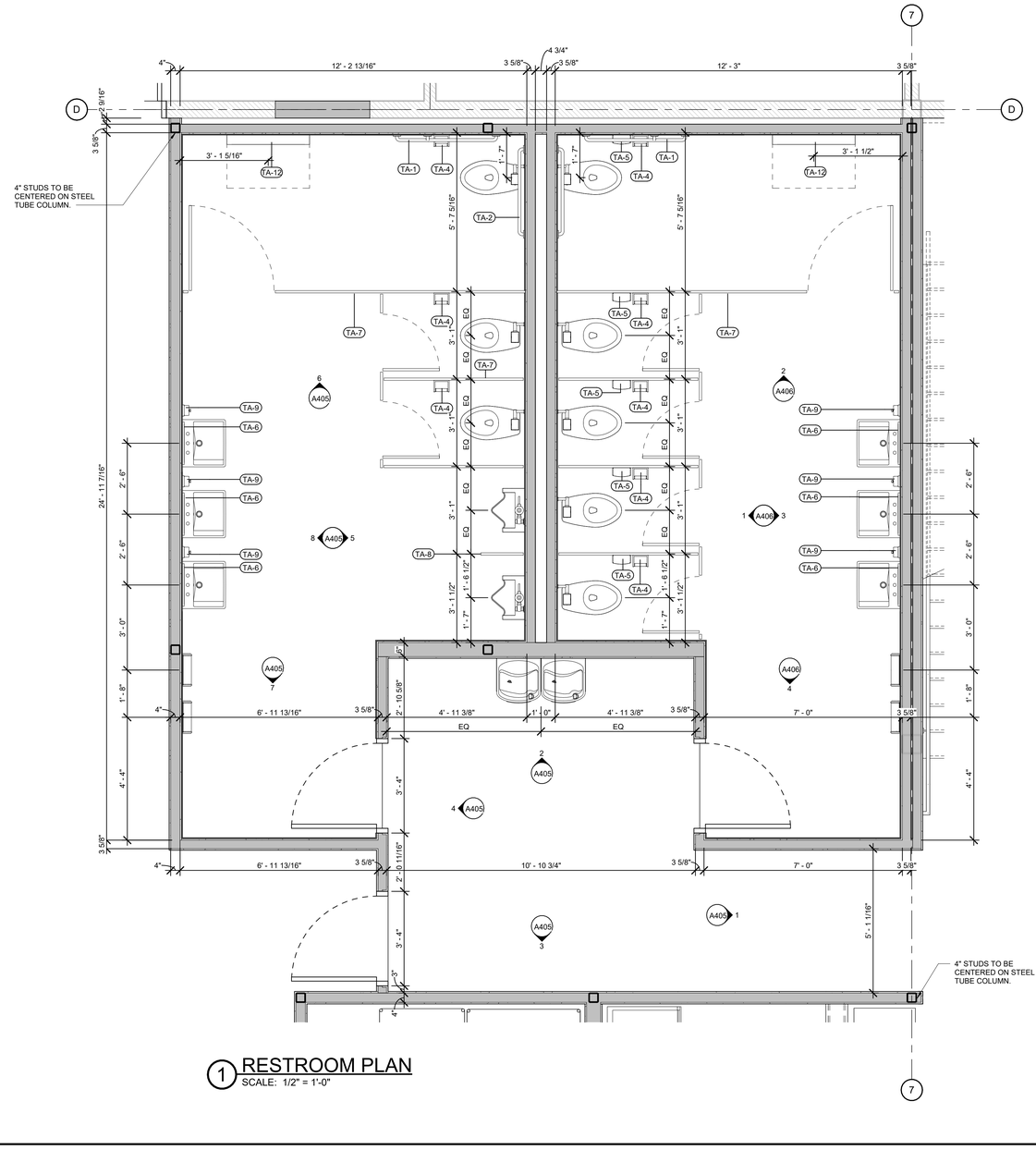
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
ENLARGED ELEVATIONS

SHEET NUMBER
A403



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

RESTROOM GENERAL NOTES

1. REFER TO THE FINISH SCHEDULE ON SHEET A601 FOR ALL FINISHES.
2. SEAL CONTINOUSLY AROUND ALL EDGES AT ADJOINING MATERIAL WITH CLEAR SILICONE (BASE TO WALLS, MIRROR TO WALL, ETC.)
3. REFER TO PLUMBING DRAWINGS FOR EXTENTS TO PLUMBING WORK. PROVIDE NEW PLUMBING FIXTURES AS NOTED ON PLUMBING SCHEDULES.
4. REFER TO RESTROOM REQUIREMENTS ON SHEET G002 FOR MOUNTING HEIGHTS OF ALL RESTROOM ACCESSORIES. PROVIDE 3/4" CDX PLYWOOD BLOCKING AT ALL GRAB BARS, TOILET PARTITIONS, LAVATORIES, HAND DRYERS, DISPENSERS, ETC.

RESTROOM ACCESSORIES

NOTES:
1. PROVIDE BLOCKING AS REQUIRED FOR ALL HARDWARE
2. REFER TO MEP DOCUMENTS FOR PLUMBING FIXTURE INFORMATION

DESCRIPTION	MARK	MANUFACTURER	MODEL #	NOTES
GRAB BAR - 42"	TA-1	BOBRICK B-5806 x 42	STAINLESS STEEL, SATIN	
GRAB BAR - 36"	TA-2	BOBRICK B-5806 x 36	STAINLESS STEEL, SATIN	
GRAB BAR - 18"	TA-3	BOBRICK B-5806 x18	STAINLESS STEEL, SATIN	
TOILET PAPER DISPENSER	TA-4	BOBRICK: B-273	CAST ALUMINUM, SATIN FINISH	
SANITARY NAPKIN DISPOSAL	TA-5	BOBRICK: B-270	SATIN FINISH STAINLESS STEEL	
MIRROR	TA-6		18" x 36" MIRROR W/ STAINLESS STEEL FRAME	
TOILET PARTITION	TA-7	BOBRICK	PREFERRED: PHENOLIC FASHION GREY, ALTERNATE 1 SOLID HDPE PLASTIC GRAY, ALTERNATE 2 SOLID HDPE PLASTIC BONE	COORDINATE W/ CM. PILASTERS TO BE FLOOR TO CEILING (FIELD VERIFY CEILING HEIGHT). GC TO PROVIDE 2x6" FIRE TREATED WOOD BLOCKING (HORIZONTALLY) ABOVE GYP. BD. CEILING. THE BLOCKING NEEDS TO BE CENTERED ON PARTITION PILASTERS (FIELD VERIFY).
TOILET PARTITION	TA-8	BOBRICK	PREFERRED: PHENOLIC FASHION GREY, ALTERNATE 1 SOLID HDPE PLASTIC GRAY, ALTERNATE 2 SOLID HDPE PLASTIC BONE	COORDINATE W/ CM.
WALL MOUNTED HAND SOAP DISPENSER	TA-9	BOBRICK B-2111	STAINLESS STEEL, SATIN	
BABY CHANGING TABLE	TA-12			
HAND DRYER	TA-14	BOBRICK B-7128	STAINLESS STEEL, SATIN	

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No. A4782
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

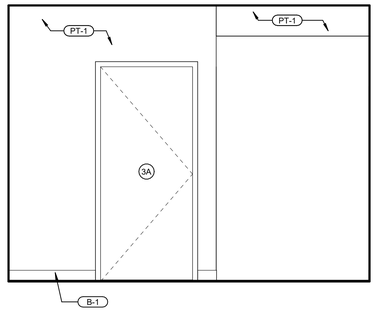
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
ENLARGED RESTROOM PLANS

SHEET NUMBER
A404



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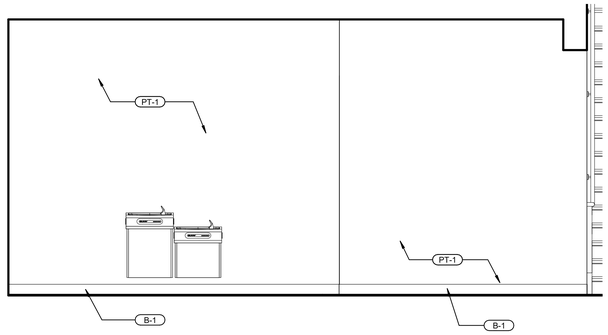

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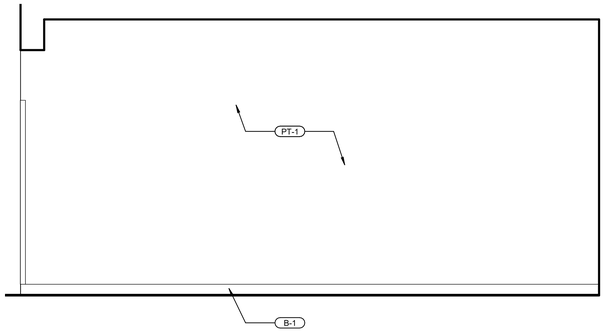

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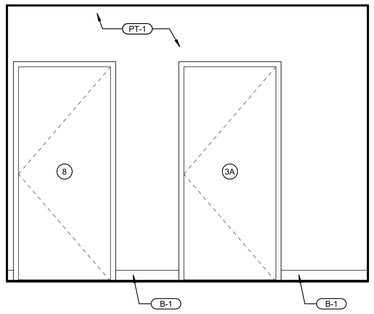

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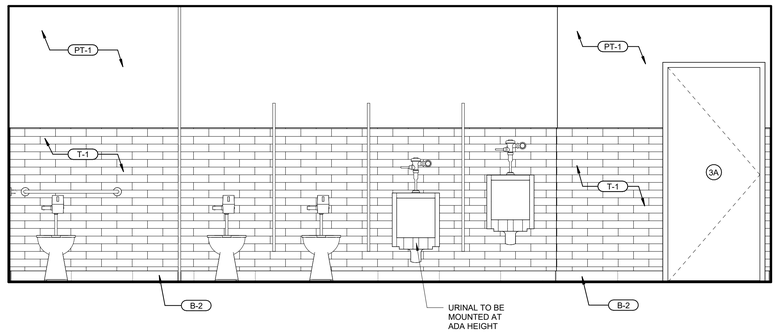

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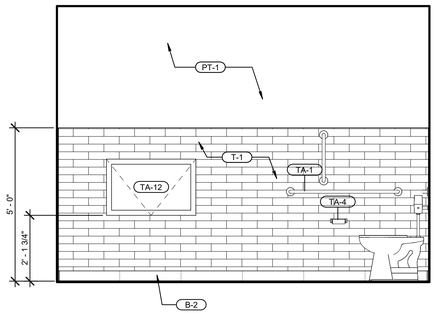

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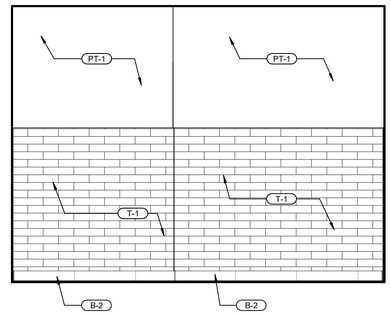

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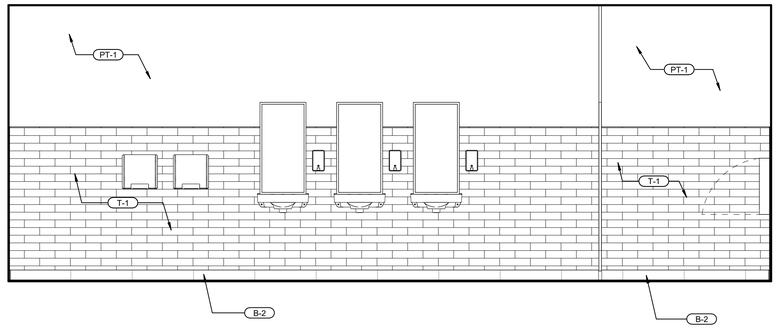

8 MEN
SCALE: 1/2" = 1'-0"

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STATE OF OKLAHOMA
KEVIN HENRICKSON
No. 24742
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

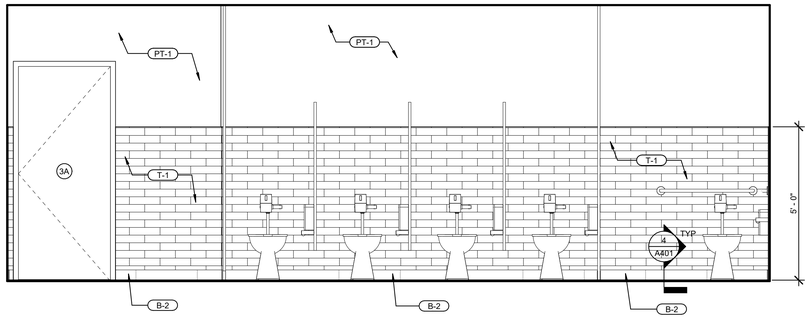
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
ENLARGED ELEVATIONS

SHEET NUMBER
A405



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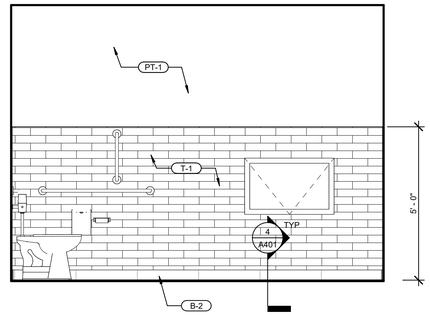

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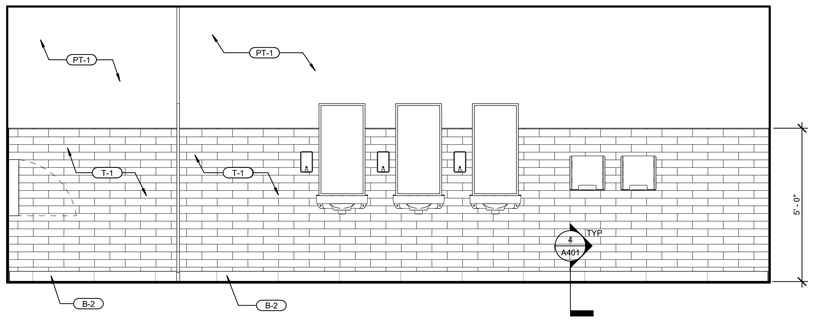
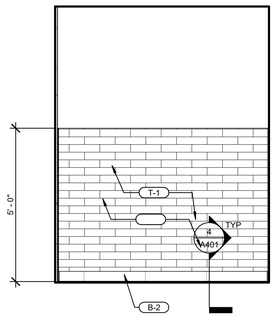


3 WOMEN
SCALE: 1/2" = 1'-0"



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

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NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSON
No. 24742
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

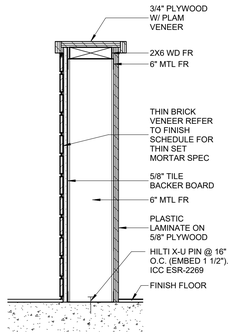
PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

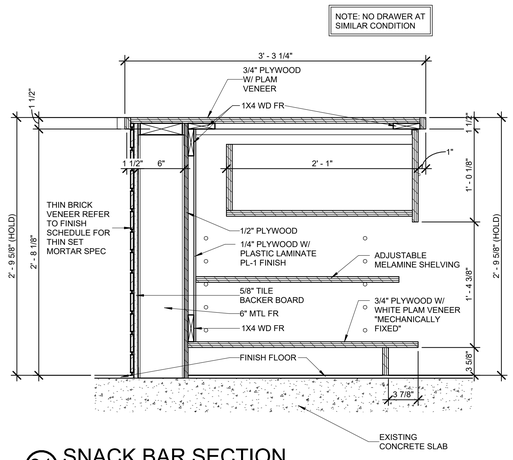
PROJECT NUMBER
26-0061

SHEET TITLE
ENLARGED ELEVATIONS

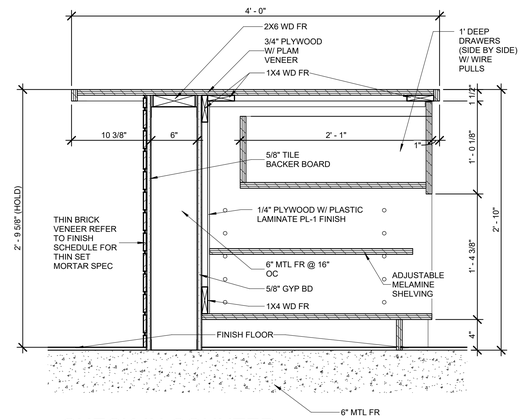
SHEET NUMBER
A406



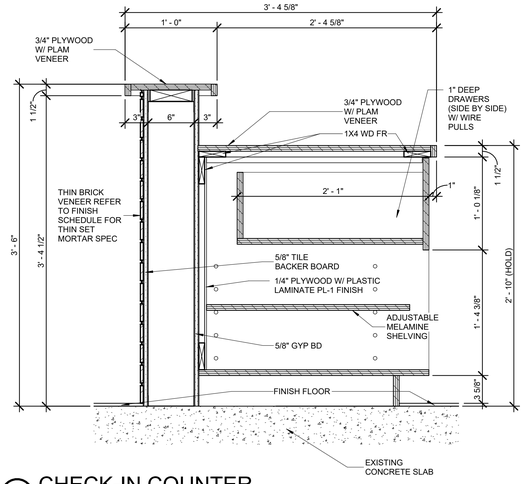
33 SNACK BAR SECTION
SCALE: 1 1/2" = 1'-0"



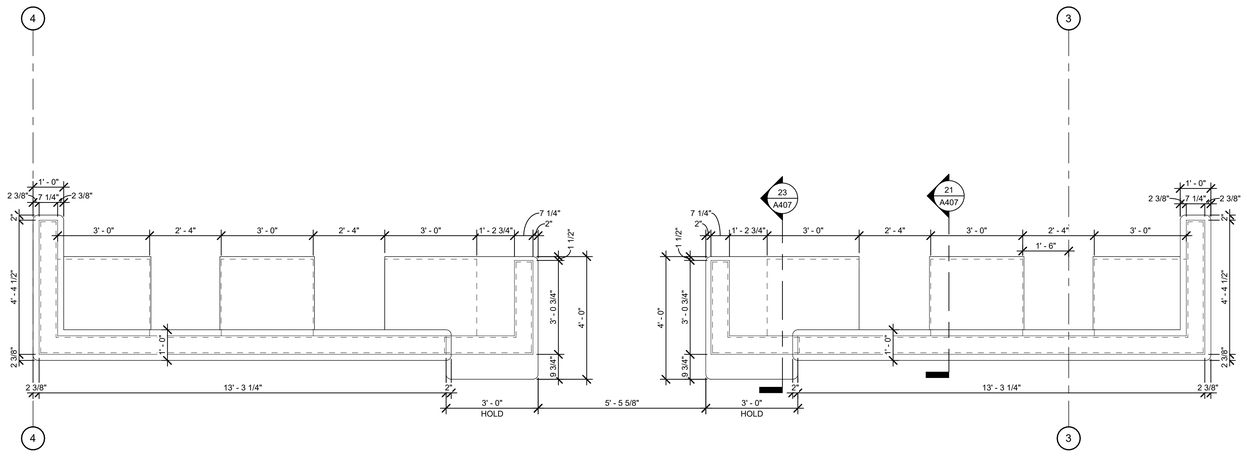
31 SNACK BAR SECTION
SCALE: 1 1/2" = 1'-0"



23 CHECK-IN COUNTER
SCALE: 1 1/2" = 1'-0"



21 CHECK-IN COUNTER
SCALE: 1 1/2" = 1'-0"



1 CHECK-IN COUNTER PLAN
SCALE: 1/2" = 1'-0"

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NO	DATE	REVISION

PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICKSEN
No. 24742
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
ENLARGED PLANS & DETAILS

SHEET NUMBER
A407

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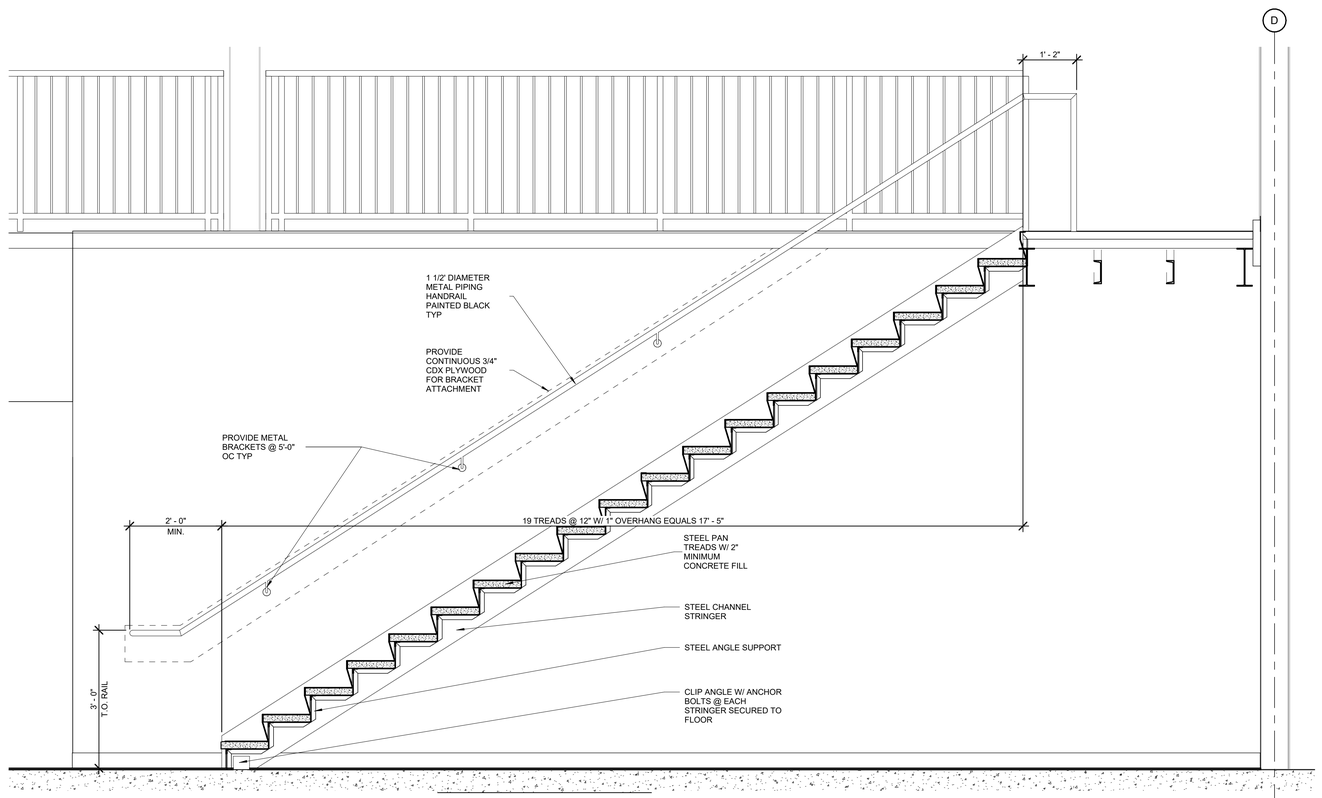
PROFESSIONAL SEAL

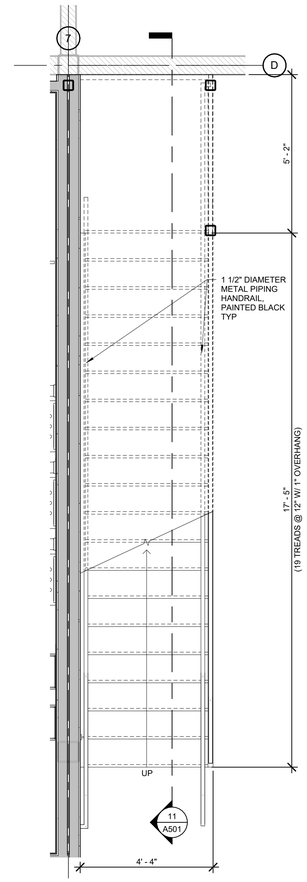
STATE OF OKLAHOMA
KEVIN HENRICKSEN
No. 14792
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26



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

NOTE: DESIGN OF METAL STAIR BY GC STEEL SUB-CONTRACTOR. DEFERRED SUBMITTAL



1 ENLARGED STAIR PLAN
SCALE: 1/2" = 1'-0"

REMODEL

PROJECT NAME

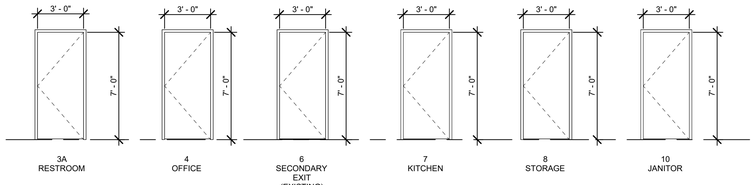
1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
INTERIOR DETAILS

SHEET NUMBER
A501

DOOR TYPES



3A RESTROOM | 4 OFFICE | 6 SECONDARY EXIT (EXISTING) | 7 KITCHEN | 8 STORAGE | 10 JANITOR

12 STORAGE ROLLING DOOR (EXISTING)

DOOR SCHEDULE

ABBREVIATIONS

ALUM	ALUMINUM	STN	STAIN
GL	GLASS	SST	STAINLESS STEEL
HM	HOLLOW METAL	STL	STEEL
PNT	PAINT	WD	WOOD
SCW	SOLID CORE WOOD		

GENERAL NOTES

1. G.C. TO SUBMIT CUT SHEET PACKAGE FOR OWNER APPROVAL PRIOR TO ORDERING HARDWARE PACKAGE.
2. ALL DOORS TO BE KEYED ALIKE.
3. MAIN ENTRY DOORS TO HAVE DECAL NEARBY IN 1" HIGH LETTERS THAT READS: "DOORS TO REMAIN UNLOCKED WHILE BUILDING IS OCCUPIED"

LOCATION	DOOR / HARDWARE TYPE	SIZE	DOOR		FRAME			COMMENTS
			THICKNESS	MATERIAL	MATERIAL	HEAD	JAMB	
RESTROOMS	3A	3' - 0" W x 7' - 0" H	1 3/4"	SWC	HM	18/A601	17/A601	SEE NOTES 2, 5, & 13
OFFICE	4	3' - 0" W x 7' - 0" H	1 3/4"	SWC	HM	18/A601	17/A601	SEE NOTES 2, 5, & 13
EXISTING SECONDARY EXIT	6	3' - 0" W x 7' - 0" H	1 3/4"	SWC	HM	18/A601	17/A601	SEE NOTES 2, 5, & 13
KITCHEN	7	3' - 0" W x 7' - 0" H	1 3/4"	SWC	HM	18/A601	17/A601	SEE NOTES 2, 5, & 13
STORAGE	8	3' - 0" W x 7' - 0" H	1 3/4"	SWC	HM	18/A601	17/A601	SEE NOTES 2, 5, & 13
JANITOR	10	3' - 0" W x 7' - 0" H	1 3/4"	SWC	HM	18/A601	17/A601	SEE NOTES 2, 5, & 13
VESTIBULE	11	6' - 0" W x 7' - 0" H	1 3/4"	ALUM. & GLASS	ALUM.			SEE NOTES 2, 5, 6, & 7
STORAGE	12	8' - 4" W x 8' - 9" H	1 1/2"	HM	HM			EXISTING DOOR TO REMAIN.
EXISTING ENTRY	13	12' - 7 7/8" W x 7' - 0" H	1 3/4"	ALUM. & GLASS	ALUM.			EXISTING DOOR TO REMAIN.

DOOR NOTES

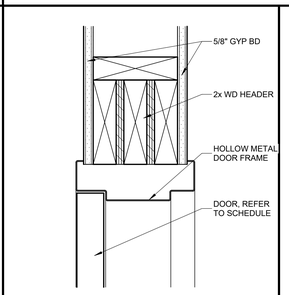
1. G.C. TO VERIFY EXISTING DOOR HARDWARE IS FULLY FUNCTIONAL & IN NO NEED OF REPAIR. REPLACE IF REQUIRED W/ IN-KIND MATERIAL & FUNCTIONALITY. REPLACE WEATHERSTRIPPING AS APPLICABLE.
2. WHERE UNDERCUT NOT SPECIFIED, STANDARD UNDERCUT OF 1" FOR HM & WOOD DOORS TO PROVIDE AIRFLOW.
3. EXISTING DOORS THAT ARE TO REMAIN, REFER TO DOOR HARDWARE SPECS FOR NEW HARDWARE. REPAIR DOORS AS REQUIRED TO BE FULLY FUNCTIONAL. EGRESS DOORS TO HAVE PANIC HARDWARE (CRASH BARS) INSTALLED PER CODE.
4. G.C. TO VERIFY ALL EXISTING HARDWARE & DOOR FUNCTIONS ARE OPERATIONAL & MEET CURRENT ADA REQUIREMENTS. REPAIR/REPLACE AS REQUIRED. PAINT DOOR TO MATCH EXISTING COLOR.
5. ALL DOOR HARDWARE SHALL COMPLY WITH ACCESSIBLE REQUIREMENTS FOR ACCESSIBILITY. - FEDERAL, STATE & LOCAL ACCESSIBILITY CODE(S). PROVIDE DOOR HARDWARE DEVICES THAT DO NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
6. ALL 'EXIT' DOORS MUST BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT.
7. ALL RATED DOORS SHALL BE PROVIDED W/ MIN. REQUIRED DOOR HARDWARE REGARDLESS IF NOT SHOWN ON SCHEDULE. IF DIRECTION INDICATED OR NOTED IS SPECIFICALLY IN CONTRADICTION TO WHAT IS REQUIRED IN RATED DOORS, CONTACT ARCHITECT.
8. ALL PASSAGE DOORS MUST HAVE A 32" MINIMUM CLEAR WIDTH OPENING WHEN DOOR IS FULLY OPEN.
9. ALL EXTERIOR DOORS MUST HAVE WEATHER STRIPPING WITH THE APPROPRIATE TYPE OF THRESHOLD.
10. OUT-SWINGING EXTERIOR DOORS MUST HAVE CLOSED TOPS.
11. LOCK DOOR IN CLOSED POSITION & TO BE LABELED WITH SIGNAGE "NOT AN EXIT" ON THE INTERIOR.
12. DOORS TO BE REUSED WHERE POSSIBLE IF IN GOOD WORKING ORDER.
13. DOORS & FRAMES SHALL BE PAINTED TO MATCH ADJACENT WALL (EACH SIDE). FINISH TO BE SEMI-GLOSS UNO

HARDWARE SCHEDULE

TYPE	HARDWARE
3A	3 HINGES 1 PUSH PLATE 1 PULL BAR 1 CLOSER 2 KICKPLATES 3 SILENCERS 1 WALL STOP
4	3 EA HINGES 1 OFFICE LOCKSET 1 CLOSER 3 EA SILENCERS 1 WALL STOP
6	EXIST HARDWARE HINGE, CLOSER, SEALS, THRESHOLD, DEADBOLT CAN REMAIN IF IN LIKE NEW COND, OTHERWISE SPECIFIED PER BELOW. 3 HINGES 1 CLOSER 1 SET SEALS 1 THRESHOLD 1 DOOR VIEWER 1 EA EXIT DEVICE / PANIC HARDWARE 1 EA 1 1/4" MORTISE CYLINDER.
7	3 HINGES 1 PASSAGE SET 1 DUMMY HANDLES 3 SILENCERS 1 WALL STOP
8	3 EA HINGES 1 STOREROOM LOCKSET 3 EA SILENCERS 1 WALL STOP
10	3 EA HINGES 1 OFFICE LOCKSET 1 CLOSER 3 EA SILENCERS 1 WALL STOP
11	EXISTING HARDWARE TO REMAIN
12	EXISTING HARDWARE TO REMAIN
13	EXISTING HARDWARE TO REMAIN IF IN LIKE NEW CONDITION, OTHERWISE REPAIR OR REPLACE

FINISH SCHEDULE

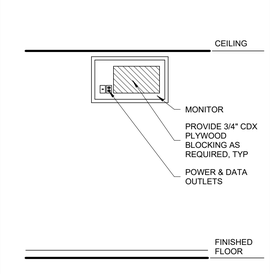
MARK	DESCRIPTION
BASES	
B-1	4" COVED RUBBER BASE COLOR: BLACK NOTES: PROVIDED BY GC, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
B-2	4" TILE BASE TO MATCH T-3 CUT AS REQUIRED NOTES: PROVIDED BY GC, INSTALLED BY GC REFER TO DETAIL 3/A401 (VERIFY)
CEILINGS	
ACT-1	2'x4' ARMSTRONG FINE FISSURED #1729 LAY-IN CEILING PANELS W/ PRELUDE ML 15/16" GRID SYSTEM COLOR: WHITE GRID: WHITE OR APPROVED EQUAL
ACT-2	2'x4' ARMSTRONG SUSPENDED VINYL FACED GYP. BD. W/ T-BAR GRID AT KITCHEN AREAS OR PROVIDE EQUAL USG PRODUCT
GYP-1	GYPSUM WALLBOARD PAINT WHITE WITH SEMI-GLOSS FINISH
CORNER GUARD	
CG-1	2"x2"x72" PVC CORNER GUARDS FROM TOP OF BASE COLOR: WHITE OWNER TO PROVIDE SPECIFICATION
FLOORING	
EVA-1	ENGINEERED INTERLOCKING TILE NOTES: PROVIDED BY OWNER, INSTALLED BY GC OWNER TO PROVIDE SPECIFICATION
PC-1	PAINTED CONCRETE BLACK EPOXY PAINT
RF-1	6 MM THICK RUBBER FLOORING ADHESIVE MANUFACUTER: MAPEI PRODUCT: ULTRABOND ECO 980 RUBBER FLOOR SUPPLIED BY OWNER ADHESIVE BY GC, INSTALLED BY GC
SC-1	PAINTED CONCRETE BLACK EPOXY PAINT
T-3	MANUFACTURER: FLORIDA TILE PRODUCT #: NY2LA SIZE: 12"x24" NAME: RIVERSIDE STEEL GROUT MANUFACTURER MAPEI PRODUCT: UCP COLOR: 5002 PEWTER
PAINT	
PT-1	COLOR: BLUE CHIP MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6959 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-2	COLOR: CONFIDENT YELLOW MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW6911 FINISH: SATIN ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-3	COLOR: EXUBERANT PINK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW 6480 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-4	COLOR: BLACK MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: PPG: BX50Y + 12 1/2 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PT-7	COLOR: MINDFUL GRAY MANUFACTURER: SHERWIN WILLIAMS PAINT MATCH #: SW7016 FINISH: EGGSHELL ALTERNATES TO MATCH SHERWIN WILLIAMS #: PPG, BENJAMIN MOORE
PLASTIC LAMINATE	
PL-1	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DESIGNER WHITE D354 NOTES: CABINETS
PL-2	PRODUCT: WILSONART PLASTIC LAMINATE COLOR: DOVE GREY D92 NOTES: COUNTERTOPS
PL-3	WHITE MELAMINE NOTES: ADJUSTABLE SHELVING
WALLS	
BV-1	BRICK VENEER FURNISHED BY OWNER, INSTALLED BY GC MORTAR MANUFACTURER: VERSABOND #2 NAME: THIN-SET MORTAR
FRP-1	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: SUBWAY TILE PATTERN
FRP-2	MANUFACTURER: MARLITE COLOR: WHITE PATTERN: PEBBLED
SS-1	STAINLESS STEEL STANDARD MILL 20 GA "FLAT" PROVIDE STAINLESS TRANSITIONS AS REQUIRED
T-1	PRODUCT: CANVAS MERINGUE II POLISHED CERAMIC TILE SKU: 100655299 SIZE: 3"x12" COLOR: WHITE GROUT PRODUCT: MAPEI 5027 SILVER ULTRACOLOR PLUS FA GROUT SKU: 100221316 COLOR: SILVER GROUT LINE: 1/8"
WOOD	
	MAPLE STAINED NOTES: WOOD DOOR FOR OFFICE, CLOSET, JANITOR ETC



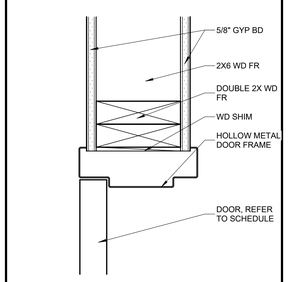
18 HM DOOR HEAD
SCALE: 3" = 1'-0"

(SUPPORT SECTION)

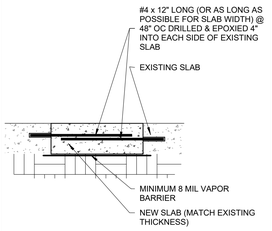
7 SEATING COUNTER SECTION
SCALE: 1 1/2" = 1'-0"



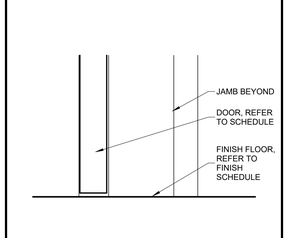
22 MONITOR DETAIL
SCALE: 3/8" = 1'-0"



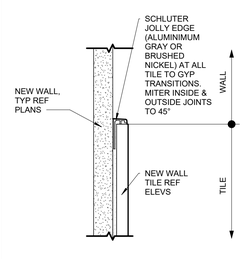
17 HM DOOR JAMB
SCALE: 3" = 1'-0"



21 TRENCH FILL
SCALE: 1" = 1'-0"



16 HM DOOR SILL
SCALE: 3" = 1'-0"



TRANS @ WALL TILE TO GYP
1 SCALE: 6" = 1'-0"

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PROFESSIONAL SEAL

STATE OF OKLAHOMA
KEVIN HENRICHS
LIC. #24736
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
DOOR & WINDOW SCHEDULES

SHEET NUMBER
A601

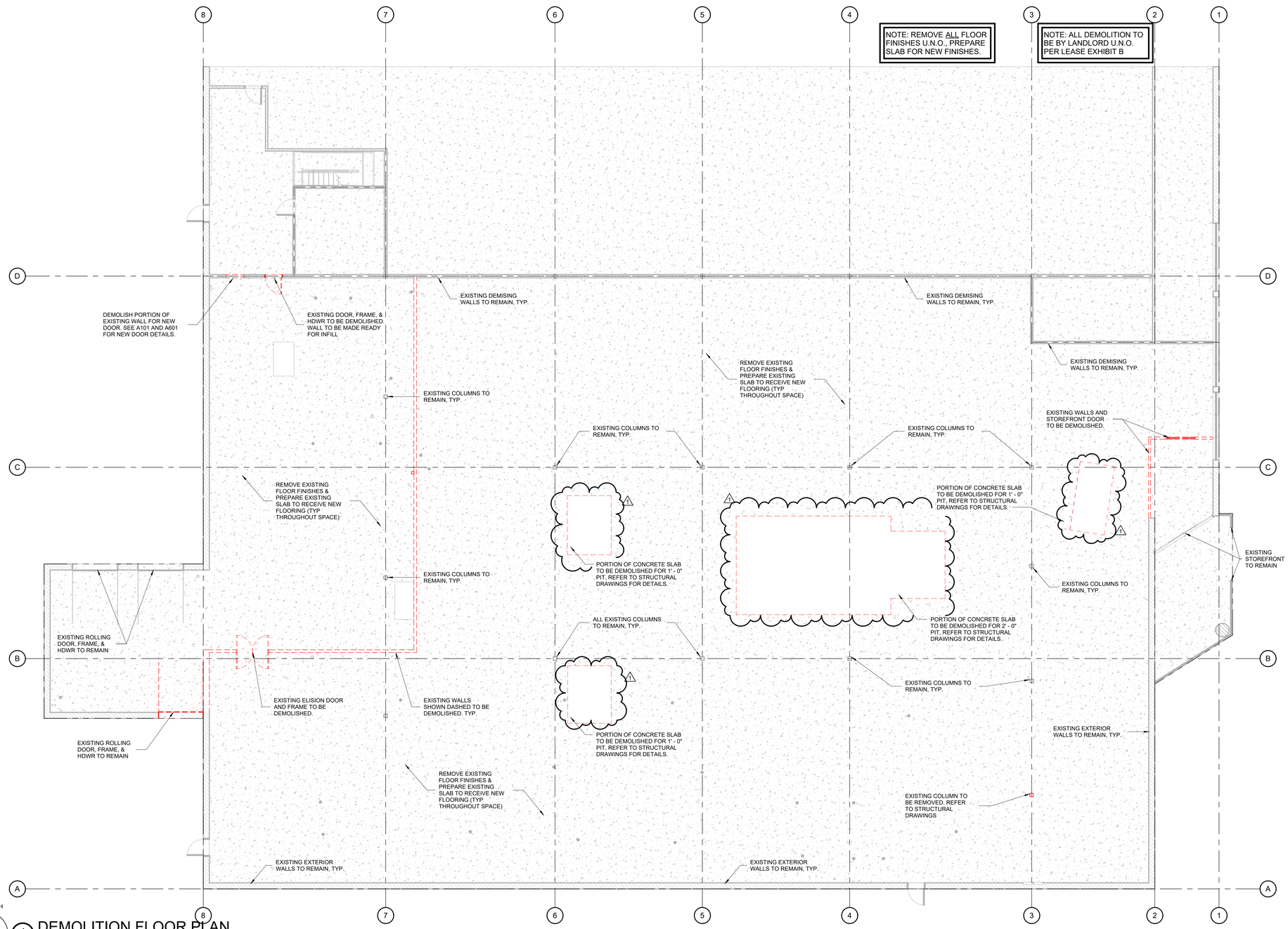
DEMOLITION PLAN GENERAL NOTES

1. CONTRACTOR TO VISIT SITE & VERIFY THE EXTENT OF DEMOLITION SHOWN HERE PRIOR TO BID & COORDINATE WITH OWNER'S REPRESENTATIVE FOR THE FULL SCOPE OF WORK.
2. PROTECT SURFACES THAT ARE TO REMAIN DURING DEMOLITION, G.C. TO PATCH & REPAIR AS NECESSARY.
3. DO NOT OVERLOAD STRUCTURAL ELEMENTS. PROVIDE NEW SUPPORTS & REINFORCEMENT FOR EXISTING CONSTRUCTION WEAKENED BY DEMOLITION OR REMOVAL WORK.
4. WHERE PORTIONS OF THE INTERIOR SURFACES OF THE FACILITY ARE EXPOSED TO THE WEATHER PROTECT ALL SURFACES AT ALL TIMES WITH VISQUEEN.
5. PROTECT ALL ELECTRICAL & MECHANICAL SERVICES, WHICH ARE TO REMAIN.
6. TERMINATE ALL ELECTRICAL & MECHANICAL SERVICE THAT ARE TO BE REMOVED IN A MANNER CONFORMING TO THE NATIONALLY RECOGNIZED CODE COVERING THE SPECIFIC UTILITY & SATISFACTORY TO THE OWNER & BUILDING OFFICIALS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUESTING ALL INSPECTIONS REQUIRED.
8. ON COMPLETION OF EACH DAYS WORK, DEMOLITION DEBRIS SHALL BE REMOVED & SHALL BE LEFT IN A CLEAN CONDITION, SATISFACTORY TO THE OWNER.
9. REMOVE & TRANSPORT DEBRIS & RUBBISH IN A MANNER THAT WILL PREVENT SPILLAGE ON STREETS & ADJACENT AREAS. CLEAN UP SPILLAGE FROM STREETS & ADJACENT AREAS, WHERE OCCURS. COMPLY WITH FEDERAL, STATE & LOCAL HAULING & DISPOSAL REGULATIONS.
10. AFTER DEMOLITION, THE CONTRACTOR SHALL VERIFY & ENSURE FULL OPERATION OF EXISTING ELECTRICAL DEVICES THAT ARE TO REMAIN.
11. PROVIDE DUST BARRIERS AT LOCATIONS DIRECTED BY LANDLORD.
12. ALL WORK SHALL COMPLY WITH ALL STATE & LOCAL BUILDING CODES, ORDINANCES, & ANY GOVERNING AGENCIES HAVING JURISDICTION.
13. THE CONTRACTOR SHALL CONFINE THEIR OPERATIONS ON THE SITE TO AREAS AS PERMITTED BY THE LANDLORD.
14. G.C. TO PROVIDE CONSTRUCTION BARRICADES AS REQUIRED BY LANDLORD. FIELD VERIFY REQUIREMENTS WITH LANDLORD.
15. MAINTAIN INTEGRITY OF ALL FIRE RATED PARTITIONS OR SHAFTS - G.C. TO REPAIR/REPLACE FIRE PROOFING DAMAGED DURING DEMOLITION.
16. ALL EXISTING DOORS THAT ARE TO REMAIN, TENANT & G.C. TO VERIFY CONDITION & HARDWARE REFURBISHED TO LIKE NEW CONDITION. COORDINATE REPLACEMENT & HARDWARE W/ ARCHITECT
17. ANY CHANGES TO THE DRAWINGS OR CONTRACT DOCUMENTS SHALL BE APPROVED IN WRITING BY OWNER'S REP PRIOR TO START OF WORK.
18. SPRINKLER SYSTEM IS TO REMAIN, SHOULD MODIFICATIONS BE NECESSARY G.C. SHALL COORDINATE WORK TO BE PERFORMED UNDER A LICENSED FIRE PROTECTION ENGINEER. POTENTIAL WORK TO BE DESCRIBED UNDER A DEFERRED SUBMITTAL.
19. EXISTING STOREFRONT SYSTEMS THAT ARE TO REMAIN MUST HAVE HOLES, DAMAGE, ETC. PATCHED & REPAIRED AS NEEDED.
20. REMOVE UNUSED FIRE ALARM EQUIPMENT AS NECESSARY.
21. WHEN WALLS, COLUMNS OR OTHER SUPPORTING &/OR BRACING ELEMENTS ARE SCHEDULED FOR DEMOLITION, STRUCTURAL SUPPORTS & BRACING FOR THE ADJACENT CONSTRUCTION SHALL BE PROVIDED & MAINTAINED UNTIL THE PERMANENT SUPPORTING STRUCTURES ARE IN PLACE & ABLE TO SUPPORT IMPOSED LOADS.

DEMO LEGEND

EXISTING WALL TO REMAIN

EXISTING CONSTRUCTION TO BE DEMOLISHED



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

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION
1	08/11/26	CITY COMMENTS

PROFESSIONAL SEAL

STATE OF OKLAHOMA · KEVIN HENRICHSEN · 27 · No. 28472 · DALLAS, TEXAS · LICENSED ARCHITECT

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
DEMOLITION FLOOR PLAN

SHEET NUMBER
D101

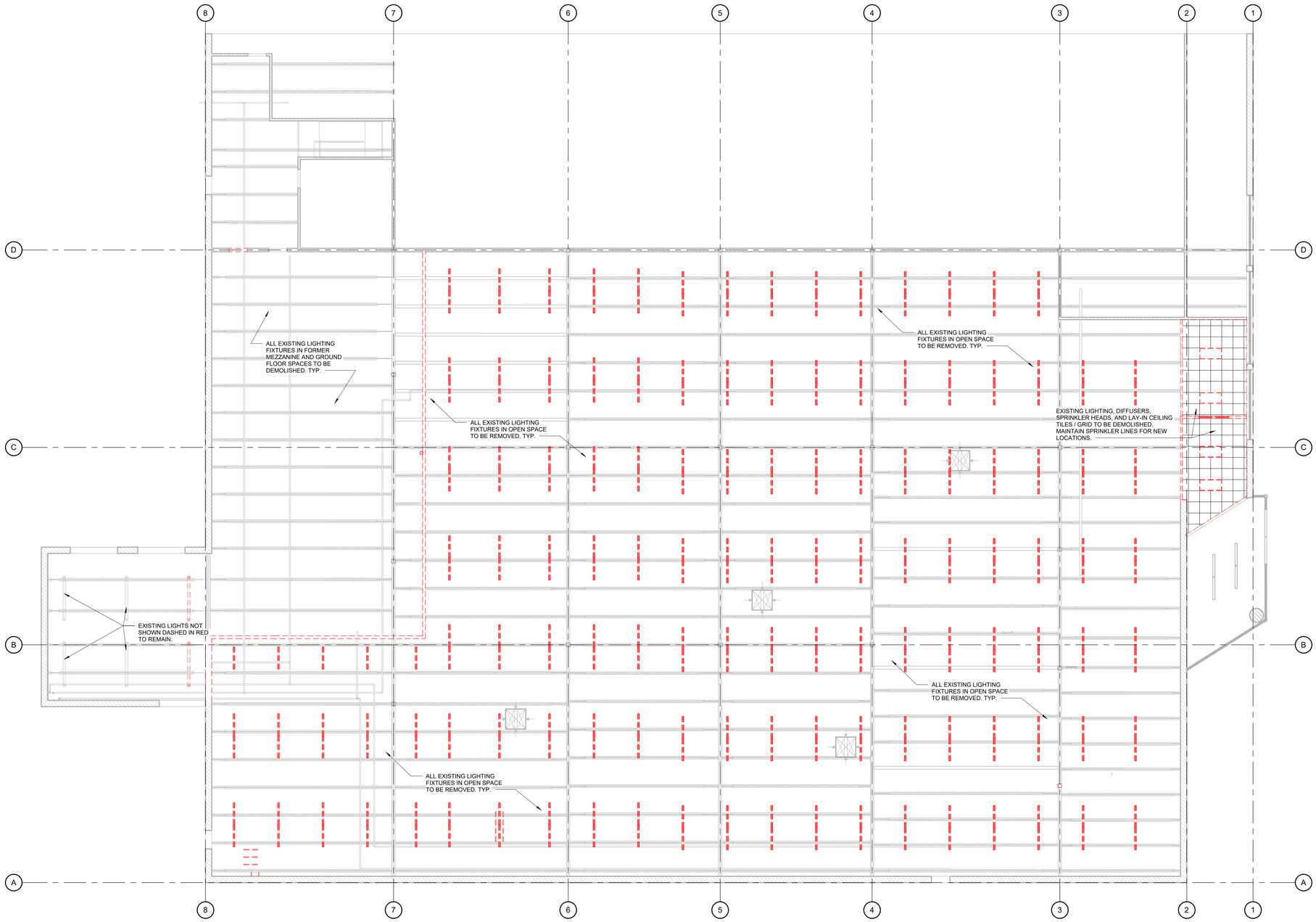
DEMOLITION PLAN GENERAL NOTES

1. CONTRACTOR TO VISIT SITE & VERIFY THE EXTENT OF DEMOLITION SHOWN HERE PRIOR TO BID & COORDINATE WITH OWNER'S REPRESENTATIVE FOR THE FULL SCOPE OF WORK.
2. PROTECT SURFACES THAT ARE TO REMAIN DURING DEMOLITION, G.C. TO PATCH & REPAIR AS NECESSARY.
3. DO NOT OVERLOAD STRUCTURAL ELEMENTS. PROVIDE NEW SUPPORTS & REINFORCEMENT FOR EXISTING CONSTRUCTION WEAKENED BY DEMOLITION OR REMOVAL WORK.
4. WHERE PORTIONS OF THE INTERIOR SURFACES OF THE FACILITY ARE EXPOSED TO THE WEATHER PROTECT ALL SURFACES AT ALL TIMES WITH VISQUEEN.
5. PROTECT ALL ELECTRICAL & MECHANICAL SERVICES, WHICH ARE TO REMAIN.
6. TERMINATE ALL ELECTRICAL & MECHANICAL SERVICE THAT ARE TO BE REMOVED IN A MANNER CONFORMING TO THE NATIONALLY RECOGNIZED CODE COVERING THE SPECIFIC UTILITY & SATISFACTORY TO THE OWNER & BUILDING OFFICIALS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUESTING ALL INSPECTIONS REQUIRED.
8. ON COMPLETION OF EACH DAYS WORK, DEMOLITION DEBRIS SHALL BE REMOVED & SHALL BE LEFT IN A CLEAN CONDITION, SATISFACTORY TO THE OWNER.
9. REMOVE & TRANSPORT DEBRIS & RUBBISH IN A MANNER THAT WILL PREVENT SPILLAGE ON STREETS & ADJACENT AREAS. CLEAN UP SPILLAGE FROM STREETS & ADJACENT AREAS, WHERE OCCURS. COMPLY WITH FEDERAL, STATE & LOCAL HAULING & DISPOSAL REGULATIONS.
10. AFTER DEMOLITION, THE CONTRACTOR SHALL VERIFY & ENSURE FULL OPERATION OF EXISTING ELECTRICAL DEVICES THAT ARE TO REMAIN.
11. PROVIDE DUST BARRIERS AT LOCATIONS DIRECTED BY LANDLORD.
12. ALL WORK SHALL COMPLY WITH ALL STATE & LOCAL BUILDING CODES, ORDINANCES, & ANY GOVERNING AGENCIES HAVING JURISDICTION.
13. THE CONTRACTOR SHALL CONFINE THEIR OPERATIONS ON THE SITE TO AREAS AS PERMITTED BY THE LANDLORD.
14. G.C. TO PROVIDE CONSTRUCTION BARRICADES AS REQUIRED BY LANDLORD. FIELD VERIFY REQUIREMENTS WITH LANDLORD.
15. MAINTAIN INTEGRITY OF ALL FIRE RATED PARTITIONS OR SHAFTS - G.C. TO REPAIR/REPLACE FIRE PROOFING DAMAGED DURING DEMOLITION.
16. ALL EXISTING DOORS THAT ARE TO REMAIN, TENANT & G.C. TO VERIFY CONDITION & HARDWARE REFURBISHED TO LIKE NEW CONDITION. COORDINATE REPLACEMENT & HARDWARE W/ ARCHITECT
17. ANY CHANGES TO THE DRAWINGS OR CONTRACT DOCUMENTS SHALL BE APPROVED IN WRITING BY OWNER'S REP PRIOR TO START OF WORK.
18. SPRINKLER SYSTEM IS TO REMAIN, SHOULD MODIFICATIONS BE NECESSARY G.C. SHALL COORDINATE WORK TO BE PERFORMED UNDER A LICENSED FIRE PROTECTION ENGINEER. POTENTIAL WORK TO BE DESCRIBED UNDER A DEFERRED SUBMITTAL.
19. EXISTING STOREFRONT SYSTEMS THAT ARE TO REMAIN MUST HAVE HOLES, DAMAGE, ETC. PATCHED & REPAIRED AS NEEDED.
20. REMOVE UNUSED FIRE ALARM EQUIPMENT AS NECESSARY.
21. WHEN WALLS, COLUMNS OR OTHER SUPPORTING &/OR BRACING ELEMENTS ARE SCHEDULED FOR DEMOLITION, STRUCTURAL SUPPORTS & BRACING FOR THE ADJACENT CONSTRUCTION SHALL BE PROVIDED & MAINTAINED UNTIL THE PERMANENT SUPPORTING STRUCTURES ARE IN PLACE & ABLE TO SUPPORT IMPOSED LOADS.

DEMO LEGEND

EXISTING WALL TO REMAIN

EXISTING CONSTRUCTION TO BE DEMOLISHED



PLAN NORTH

N

1 DEMOLITON REFLECTED CEILING PLAN

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

Apogee
Architectural Partners
A Spirit Led Company

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PROJECT NAME

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NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
DEMOLITION REFLECTED CEILING PLAN

SHEET NUMBER

D131

ELECTRICAL ABBREVIATIONS:

A	AMPS
A/E	ARCHITECT/ENGINEER
ABV	ABOVE
AC	ABOVE COUNTER
ACP	ACCESS CONTROL PANEL
ACPS	ACCESS CONTROL POWER SUPPLY
ACS	ACCESS CONTROL SYSTEM
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
ALT	ALTERNATE
ALT SW	ALTERNATOR SWITCH
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO-VISUAL
BC	BELOW COUNTER
BFG	BELOW FINAL GRADE
BKR	BREAKER
BLDG	BUILDING
BOL	BUILT IN OVERLOAD
BPC	BOLTED PRESSURE CONTACT SWITCH
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CP	CONTROL PANEL
CS	COMBINATION STARTER
CT	CURRENT TRANSFORMER
CTRL	CONTROLLER
DE	DUAL ELEMENT FUSES
DIR	DIRECT
DISC	DISCONNECT
DN	DOWN
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION REFERENCE
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
EOL	END OF LINE RESISTOR
EP	EXPLOSION PROOF
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
F	FUSE
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FAC	FIRE ALARM CABINET
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FDR	FEEDER
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLR	FLOOR
FLUOR	FLUORESCENT
FS	FLOW SWITCH
FVNR	FULL VOLTAGE NON-REVERSING
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
GRD	GROUND
GYP	GYPSUM BOARD
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO SWITCH
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HVAC	HEATING & VENTILATING - AIR CONDITIONING
HVC	HEATING VENTILATING CONTRACTOR
HW	HEAVYWALL
ICP	INTERCOM CONTROL PANEL
ICPS	INTERCOM POWER SUPPLY
ID	INDIRECT
IDF	INTERMEDIATE DISTRIBUTION FRAME
IL	INTERLOCK
IMC	INTERMEDIATE METAL CONDUIT
INC	INCANDESCENT
IU	IN UNIT
J-BOX	JUNCTION BOX
LCP	LIGHTING CONTROL PANEL
LG	LAY-IN GRID
LTG	LIGHTING
LV	LOW VOLTAGE
LVT	LINE VOLTAGE THERMOSTAT
MAG	MAGNETIC STARTER
MAN	MANUAL STARTER
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FRAME
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURERR
MLO	MAIN LUGS ONLY
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
NIC	NOT IN CONTRACT
NU	NEAR UNIT
OU	ON UNIT
P	POLE
PB	PUSH BUTTON
PC	PHOTO CONTROL
PCP	PAGING CONTROL PANEL
PCPS	PAGING CONTROL POWER SUPPLY
PE SW	PNEUMATIC SWITCH
PEND	PENDANT
PLBG	PLUMBING CONTRACTOR
PNL	PANEL
R	RELAY
REC	RECESS
RECEPT	RECEPTACLE
RM	ROOM
RVS	REDUCED VOLTAGE STARTING
S	SPLINE
SDB	SUB-DISTRIBUTION BOARD
SEL SW	SELECTOR SWITCH
SP SW	SPEED SWITCH
SURF	SURFACE
SW	SWITCH
T-STAT	THERMOSTAT
TC	TIME CLOCK
TCC	TEMPERATURE CONTROL CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
TS	TAMPER SWITCH
TYP	TYPICAL
UG	UNDERGROUND
UNIV	UNIVERSAL
USS	UNIT SUBSTATION
VS	VIDEO SURVEILLANCE
WP	WEATHERPROOF
XFMR	TRANSFORMER

RENOVATION LEGEND:

<E>	EXISTING TO REMAIN
<EC>	EXISTING DEVICE TO REMAIN. NEW CIRCUIT AS INDICATED
<ED>	EXISTING LOCATION, NEW DEVICE OR EQUIPMENT TO BE INSTALLED IN PLACE
<EL>	EXISTING LIGHT FIXTURE TO REMAIN. NEW LAMPING AS INDICATED
<ER>	EXISTING TO BE RELOCATED
<EO>	EXISTING TO BE REMOVED
<EN>	EXISTING IN NEW LOCATION
<N>	NEW
<RAI>	REMAIN AS IS

SYMBOL LIST NOTE:

MOUNTING HEIGHTS FOR DEVICES AND EQUIPMENT TO BE MEASURED FROM FLOOR TO CENTERLINE OF DEVICE. DEVICES EXTENDING GREATER THAN 4" FROM THE WALL SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 80" AFF TO BOTTOM OF DEVICE.

PANELS:

'XXX' 'XXX' — ELECTRICAL PANEL - SURFACE / RECESSED

EQUIPMENT CABINETS:

WITHOUT DOOR - SURFACE / RECESSED

WITH DOOR - SURFACE / RECESSED

DENOTES THE FOLLOWING
- (BDAP) BI-DIRECTIONAL AMPLIFIER PANEL (2 WAY COMM)
- (ERP) ELEVATOR RECALL PANEL
- (ESP) ELEVATOR STATUS PANEL
- (FAAP) FIRE ALARM ANNUNCIATOR PANEL
- (FACP) FIRE ALARM CONTROL PANEL
- (GAP) GENERATOR ANNUNCIATOR PANEL
- (HPCP) HOSPITAL PAGING CONTROL PANEL
- (LCP) LIGHTING CONTROL PANEL
- (MSCP) MUSIC SYSTEM CONTROL PANEL
- (NACP) FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT - CONTROL PANEL
- (NCCP) NURSE CALL CONTROL PANEL
- (RACP) RESCUE ASSISTANCE CONTROL PANEL
- (SACP) SECURITY ACCESS CONTROL PANEL
- (SCP) SMOKE CONTROL PANEL
- (SMCP) SOUND MASKING CONTROL PANEL

POWER:

SIMPLEX RECEPTACLE - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

DUPLEX RECEPTACLE - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

XXX DENOTES THE RECEPTACLE TYPE OR EQUIPMENT SERVED
- (AF) ARC FLASH (AFCI)
- (CL) CLOCK RECEPTACLE
- (CM) COFFEE MAKER
- (D) DEDICATED CIRCUIT
- (DD) DOUBLE DUPLEX
- (FZR) FREEZER
- (ICE) ICE MAKER
- (MW) MICROWAVE
- (REF) REFRIGERATOR
- (TR) TAMPER RESISTANT
- (TV) MOUNTED ADJACENT TO TELEVISION
- (UCR) UNDER CABINET REFRIGERATOR
- (WP) WEATHERPROOF WITH GFI RECEPTACLE

X DENOTES CIRCUIT NUMBER (SEE PANEL BOUNDARIES)

DUPLEX RECEPTACLE - ISOLATED GROUND - MOUNTED AT 18" AFF UNLESS NOTED OTHERWISE

DUPLEX RECEPTACLE - GFCI (INDICATED BY CENTER HATCH) - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

DUPLEX RECEPTACLE - GFCI - MOUNTED 4" ABOVE COUNTERTOP OR COUNTER BACKSPLASH WHERE PRESENT

DUPLEX RECEPTACLE - SWITCHED TOP HALF - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

DUPLEX RECEPTACLE - MOUNTED 4" ABOVE COUNTERTOP OR COUNTER BACKSPLASH WHERE PRESENT

DUPLEX RECEPTACLE - CEILING MOUNTED

DUPLEX RECEPTACLE - FURNITURE MOUNT

NON NEMA 5-20R RECEPTACLE

QUADRUPLEX RECEPTACLE - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

QUADRUPLEX RECEPTACLE - GFCI (INDICATED BY CENTER HATCH) - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

QUADRUPLEX RECEPTACLE - SWITCHED TOP HALF - MOUNTED 18" AFF UNLESS NOTED OTHERWISE

QUADRUPLEX RECEPTACLE - MOUNTED 4" ABOVE COUNTERTOP OR COUNTER BACKSPLASH WHERE PRESENT

QUADRUPLEX RECEPTACLE - CEILING MOUNTED

QUADRUPLEX RECEPTACLE - FURNITURE MOUNT

QUADRUPLEX RECEPTACLE - ISOLATED GROUND

SPECIAL OUTLET (SEE SCHEDULE). WALL / CEILING OR FLOOR MOUNTED

FLOOR MOUNTED ELECTRICAL BOX (SEE SCHEDULE FOR DEVICES REQUIRED)

# DENOTES CIRCUIT NUMBER (SEE PANEL BOUNDARIES) - TYPICAL

X INDICATES DEVICE TYPE (SEE SCHEDULE)

POWER POLE. X DENOTES DEVICE TYPE AND INCLUDED RECEPTACLES.

DISCONNECT SWITCH

FUSED DISCONNECT SWITCH

MOTOR STARTER

METER SOCKET

TRANSFORMER. WALL / FLOOR MOUNTED

T-XX T-XX — INDICATES TRANSFORMER MOUNTED ON EQUIPMENT PAD

JUNCTION BOX WITH WHIP FOR FURNITURE FEED

JUNCTION BOX

PULL BOX

LIGHTNING PROTECTION SYSTEM

XXX DENOTES THE FOLLOWING
- (ATH) AIR TERMINAL ROOF DECK
- (ATV) AIR TERMINAL PARAPET
- (GRD) GROUND TO DOWN CONDUCTOR
- (GRS) GROUND TO BUILDING STEEL
- (RPD) ROOF PENETRATION TO DOWN CONDUCTOR
- (RPS) ROOF PENETRATION TO BUILDING STEEL

PUSHBUTTON SWITCH - MOUNT AT 44" AFF UNLESS NOTED OTHERWISE

XXX DENOTES THE FOLLOWING
- (CD) COMPUTER DROP OUT
- (D) DOOR BELL STATION
- (EPO) EMERGENCY - POWER OFF STATION
- (ES) EQUIPMENT SHUTDOWN
- (F) FAN SHUTDOWN

AD — AUTOMATIC DOOR OPERATOR (SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT)

GM — GROUND MODULE

GROUND ROD

MARK / X / NUMBER — EQUIPMENT TAG

MOTOR CONNECTION

CONDUCTOR QUANTITY IN RACEWAY. NUMBERS INDICATE WIRE SIZES (AWG).
- INDICATES PHASE CONDUCTOR
- INDICATES NEUTRAL CONDUCTOR
- INDICATES GREEN GROUND CONDUCTOR

LIGHTING:

NOTE: SHADING ANY OF THE LIGHTING FIXTURE INDICATES UNIT IS WIRED TO AN EMERGENCY OR NIGHT LIGHTING CIRCUIT.

CEILING MOUNTED FIXTURE - SURFACE / RECESSED

1Ra A
- FIXTURE DESIGNATION (SEE SCHEDULE)
- SWITCH LEG. NO DESIGNATION INDICATES PORTION OF CIRCUIT SWITCHED FROM LOCAL SWITCH AND/OR OCCUPANCY SENSOR
- SWITCHING DEVICE. NO DESIGNATION INDICATES PORTION OF CIRCUIT SWITCHED FROM LOCAL SWITCH AND/OR OCCUPANCY SENSOR. (R) CIRCUIT SWITCHED VIA RELAY IN RELAY CABINET
- CIRCUIT NUMBER (SEE PANEL BOUNDARIES)

ILLUMINATED DOME FIXTURE - RECESSED

STRIP LIGHT FIXTURE

LINEAR WALL MOUNTED FIXTURE

TRACK LIGHT FIXTURE - SPOT LIGHT / PENDANT

CEILING MOUNTED DOWNLIGHT FIXTURE - SURFACE / RECESSED

CEILING MOUNTED DOWNLIGHT FIXTURE - WALL WASH - SURFACE / RECESSED

POLE MOUNTED FIXTURE

WALL MOUNTED FIXTURE - SURFACE / RECESSED

GROUND MOUNTED FIXTURE - BOLLARD / FLOOD OR ACCENT

EXIT LIGHT - WALL MOUNTED / CEILING MOUNTED
PROVIDE DIRECTIONAL ARROWS AS INDICATED ON PLAN

EMERGENCY BATTERY POWER SPOT ILLUMINATION UNIT - DUAL HEAD LIGHT - WALL MOUNT 12' BELOW CEILING UNLESS NOTED OTHERWISE.

BATTERY PACK REMOTE HEAD SPOT ILLUMINATION UNIT

SWITCHING DEVICES:

NOTE: ALL SWITCHING DEVICES SHALL BE MOUNTED AT 44" AFF, UNLESS OTHERWISE NOTED.

SINGLE POLE TOGGLE SWITCH

XX DENOTES THE FOLLOWING
- (2) DOUBLE POLE
- (3) 3 WAY
- (4) 4 WAY
- (DLS) DUAL LEVEL SWITCHING
- (K) KEY OPERATED
- (P) WITH PILOT LIGHT INDICATION
- (T) TIMER SWITCH

X DENOTES SWITCH DESIGNATION (LOWER CASE)

DIMMER SWITCH

MOMENTARY CONTACT SWITCH

SURGICAL LIGHT CONTROL

X DS — DAYLIGHT SENSOR. X DENOTES SPECIFIC UNIT (SEE SCHEDULE)

MD — MOTION DETECTOR.

X OS — OCCUPANCY SENSOR. X DENOTES SPECIFIC UNIT (SEE SCHEDULE)

X VS — VACANCY SENSOR. X DENOTES SPECIFIC UNIT (SEE SCHEDULE)

X C — CONTACTOR. X DENOTES SPECIFIC UNIT (SEE SCHEDULE)

X D — DIMMING SYSTEM CONTROL STATION. X DENOTES STATION IDENTIFIER (SEE SCHEDULE)

X L — LOW VOLTAGE SWITCH STATION. X DENOTES STATION IDENTIFIER (SEE SCHEDULE)

X PC — PHOTO-CONTROL. X DENOTES SPECIFIC UNIT (SEE SCHEDULE)

X T — TIME CLOCK. X DENOTES SPECIFIC UNIT (SEE SCHEDULE)

PW — POWER PACK

TECHNOLOGY:

REFER TO TECHNOLOGY OUTLET SCHEDULE FOR DEVICE REQUIREMENTS

X# — # DENOTES QUANTITY
X DENOTES DEVICE TYPE (SEE SCHEDULE)

X# — TECHNOLOGY OUTLET WITH BACKBOX, CONDUIT, AND INDICATED DEVICES AND CABLES. 4" ABOVE COUNTER/COUNTER BACKSPLASH WHERE PRESENT.

X# — TECHNOLOGY OUTLET WITH BACKBOX, CONDUIT, AND INDICATED DEVICES AND CABLES. 18" AFF UNLESS NOTED OTHERWISE.

X# — TECHNOLOGY OUTLET WITH BACKBOX, CONDUIT, AND INDICATED DEVICES AND CABLES. FURNITURE MOUNTED.

X — FLOOR MOUNTED DATA BOX (SEE SCHEDULE FOR DEVICES REQUIRED)

X — CEILING MOUNTED DATA BOX (SEE SCHEDULE FOR DEVICES REQUIRED)

X INDICATES DEVICE TYPE (SEE SCHEDULE)

WAP WAP — WIRELESS ACCESS POINT (REFER TO TECHNOLOGY OUTLET SCHEDULE)

SLEEVE THROUGH WALL

FIRE RATED SLEEVE THROUGH FLOOR

CONDUIT SLEEVE THROUGH FLOOR

FREE STANDING OPEN FRAME DATA CABINET. (HEAVY LINE INDICATES FRONT OF CABINET)

FREE STANDING ENCLOSED FRAME DATA CABINET. FLOOR MOUNTED / WALL MOUNTED. (HEAVY LINE INDICATES FRONT OF CABINET)

GROUND BUS BAR

LADDER RACK / CABLE TRAY

XX DENOTES TYPE:
- (LR) LADDER RACK
- (CT) CABLE TRAY

RACK / TRAY HEIGHT

HEIGHT TO BOTTOM OF RACK / TRAY

RACK / TRAY WIDTH

TELEVISION SYSTEM

XX DENOTES THE FOLLOWING
- (CC) REMOTE TELEVISION CHANNEL CHANGER
- (CT) CABLE TELEVISION OUTLET
- (CV) REMOTE TELEVISION CHANNEL CHANGER WITH VOLUME CONTROL
- (DVR) DIGITAL VIDEO RECORDER
- (MA) MASTER ANTENNA OUTLET
- (MC) MASTER ANTENNA OUTLET CEILING MOUNTED
- (MO) CLOSED CIRCUIT TELEVISION MONITOR
- (MS) MASTER ANTENNA OUTLET MOUNTED AT A SPECIAL HEIGHT EITHER INDICATED ON THE DRAWINGS OR ON ARCHITECTURAL ELEVATIONS
- (MW) MASTER ANTENNA OUTLET WALL
- (NVR) NETWORK VIDEO RECORDER

ANTENNA

ANTENNA TYPE:
- (BO) BY OTHERS
- (DR) DIRECTIONAL
- (MD) MULTIDIRECTIONAL
- (OD) OMNI DIRECTIONAL

SYSTEM SERVED:
- (AC) ATOMIC CLOCK
- (AF) AM/FM RADIO
- (AR) AMBULANCE RADIO
- (DAS) DISTRIBUTED ANTENNA SYSTEM
- (HR) HAM RADIO
- (RTLS) REAL TIM LOCATING SERVICES
- (TS) TELELMETRY SYSTEM
- (UHF) ULTRA HIGH FREQUENCY
- (VHF) VERY HIGH FREQUENCY

MOUNTING:
- (CM) CEILING MOUNT
- (RM) NON PENETRATING ROOF MOUNT
- (TM) ANTENNA TOWER MOUNT
- (WM) WALL MOUNT

SECURITY:

DOOR HARDWARE INSTALLATION - CEILING / WALL
(SEE DETAILS, ARCHITECTURAL PLANS AND SPECIFICATIONS)

XX DENOTES THE FOLLOWING
- (AA) AUTODOOR ACTUATOR (PUSH PLATE)
- (AM) AUTODOOR ACTUATOR (MOTION SENSOR)
- (AO) AUTODOOR OPERATOR
- (ED) ELECTRICAL EXITING DEVICE
- (DE) DELAYED EGRESS MODULE
- (EL) ELECTROMAGNETIC LOCK
- (ES) ELECTRICAL STRIKE
- (KS) KEY SWITCH
- (PS) POWER SUPPLY
- (PT) POWER TRANSFER HINGE
- (RL) RELAY MODULE
- (RM) SEPARATELY MOUNTED REQUEST TO EXIT MOTION SENSOR NOT ASSOCIATED WITH SECURITY SYSTEM

SECURITY, ACCESS CONTROL AND DOOR MOUNTING - CEILING / WALL

XX DENOTES THE FOLLOWING
- (BIO) BIOMETRIC READER
- (CR) CARD READER
- (DB) DURESS - PUSHBUTTON
- (DC) DOOR CONTACT
- (DP) DOOR POSITION INDICATOR SWITCH
- (DR) DOOR RELEASE - PUSHBUTTON
- (EL) ELECTROMAGNETIC LOCK
- (ES) ELECTRIC STRIKE
- (GB) GLASS BREAK DETECTOR
- (KE) KEYLESS ENTRY
- (KP) KEYPAD - SECURITY SYSTEM
- (KS) KEEPER SWITCH
- (MD) MOTION SENSOR - DUAL TECHNOLOGY
- (MI) MOTION SENSOR - INFRARED
- (MU) MOTION SENSOR - ULTRASONIC
- (PB) PANIC BUTTON
- (RM) REQUEST FOR EXIT - MOTION
- (RP) REQUEST FOR EXIT - PUSH BUTTON

INTERCOM SYSTEM - CEILING / WALL

XX DENOTES THE FOLLOWING
- (MD) MASTER STATION - DESK MOUNTED
- (MW) MASTER STATION - WALL MOUNTED
- (SD) SATELLITE STATION - DESK MOUNTED
- (SW) SATELLITE STATION - WALL MOUNTED

SECURITY CAMERA - CEILING / WALL

CXXX CXXX — CXXX DENOTES CAMERA NUMBER (SEE SCHEDULE)

SYSTEMS:

PAGING AND SOUND SYSTEM - CEILING / WALL

XX DENOTES THE FOLLOWING
- (DP) COMBINATION HOUSE PAGING & WIRED RADIO
- (DP) DEPARTMENTAL PAGING
- (HM) HOSPITAL MUSIC
- (HP) HOUSE PAGING
- (LM) LOCAL MUSIC
- (PM) PROCEDURE ROOM - MUSIC SYSTEM
- (PT) PROCEDURE ROOM - TWO WAY COMMUNICATION
- (SM) SOUND MASKING
- (TS) TELEVISION SOUND REINFORCEMENT SYSTEM WIRED
- (WR) RADIO

XX DENOTES THE FOLLOWING
- (CR) CEILING MOUNTED RECESSED SPEAKER
- (CS) CEILING MOUNTED SURFACE SPEAKER
- (FS) FOOT SWITCH
- (MC) MICROPHONE JACK - CEILING MOUNTED
- (MD) MICROPHONE JACK - DESK MOUNTED
- (MF) MICROPHONE JACK - FLOOR MOUNTED
- (MW) MICROPHONE JACK - WALL MOUNTED
- (RE) RE - ENTRANT TYPE HORN
- (VC) VOLUME CONTROL
- (VS) VOLUME CONTROL WITH 6 POSITION STATION SELECTOR
- (WR) WALL MOUNTED RECESSED SPEAKER
- (WS) WALL MOUNTED SURFACE SPEAKER

CLOCK SYSTEM - CEILING / WALL

XX DENOTES THE FOLLOWING
- (A1) ANALOG TYPE, 12" DIAMETER ROUND, SINGLE FACED
- (A2) ANALOG TYPE, 9" DIAMETER ROUND, SINGLE FACED
- (A3) ANALOG TYPE, 12" DIAMETER ROUND, DOUBLE FACED
- (A4) ANALOG TYPE, 9" DIAMETER ROUND, DOUBLE FACED
- (D1) DIGITAL TYPE, SINGLE FACED (HR:MIN:SEC)
- (D2) DIGITAL TYPE, SINGLE FACED (HR:MIN)
- (EC) ELAPSED TIME CONTROLLER
- (ET) ELAPSED TIMER
- (IP) IP CLOCK
- (RT) RECEIVER
- (TC) TIME CLOCK
- (WR) WIRELESS IP CLOCK

AREA OF RESCUE STATION - CEILING / WALL
WALL MOUNTED 44" AFF UNLESS NOTED OTHERWISE.

XX DENOTES THE FOLLOWING
- (MS) MASTER STATION
- (SA) SATELLITE ASSISTANCE STATION
- (FM) FLUSH MOUNT
- (SM) SURFACE MOUNT

NOTIFICATION DEVICES:

C — BELL - CHIME

S — BELL - SINGLE STROBE

GS — BELL - SINGLE STROBE GONG / STROBE

T — BELL - TROUBLE

V — BELL - VIBRATING

VS — BELL - VIBRATING/STROBE

CD W — COMBINATION HORN-STROBE - CEILING / WALL MOUNTED

GONG

RTS — REMOTE ALARM INDICATING AND TEST SWITCH

ROTATING BEACON - CEILING / WALL MOUNTED

S — SPEAKER - CEILING / WALL MOUNTED

CD W — STROBE - CEILING / WALL MOUNTED

CD W — COMBINATION SPEAKER-STROBE - CEILING / WALL MOUNTED

GONG - WATER MOTOR

XIM — MODULE - ADDRESSABLE INPUT

XIM2 — MODULE - ADDRESSABLE INPUT / OUTPUT

XOM — MODULE - ADDRESSABLE OUTPUT

R — MODULE - NON-ADDRESSABLE OUTPUT RELAY

DETECTORS:

XS — COMBINED SMOKE-GAS DETECTOR - CEILING MOUNTED

COMBINED SMOKE-HEAT DETECTOR - CEILING MOUNTED

S — DUCT SMOKE DETECTOR - RECTANGULAR/SQUARE

FLAME DETECTOR - CEILING MOUNTED

XX DENOTES THE FOLLOWING
- (IR) INFRARED
- (UV) ULTRAVIOLET
- (UV/IR) COMBINED ULTRAVIOLET AND INFRARED
- (VR) VISIBLE RADIATION

X DENOTES THE FOLLOWING
- (W) WALL MOUNTED

GAS DETECTOR

XX DENOTES THE FOLLOWING
- (CO) CARBON MONOXIDE

HEAT DETECTOR - CEILING MOUNTED

XX DENOTES THE FOLLOWING
- (F) FIXED TEMPERATURE
- (R) RATE OF RISE
- (RC) RATE COMPENSATION
- (R/F) COMBINED RISE AND FIXED TEMPERATURE

X DENOTES THE FOLLOWING
- (W) WALL MOUNTED

HEAT DETECTOR - CEILING MOUNTED
LINEAR TYPE HEAT SENSITIVE CABLE

X DENOTES THE FOLLOWING
- (W) WALL MOUNTED

SMOKE DETECTOR

XXX DENOTES THE FOLLOWING
- (ASD) AIR SAMPLING
- (BR) BEAM RECEIVER
- (BT) BEAM TRANSMITTER
- (I) IONIZATION
- (P) PHOTOELECTRIC
- (SS) SINGLE STATION

X DENOTES THE FOLLOWING:
- (W) WALL MOUNTED

WF — FLOW SWITCH

TAMPER SWITCH

TEST SWITCH FOR DUCT DETECTOR

FOA — FOAM MANUAL PULL STATION

P — MANJAL PULL STATION

AUTOMATIC AND SUPERVISORY DETECTOR

PS — WATER PRESSURE SWITCH

GENERAL:

REFERENCE NOTE SYMBOL

DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION

DETAIL NUMBER / SHEET NUMBER — BUILDING ELEVATION

DETAIL NUMBER / SHEET NUMBER — CALLOUT BOUNDARY

DETAIL NUMBER / SHEET NUMBER — VIEW REFERENCE CALLOUT

+X' - X" — MOUNTING HEIGHT DESIGNATION

ELECTRICAL SHEET INDEX:

SHEET NO.	SHEET NAME
E000	ELECTRICAL AND FIRE ALARM LEGEND
E100	ELECTRICAL POWER AND DATA PLAN
E101	ELECTRICAL POWER AND DATA PLAN - MEZZANINE
E102	ELECTRICAL ROOF PLAN
E200	ELECTRICAL LIGHTING PLAN
E201	ELECTRICAL LIGHTING PLAN - MEZZANINE
E300	RISER DIAGRAM AND DETAILS
E301	ELECTRICAL POWER FLOOR PLAN - ENLARGED
E400	PANEL SCHEDULES
E500	GENERAL SPECIFICATIONS
E600	ELECTRICAL COMCHECK

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Architectural Partners
A Bybrill Ltd Company

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ISSUE RECORD

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ISSUE FOR PERMIT	06/22/2026

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NO	DATE	REVISION

PROFESSIONAL SEAL

LICENSED PROFESSIONAL ENGINEER — James Basquette — 32963 — STATE OF TEXAS

James R. Basquette

Digitally signed by James R. Basquette
Date: 2026.06.23 11:16:39-05'00'

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Dallas, Texas 75254
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REMODEL

PROJECT NAME

SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
ELECTRICAL AND FIRE ALARM LEGEND

SHEET NUMBER

E000

GENERAL CONTRACTOR NOTE

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING CONDUIT, EMT CONDUIT, J-BOXES, PULLSTRINGS, RECEPTACLES ETC. FOR ALL LOW-VOLTAGE AND SECURITY DEVICES SHOWN IN THE LOW-VOLTAGE PLANS. DEVICES INCLUDES: P.O.S. LOCATIONS, CAMERAS, CAMERA MONITORS, ETC. REFER TO SHEETS LVL-1 - LV-5

GENERAL NOTES

A. VERIFY LOCATION OF ALL EQUIPMENT WITH ARCHITECT AND OTHER TRADES.

B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK.

C. COORDINATE OUTLET ORIENTATION WITH EQUIPMENT PLUGS SO THAT ALL 90 DEGREE PLUGS WILL HANG CORD DOWN.

D. ALL 120V, 20A RECEPTACLES WITHIN 6 FEET FROM THE OUTSIDE EDGE OF ALL WET SINKS SHALL BE GFCI-PROTECTED.

E. ALL RECEPTACLES WITHIN THE KITCHEN AREA SHALL BE GFCI TYPE. PROVIDE A GFCI CIRCUIT BREAKER IF RECEPTACLE IS NOT READILY ACCESSIBLE. SEE PANEL SCHEDULES FOR MORE DETAILS.

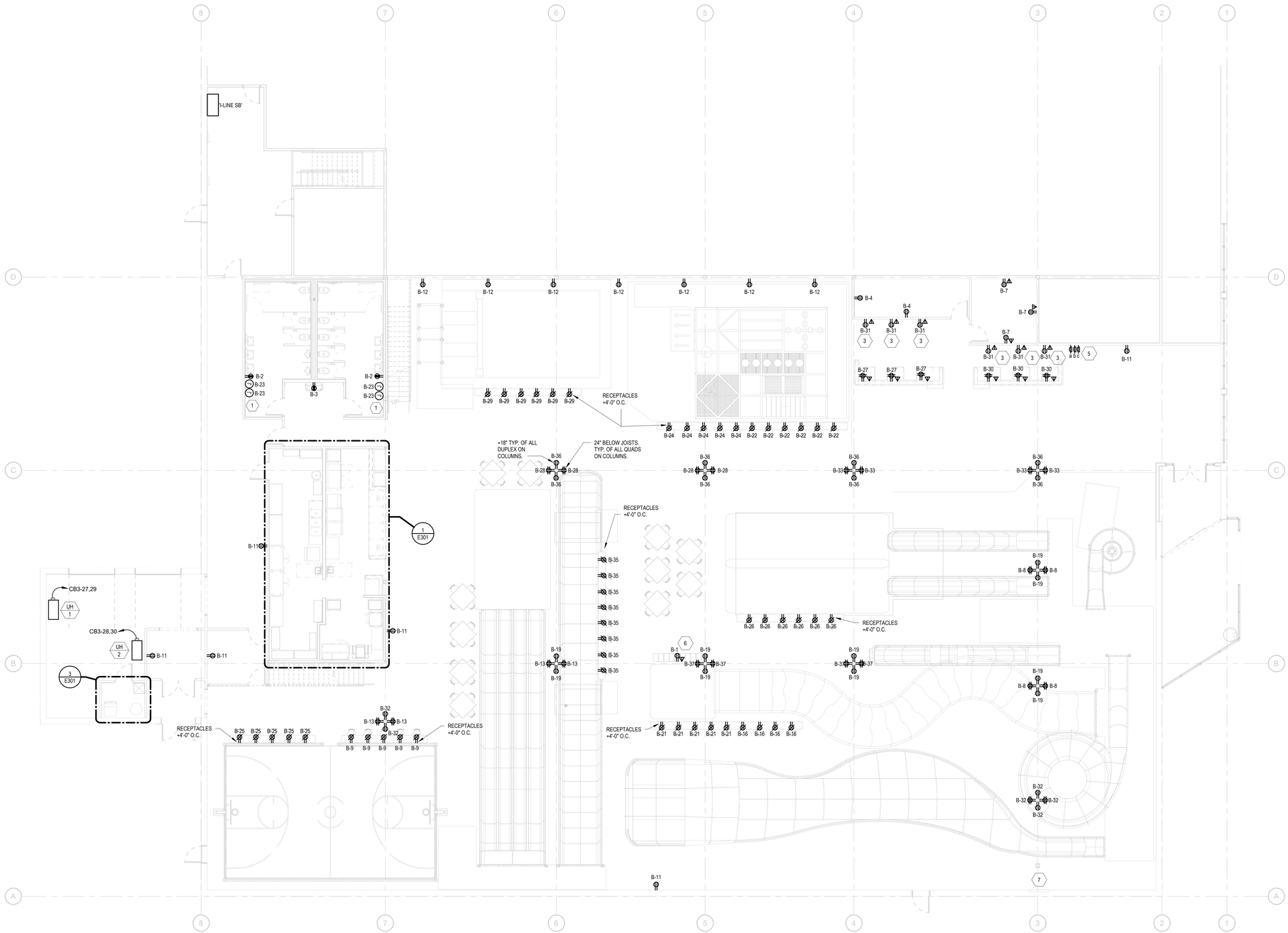
F. CONTRACTOR SHALL VERIFY RECEPTACLE NEMA CONFIGURATION FOR EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION. NOTIFY ARCH. & ENGINEER OF ANY CONFLICT OR DISCREPANCY.

G. CONTRACTOR SHALL COORDINATE THE EXACT POWER, WIRING & FINAL CONNECTION REQUIREMENTS FOR ALL EQUIPMENT BEFORE ROUGH-IN WITH RESPECTIVE EQUIPMENT PROVIDER AND MAKE ALL REQUIRED FINAL CONNECTIONS.

H. COORDINATE MOUNTING OF THE RECEPTACLE FOR THE CLOCKS AND TV WITH ARCHITECTURE PLANS PRIOR TO ROUGH-IN.

POWER KEYED NOTES "X"

1. PROVIDE POWER FOR HAND DRYER. INSTALL PER MANUFACTURER REQUIREMENTS AND INSTALLATION GUIDELINES. COORDINATE LOCATION WITH ARCHITECTURE PLANS PRIOR TO ROUGH-IN.
2. PROVIDE POWER FOR ELECTRICAL BLOWER. INSTALL PER MANUFACTURER REQUIREMENTS AND INSTALLATION GUIDELINES. COORDINATE LOCATION WITH ARCHITECTURE PLANS PRIOR TO ROUGH-IN.
3. MONITOR SUSPENDED FROM STEEL JOIST ABOVE.
4. RECEPTACLES TO BE ADDED AT +60 O.C.
5. CONTRACTOR SHALL PROVIDE ACTIVITY AREA LIGHT CONTROLS AT THIS LOCATION. ALL CONTROLS SHALL BE DIMMABLE DOWN TO 10%. CONTRACTOR SHALL COORDINATE EXACT CONTROL SETTINGS, BUTTON REQUIREMENT FOR PRESETS, ENGRAVING PRIOR TO SUBMITTING EQUIPMENT FOR APPROVAL. COORDINATE WITH OWNER AND ARCHITECT FOR EXACT COLOR AND OTHER REQUIREMENTS.
6. LOCKERS +90", RUN POWER AND DATA FROM ADJACENT COLUMN.
7. EXISTING PANELS TO BE REMOVED.



1 E100 ELECTRICAL POWER AND DATA PLAN

1/8" = 1'-0"

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A Dpld Ltd Company

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PROFESSIONAL SEAL

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Date: 2026.06.23 11:16:40-05'00'

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REMODEL

PROJECT NAME
SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
ELECTRICAL POWER AND DATA PLAN

SHEET NUMBER
E100

GENERAL CONTRACTOR NOTE

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING CONDUIT, EMT CONDUIT, J-BOXES, PULLSTRINGS, RECEPTACLES ETC. FOR ALL LOW-VOLTAGE AND SECURITY DEVICES SHOWN IN THE LOW-VOLTAGE PLANS. DEVICES INCLUDES: P.O.S. LOCATIONS, CAMERAS, CAMERA MONITORS, ETC. REFER TO SHEETS LVL-1 - LV-5

GENERAL NOTES

A. VERIFY LOCATION OF ALL EQUIPMENT WITH ARCHITECT AND OTHER TRADES.

B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK.

C. COORDINATE OUTLET ORIENTATION WITH EQUIPMENT PLUGS SO THAT ALL 90 DEGREE PLUGS WILL HANG CORD DOWN.

D. ALL 120V, 20A RECEPTACLES WITHIN 6 FEET FROM THE OUTSIDE EDGE OF ALL WET SINKS SHALL BE GFCI-PROTECTED.

E. ALL RECEPTACLES WITHIN THE KITCHEN AREA SHALL BE GFCI TYPE. PROVIDE A GFCI CIRCUIT BREAKER IF RECEPTACLE IS NOT READILY ACCESSIBLE. SEE PANEL SCHEDULES FOR MORE DETAILS.

F. CONTRACTOR SHALL VERIFY RECEPTACLE NEMA CONFIGURATION FOR EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION. NOTIFY ARCH. & ENGINEER OF ANY CONFLICT OR DISCREPANCY.

G. CONTRACTOR SHALL COORDINATE THE EXACT POWER, WIRING & FINAL CONNECTION REQUIREMENTS FOR ALL EQUIPMENT BEFORE ROUGH-IN WITH RESPECTIVE EQUIPMENT PROVIDER AND MAKE ALL REQUIRED FINAL CONNECTIONS.

H. COORDINATE MOUNTING OF THE RECEPTACLE FOR THE CLOCKS AND TV WITH ARCHITECTURE PLANS PRIOR TO ROUGH-IN.

POWER KEYED NOTES "(X)"

1. EXISTING ELECTRICAL EQUIPMENT FOR ADJACENT TENANT.

1 E101 ELECTRICAL MEZZANINE POWER AND DATA PLAN

3/32" = 1'-0"

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A Dpbh Ltd Company

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REMODEL

PROJECT NAME

SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

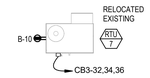
SHEET TITLE
ELECTRICAL POWER AND DATA PLAN - MEZZANINE

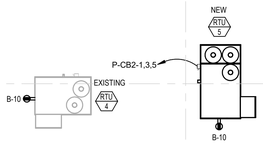
SHEET NUMBER

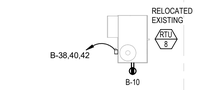
E101

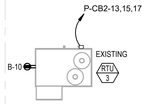
POWER KEYED NOTES "X"

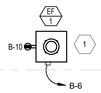
1. COORDINATE WITH MECHANICAL DRAWINGS FOR EXHAUST FAN OPERATIONS. PROVIDE TIMER/TIMECLOCK TO ACHIEVE DEFINED OPERATIONS. REFER TO MECHANICAL DRAWING AND SHEET M400 FOR MORE INFORMATION.

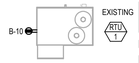


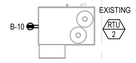


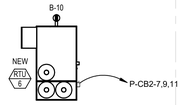












1 E102 ELECTRICAL ROOF PLAN

1/8" = 1'-0"

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A Dpld Ltd Company

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PROFESSIONAL SEAL

LICENSED PROFESSIONAL ENGINEER
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REMODEL

PROJECT NAME

SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
ELECTRICAL ROOF PLAN

SHEET NUMBER

E102

GENERAL NOTES

A. VERIFY LOCATION OF ALL EQUIPMENT WITH ARCHITECT AND OTHER TRADES.

B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK.

C. COORDINATE OUTLET ORIENTATION WITH EQUIPMENT PLUGS SO THAT ALL 90 DEGREE PLUGS WILL HANG CORD DOWN.

D. ALL 120V, 20A RECEPTACLES WITHIN 6 FEET FROM THE OUTSIDE EDGE OF ALL WET SINKS SHALL BE GFCI-PROTECTED.

E. ALL RECEPTACLES WITHIN THE KITCHEN AREA SHALL BE GFCI TYPE. PROVIDE A GFCI CIRCUIT BREAKER IF RECEPTACLE IS NOT READILY ACCESSIBLE. SEE PANEL SCHEDULES FOR MORE DETAILS.

F. CONTRACTOR SHALL VERIFY RECEPTACLE NEMA CONFIGURATION FOR EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION. NOTIFY ARCH. & ENGINEER OF ANY CONFLICT OR DISCREPANCY.

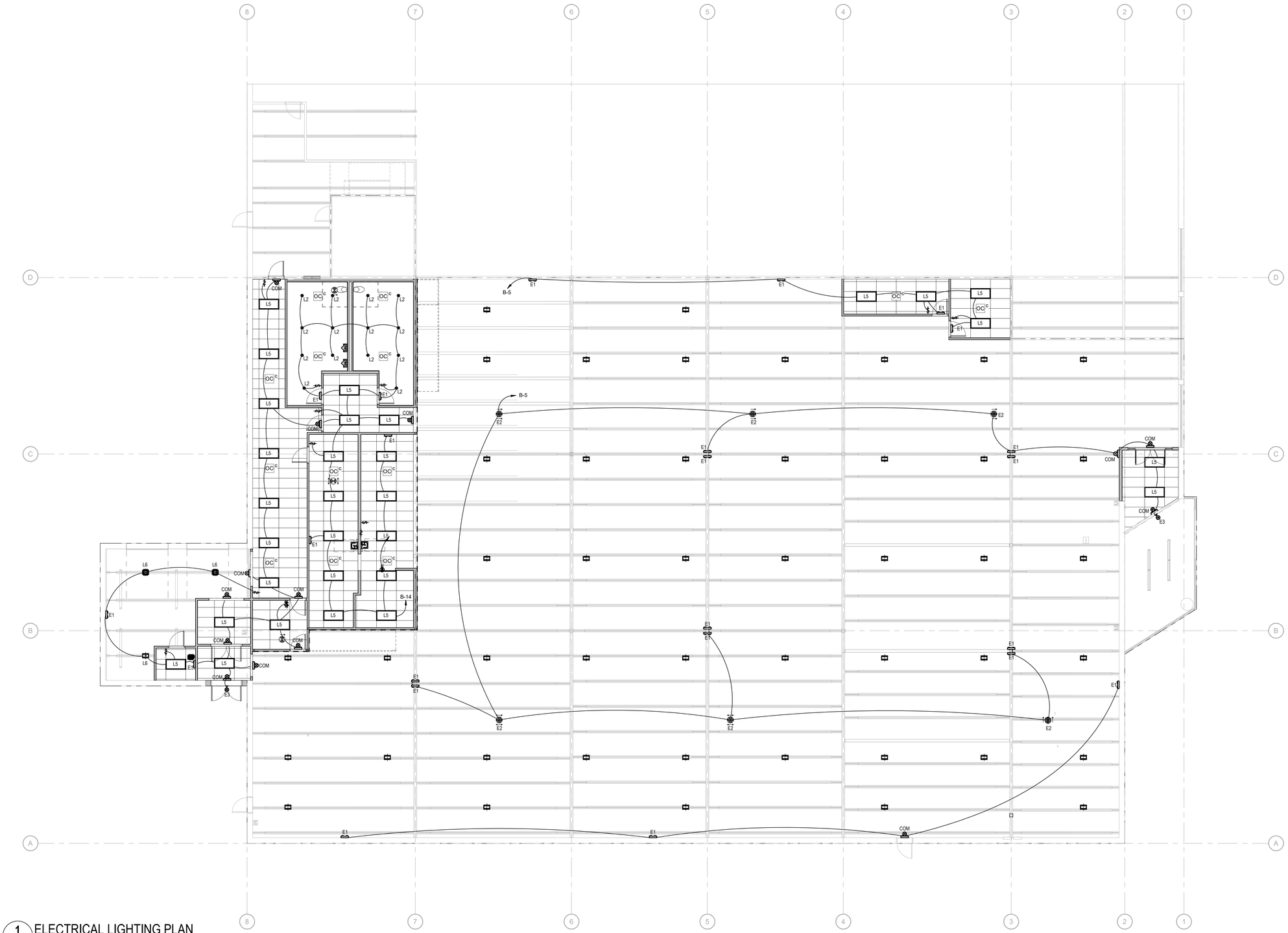
G. CONTRACTOR SHALL COORDINATE THE EXACT POWER, WIRING & FINAL CONNECTION REQUIREMENTS FOR ALL EQUIPMENT BEFORE ROUGH-IN WITH RESPECTIVE EQUIPMENT PROVIDER AND MAKE ALL REQUIRED FINAL CONNECTIONS.

H. FIXTURES NOTED WITH THE IDENTIFIER 'E' ARE EMERGENCY AND SHALL BE PROVIDED WITH 90 MINUTE EMERGENCY BATTERY.

I. REFER TO 'E300' FOR FIXTURE SCHEDULE.

J. COORDINATE LIGHT SWITCHES, DIMMERS AND CONTROLS WITH OWNER PRIOR TO ORDERING. SWITCHES TO BE CONFIGURED AS PREFERRED BY OWNER.

K. HIGH BAY OCCUPANCY SENSORS REQUIRED OVER PLAY AREA.



1 ELECTRICAL LIGHTING PLAN
E200 1/8" = 1'-0"

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A Dpld Ltd Company

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STATE OF TEXAS

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REMODEL

PROJECT NAME
SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
ELECTRICAL LIGHTING PLAN

SHEET NUMBER
E200

GENERAL NOTES

A. VERIFY LOCATION OF ALL EQUIPMENT WITH ARCHITECT AND OTHER TRADES.

B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK.

C. COORDINATE OUTLET ORIENTATION WITH EQUIPMENT PLUGS SO THAT ALL 90 DEGREE PLUGS WILL HANG CORD DOWN.

D. ALL 120V, 20A RECEPTACLES WITHIN 6 FEET FROM THE OUTSIDE EDGE OF ALL WET SINKS SHALL BE GFCI-PROTECTED.

E. ALL RECEPTACLES WITHIN THE KITCHEN AREA SHALL BE GFCI TYPE. PROVIDE A GFCI CIRCUIT BREAKER IF RECEPTACLE IS NOT READILY ACCESSIBLE. SEE PANEL SCHEDULES FOR MORE DETAILS.

F. CONTRACTOR SHALL VERIFY RECEPTACLE NEMA CONFIGURATION FOR EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION. NOTIFY ARCH. & ENGINEER OF ANY CONFLICT OR DISCREPANCY.

G. CONTRACTOR SHALL COORDINATE THE EXACT POWER, WIRING & FINAL CONNECTION REQUIREMENTS FOR ALL EQUIPMENT BEFORE ROUGH-IN WITH RESPECTIVE EQUIPMENT PROVIDER AND MAKE ALL REQUIRED FINAL CONNECTIONS.

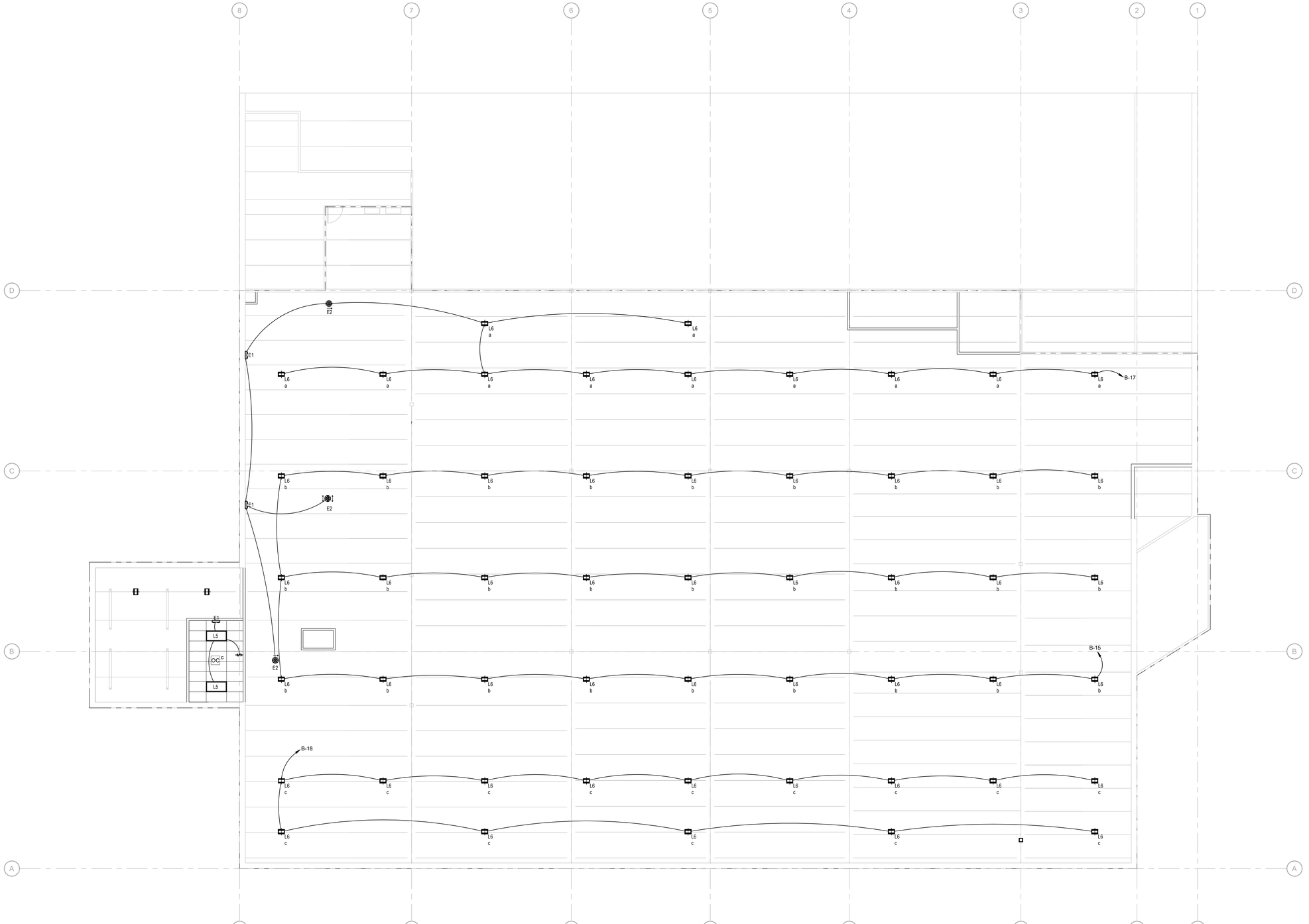
H. FIXTURES NOTED WITH THE IDENTIFIER 'E' ARE EMERGENCY AND SHALL BE PROVIDED WITH 90 MINUTE EMERGENCY BALLAST.

I. REFER TO 'E300' FOR FIXTURE SCHEDULE.

J. COORDINATE LIGHT SWITCHES, DIMMERS AND CONTROLS WITH OWNER PRIOR TO ORDERING. SWITCHES TO BE CONFIGURED AS PREFERRED BY OWNER.

K. HIGH BAY OCCUPANCY SENSORS REQUIRED OVER PLAY AREA.

L. EXISTING STAIRWELL LIGHTING TO REMAIN.



1 ELECTRICAL MEZZANNINE LIGHTING PLAN
E201 1/8" = 1'-0"

Apogee
Architectural Partners
A Dpld LeC Company

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ADDISON, TX 75001
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LICENSED PROFESSIONAL ENGINEER
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32963
STATE OF TEXAS

James R. Basquette

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Date: 2026.06.23 11:17:21 -05'00'

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engineering consultants
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Dallas, Texas 75254
rtmec.com | 972.387.3500

REMODEL

PROJECT NAME
SLICK CITY

NORMAN, OK

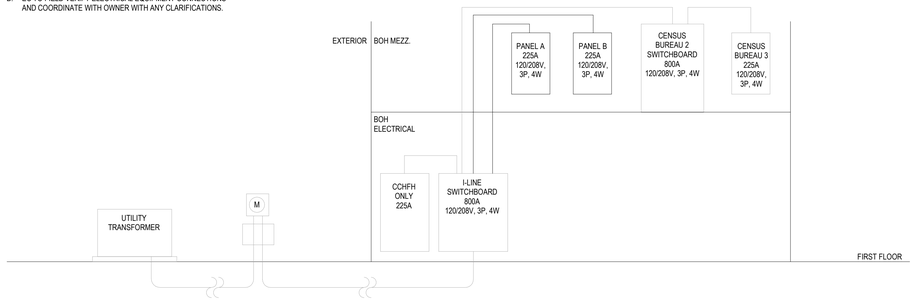
PROJECT NUMBER
NORMAN, OK

SHEET TITLE
ELECTRICAL LIGHTING PLAN - MEZZANINE

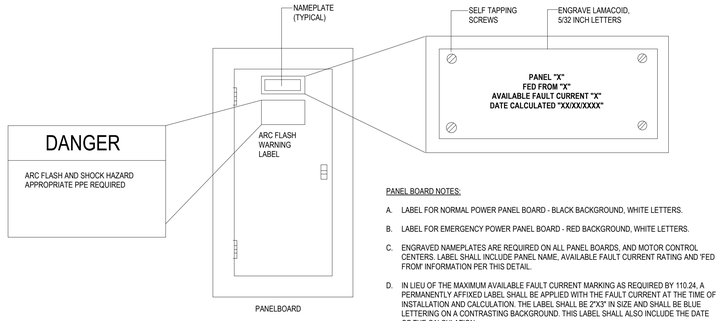
SHEET NUMBER
E201

RISER DIAGRAM NOTES:

A. EQUIPMENT AND WIRING SHOWN HALFTONE IS EXISTING.
B. EC TO FIELD VERIFY ELECTRICAL EQUIPMENT CONNECTIONS AND COORDINATE WITH OWNER WITH ANY CLARIFICATIONS.



1 ONE-LINE DIAGRAM
E300 SCALE: N.T.S.



PANEL BOARD NOTES:

A. LABEL FOR NORMAL POWER PANEL BOARD - BLACK BACKGROUND, WHITE LETTERS.

B. LABEL FOR EMERGENCY POWER PANEL BOARD - RED BACKGROUND, WHITE LETTERS.

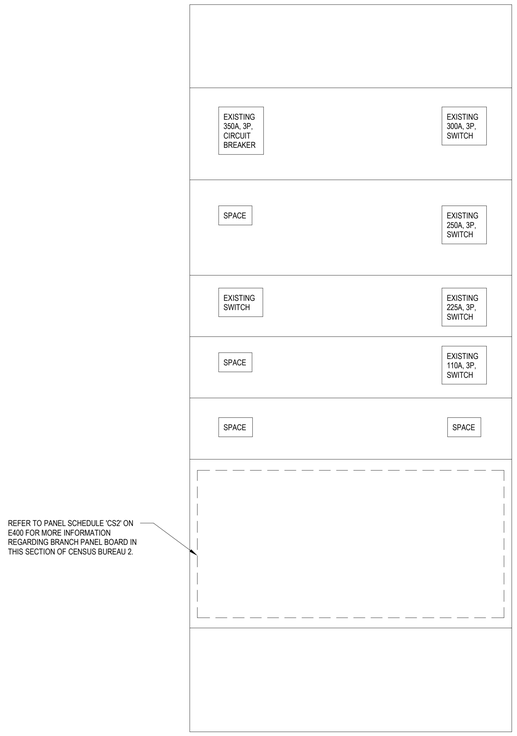
C. ENGRAVED NAMEPLATES ARE REQUIRED ON ALL PANEL BOARDS, AND MOTOR CONTROL CENTERS. LABEL SHALL INCLUDE PANEL NAME, AVAILABLE FAULT CURRENT RATING AND 'FED FROM' INFORMATION PER THIS DETAIL.

D. IN LIEU OF THE MAXIMUM AVAILABLE FAULT CURRENT MARKING AS REQUIRED BY 110.24, A PERMANENTLY AFFIXED LABEL SHALL BE APPLIED WITH THE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2"X3" IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION.

E. ELECTRICAL EQUIPMENT SUCH AS PANEL BOARDS, SWITCHGEAR, SWITCHBOARDS ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE WHILE ENERGIZED. PROVIDE A FACTORY OR FIELD APPLIED WARNING LABEL TO WARN QUALIFIED PERSONS OF POTENTIAL ARC FLASH HAZARDS. MARKINGS SHALL MEET CEC 110.21(B) AND NFPA 70E.

F. ALL PANELS SHALL BE PROVIDED WITH PLASTIC SLEEVED TYPE WRITTEN DIRECTORY AFFIXED ON INSIDE OF DOOR WITH LIST OF CIRCUITS AND THE ITEMS(S) SERVED BY EACH BREAKER. HAND LETTERING WITH PERMANENT MARKER IS NOT ACCEPTABLE.

2 PANEL LABEL DETAIL
E300 SCALE: N.T.S.



3 CENSUS BUREAU 2 SWITCHBOARD DESIGN
E300 SCALE: N.T.S.

LIGHT FIXTURE SCHEDULE

FIXTURE	MFR	CATALOG NUMBER	LAMPS	TOTAL WATTS	VOLT	DESCRIPTION
COM	SURELITES	APC7RG	LED	1	MVOLT	COMBINATION EXIT/EGRESS LIGHT.
E1	COOPER LIGHTING	SELHP100R3	LED	4.3	MVOLT	LED EMERGENCY BUG-EYE
E2	SURELITES	APX7RG	LED	3	MVOLT	EXIT SIGNS
E3	SURELITES	APX7RG	LED	3	MVOLT	EXTERIOR EMERGENCY EGRESS
L2	HALO	LTC608FS5B	LED	8.8	MVOLT	6" RECESSED DOWNLIGHT
L3	COOPER LIGHTING	LERS6C-30-D010-ECA6C-3035-9730-6LB-SCS3	LED	16	MVOLT	6" LED CYLINDER PENDANT MOUNT @ 11'-0" AFF U.N.O.
L4	METALUX	24CGT4540C	LED	38	MVOLT	2x4 LED FLAT PANEL PROVIDE E10WLCP FOR EMERGENCY FIXTURES.
L5	METALUX	24CGT5540C	LED	46	MVOLT	2X4 LED FLAT PANEL PROVIDE E10WLCP FOR EMERGENCY FIXTURES.
L6	METALUX	LHBS-1824-UNV-L84050-U	LED	158	MVOLT	LED HIGH BAY
L7	METALUX	24GR-24-G-R-LD5-4200-F1-UNV-L840-CD	LED	34.6	MVOLT	2X2 LED TROFFER PROVIDE WITH SUSPENDED MOUNTING KIT

Notes:
1. ALL REQUEST FOR SUBSTITUTIONS MUST BE SUBMITTED TO ENGINEER 7 DAYS PRIOR TO BID APPROVAL. SUBMITTALS SHALL INCLUDE DETAILED CUTSHEETS AND PERFORMANCE DATA.
2. CONTRACTOR MUST SUBMIT LAMPS AND BALLAST WITH FIXTURE SUBMITTALS.
2. 75% OF ALL LIGHTING MUST BE HIGH EFFICIENCY PER IECC 2021.
4. CONTRACTOR SHALL PROVIDE A CENTRAL BATTERY INVERTER FOR ALL EMERGENCY FIXTURES. PROVIDE ADD/ALT FOR BATTERY PACKS.

Apogee Architectural Partners
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PH: (469) 960-2322

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ISSUE RECORD
DESCRIPTION DATE
ISSUE FOR PERMIT 06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

LICENSED PROFESSIONAL ENGINEER
James Basquette
32963

James R. Basquette

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REMODEL

PROJECT NAME
SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
RISER DIAGRAM AND DETAILS

SHEET NUMBER
E300

FOOD SERVICE EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	QUANTITY	AMPS	KW	VOLTAGE	PHASE	CONDUCTOR	CONDUIT	TERMINATION
1	BEVERAGE MERCHANDISER	1	14	-	120	1	2#10,#10G	3/4"	NEMA 5-20R
3	PIZZA WARMER	3	-	1.5	120	1	2#12,#12G	3/4"	NEMA 5-20R
4	PIZZA PREP TABLE	1	7.9	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
5	ICE CREAM MERCHANDISER	1	6.07	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
7	CHEST FREEZER	3	6	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
8	ICE/BEV DISPENSER	2	9	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
9	FROZEN DRINK MACHINE	3	-	4.9	208	1	2#10,#10G	3/4"	NEMA 6-30R
11	REACH-IN FREEZER	1	9.6	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
12	ICE MAKER W/ BIN	2	13.8	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
16	ICE CREAM MERCHANDISER	1	6.07	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
18	COMBO WASHER/DRYER	1	16	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
19	REACH-IN REFRIGERATOR	1	2.6	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
20	OVEN	1	-	9.6	208	3	2#8,#10G	3/4"	NEMA 6-50R
25	POS SYSTEM	2	16	-	120	1	2#12,#12G	3/4"	NEMA 20-R
27	REACH-IN REFRIGERATOR	2	5.4	-	120	1	2#12,#12G	3/4"	NEMA 5-20R
29	CONVEYOR OVEN	1	-	7.5	208	3	2#8,#10G	3/4"	NEMA 6-50R

NOTES:
1. ALL WIRING DEVICE COVER PLATES SHALL BE STAINLESS STEEL. COORDINATE WITH OWNER AND ARCHITECT BEFORE PURCHASE.
2. REFERENCE FOOD SERVICE EQUIPMENT SHEETS FOR TERMINATION REQUIREMENTS.
3. CONTRACTOR SHALL PROVIDE FLEXIBLE EMT AND MAKE FINAL CONNECTIONS. REFERENCE FOOD SERVICE PLANS.
4. COORDINATE MOUNTING HEIGHTS OF ALL FOOD SERVICE EQUIPMENT WIRING DEVICES WITH FOOD SERVICE PLANS.
5. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS OF FOOD SERVICE EQUIPMENT WITH FOOD SERVICE PLANS, EQUIPMENT SUPPLIER AND DATA SHEETS.
6. COORDINATE MOUNTING HEIGHTS OF ALL FOOD SERVICE EQUIPMENT WIRING DEVICES WITH FOOD SERVICE PLANS.
7. CONTRACTOR SHALL PROVIDE WIRING AND CONDUIT FOR CONTROL OF EXHAUST FANS AND MAKEUP AIR FANS.
8. ALL RECEPTACLES IN KITCHEN AREA TO BE GFI AND ACCESSIBLE, OR FED FROM GFI BREAKER PER CEC 210.8. COORDINATE GFCI REQUIREMENTS FOR EQUIPMENT REQUIRING SHUNT-TRIP IN ADDITION TO GFCI.
9. CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES AS REQUIRED.
10. SEE PLANS FOR CIRCUIT NUMBERS.

GENERAL CONTRACTOR NOTE

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SUPPLYING CONDUIT, EMT CONDUIT, J-BOXES, PULLSTRINGS, RECEPTACLES ETC. FOR ALL LOW-VOLTAGE AND SECURITY DEVICES SHOWN IN THE LOW-VOLTAGE PLANS. DEVICES INCLUDES: P.O.S. LOCATIONS, CAMERAS, CAMERA MONITORS, ETC. REFER TO SHEETS LVL-1 - LV-5

GENERAL NOTES

A. VERIFY LOCATION OF ALL EQUIPMENT WITH ARCHITECT AND OTHER TRADES.

B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL CONDITIONS AND IS ALSO RESPONSIBLE FOR REPORTING ANY CONFLICTS TO THE ENGINEER PRIOR TO THE START OF WORK.

C. COORDINATE OUTLET ORIENTATION WITH EQUIPMENT PLUGS SO THAT ALL 90 DEGREE PLUGS WILL HANG CORDDOWN.

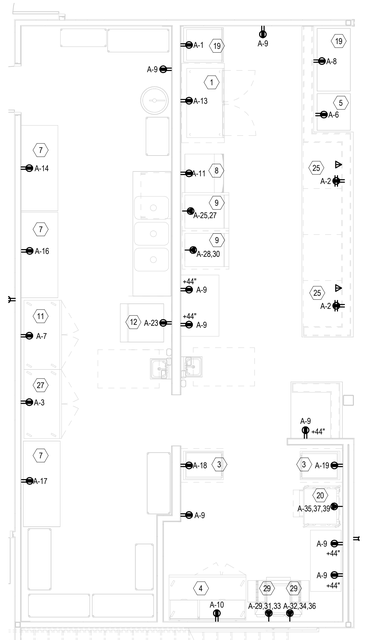
D. ALL 120V, 20A RECEPTACLES WITHIN 6 FEET FROM THE OUTSIDE EDGE OF ALL WET SINKS SHALL BE GFCI-PROTECTED.

E. ALL RECEPTACLES WITHIN THE KITCHEN AREA SHALL BE GFCI TYPE. PROVIDE A GFCI CIRCUIT BREAKER IF RECEPTACLE IS NOT READILY ACCESSIBLE. SEE PANEL SCHEDULES FOR MORE DETAILS.

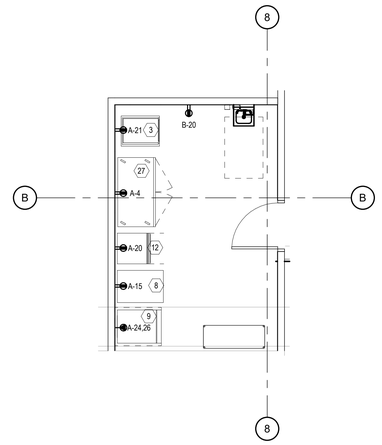
F. CONTRACTOR SHALL VERIFY RECEPTACLE NEMA CONFIGURATION FOR EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO INSTALLATION. NOTIFY ARCH. & ENGINEER OF ANY CONFLICT OR DISCREPANCY.

G. CONTRACTOR SHALL COORDINATE THE EXACT POWER, WIRING & FINAL CONNECTION REQUIREMENTS FOR ALL EQUIPMENT BEFORE ROUGH-IN WITH RESPECTIVE EQUIPMENT PROVIDER AND MAKE ALL REQUIRED FINAL CONNECTIONS.

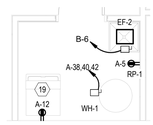
H. BASED ON T24, GENERAL PURPOSE RECEPTACLES TO BE SPLIT-WIRED FOR 50% OF THE SCOPE AND BE CONTROLLED RECEPTACLES. REFER TO DETAIL 3 ON SHEET E301 FOR WIRING.



1 E301 ENLARGED KITCHEN PLAN - ELECTRICAL
1/4" = 1'-0"



2 E301 ENLARGED KITCHEN PLAN MEZZANINE - ELECTRICAL
1/4" = 1'-0"



3 E301 ENLARGED MOP SINK - ELECTRICAL
1/4" = 1'-0"

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DESCRIPTION DATE
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REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

LICENSED PROFESSIONAL ENGINEER
James Basquette
32963
STATE OF OKLAHOMA

James R. Basquette

Digitally signed by James R. Basquette
DN: cn=James R. Basquette, o=rtm engineering consultants, ou=Engineering Consultants, cn=James R. Basquette
Date: 2026.06.23 11:17:38-05'00'

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REMODEL

PROJECT NAME
SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
ELECTRICAL POWER FLOOR PLAN - ENLARGED

SHEET NUMBER
E301

(E) Switchboard: I-LINE SB

Location:
Supply From: UTILITY
Mounting:
Enclosure: NEMA1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 A.I.C.
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 800 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	CB2	3	800 A	800 A	131680 VA	
2	A	3	225 A	225 A	79094 VA	
3	B	3	225 A	225 A	46980 VA	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
				Total Conn. Load:	257753 VA	
				Total Amps:	715 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Kitchen Equipment - Non-Dwelling Unit	18548 VA	65.00%	12056 VA		
Other	58 VA	100.00%	58 VA	**Total Conn. Load:**	257753 VA
Receptacle	18000 VA	77.78%	14000 VA	**Total Est. Demand:**	247261 VA
Power	58686 VA	100.00%	58686 VA	**Total Conn.:**	715 A
Lighting	10221 VA	100.00%	10221 VA	**Total Est. Demand:**	686 A
MISC EQUIP	152248 VA	100.00%	152248 VA		

Notes:

(E) Switchboard: CB2

Location:
Supply From: I-LINE SB
Mounting:
Enclosure: NEMA1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 A.I.C.
Mains Type: MCB
Mains Rating: 800 A
MCB Rating: 1 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	EXISTING	3	350 A	350 A	0 VA	
2	EXISTING	3	300 A	300 A	0 VA	
3	SPACE	3	--	--	--	
4	EXISTING	3	250 A	250 A	0 VA	
5	EXISTING	3	--	--	--	
6	CB3	3	225 A	225 A	80920 VA	
7	SPACE	3	--	--	--	
8	SPACE	3	--	--	--	
9	P-CP2	3	600 A	600 A	50760 VA	Panel section for CB2
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	131680 VA	
				Total Amps:	366 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MISC EQUIP	131680 VA	100.00%	131680 VA		
				Total Conn. Load:	131680 VA
				Total Est. Demand:	131680 VA
				Total Conn.:	366 A
				Total Est. Demand:	366 A

Notes:

Existing Branch... CB3

Location:
Supply From: CB2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Bus Amps: 225 A
MCB Rating: 225 A

CB Info	CKT	Circuit Description	Amps	Trip	Poles	A		B		C		Poles	Trip	Amps	Circuit Description	CKT	CB Info
	1	EXISTING	--	20 A	1	0 VA	0 VA					1	20 A	--	EXISTING	2	
	3	EXISTING	--	20 A	1			0 VA	0 VA			1	20 A	--	EXISTING	4	
	5	EXISTING	--	20 A	1					0 VA	0 VA	1	20 A	--	EXISTING	6	
	7	EXISTING	--	20 A	1	0 VA	0 VA					1	20 A	--	EXISTING	8	
	9	EXISTING	--	20 A	1			0 VA	0 VA			1	20 A	--	EXISTING	10	
	11	EXISTING	--	20 A	1					0 VA	0 VA	1	20 A	--	EXISTING	12	
	13	EXISTING	--	20 A	1	0 VA	0 VA					1	20 A	--	EXISTING	14	
	15	EXISTING	--	20 A	1			0 VA	0 VA			1	20 A	--	EXISTING	16	
	17	EXISTING	--	20 A	1					0 VA	0 VA	1	20 A	--	EXISTING	18	
	19	EXISTING	--	20 A	1	0 VA	0 VA					1	20 A	--	EXISTING	20	
	21	EXISTING	--	20 A	1			0 VA	0 VA			1	20 A	--	EXISTING	22	
	23	EXISTING	--	20 A	1					0 VA	0 VA	1	20 A	--	EXISTING	24	
	25	EXISTING	--	20 A	1	0 VA	0 VA					1	20 A	--	EXISTING	26	
	27	UH-1	24.0...	30 A	2			2500 VA	2500 VA			2	30 A	24.0...	UH-2	28	
	29									2500 VA	2500 VA					30	
	31	RTU-1 (E)	60.95 A	70 A	3	7320 VA	1680 VA					3	20 A	13.99 A	RTU-7	32	
	33							7320 VA	1680 VA							34	
	35									7320 VA	1680 VA					36	
	37	RTU-2 (E)	60.95 A	70 A	3	7320 VA	7320 VA					3	70 A	60.95 A	RTU-4 (E)	38	
	39							7320 VA	7320 VA							40	
	41									7320 VA	7320 VA					42	
					Total Load:	23640 VA		28640 VA		28640 VA							
					Tot...	197 A		245 A		245 A							

CIRCUIT BREAKER INFORMATION LEGEND:
G = GROUND FAULT SENSING
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MISC EQUIP	80920 VA	100.00%	80920 VA		
				Total Conn. Load:	80920 VA
				Total Est. Demand:	80920 VA
				Total Conn.:	225 A
				Total Est. Demand:	225 A

Notes:

Existing Branch... P-CB2

Location:
Supply From: CB2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Bus Amps: 600 A
MCB Rating: 600 A

CB Info	CKT	Circuit Description	Amps	Trip	Poles	A		B		C		Poles	Trip	Amps	Circuit Description	CKT	CB Info
	1	RTU-5	39.97 A	45 A	3	4800 VA	0 VA					1	20 A	--	EXISTING	2	
	3							4800 VA	0 VA							4	
	5									4800 VA	0 VA	2	20 A	--	EXISTING	6	
	7	RTU-6	39.97 A	45 A	3	4800 VA	0 VA					1	20 A	--	EXISTING	8	
	9							4800 VA	0 VA			1	20 A	--	EXISTING	10	
	11									4800 VA	0 VA	1	20 A	--	EXISTING	12	
	13	RTU-3 (E)	60.95 A	70 A	3	7320 VA	0 VA					1	20 A	--	EXISTING	14	
	15							7320 VA	0 VA			1	20 A	--	EXISTING	16	
	17									7320 VA	0 VA	1	20 A	--	EXISTING	18	
					Total Load:	16920 VA		16920 VA		16920 VA							
					Tot...	141 A		141 A		141 A							

CIRCUIT BREAKER INFORMATION LEGEND:
G = GROUND FAULT SENSING
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MISC EQUIP	50760 VA	100.00%	50760 VA		
				Total Conn. Load:	50760 VA
				Total Est. Demand:	50760 VA
				Total Conn.:	141 A
				Total Est. Demand:	141 A

Notes:

Branch Panel: A

Location:
Supply From: I-LINE SB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Bus Amps: 225 A
MCB Rating: 225 A

CB Info	CKT	Circuit Description	Amps	Trip	Poles	A		B		C		Poles	Trip	Amps	Circuit Description	CKT	CB Info
	1	REACH-IN REFRIGERATOR	5.4 A	20 A	1	312 VA	720 VA					1	20 A	6 A	POS	2	
	3	REACH-IN REFRIGERATOR	5.4 A	20 A	1			648 VA	648 VA			1	20 A	5.4 A	REACH-IN REFRIGERATOR	4	
	5	RP-1	4.4 A	20 A	1					528 VA	730 VA	1	20 A	6.08...	SERVING FREEZER	6	
	7	REACH-IN FREEZER	6 A	20 A	1	720 VA	730 VA					1	20 A	6.08...	SERVING FREEZER	8	
	9	CONVENIENCE RECEPTACLES	13.5...	20 A	1			1620 VA	948 VA			1	20 A	7.9 A	PIZZA PREP TABLE	10	
	11	SODA DISPENSER	9 A	20 A	1					1080 VA	1920 VA	1	20 A	16 A	WASHER/DRYER COMBO	12	
	13	BEVERAGE MERCHANDISER	14 A	20 A	1	1680 VA	720 VA					1	20 A	6 A	STORAGE FREEZER	14	
	15	SODA DISPENSER	9 A	20 A	1			1080 VA	720 VA			1	20 A	6 A	STORAGE FREEZER	16	
	17	STORAGE FREEZER	6 A	20 A	1					720 VA	1500 VA	1	20 A	12.5...	PIZZA HOLDING CABINET	18	
	19	PIZZA HOLDING CABINET	12.5...	20 A	1	1500 VA	1656 VA					1	20 A	13.8...	ICE MAKER W/ BIN	20	
	21	PIZZA HOLDING CABINET	12.5...	20 A	1			1500 VA	1656 VA			1	20 A	13.8...	ICE MAKER W/ BIN	22	
	23	ICE MAKER W/ BIN	13.8...	20 A	1					1656 VA	2450 VA	2	30 A	23.5...	FROZEN DRINK MACHINE	24	
	25	FROZEN DRINK MACHINE	23.5...	30 A	2	2450 VA	2450 VA									26	
	27							2450 VA	2450 VA			2	30 A	23.5...	FROZEN DRINK MACHINE	28	
	29									2467 VA	2450 VA					30	
	31	CONVEYOR OVEN	20.54 A	30 A	3	2467 VA	2467 VA					3	30 A	20.54 A	CONVEYOR OVEN	32	
	33							2467 VA	2467 VA							34	
	35									3200 VA	2467 VA					36	
	37	DOUBLE BATCH OVEN	26.65 A	30 A	3	3200 VA	5000 VA					3	50 A	41.64 A	WH-1	38	
	39							3200 VA	5000 VA							40	
	41	SPARE	--	20 A	1					0 VA	5000 VA					42	
					Total Load:	26072 VA		26854 VA		26168 VA							
					Tot...	217 A		224 A		218 A							

CIRCUIT BREAKER INFORMATION LEGEND:
G = GROUND FAULT SENSING
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Kitchen Equipment - Non-Dwelling Unit	18548 VA	65.00%	12056 VA		
Receptacle	1620 VA	100.00%	1620 VA	**Total Conn. Load:**	79094 VA
Power	43926 VA	100.00%	43926 VA	**Total Est. Demand:**	72602 VA
MISC EQUIP	15000 VA	100.00%	15000 VA	**Total Conn.:**	220 A
				Total Est. Demand:	202 A

Notes:

Branch Panel: B

Location:
Supply From: I-LINE SB
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Bus Amps: 225 A
MCB Rating: 225 A

CB Info	CKT	Circuit Description	Amps	Trip	Poles	A		B		C		Poles	Trip	Amps	Circuit Description	CKT	CB Info
	1	LOCKERS	1.5 A	20 A	1	180 VA	360 VA					1	20 A	3 A	RESTROOM RECEPTACLES	2	
	3	WATER FOUNTAIN	1.5 A	20 A	1			180 VA	360 VA			1	20 A	3 A	STORAGE RECEPTACLES	4	
	5	FIRST FLOOR LIGHTING	2.92...	20 A	1					350 VA	528 VA	1	20 A	4.4 A	EF-1 & EF-2	6	
	7	OFFICE RECEPTACLES	4.5 A	20 A	1	540 VA	1440 VA					1	20 A	12 A	PLAY FLOOR REC	8	
	9	RECEPTACLE O.C.	7.5 A	20 A	1			900 VA	1620 VA			1	20 A	13.5...	MAINTENANCE RECEPTACLES	10	
	11	FIRST FLOOR CONVENIENCE RECPTS.	9 A	20 A	1					1080 VA	1260 VA	1	20 A	10.5...	FIRST FLOOR CONVENIENCE RECPTS.	12	
	13	PLAY FLOOR REC	12 A	20 A	1	1440 VA	1582 VA					1	20 A	13.1...	FIRST FLOOR LIGHTING	14	
	15	CENTRAL HIGH BAY	35.5...	40 A	1			4266 VA	720 VA			1	20 A	6 A	RECEPTACLE O.C.	16	
	17	NORTH HIGH BAY	14.5...	20 A	1					1750 VA	2370 VA	1	20 A	19.7...	SOUTH HIGH BAY	18	
	19	PLAY FLOOR REC	15 A	20 A	1	1800 VA	720 VA					1	20 A	6 A	MEZZANINE RECEPTACLES	20	
	21	RECEPTACLE O.C.	7.5 A	20 A	1			900 VA	1080 VA			1	20 A	9 A	RECEPTACLE O.C.	22	
	23	RESTROOM HAND DRYERS	6 A	20 A	1					720 VA	900 VA	1	20 A	7.5 A	RECEPTACLE O.C.	24	
	25	RECEPTACLE O.C.	7.5 A	20 A	1	900 VA	1080 VA					1	20 A	9 A	RECEPTACLE O.C.	26	
	27	POS	9 A	20 A	1			1080 VA	1440 VA			1	20 A	12 A	PLAY FLOOR REC	28	
	29	RECEPTACLE O.C.	9 A	20 A	1					1080 VA	1080 VA	1	20 A	9 A	POS	30	
	31	MONITORS	9 A	20 A	1	1080 VA	1440 VA					1	20 A	12 A	PLAY FLOOR REC	32	
	33	PLAY FLOOR REC	12 A	20 A	1			1440 VA	0 VA			1	20 A	--	SPARE	34	
	35	RECEPTACLE O.C.	12 A	20 A	1					1440 VA	1440 VA	1	20 A	12 A	PLAY FLOOR REC	36	
	37	PLAY FLOOR REC	12 A	20 A	1	1440 VA	1680 VA									38	
	39	SPARE	--	20 A	1			0 VA	1680 VA			3	20 A	13.99 A	RTU-8	40	
	41	SPARE	--	20 A	1					0 VA	1680 VA					42	
					Total Load:	15649 VA		15666 VA		15668 VA							
					Tot...	130 A		131 A		131 A							

CIRCUIT BREAKER INFORMATION LEGEND:
G = GROUND FAULT SENSING
S = SHUNT TRIP
L = LOCK OUT
A = ARC FAULT INTERRUPTER

ABBREVIATIONS:
MCB = MAIN CIRCUIT BREAKER
CB = CIRCUIT BREAKER
CKT = CIRCUIT

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	58 VA	100.00%	58 VA		
Receptacle	16380 VA	80.53%	13190 VA	**Total Conn. Load:**	46980 VA
Power	14760 VA	100.00%	14760 VA	**Total Est. Demand:**	43790 VA
Lighting	10221 VA	100.00%	10221 VA	**Total Conn.:**	130 A
MISC EQUIP	5568 VA	100.00%	5568 VA	**Total Est. Demand:**	122 A

Notes:

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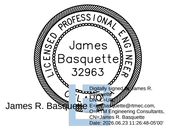
ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL



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REMODEL

PROJECT NAME
SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
PANEL SCHEDULES

SHEET NUMBER
E400

GENERAL ELECTRICAL SPECIFICATIONS

SECTION 16001: ELECTRICAL GENERAL PROVISIONS
PART 1 - GENERAL
1.01 WORK INCLUDED
A. PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO FURNISH AND INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON DRAWINGS AND AS SPECIFIED HEREIN.
B. THE ELECTRICAL WORK INCLUDES PROVIDING THE NEW MATERIAL, FIXTURES, DEVICES, FINAL CONNECTIONS AND ACCESSORIES NECESSARY FOR A COMPLETE AND FUNCTIONING SYSTEM. THE WORK ALSO INCLUDES MAKING ALL FINAL CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS. ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE IN FORCE AND LOCAL CODES AND ORDINANCES AND SUBJECT TO INSPECTION AND APPROVAL FROM AUTHORITY HAVING JURISDICTION.
C. THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR THE ELECTRICAL WORK ARE DIAGRAMMATIC, SHOWING THE LOCATION, TYPE DEVICES AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. PROVIDE ALL FIXTURES, LAMPS, DEVICES, ACCESSORIES, OFFSETS. FINALS CONNECTIONS AND MATERIAL NECESSARY TO FACILITATE THE SYSTEMS FUNCTIONS AS INDICATED BY THE DESIGN AND PER SPECIFIED AND OWNER SUPPLIED EQUIPMENT MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS. D. IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED.

1.02 REGULATORY REQUIREMENTS
A. EQUIPMENT FURNISHED SHALL BE UL LISTED WHERE SUCH LABEL IS AVAILABLE. INSTALLATION SHALL CONFORM TO UL STANDARDS WHERE APPLICABLE.
B. ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS, LATEST EDITION OF NEC AND NFPA CODES, IN EFFECT AT PROJECT LOCATION, STATE AND LOCAL ELECTRICAL AND BUILDING CODES AND SPECIAL CODES HAVING JURISDICTION OVER SPECIFIC PORTIONS WITHIN COMPLETE INSTALLATION.
C. OBTAIN PERMITS AND CERTIFICATES OF APPROVAL FROM ALL AUTHORITIES HAVING JURISDICTION OVER THE INSTALLATION AND PAY ALL FEES REQUIRED.

1.03 SUBMITTALS
A. SUBMIT LIST OF MATERIALS AND EQUIPMENT PRIOR TO MANUFACTURER, ORDER OR INSTALLATION AND WITHIN TWENTY DAYS AFTER AWARD OF CONTRACT FOR APPROVAL. INCLUDE EACH ITEM OF MATERIAL AND EQUIPMENT WHETHER OR NOT SHOP DRAWINGS ARE ALSO REQUIRED. LIST SHALL INCLUDE MANUFACTURER'S NAME, CATALOG NUMBER AND OTHER COMPLETE IDENTIFICATION AS WELL AS DIMENSIONS AND DETAILED DATA.
SUBMITTALS SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
LIGHTING FIXTURES
SWITCHGEAR, PANEL BOARDS & BREAKERS
WIRING DEVICES AND DEVICE PLATES
ENCLOSED SWITCHES
CONTRACTORS & TAKEOLOCKS
B. CERTIFIED SHOP DRAWINGS AND SUBMITTALS SHALL BEAR STAMP OF APPROVAL OF CONTRACTOR AS EVIDENCE THAT DRAWINGS HAVE BEEN CHECKED. DRAWINGS SUBMITTED WITHOUT THIS STAMP OF APPROVAL WILL NOT BE CONSIDERED AND WILL BE RETURNED FOR PROPER RESUBMISSION.
C. IF SUBMITTALS SHOW VARIANCES OR SUBSTITUTIONS FROM REQUIREMENTS OF CONTRACT, CONTRACTOR SHALL MAKE SPECIFIC MENTION OF SUCH VARIATION IN HIS LETTER OF TRANSMITTAL IN ORDER THAT IF ACCEPTABLE, SUITABLE ACTION MAY BE TAKEN FOR PROPER ADJUSTMENT. OTHERWISE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR EXECUTING WORK IN ACCORDANCE WITH CONTRACT EVEN THOUGH SUCH SUBMITTALS HAVE BEEN APPROVED.

SECTION 16050: BASIC MATERIALS AND METHODS
PART 1 - GENERAL
1.01 COORDINATION
A. OBTAIN AND REVIEW SHOP DRAWINGS, PRODUCT DATA, AND MANUFACTURER'S INSTRUCTIONS FOR EQUIPMENT FURNISHED UNDER OTHER SECTIONS TO DETERMINE CONNECTION LOCATIONS AND REQUIREMENTS.
B. SEQUENCE ROUGH-IN OF ELECTRICAL CONNECTIONS TO COORDINATE WITH INSTALLATIONS AND START-UP EQUIPMENT FURNISHED UNDER OTHER SECTIONS.

PART 2 - PRODUCTS
2.01 SUBSTITUTIONS
A. WHERE SPECIFICATIONS LIST ONE OR MORE MANUFACTURERS AND DO NOT INCLUDE "OR APPROVED EQUAL", FURNISH MATERIALS MADE BY ONE OF MANUFACTURERS LISTED. WHERE "OR APPROVED EQUAL" IS INCLUDED, CONTRACTOR MAY SUBSTITUTE EQUAL PRODUCTS BY ANOTHER MANUFACTURER SUBJECT TO APPROVAL BY ENGINEER AND OWNER.

PART 3 - EXECUTION
3.01 INSTALLATION
A. MAKE ALL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT IN ACCORDANCE WITH RESPECTIVE EQUIPMENT MANUFACTURER'S PUBLISHED INSTRUCTIONS.
B. PROTECT WORK AND MATERIALS FROM DAMAGE BY WEATHER, ENTRANCE OF WATER AND DIRT. CAP CONDUIT DURING INSTALLATION. AVOID DAMAGE TO MATERIALS AND EQUIPMENT IN PLACE.
C. SATISFACTORILY REPAIR OR REMOVE AND REPLACE DAMAGED WORK WITH NEW MATERIALS. DELIVER EQUIPMENT AND MATERIALS TO JOB SITE IN ORIGINAL, UNOPENED, LABELED CONTAINERS. STORE FERROUS MATERIALS TO PREVENT RUSTING. STORE FINISHED MATERIALS AND EQUIPMENT TO PREVENT STAINING AND DISCOLORING.
D. TRENCHED SHALL BE EXCAVATED 6" BELOW ELEVATION OF BOTTOM OF CONDUIT.
E. COORDINATE ALL CONDUIT ROUTING PRIOR TO CONSTRUCTION WITH ALL OTHER TRADES. FAILURE TO ROUTE CONDUIT THROUGH BUILDING WITHOUT INTERFERING WITH OTHER EQUIPMENT AND CONSTRUCTION SHALL NOT CONSTITUTE A REASON FOR AN EXTRA CHARGE. EQUIPMENT, CONDUIT AND FIXTURES SHALL FIT INTO AVAILABLE SPACES IN BUILDING AND SHALL NOT BE INTRODUCED INTO BUILDING AT SUCH TIMES AND MANNER AS TO CAUSE DAMAGE TO STRUCTURE OR EQUIPMENT. EQUIPMENT REQUIRING SERVICE SHALL BE READILY ACCESSIBLE.

3.02 TESTING AND EQUIPMENT SERVICING
A. MAKE TEST TO ENSURE THAT ENTIRE SYSTEM IS IN PROPER OPERATION CONDITION, AND THAT ADJUSTMENTS TO BREAKERS, FUSES, CONTROL EQUIPMENT AND APPARATUS HAVE BEEN MADE. CORRECT DEFECTS DISCOVERED DURING TESTS.

3.03 REMOVAL OF DEBRIS
A. REMOVE SURPLUS MATERIALS AND DEBRIS CAUSED BY, OR INCIDENTAL TO, ELECTRICAL WORK. REMOVE SUCH DEBRIS AT FREQUENT INTERVALS. KEEP JOB CLEAN DURING CONSTRUCTION.

3.04 IDENTIFICATION OF EQUIPMENT
A. IDENTIFY ELECTRICAL DISTRIBUTION EQUIPMENT, DISCONNECTS, AND CONTACTORS WITH BLACK LAMINATED PLASTIC NAME-PLATES, ATTACHED WITH TWO SCREWS, ENGRAVED WITH 1/4" HIGH, WHITE LETTERS.

3.05 GUARANTEE-WARRANTY
A. GUARANTEE WORK TO BE FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF BUILDING. REPAIR AND REPLACE DEFECTIVE WORK AND OTHER WORK DAMAGED THEREBY WHICH BECOMES DEFECTIVE DURING TERM OF GUARANTEE-WARRANTY. FURNISH OWNER WITH THREE WRITTEN COPIES OF GUARANTEE/WARRANTY.

END OF SECTION

SECTION 16111: RACEWAY AND CONDUIT SYSTEMS
PART 1 - PRODUCTS
1.01 ACCEPTABLE MANUFACTURERS
A. RIGID IMC, AND EMT CONDUIT SHALL BE HOT-DIPPED, GALVANIZED, OR ELECTROGALVANIZED STEEL BY ALLIED, REPUBLIC, TRIANGLE, WHEATLAND, OR APPROVED EQUAL.
B. PVC CONDUIT SHALL BE CARLON, SCHEDULE 40, 90 DEGREES 'C' RATED, UNLESS OTHERWISE NOTED
C. ASSOCIATED COUPLINGS, CONNECTORS AND FITTINGS SHALL BE STEEL AS MANUFACTURED BY RACO OR APPROVED EQUIVALENT. CATALOG NUMBERS USED BELOW ARE THOSE OF RACO.
D. ERICKSON COUPLINGS, SERIES 1502, SHALL BE USED WHERE NEITHER LENGTH OF CONDUIT CAN BE ROTATED.
E. INSULATED BUSHINGS SHALL BE SERIES 1402.
F. CONDUIT, CONNECTORS, COUPLINGS AND FITTINGS SHALL BE UL LISTED AND LABELED.

1.02 ELECTRICAL METTALIC TUBING (EMT)
A. USE ELECTRIC METTALIC TUBING (EMT) WHERE DRAWINGS CALL FOR CONDUIT TO BE:
1. CONCEALED IN WALLS.
2. INSTALLED ABOVE SUSPENDED CEILINGS.
3. INSTALLED EXPOSED, ABOVE 6 FEET.

1.03 INTERMEDIATE METAL CONDUIT (IMC)
A. USE INTERMEDIATE METAL CONDUIT (IMC) WHERE DRAWINGS CALL FOR CONDUIT TO BE:
1. INSTALLED FOR PANEL BOARD FEEDERS.
2. INSTALLED IN CONCRETE SLABS AT GROUND FLOOR.
3. INSTALLED EXPOSED BELOW 6 FEET.
4. INSTALLED IN WET LOCATIONS (INTERIOR AND EXTERIOR)

1.04 POLYVINYL CHLORIDE (PVC)
A. USE PVC FOR:
1. UNDERGROUND ELECTRICAL SERVICE ENTRANCE CONDUITS.
2. TELEPHONE AND POWER SERVICE ENTRANCE CONDUITS.
3. EXTERIOR BRANCH CIRCUITS INSTALLED UNDERGROUND.

1.05 RIGID STEEL CONDUIT (RSC)
1. INSTALL UNDERGROUND FOR POWER SERVICE ENTRANCE ELBOWS PENETRATING FLOOR SLAB.
2. EXPOSED TO PHYSICAL DAMAGE.

1.06 FLEXIBLE METAL CONDUIT
A. PROVIDE FLEXIBLE METAL CONDUIT FOR TERMINATION AT EQUIPMENT SUBJECT TO MOTION AND VIBRATION.
B. LENGTH SHALL NOT EXCEED 6 FEET.
C. MAXIMUM LENGTH CONCEALED IN WALLS SHALL BE 3 FEET.
D. WHERE EXPOSED TO CONTINUOUS OR INTERMITTENT MOISTURE, CONDUIT SHALL BE U.L. TYPE OF EF LIQUID TIGHT.

PART 2 - EXECUTION
2.01 INSTALLATION
A. MINIMUM SIZE OF CONDUITS SHALL BE 3/4 INCH UNLESS OTHERWISE NOTED.
B. RUN CONCEALED CONDUITS IN DIRECT LINE WITH LONG SWEEP BENDS OR OFFSETS. RUN EXPOSED CONDUITS PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES. GROUP MULTIPLE CONDUIT RUNS IN BANKS.
C. CAP ENDS OF CONDUITS TO PREVENT ENTRANCE OF WATER AND OTHER FOREIGN MATERIAL DURING CONSTRUCTION.
D. PROVIDE 12 AWG COPPER PULL WIRES OR NYLON CORD IN ALL EMPTY CONDUITS. STEEL WIRE NOT ACCEPTABLE AS PULL WIRE.
E. WHERE IMC CONDUIT ENTERS A CABINET, JUNCTION BOX, OR PULL BOX CONNECTORS SHALL BE PROTECTED BY AN INSULATED BUSHING. LOCKNUTS SHALL BE INSTALLED ON CONDUIT OUTSIDE AND INSIDE ENCLOSURE.
F. IN AREAS WHERE DRAIN-DESIGNED AND GASKET FIXTURES AND WEATHERPROOF DEVICES ARE SPECIFIED, WHERE RIGID CONDUIT ENTERS A SHEET METAL ENCLOSURE, JUNCTION BOX AND OUTLET BOX, AND NOT TERMINATED IN A THREADED HUB, A STEEL OR MALLEABLE IRON NYLON INSULATED HUB, COMPLETE WITH RECESSED SEALING "O" RING OR SEALING LOCKNUT SHALL BE USED.
G. PROVIDE SEAL-OFF FITTING IN ALL CONDUITS ENTERING A COLD TEMPERATURE AREA SUCH AS FREEZERS AND DRY REFRIGERATORS.
H. IN CONCRETE SLABS, BLOCK UP CONDUIT FROM FORMS AND SECURELY FASTEN IN PLACE. ALL CONDUITS IN SLABS SHALL HAVE A MINIMUM OF THREE INCHES CONCRETE COVERAGE ABOVE.
I. FAILURE TO ROUTE CONDUIT THROUGH BUILDING WITHOUT INTERFERING WITH OTHER EQUIPMENT, AND CONSTRUCTION SHALL NOT CONSTITUTE A REASON FOR AN EXTRA CHARGE. EQUIPMENT, CONDUIT, AND FIXTURES SHALL FIT INTO AVAILABLE SPACES IN BUILDING AND SHALL NOT BE INTRODUCED INTO BUILDING AT SUCH TIMES AND MANNER AS TO CAUSE DAMAGE TO STRUCTURE OR EQUIPMENT. EQUIPMENT REQUIRING SERVICING SHALL BE READILY ACCESSIBLE.
J. CONDUIT SHALL BE SIZED TO COMPLY WITH "NEC" FOR NUMBER AND SIZE OF CONDUCTORS INSTALLED. EMT CONNECTORS AND COUPLINGS SHALL BE COMPRESSION TYPE. CLAMP CONDUIT TO BOXES WITH BUSHINGS INSIDE AND LOCKNUT OUTSIDE.
K. TERMINATE EACH CONDUIT STUB-UP OR TERMINATION WITH NYLON INSULATED BUSHINGS. CONTRACTOR SHALL CONTACT THE OWNER AND VENDOR AND SCHEDULE THE WORK.

2.02 EMT (ELECTRICAL METALLIC TUBING)
A. DO NOT USE ELECTRICAL METALLIC TUBING IN CINDER CONCRETE OR CINDER FILL OR WHERE CONDUIT SYSTEM IS IN CONTACT WITH DISSIMILAR METALS OR IN WET LOCATIONS.

2.03 PVC
A. USE THREADED FITTINGS FOR ALL CONNECTORS AND ADAPTERS.
B. PROVIDE 1/4-INCH NYLON PULL ROPE IN ALL PRIMARY POWER AND INCOMING TELEPHONE SERVICE ENTRANCE CONDUITS.
C. NO PVC SHALL EMERGE FROM THE GROUND OR THE CONCRETE SLAB OR ENCASEMENT. PVC SHALL CONVERT TO GALVANIZED RIGID METAL PRIOR TO ITS EMERGENCE.

2.01 INSTALLATION
A. WHERE FITTINGS FOR LIQUID TIGHT FLEXIBLE CONDUIT ARE BROUGHT INTO AN ENCLOSURE WITH A KNOCK-OUT, A GASKET ASSEMBLY, CONSISTING OF ONE PIECE "O" RING, WITH BUNA-N SEALING MATERIAL, SERIES 3400, SHALL BE INSTALLED ON OUTSIDE OF BOX. FITTINGS SHALL BE MADE OF EITHER STEEL OR MALLEABLE IRON ONLY AND SHALL HAVE INSULATED THROATS OR INSULATED BUSHINGS.
B. IN DRY LOCATIONS, WHERE FINAL CONNECTIONS TO MOTORS AND OTHER EQUIPMENT MAY BE MADE WITH FLEXIBLE METAL CONDUIT, FITTINGS SHALL BE OF STEEL OR MALLEABLE IRON ONLY WITH INSULATED THROATS OR INSULATED BUSHINGS, AND SHALL BE OF WEDGE AND SCREW TYPE HAVING AN ANGULAR WEDGE FITTING BETWEEN CONVOLUTIONS OF CONDUIT.

END OF SECTION

SECTION 16123: CONDUCTORS
PART 1 - PRODUCTS
1.01 CONDUCTORS
A. PROVIDE 98% CONDUCTIVITY COPPER CONDUCTORS WITH 600-VOLT INSULATION. FOR CONDUCTORS NO.12 AWG AND NO. 10 AWG, PROVIDE SOLID TYPE. FOR ALL CONDUCTORS NO. 8 AWG AND LARGER, PROVIDE STRANDED TYPE. ALL CONDUCTORS SHALL HAVE THHN/THWN INSULATION UNLESS NOTED OTHERWISE.
B. CONDUCTORS SHALL BE MANUFACTURED BY TRIANGLE, AMERICAN, ROME, SOUTHWIRE OR APPROVED EQUAL.
C. NO MORE THAN (3) CIRCUIT CONDUCTORS SHALL BE UTILIZED WITH A SINGLE NEUTRAL.
D. ISOLATED GROUND CIRCUITS SHALL HAVE SEPARATE, DEDICATED GROUND AND NEUTRAL CONDUCTORS.
E. THE SIZE OF NEUTRAL CONDUCTOR SHALL NOT BE SMALLER THAN THE LARGEST PHASE CONDUCTOR WITHIN THE CONDUIT
F. AC, MC AND BX CABLES ARE NOT PERMITTED.

PART 2 - EXECUTION
2.01 INSTALLATION
A. INSTALL PULL BOXES IN CIRCUITS OR FEEDERS OVER 100 FEET IN LENGTH.
B. MAKE ALL SPLICES OR CONNECTIONS ONLY AT OUTLET, PULL OR JUNCTION BOXES.
C. ALL CONDUCTORS AND CONNECTIONS SHALL TEST FREE OF GROUNDS, SHORT AND OPENS PRIOR TO ENERGIZING CIRCUIT.
D. PROVIDE NO. 10 WIRE IN LIEU OF NO. 12 WIRE FOR ANY BRANCH CIRCUIT IN EXCESS OF 75 FEET TO PREVENT EXCESSIVE VOLTAGE DROP.
E. USE WING NUTS AS MANUFACTURED BY IDEAL, SCOTCHLOK TYPE Y, R, G OR B, OR APPROVED EQUAL CONNECTORS FOR FIXTURE CONNECTIONS AT OUTLET BOXES.
F. MAKE FEEDER TAPS AND JOINTS WITH OZ TYPE T, PT, PM, PTS OR APPROVED EQUIVALENT CLAMP CONNECTORS AS MANUFACTURED BY KUPLER, OR WITH APPROVED COMPRESSION SLEEVES. WRAP CONNECTORS WITH NO. 10 ELECTRO-SEAL OR APPROVED EQUIVALENT PLASTIC FILLER AND VINYL TAPE.
G. LEAVE A MINIMUM OF 10 INCHES SLACK WIRE IN EVERY OUTLET BOX.
H. PROVIDE COLOR CODED WIRE WITH A DIFFERENT COLOR FOR EACH PHASE, NEUTRAL AND GROUND PER NEC. NEC APPROVED COLORED TAPE IS ACCEPTABLE FOR FEEDERS USING LARGER THAN NO. 6 CONDUCTORS.
I. ALL CONDUCTORS SHALL BE CONCEALED IN CONDUIT AND BE CONTINUOUS FROM ORIGIN AT PANEL TO EQUIPMENT TERMINATION WITHOUT SPLICES WHERE POSSIBLE. WHERE SPLICES AND TAPS ARE NECESSARY, THEY SHALL BE MADE IN SPLICE BOXES WITH SUITABLE CONNECTORS.
J. LOW VOLTAGE COMMUNICATION AND CONTROLS WIRING NOT IN CONDUITS SHALL BE PLENUM RATED AND SUPPORTED PER MANUFACTURER'S PUBLISHED RECOMMENDATIONS. ALL SUCH CONDUCTORS MUST BE APPROVED BY OWNER AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

SECTION 16130: OUTLET AND JUNCTION BOXES
PART 1 - PRODUCTS
1.01 PROJECT CONDITIONS
A. VERIFY LOCATION REQUIREMENTS ARE AS SHOWN ON DRAWINGS.
B. VERIFY LOCATIONS OF FLOOR BOXES AND OUTLETS IN WORK AREAS PRIOR TO ROUGH-IN WITH ARCHITECT'S DIMENSIONED PLANS.

PART 2 - PRODUCTS
2.01 OUTLET BOXES
A. SHEET METAL OUTLET BOXES: GALVANIZED STEEL.
B. CAST BOXES: TYPE FS, CAST FERALLOY. PROVIDE GASKET COVER BY BOX MANUFACTURER.
C. MANUFACTURERS: NATIONAL, APPLETON, GENERAL ELECTRIC, RACO OR STEEL CITY.
D. PROVIDE BOXES FOR FIXTURES WITH FIXTURE STUDS IN CENTER. OUTLET BOXES FOR LIGHTING, SWITCHES AND RECEPTACLES IN INTERIOR AREAS WITH EXPOSED CONDUIT SHALL BE PRESSED STEEL, IN EXTERIOR AREAS WITH EXPOSED CONDUIT, PROVIDE CAST METAL BOXES WITH THREADED HUBS. FS TYPE. USE GALVANIZED STEEL FOR CONCEALED BOXES. MINIMUM BOX DEPTH 1-1/2 INCHES.

2.01 PULL AND JUNCTION BOXES
A. SHEET METAL BOXES: GALVANIZED STEEL.
B. SURFACE-MOUNTED CAST METAL BOX: TYPE 4; FLAT FLANGED, SURFACE-MOUNTED JUNCTION BOX.
1. MATERIAL: GALVANIZED CAST IRON
2. COVER: FURNISH WITH GROUND FLANGE, NEOPRENE GASKET, AND STAINLESS STEEL COVER SCREWS.
C. IN-GROUND CAST METAL BOX: INSIDE FLANGED, RECESSED COVER BOX FOR FLUSH MOUNTING.
1. MATERIAL: GALVANIZED CAST IRON.
2. COVER: NONSKID COVER WITH NEOPRENE GASKET AND STAINLESS STEEL COVER SCREWS.
3. COVER LEGEND: ELECTRIC
D. MANUFACTURERS: NATIONAL, APPLETON, GENERAL ELECTRIC, RACO, OZ-GEDNEY OR STEEL CITY.

PART 3 - EXECUTION
3.01 INSTALLATION
A. INSTALL ELECTRICAL BOXES AS SHOWN ON DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE PULLING, EQUIPMENT CONNECTIONS AND COMPLIANCE WITH REGULATORY REQUIREMENTS ABOVE ACCESSIBLE CEILINGS.
B. INACCESSIBLE CEILING AREAS: INSTALL OUTLET AND JUNCTION BOXES NO MORE THAN 6 INCHES FROM CEILING ACCESS PANEL OR FROM REMOVABLE RECESSED LIGHT FIXTURE.
C. USE FLUSH MOUNTING OUTLET BOXES IN FINISHED AREAS.
D. USE STAMPED STEEL BRIDGES TO FASTEN FLUSH MOUNTING OUTLET BOX BETWEEN STUDS.
E. DO NOT FASTEN BOXES TO CEILING SUPPORT WIRES.
F. SUPPORT BOXES INDEPENDENTLY OF CONDUIT, EXCEPT CAST BOX THAT IS CONNECTED TO TWO RIGID METAL CONDUITS BOTH SUPPORTED WITHIN 12 INCHES OF BOX.
G. USE GANG BOX WHERE MORE THAN ONE DEVICE IS MOUNTED TOGETHER. DO NOT USE SECTIONAL BOX.
H. USE GANG BOX WITH PLASTER RING FOR SINGLE DEVICE OUTLETS.
I. USE CAST OUTLET BOX IN EXTERIOR LOCATIONS AND WET LOCATIONS.

3.02 OUTLET BOXES
A. SELECT BOXES ACCORDING TO INTENDED USE AND TYPE OF OUTLET. CEILING OUTLET BOXES SHALL BE 4" OCTAGONAL AND 1-1/2" DEEP. USE 2-1/8" DEEP OCTAGONAL BOXES OR 4" SQUARE BOXES WHERE REQUIRED. ALL CEILING OUTLET BOXES SHALL HAVE A FIXTURE STUD OF 'NO BOLT SELF-LOCKING' TYPE INSTALLED IF REQUIRED TO HANG THE FIXTURE SPECIFIED AT THE OUTLET.

3.03 JUNCTION BOXES
A. JUNCTION BOXES SHALL BE SIZED ACCORDING TO NUMBER OF CONDUCTORS IN BOX OR TYPE OF SERVICE TO BE PROVIDED. MINIMUM JUNCTION BOX SIZE 4-11/16" SQUARE AND 2-1/8" DEEP. PROVIDE SCREW COVERS FOR JUNCTION BOXES.
B. USE CODE GAUGE STEEL WITH SCREW COVERS FOR PULL BOXES WITH PRIME COAT AND PROVIDED WITH SCREW COVER. SIZE PULL BOXES ACCORDING TO THE NEC.
C. PROVIDE PULL BOX EVERY 100' OF CONDUIT RUN OR WHERE EXCESSIVE NUMBER OF BENDS NECESSITATES A BOX FOR EASE OF WIRE INSTALLATION.

END OF SECTION

SECTION 16141: WIRING DEVICES AND PLATES
PART 1 - PRODUCTS
1.01 WALL SWITCHES
A. COLOR OF WIRING DEVICES AND COVER PLATES SHALL BE SELECTED BY ARCHITECT.
B. RATINGS: 20 AMPS, 120/277 VOLTS A.C. OR AS IDENTIFIED ON DRAWINGS.
C. DEVICES: (LEVITON CATALOG NUMBERS ARE LISTED UNLESS NOTED OTHERWISE)
1. SINGLE POLE TOGGLE SWITCHES:
A. 20 AMP IVORY DEVICE - #1221-21
B. 20 AMP PILOT LIGHTS ILLUMINATED WITH LOAD ON - #1221-PL
2. DOUBLE POLE TOGGLE SWITCHES: 20 AMP IVORY DEVICE - #1221-PL
3. CROUSE-HINDS #ED52129 OR APPROVED EQUAL EXPLOSION PROOF SWITCH PER PLANS IN CLASS 1 DIVISION 1 AREAS.

1.02 RECEPTACLES
A. COLOR OF WIRING DEVICES AND COVER PLATES SHALL BE SELECTED BY ARCHITECT.
B. DEVICES: (LEVITON CATALOG NUMBERS ARE LISTED UNLESS OTHERWISE NOTED):
1. SPECIFICATION GRADE DEVICES
A. 20 AMP, 125 VOLTS A.C., RECEPTACLES
1. SINGLE DEVICE: #5361-I (IVORY)
2. DUPLEX DEVICE: 5362A-I OR GY (GREY)
3. ISOLATED GROUND SINGLE DEVICE: #5362IG-ORANGE
4. ISOLATED GROUND SINGLE DEVICE: #5361IG-ORANGE

1.03 SPECIAL DEVICES
A. MANUAL MOTOR STARTER SWITCH: SQ. D CLASS 2510, TYPE F, FOR USE ON MOTORS UP TO 3/4 HORSEPOWER. PROVIDE NEMA 1 ENCLOSURE IN DRY LOCATIONS; PROVIDE NEMA 3R ENCLOSURE IN WET OR EXTERIOR LOCATIONS.
B. CROUSE HINDS REPP OR APPROVED EQUAL MANUAL MOTOR STARTER FOR CLASS 1 DIV. 1 AREAS PER PLANS.

1.04 WALL PLATES
A. PROVIDE SPECIFICATION/COMMERCIAL GRADE STAINLESS STEEL LEVITON SERIES FOR SWITCHES, COMMUNICATION AND POWER OUTLETS.
B. PROVIDE BLANK PLATES ON ALL OUTLET BOXES FOR FUTURE OUTLETS OR OUTLETS WITHOUT DEVICES. BLANK PLATE STYLE SHALL MATCH DEVICE PLATES.
C. IMPACT RESISTANT CAST METAL LEVITON SERIES FOR WEATHERPROOF DUPLEX GFCI RECEPTACLES LOCATED OUTSIDE OR IN WET LOCATIONS. PROVIDE WITH 'WHILE IN USE COVER'.
D. WHERE DEVICES ARE INSTALLED IN EXPOSED BOXES OR CONDUIT FITTINGS, PROVIDE PROPERLY DESIGNED PLATES AND EXPOSED WORK COVERS.
E. INSTALL GALVANIZED STEEL PLATES ON OUTLET BOXES AND JUNCTION BOXES IN UNFINISHED AREAS, ABOVE ACCESSIBLE CEILINGS, AND ON SURFACE-MOUNTED BOXES.

PART 2 - EXECUTION
2.01 INSTALLATION
A. MOUNTING.
1. MOUNT SWITCHES AND RECEPTACLES AT HEIGHT ABOVE FINISHED FLOORS AS INDICATED ON PLANS, AND LEGEND.
2. MOUNT SWITCHES ON STRIKE SIDE OF DOOR MAXIMUM 8" FROM DOOR FRAME. OUTLET BOX FOR SWITCH SHALL BE LOCATED CLEAR OF DOOR FRAME. COORDINATE WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.
3. INSTALL SWITCHES WITH OFF POSITION DOWN.
4. FOR GFCI TYPE RECEPTACLES, DO NOT USE THE FEED THRU FEATURE UNLESS OTHERWISE INDICATED ON PLANS.
5. USE JUMBO SIZED PLATES FOR OUTLETS INSTALLED IN MASONRY WALLS.
6. EACH RECEPTACLE SHALL BE PROVIDED WITH A #12 GREEN GROUNDING JUMPER BETWEEN THE GROUND TERMINAL OF THE RECEPTACLE AND THE OUTLET BOX.
7. THE GROUNDING CONDUCTOR TO EACH RECEPTACLE SHALL BE INSTALLED SUCH THAT THE REMOVAL OF THE DEVICE WILL NOT INTERFERE WITH THE CONTINUITY OF THE GROUND.
B. TESTING.
1. TEST EACH SWITCH AND VERIFY PROPER OPERATION WITH ENERGIZED CIRCUIT.
2. TEST EACH RECEPTACLE FOR PROPER POLARITY ON ENERGIZED CIRCUIT.
3. TEST EACH GFCI RECEPTACLE WITH GFCI RECEPTACLE TESTER AND VERIFY CIRCUIT IS OPENED BY GFCI DEVICE AT AMPERE RANGERS ESTABLISHED BY MANUFACTURER.

END OF SECTION

SECTION 16170: GROUNDING AND BONDING
GROUNDING SYSTEM
PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUITS, SUPPORTS, CABINETS, PANEL BOARDS AND SYSTEM GROUNDING NEUTRAL. MAINTAIN CONTINUITY OF EQUIPMENT GROUND THROUGHOUT THE SYSTEM. GROUND CLAMPS SHALL BE APPROVED TYPE, SPECIFICALLY DESIGNED FOR GROUNDING. WHERE GROUNDING CONDUCTOR IS ENCLOSED IN CONDUIT, GROUND CLAMP SHALL BE OF A TYPE WHICH GROUNDS BOTH CONDUCTOR AND CONDUIT. ALL CIRCUITS IN FLEXIBLE CONDUITS OR PLASTIC (PVC) CONDUIT SHALL INCLUDE A GROUND WIRE SIZED IN ACCORDANCE WITH NEC ART150. CONDUIT SHALL ALLOWED AS A GROUNDING MEANS.

PART 1 - PRODUCTS
1.01 ROD ELECTRODES
A. MATERIAL: COPPER-CLAD STEEL.
B. DIAMETER: 3/4 INCH.
C. LENGTH: 10 FEET MINIMUM.

1.02 MECHANICAL CONNECTORS
A. MATERIAL: BRONZE.

1.03 WIRE
A. MATERIAL: STRANDED COPPER.
B. FOUNDATION ELECTRODES: 3/0 AWG.
C. GROUNDING ELECTRODE CONDUCTOR: SIZE TO MEET

PART 2 - EXECUTION
2.01 INSTALLATION
A. PROVIDE BONDING TO MEET REGULATORY REQUIREMENTS.
B. BOND TOGETHER EACH METALLIC RACEWAY, PIPE, DUCT AND OTHER METAL OBJECTS.
C. PROVIDE DEDICATED, ISOLATED GROUNDING CONDUCTOR FOR CIRCUITS SUPPLYING ALL ISOLATED GROUND OUTLETS. INSULATION SHALL BE GREEN WITH YELLOW STRIPE. SIZE PER NEC 250. ISOLATED GROUNDING CONDUCTOR SHALL RUN IN ADDITION TO EQUIPMENT GROUNDING CONDUCTOR AND THE BRANCH CIRCUIT CONDUCTORS IN SAME CONDUIT. TERMINATE ON THE ISOLATED GROUND BUS WITHIN THE PANEL BOARD SERVING LOAD.

2.02 GROUNDING
A. GROUND ELECTRICAL SYSTEM IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE ART.250 AND LOCAL AUTHORITIES HAVING JURISDICTION.
B. INSTALL A GREEN EQUIPMENT GROUNDING CONDUCTOR IN EACH RACEWAY, SIZED PER N.E.C. ART.250. TERMINATE ON EQUIPMENT GROUND BUS WITHIN PANEL BOARD SERVING LOAD.
C. INSTALL #6 AWG COPPER GROUNDING CONDUCTOR FROM GROUND BAR IN MAIN TELEPHONE BOX OR BOARD TO EQUIPMENT GROUND BUS IN MAIN DISTRIBUTION PANEL OR AT SERVICE ENTRANCE EQUIPMENT PER NEC.
D. ALL SEPARATE GROUNDING ELECTRODES SHALL BE BONDED TOGETHER PER NEC ART.250 AND BONDED BETWEEN THEIR ASSOCIATED WIRING SYSTEMS. THIS INCLUDES THE POWER SYSTEM, TELEPHONE SYSTEM, ETC.

2.03 FIELD QUALITY CONTROL
A. INSPECT GROUNDING AND BONDING SYSTEM CONDUCTORS AND CONNECTIONS FOR TIGHTNESS AND PROPER INSTALLATION.
END OF SECTION

SECTION 16190: SUPPORTING DEVICES AND HANGERS
PART 1 - PRODUCTS
1.01 ACCEPTABLE MANUFACTURERS
A. SUPPORTING DEVICES AND HANGERS SHALL BE MANUFACTURED BY RAYCO FASTENERS.

PART 2 - EXECUTION
2.01 INSTALLATION
A. SECURE CONDUITS WITHIN 3' OF EACH OUTLET BOX, JUNCTION BOX, CABINET, FITTING, ETC., AND AT INTERVALS NOT TO EXCEED TEN FEET AT OTHER LOCATIONS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. IN SEISMIC ZONES, SUPPORT CONDUITS 1" AND UNDER AT 6' INTERVALS.
B. INSTALL LAMPS SECURED TO STRUCTURE FOR FEEDER AND OTHER CONDUITS ROUTED AGAINST THE STRUCTURE. USE DROP RODS AND HANGERS OR RACKS TO SUPPORT CONDUITS RUN APART FROM THE STRUCTURE.
C. PROVIDE AND INSTALL SUITABLE ANGEL IRON, CHANNEL IRON OR STEEL METAL FRAMING WITH ACCESSORIES TO SUPPORT OR BRACE ELECTRICAL EQUIPMENT INCLUDING SAFETY SWITCHES, FIXTURES, PANEL BOARDS, ETC.
D. USE OF CHAINS, PERFORATED IRON, BALING WIRE OR TIE WIRES FOR SUPPORTING CONDUIT RUNS IS NOT PERMITTED.
E. PRO

COM*check* Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Slick City - Norman, OK
Project Type: New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 0.0 Proposed

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Retail	21413	1.06	22698
		Total Allowed Watts =	22698

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-Retail				
LED: L2: 6" RECESSED DOWNLIGHT: Other:	1	14	9	126
LED: L5: 2X4 FLAT: Other:	1	32	46	1472
LED: L6: HIGH BAY: Other:	1	55	158	8690
LED: E1: EMERGENCY BUG-EYE: Other: Exemption:Emergency lighting automatically off during normal business operation	1	22	4	Exempt
LED: E2: EXIT SIGN: Other: Exemption:Emergency lighting automatically off during normal business operation	1	9	3	Exempt
LED: E3: EXTERIOR EMERGENCY EGRESS: Other: Exemption:Emergency lighting automatically off during normal business operation	1	2	3	Exempt
LED: COM: COMBO EXIT/EGRESS: Other: Exemption:Exit signs	1	18	1	Exempt
			Total Proposed Watts =	10288

Interior Lighting PASSES: Design 55% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Alan Flores Pena — Name - Title
Alan Flores Pena — Signature
06/19/2026 — Date

COM*check* Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21][1]	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23][1]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL26][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.4 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.6 [EL26][2]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27][2]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8.2, C405.8.2.1 [EL28][2]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.9 [EL29][2]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][1]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.4.1 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.1 [FI16][1]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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A Dpld Ltd Company
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ADDISON, TX 75001
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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

LICENSED PROFESSIONAL ENGINEER — James Basquette — 32963 — STATE OF TEXAS

James R. Basquette

Digitally signed by James R. Basquette
DN: C=US, E=jbasquette@rtmec.com, O=RTM Engineering Consultants, CN=James R. Basquette
Date: 2026.06.23 11:27:03-05'00'

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Dallas, Texas 75254
rtmec.com | 972.387.3500

REMODEL

PROJECT NAME

SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
ELECTRICAL COMCHECK

SHEET NUMBER

E600

RESPONSIBILITY MATRIX

ITEMS	CONTRACTOR FURNISHED	CONTRACTOR INSTALLED	CONTRACTOR COORDINATE	OWNER FURNISH	OWNER INSTALLED	NOTES
01. GENERAL CONDITIONS						
PERMITS / FEES	●		●			
ASBESTOS ABATEMENT	●					N/A
TEMPORARY UTILITIES	●	●	●			
PROGRESS & FINAL CLEAN UP	●	●	●			
REMOVAL OF DUNNAGE	●	●	●			GC TO ANTICIPATE FF&E DUNNAGE TO FILL 2-3 DUMPSTERS
EQUIPMENT DELIVERY	●	●	●			GC TO PROVIDE LABOR TO RECIEVE & UNLOAD 2-4 SHIPPING CONTAINERS OF SLICK SLIDE EQUIPMENT
LIFTS & DUMPSTERS	●	●	●			GC TO PROVIDE MANLIFTS/SCISSOR LIFTS & FORK LIFT FOR SLICK SLIDE INSTALLERS, MURALISTS & AV CONTRACTOR (3-4 MONTHS)
02. SITE WORK						
UTILITIES: METERS, SERVICE, UNDERGROUND	●	●				
EXTERIOR CIVIL SCOPE						N/A
03. CONCRETE						
FLOOR TRENCHING	●	●	●			
CORING	●	●	●			IF REQUIRED
FINISHING	●	●	●			
MEZZANINE FLOOR	●	●	●			
04. MASONRY						
EXISTING EXPOSED MASONRY	●	●	●			REPAIR ALL EXPOSED MASONRY THROUGHOUT AS REQUIRED TO PROVIDE LIKE NEW FINISH PRIOR TO PAINTING
NEW EGRESS DOOR	●	●	●			
05. METALS						
STUD FRAMING	●	●	●			
BOX BEAM HEADERS	●	●	●			
STEEL FRAMING	●	●	●			
STRUCTURAL STEEL SPECIAL INSPECTIONS	●	●	●			GC TO CONTRACT WITH 3RD PARTY INSPECTION AS REQUIRED BY AHJ
GUARDRAILS AT ATTRACTIONS				●	●	
STAIR & MEZZANINE GUARDRAILS / HANDRAILS	●	●	●			
06. WOOD & PLASTICS						
CARPENTRY	●	●	●			
LAMINATES	●	●	●			
ARCHITECTURAL MILLWORK	●	●	●			
BLOCKING	●	●	●			BLOCKING FOR WALL MOUNTED EQUIPMENT, FENCING, HANDRAILS & GUARDRAILS
07. THERMAL & MOISTURE PROTECTION						
FIREPROOFING	●	●	●			REPAIR ANY EXISTING FIREPROOFING IF REQUIRED, ALL PENETRATIONS THROUGH RATED WALLS ARE TO BE RATED PER LOCAL CODE REQUIREMENTS.
FIREPROOFING SPECIAL INSPECTIONS	●	●	●			AS REQUIRED PER LOCAL CODE AUTHORITY
EXISTING ROOF INSULATION	●	●	●			IF DAMAGED / REQUIRED, PARCH ROOF INSULATION & REPAIR SEALS AROUND ROOF CURBS & PENETRATIONS
SOUND INSULATION	●	●	●			ALL INTERIOR WALLS
ACOUSTIC WALL	●	●	●			NEW ACOUSTIC WALL IN FRONT OF EXISTING DEMISING WALL (IF DESIGNED)
08. DOORS & WINDOWS						
KEYING FOR INTERIOR / EMERGENCY EGRESS	●	●	●			
DOORS & FRAMES	●	●	●			
OVERHEAD DOORS	●	●	●			
ENTRANCES & STOREFRONTS	●	●	●			RE-KEY; ADJUST EXISTING DOORS TO PROPER WORKING ORDER & REPAIR IF REQUIRED
FINISH HARDWARE, PANIC & ASSOCIATED ALARM DEVICES	●	●	●			VERIFY EXISTING PANIC HARDWARE IS IN WORKING ORDER. REPAIR / REPLACE IF REQUIRED
09. FINISHES						
BRICK FAÇADE		●	●	●		PROVIDED BY SLICK CITY, INSTALLED BY GC
RUBBER FLOORING		●	●	●		PROVIDED BY SLICK CITY, INSTALLED BY GC
FLOORING AT KIDS ZONE		●	●	●		PROVIDED BY SLICK CITY, INSTALLED BY GC
VCT, LVT, TILE FLOORING, WALL TILE	●	●	●			
VINYL BASE	●	●	●			
PAINT	●	●	●			
RUBBER STAIR TREADS & RISERS	●	●	●			
MURALS			●	●	●	BY OWNER, GC TO COORDINATE TIMING W/ OWNER
FRP	●	●	●			
10. SPECIALTIES						
FIRE EXTINGUISHERS	●	●	●			
TOILET ROOM ACCESSORIES	●	●	●			
RESTROOM & OTHER ADA ROOM SIGNAGE	●	●	●			
EXTERIOR SIGNAGE	●	●	●	●	●	OWNER TO PROVIDE & INSTALL SIGN. GC TO PROVIDE POWER
11. EQUIPMENT						
BREAKROOM EQUIPMENT	●	●	●			
TELEVISIONS			●	●	●	GC TO PROVIDE POWER
AV EQUIPMENT			●	●	●	GC TO PROVIDE POWER
FOOD & BEVERAGE EQUIPMENT		●	●	●		OWNER PROVIDED EQUIPMENT. GC TO RECEIVE & INSTALL
ARCADE EQUIPMENT		●	●	●		GC TO PROVIDE POWER. COORDINATE LOCATIONS W/ OWNER
12. FURNISHINGS						
FURNITURE				●	●	GC TO RECEIVE & STORE. GC TO PROVIDE DUMPSTER FOR FF&E TRASH
LOCKERS				●	●	GC TO PROVIDE POWER. COORDINATE LOCATIONS W/ OWNER
13. SPECIAL CONSTRUCTION						
ATTRACTIONS / SLIDES				●	●	GC TO COORDINATE TIME OF INSTALL W/ OWNER
ATTRACTION GUARD RAILS				●	●	GC TO COORDINATE TIME OF INSTALL W/ OWNER
14. CONVEYING SYSTEMS						
LIFT TO MEZZANINE						N/A
21. FIRE SUPPRESSION						
FIRE SUPPRESSION SYSTEM	●	●	●			GC TO MODIFY EXISTING SYSTEM AS REQUIRED FOR ADEQUATE COVERAGE & TO BE IN COMPLIANCE WITH OCCUPANCY TO PROVIDE ANY DOCUMENTS, PERMITS, FEES REQUIRED BY LOCAL AUTHORITY.
22. PLUMBING						
PLUMBING	●	●	●			
23. HVAC						
EXHAUST SYSTEMS	●	●	●			
HVAC DISTRIBUTION	●	●	●			GC TO MODIFY EXISTING & PROVIDE NEW AS DESIGNED
DUCT DETECTORS, ZONE DAMPERS	●	●	●			
ROOF TOP UNITS & CURBS	●	●	●			
DUCTWORK	●	●	●			
WARRANTY	●	●	●			
TESTING & BALANCING	●	●	●			
26. ELECTRICAL						
ELECTRICAL DISTRIBUTION	●	●	●			ALL POWER CONDUIT IN MAIN AREA TO BE RUN OVERHEAD
LIGHT FIXTURES	●	●	●			
LIGHTING CONTROLS & OCCUPANCY SENSORS	●	●	●			
EXIT SIGNS	●	●	●			
27. COMMUNICATION / AV						
COMPUTERS / TELEPHONES			●	●	●	GC TO COORDINATE INSTALLATION TIMING
SECURITY EQUIPMENT			●	●	●	GC TO PROVIDE CONDUIT
SECURITY SYSTEM			●	●	●	GC TO PROVIDE CONDUIT
SOUND SYSTEM			●	●	●	GC TO PROVIDE CONDUIT
FX LIGHTING			●	●	●	GC TO PROVIDE CONDUIT
HVAC CONNECTION TO B.A.S.	●	●	●			
28. FIRE ALARM						
FIRE ALARM CONTROL PANEL	●	●	●			GC TO DESIGN & PROVIDE VOICE EVAC SYSTEM PER LOCAL CODES & ENSURE THAT THE SYSTEM WORKS WITH THE A/V SYSTEM.

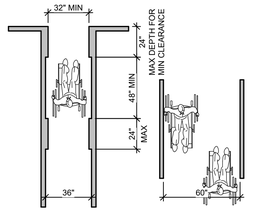
SLICK CITY ACTION PARK™

1100 W. MAIN ST.
NORMAN, OK 73069

DEVELOPMENT LOCATION MAP

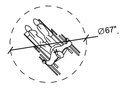
DEVELOPMENT
W Main St
W Gray St
Garver St
W Comanche St
W Eufaula St
Ann Arbor Dr
Sunset Dr
Huntington Way
Barbour St
Auto Spa
Starbucks Coffee Company
Norman High School Performing Arts
Norman High School
Post Office
Chase Bank
Bank of Oklahoma
Subway
Jimmy John's
Jersey Mike's Subs
Sooner Theatre
Mural Site
Mural Site
Mural Site

ACCESSIBILITY DETAILS

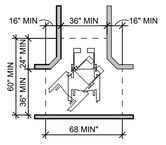


MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR

MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS

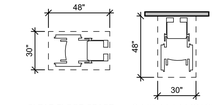


67" DIAMETER SPACE



T-SHAPED SPACE FOR 180° TURNS

CLEAR FLOOR SPACE



CLEAR FLOOR SPACE

FORWARD APPROACH

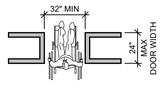
PARALLEL APPROACH

NOTE: IF X > 24", THENAN ADDITIONAL MANEUVERING CLEARANCE OF 6" SHALL BE PROVIDED AS SHOWN

NOTE: IF X > 15", THEN AN ADDITIONAL MANEUVERING CLEARANCE OF 12" SHALL BE PROVIDED AS SHOWN

NOTE: X < 24"

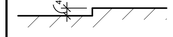
NOTE: X < 15"



CLEAR DOORWAY WIDTH AND DEPTH

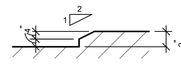
MANEUVERING ACCESS

CHANGES IN LEVEL OF 1/4" HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT



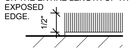
VERTICAL CHANGE IN LEVEL

CHANGES IN LEVEL BETWEEN 1/4" HIGH MINIMUM AND 1/2" HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.



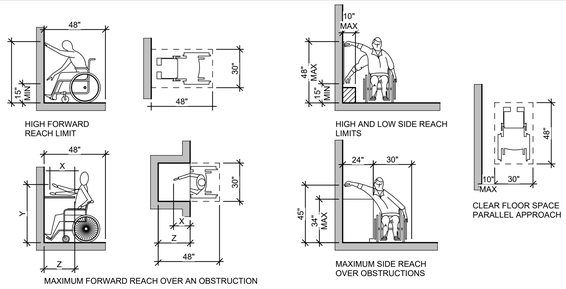
BEVELED CHANGE IN LEVEL

CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, LEVEL CUT/UNCUT PILE TEXTURE, PILE HEIGHT SHALL BE 1/2" MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE.



CARPET PILE THICKNESS

LEVEL CHANGES



HIGH FORWARD REACH LIMIT

HIGH AND LOW SIDE REACH LIMITS

CLEAR FLOOR SPACE PARALLEL APPROACH

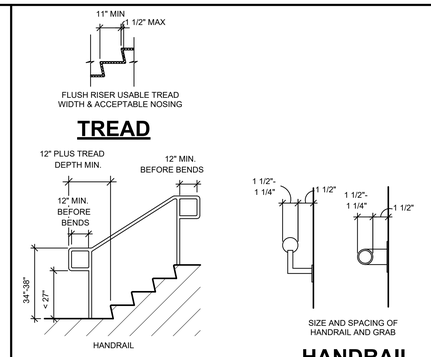
MAXIMUM FORWARD REACH OVER AN OBSTRUCTION

MAXIMUM SIDE REACH OVER OBSTRUCTIONS

NOTE: X SHALL BE LESS THAN OR EQUAL TO 25 INCHES. Z SHALL BE GREATER THAN OR EQUAL TO X. WHEN X IS LESS THAN 20 INCHES, THEN Y SHALL BE 48 INCHES MAXIMUM. WHEN X IS 20 TO 25 INCHES, THEN Y SHALL BE 44 INCHES MAXIMUM.

FORWARD REACH

SIDE REACH



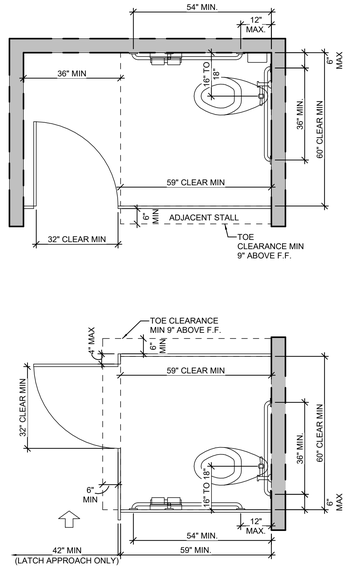
FLUSH RISER USABLE TREAD WIDTH & ACCEPTABLE NOSING

TREAD

HANDRAIL

SIZE AND SPACING OF HANDRAIL AND GRAB

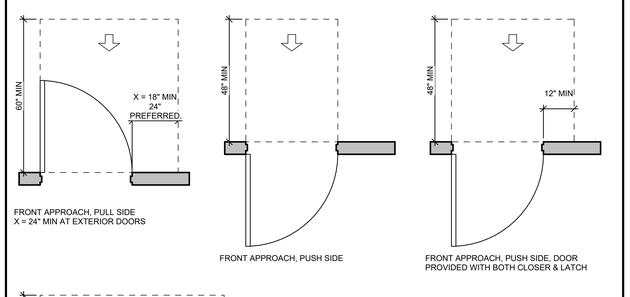
HANDRAIL

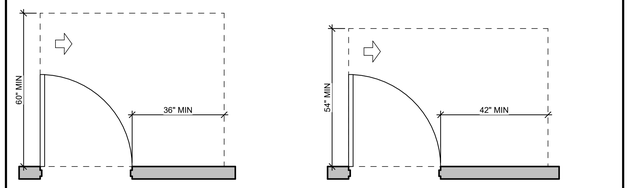


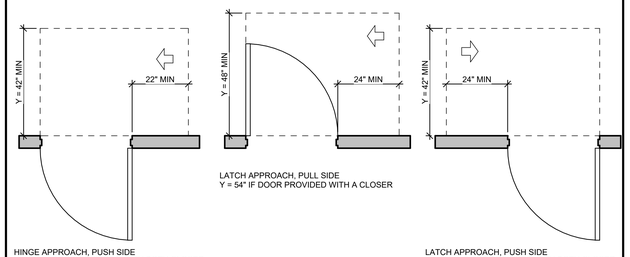
RESTROOMS REQUIREMENTS

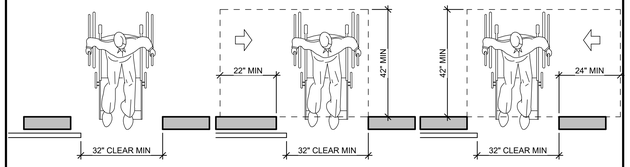
URINAL

LAVATORY



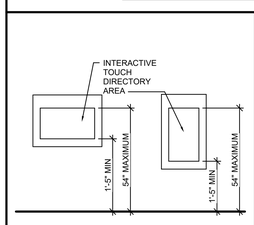




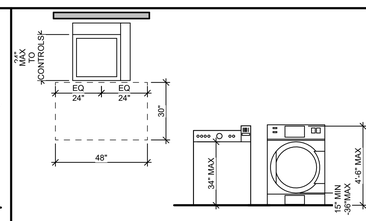


DOOR CLEARANCES

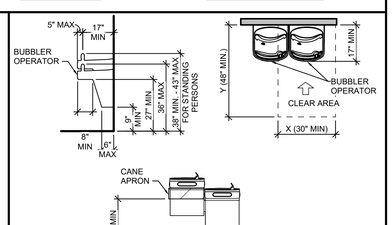
PROTRUDING OBJECTS



ELEC DIRECTORY



WASHER & DRYER



DRINKING FOUNTAIN

ACCESSIBILITY NOTES / REQUIREMENTS

2024 ICC A117.1

304 TURNING SPACE

304.2 FLOOR SURFACE. FLOOR SURFACES OF A TURNING SPACE SHALL COMPLY WITH SECTION 302. CHANGES IN LEVEL ARE NOT PERMITTED WITHIN THE TURNING SPACE.

304.3 SIZE. TURNING SPACES SHALL COMPLY WITH SECTION 304.3.1 OR 304.3.2.

304.3.1.2 EXISTING BUILDINGS & FACILITIES. IN EXISTING BUILDINGS & FACILITIES, THE TURNING SPACE SHALL BE A CIRCULAR SPACE WITH A 60 INCH MINIMUM DIAMETER.

305 CLEAR FLOOR SPACE

305.2 FLOOR SURFACES. FLOOR SURFACES OF A CLEAR FLOOR SPACE SHALL COMPLY WITH SECTION 302. CHANGES IN LEVEL ARE NOT PERMITTED WITHIN THE CLEAR FLOOR SPACE. EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

305.3 SIZE. THE CLEAR FLOOR SPACE SHALL BE 48 INCHES MINIMUM IN LENGTH & 30 INCHES MINIMUM IN WIDTH.

305.4 KNEE & TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR SPACE SHALL BE PERMITTED TO INCLUDE KNEE & TOE CLEARANCE COMPLYING WITH SECTION 306.

309 OPERABLE PARTS

309.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305 SHALL BE PROVIDED.

309.3 HEIGHT. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE OF THE REACH RANGES SPECIFIED IN SECTION 308.

309.4 OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND & SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5.0 POUNDS MAXIMUM.

404.2.6 DOOR HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, & OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND & DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. THE OPERATIONAL FORCE TO RETRACT OR DISENGAGE DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSED POSITION SHALL BE AS FOLLOWS

1. HARDWARE OPERATION BY A FORWARD, PUSHING OR PULLING MOTION: 15 POUNDS MAXIMUM.
2. HARDWARE OPERATION BY A ROTATIONAL MOTION: 28 INCH-POUNDS MAXIMUM.

404.2.7 CLOSING SPEED.

404.2.7.1 DOOR CLOSERS. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM.

404.2.7.2 SPRING HINGES. DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM.

404.2.8 DOOR-OPENING FORCE. FIRE DOORS OR GATES REQUIRED TO BE EQUIPPED WITH PANIC HARDWARE, BREAK AWAY FEATURES OR OTHER FACTORS REQUIRING HIGHER OPENING FORCE FOR SAFETY REASONS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE IN SCOPING PROVISIONS ADOPTED BY BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. FOR OTHER DOORS OR GATES, THE FORCE FOR PUSHING OR PULLING OPEN DOORS OR GATES SHALL BE AS FOLLOWS:

1. INTERIOR HINGED DOOR: 5.0 POUNDS MAXIMUM
2. SLIDING OR FOLDING DOOR: 5.0 POUNDS MAXIMUM

EXCEPTION: THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION SHALL NOT APPLY TO PANIC HARDWARE, DELAYED EGRESS DEVICES OR FIRE-RATED HARDWARE.

404.2.9 DOOR & GATE SURFACE. DOOR & GATE SURFACES WITHIN 10 INCHES OF THE FLOOR, MEASURED VERTICALLY, SHALL BE SMOOTH SURFACES ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. DOOR & GATE HARDWARE OR ANY OTHER PROTRUSION SHALL NOT BE MOUNTED IN NOR EXTEND INTO THE AREA WITHIN 10 INCHES OF THE FLOOR. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN SUCH SURFACE SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.

602 DRINKING FOUNTAINS & BOTTLE FILLING STATIONS

602.1 GENERAL. DRINKING FOUNTAINS FOR PERSONS USING WHEELCHAIRS SHALL COMPLY WITH SECTIONS 602.2 & 301. DRINKING FOUNTAINS FOR PERSONS WHO ARE STANDING SHALL COMPLY WITH SECTION 602.3 & 307.

602.2.1 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE POSITIONED FOR FORWARD APPROACH SHALL BE PROVIDED. KNEE & TOE SPACE COMPLYING WITH SECTION 306 SHALL BE PROVIDED. THE CLEAR FLOOR SPACE SHALL BE CENTERED ON THE DRINKING FOUNTAIN.

602.2.3 SPOUT OUTLET HEIGHT. SPOUT OUTLETS OF DRINKING FOUNTAINS SHALL BE 36" MAXIMUM ABOVE THE FLOOR.

602.2.4 SPOUT LOCATION. THE SPOUT SHALL BE LOCATED 15" MINIMUM FROM THE VERTICAL SUPPORT & 5" MAXIMUM FROM THE FRONT EDGE OF THE DRINKING FOUNTAIN, INCLUDING BUMPERS.

602.2.5 WATER FLOW. THE SPOUT SHALL PROVIDE A FLOW OF 4" MIN. IN HEIGHT. THE ANGLE OF THE WATER STREAM FROM SPOUTS WITHIN 3" OF THE FRONT OF THE DRINKING FOUNTAIN SHALL BE 30 DEGREES MAX. & FROM SPOUTS 3" & 5" FROM THE FRONT OF THE DRINKING FOUNTAIN SHALL BE 15 DEGREES MAXIMUM, MEASURED HORIZONTALLY RELATIVE TO THE FACE OF THE DRINKING FOUNTAIN.

602.3.2 SPOUT OUTLET HEIGHT. SPOUT OUTLETS OF DRINKING FOUNTAINS SHALL BE 38" MINIMUM & 43" MAXIMUM ABOVE THE FLOOR.

604 WATER CLOSETS & TOILET COMPARTMENTS

604.4 HEIGHT. THE HEIGHT OF WATER CLOSET SEATS SHALL BE 17 INCHES MINIMUM & 19 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH SECTION 609 & SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 604.5.1 & 604.5.2. GRAB BARS SHALL BE PROVIDED ON THE REAR WALL & ON THE SIDE WALL CLOSEST TO THE WATER CLOSET.

604.5.1 FIXED SIDE WALL GRAB BARS. FIXED SIDE-WALL GRAB BARS SHALL INCLUDE A HORIZONTAL BAR COMPLYING WITH SECTION 604.5.1.1 & A VERTICAL GRAB BAR COMPLYING WITH SECTION 604.5.1.2. THE VERTICAL GRAB BAR FOR WATER CLOSETS PRIMARILY FOR CHILDREN'S USE SHALL COMPLY WITH 609.4.2.

604.5.1.1 HORIZONTAL GRAB BAR. A HORIZONTAL GRAB BAR 42" MINIMUM IN LENGTH SHALL BE LOCATED 12" MAXIMUM FROM THE REAR WALL & EXTEND 54" MINIMUM FROM THE REAR WALL.

604.5.1.2 VERTICAL GRAB BAR. A VERTICAL GRAB BAR 18" MINIMUM IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM BAR LOCATED 39" MINIMUM & 41 INCH MAXIMUM ABOVE THE FLOOR, & WITH THE CENTER LINE OF THE BAR LOCATED 39" MINIMUM & 41" MAXIMUM FROM THE REAR WALL.

604.5.2 REAR WALL GRAB BARS. THE REAR WALL GRAB BAR SHALL

1. BE 36" MINIMUM IN LENGTH,
2. BE LOCATED 6" MAXIMUM FROM THE SIDE WALL, &
3. EXTEND 42" MINIMUM FROM THE SIDE WALL.

605 URINALS

605.2 HEIGHT & DEPTH. URINALS SHALL BE OF THE STALL TYPE OR SHALL BE OF THE WALL HUNG TYPE WITH THE RIM AT 17 INCHES MAXIMUM ABOVE THE FLOOR. URINALS SHALL BE 13-1/2 INCHES MINIMUM IN DEPTH MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE FINISHED WALL SURFACE.

605.3 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE FOR FORWARD APPROACH, SHALL BE PROVIDED.

606 LAVATORIES & SINKS

606.2 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH SECTION 305.3, POSITIONED FOR FORWARD APPROACH, SHALL BE PROVIDED. KNEE & TOE CLEARANCE COMPLYING WITH SECTION 306 SHALL BE PROVIDED. THE DIP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE & TOE CLEARANCES.

606.3 HEIGHT. THE FRONT OF LAVATORIES & SINKS SHALL BE 34 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURFACE.

606.4 FAUCETS. FAUCETS SHALL COMPLY WITH SECTION 309. HAND-OPERATED METERING FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MINIMUM.

606.5 LAVATORIES WITH ENHANCED REACH RANGE. WHERE ENHANCED REACH RANGE IS REQUIRED AT LAVATORIES, FAUCETS & SOAP DISPENSER CONTROLS SHALL HAVE A REACH DEPTH OF 11 INCHES MAXIMUM. WATER & SOAP OUTLETS SHALL BE PROVIDED WITH A REACH DEPTH OF 11" MAXIMUM. THE LAVATORY SHALL BE 34" MAXIMUM ABOVE THE FLOOR, MEASURED TO THE HIGHER OF THE RIM OR COUNTER SURFACE.

EXCEPTIONS:

1. ENHANCED REACH RANGE FAUCETS SHALL NOT BE REQUIRED ON LAVATORIES PROVIDED WITH AUTOMATIC FAUCETS WHERE THE REACH DEPTH TO ACTIVATE THE FAUCETS & THE REACH DEPTH TO THE WATER OUTLET IS 11" MAX.
2. ENHANCED REACH RANGE SOAP DISPENSERS SHALL NOT BE REQUIRED ON LAVATORIES PROVIDED WITH AUTOMATIC DISPENSERS WHERE THE REACH DEPTH TO ACTIVATE THE SOAP DISPENSERS & THE REACH DEPTH TO THE SOAP OUTLET IS 11" MAX.

606.6 EXPOSED PIPES & SURFACES. WATER SUPPLY & DRAINPIPES UNDER LAVATORIES & SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES & SINKS.

609 GRAB BARS

609.2 CROSS SECTION. GRAB BARS SHALL HAVE A CROSS SECTION COMPLYING WITH SECTION 609.2.1 OR 609.2.2.

609.2.1 CIRCULAR CROSS SECTION. GRAB BARS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4 INCH MINIMUM & 2 INCHES MAXIMUM.

609.2.2 NONCIRCULAR CROSS SECTION. GRAB BARS WITH A NONCIRCULAR CROSS SECTION SHALL HAVE A CROSS SECTION DIMENSION OF 2 INCHES MAXIMUM, & A PERIMETER DIMENSION OF 4 INCHES MINIMUM & 4.8 INCHES MAXIMUM.

609.3 SPACING. THE SPACE BETWEEN THE WALL & THE GRAB BAR SHALL BE 1-1/2 INCHES. THE SPACE BETWEEN THE GRAB BAR & PROJECTING OBJECTS BELOW & AT THE ENDS OF THE GRAB BAR SHALL BE 1-1/2 INCHES MINIMUM. THE SPACE BETWEEN THE GRAB BAR & PROJECTING OBJECTS ABOVE THE GRAB BAR SHALL BE 12 INCHES MINIMUM.

609.8 STRUCTURAL STRENGTH. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHERE A VERTICAL OR HORIZONTAL FORCE OF 250 POUNDS IS APPLIED AT ANY POINT ON THE GRAB BAR, FASTENER MOUNTING DEVICE, OR SUPPORTING STRUCTURE.

611 WASHING MACHINES & CLOTHES DRYERS.

611.2 CLEAR FLOOR SPACE. A CLEAR SPACE FOR PARALLEL APPROACH SHALL BE PROVIDED. FOR TOP LOADING MACHINES, THE CLEAR FLOOR SPACE SHALL BE CENTERED ON THE APPLIANCE. FOR FRONT LOADING MACHINES, THE CENTERLINE OF THE CLEAR FLOOR SPACE SHALL BE OFFSET 24" MAXIMUM FROM THE CENTERLINE OF THE DOOR OPENING.

611.3 OPERABLE PARTS. OPERABLE PARTS, INCLUDING DOORS, LINT SCREENS, DETERGENT & BLEACH COMPARTMENTS SHALL COMPLY WITH SECTIONS 308 & 309.

611.4 HEIGHT. TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENT LOCATED 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT 15 INCHES MINIMUM & 36 INCHES MAXIMUM ABOVE THE FLOOR.

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
ACCESSIBILITY DETAILS

SHEET NUMBER
G002

ARCHITECTURAL SPECIFICATIONS

1.0 GENERAL CONDITION

1.1 ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE HIGHEST QUALITY STANDARDS OF THE INDUSTRY FOR MATERIAL, CRAFTSMANSHIP AND INSTALLATION OF EACH TRADE.

1.2 ANY DISCREPANCIES IN DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.

1.3 THE CONTRACTOR SHALL PROVIDE THE ARCHITECT AND CONSTRUCTION MANAGER WITH SCHEDULING INFORMATION PRIOR TO CONSTRUCTION THAT WILL BE UPDATED IF THERE ARE ANY CHANGES.

1.4 ALL WORK PERFORMED TO BE IN STRICT COMPLIANCE WITH GOVERNING FEDERAL, STATE, AND LOCAL BUILDING CODE REQUIREMENTS, EXECUTED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS, AND CONFORM TO SPECIFIC REGULATIONS AS MANDATED BY THE LANDLORD, CONSTRUCTION MANAGER, AND ARCHITECT.

1.5 SUBMIT FOR APPROVAL, PRIOR TO FABRICATION OR PURCHASE, SHOP DRAWINGS AND/OR SAMPLES FOR ITEMS REQUESTED BY THE ARCHITECT OR THE CONSTRUCTION MANAGER.

1.6 UNLESS'' NOTED, EXISTING CONSTRUCTION, MATERIALS AND FINISHES SHALL REMAIN. ANY DAMAGE DONE TO THESE ITEMS SHALL BE REPAIRED TO THE ORIGINAL CONDITION BY A MEANS APPROVED BY THE CONSTRUCTION MANAGER.

1.7 BUILDING SITE BEHAVIOR:

A. WHILE ON SITE, CONSTRUCTION WORKERS WILL BE CONFINED TO THE CONSTRUCTION AREA ONLY.
B. ANY CONSTRUCTION WORKER CAUGHT STEALING, DRINKING ALCOHOL, OR USING ILLEGAL SUBSTANCE WILL BE IMMEDIATELY BANNED FROM THE BUILDING. A PROFESSIONAL MANNER IS EXPECTED IN ALL PUBLIC AREAS AND INAPPROPRIATE LANGUAGE OR COMMENTS WILL NOT BE TOLERATED.
C. NO COOKING OF ANY KIND WILL BE ALLOWED ON THE SITE.
D. ABSOLUTELY NO FOOD OR BEVERAGES OR SMOKING WILL BE ALLOWED ON THE CONSTRUCTION SITE AFTER PAINTING OR INSTALLATION OF CARPET HAS BEGUN.

1.8 ALL COMMUNICATION REQUIRED SHALL BE THROUGH THE CONSTRUCTION MANAGER AT THE START OF CONSTRUCTION.

1.9 PROVIDE SUBMITTAL OF ALL FINISH MATERIALS NOT PROVIDED BY THE CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO PURCHASE ORDER.

1.10 THE CONTRACTOR SHALL REMEDY ANY DEFECTS IN THE WORK AND PAY FOR ANY DAMAGE OR OTHER WORK RESULTING THERE FROM WHICH SHALL APPEAR WITHIN A PERIOD OF ONE (1) YEAR FROM THIS DATE OR FINAL ACCEPTANCE UNLESS A LONGER PERIOD IS OTHERWISE SPECIFIED OR A DIFFERENCE WARRANTY PERIOD HAS BEEN ESTABLISHED IN THE SUBSTANTIAL COMPLETION CERTIFICATION.

1.11 ALL CUTTING, CORING, DRILLING AND PATCHING REQUIRED FOR THE INSTALLATION OF SYSTEMS HEREIN DESCRIBED, SHALL BE PROVIDED BY THE CONTRACTOR. STRUCTURAL MEMBERS SHALL NOT BE DISTURBED WITHOUT PRIOR APPROVAL OF THE ARCHITECT/CONSTRUCTION MANAGER. ALL AREAS DISTURBED BY WORK PERFORMED UNDER THIS CONTRACT SHALL BE NEATLY REPAIRED AND REFINISHED TO THE CONDITION OF ADJOINING SURFACES IN A SUITABLE MANNER TO THE ARCHITECT/CONSTRUCTION MANAGER.

A. WHERE CUTTING OR CORING IS NECESSARY, IT SHALL BE DONE BY METHODS WHICH WILL NOT DAMAGE THE STRUCTURE, AND SHALL BE SUBJECT TO PRIOR WRITTEN APPROVAL OF THE ARCHITECT. ANY DAMAGE TO STRUCTURE OR FINISHED SURFACES SHALL BE REPAIRED TO THE SATISFACTION OF THE CONSTRUCTION MANAGER AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL PAY ALL COST ASSOCIATED WITH OBTAINING APPROVAL OF CUTTING OR CORE DRILLING OF EXISTING STRUCTURE FROM A REGISTERED ENGINEER.

1.12 THE DRAWINGS SHALL SERVE AS WORKING DRAWINGS FOR THE GENERAL LAYOUT OF THE VARIOUS ITEMS OF EQUIPMENT. HOWEVER LAYOUT OF EQUIPMENT, ACCESSORIES, SPECIALTIES (INCLUDING FURNITURE),AND CONDUIT SYSTEMS ARE DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. IF ADDITIONAL JUNCTION BOX, PULL BOX, OR OTHER SIMILAR ITEMS ARE REQUIRED TO COMPLETE AN INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF THE ADDITIONAL WORK AND COST PRIOR TO PROCEEDING. FAILURE TO NOTIFY CONSTRUCTION MANAGER IN ADVANCE BEFORE CHANGES ARE MADE WILL RESULT IN CHANGES BEING DONE SOLELY AT CONTRACTOR'S EXPENSE.

1.13 ALL SCALE DIMENSIONS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND CONSTRUCTION MANAGER. FAILURE TO NOTIFY CONSTRUCTION MANAGER IN ADVANCE BEFORE CHANGES ARE MADE WILL RESULT IN CHANGES BEING DONE SOLELY AT CONTRACTOR'S EXPENSE.

1.14 CONTRACTOR MAY SUBSTITUTE AND INCLUDE IN HIS BID PRICE A MATERIAL OR PRODUCT OTHER THAN THOSE SPECIFIED BY NAME OR BRAND, PROVIDED THAT REQUESTS ARE SUBMITTED AND APPROVED IN WRITING BY THE ARCHITECT.

1.15 THE REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITIES FOR ERRORS, OMISSIONS OR DEVIATIONS FROM THE CONTRACT DOCUMENTS, UNLESS IN WRITING THEY ARE CALLED OUT AT THE TIME SUBMISSION AND WRITTEN ACCEPTANCE. THE CONTRACTOR IS RESPONSIBLE FOR DETAILS, SIZE OF THE MEMBERS, QUANTITIES, OMISSIONS OF COMPONENTS OR FITTINGS, AND FOR COORDINATING ITEMS WITH ACTUAL BUILDING CONDITIONS AND ADJACENT WORK. ERRORS AND OMISSIONS DISCOVERED AT A LATER TIME MUST BE FIXED BY THE CONTRACTOR SOLELY AT CONTRACTOR'S EXPENSE.

1.16 ALL SHOP DRAWINGS PREPARED BY THE MANUFACTURER MUST BE PRE-CHECKED BY THE CONTRACTOR. THE CONTRACTOR'S STAMP OF APPROVAL AND DATE MUST BE INCLUDED WITH A SPECIFICATION PARAGRAPH IN WHICH SUBMITTED AND THE PROJECT NAME. SUBMITTALS NOT CONTAINING THE ABOVE INFORMATION WILL BE RETURNED WITHOUT ACTION.

1.17 THE CONTRACTOR SHALL MAINTAIN ON SITE UP-TO-DATE COMPLETE "RECORD" SET OF PRINTS WHICH ARE CORRECTED DAILY WITH ALL CHANGES IN LAYOUT FROM THE ORIGINALDRAWINGS AND SPECIFICATIONS, INCLUDING MEP. CONTRACTOR SHALL DELIVER "RECORD" SET TO CONSTRUCTION MANAGER PRIOR TO FINAL PAYMENT.

1.18 IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE PROCUREMENT OF ALL REQUIRED AND NECESSARY PERMITS AND APPROVALS PRIOR TO THE COMMENCEMENT OF ANY WORK AND CERTIFICATE OF OCCUPANCY UPON COMPLETION OF PROJECT. CONTRACTOR IS RESPONSIBLE FOR THE FEES ASSOCIATED WITH PROCURING SUCH PERMITS AND SHALL FURNISH COPIES OF PERMITS, INSPECTIONS AND CERTIFICATES TO THE CONSTRUCTION MANAGER UPON REQUEST.

1.19 CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL TRADES EVEN IF THE TRADE IS UNDER A SEPARATE CONTRACT. CONTRACTOR SHALL SUBMIT A LIST OF EACH SUBCONTRACTOR'S NAME. CONTACT, ADDRESS AND TELEPHONE NUMBER TO THE CONSTRUCTION MANAGER PRIOR TO BEGINNING CONSTRUCTION.

1.20 PRIOR TO BEGINNING DEMOLITION AND/OR CONSTRUCTION, CONTRACTOR SHALL VERIFY THAT ALL EXISTING HORIZONTAL AND VERTICAL DIMENSIONS; INTERIOR, EXTERIOR AND DEMISING WALLS; STOREFRONTS, DOORS AND WINDOWS; STRUCTURAL COMPONENTS; FLOOR AND CEILING SYSTEMS; PLUMBING, ELECTRICAL FIXTURES, UTILITIES AND MECHANICAL SYSTEMS ARE AS INDICATED ON THE CONSTRUCTION DOCUMENTS, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN WRITING. ADDITIONAL WORK REQUIRED DUE TO DISCREPANCIES NOT REPORTED TO THE ARCHITECT SHALL BE PERFORMED AT CONTRACTOR'S EXPENSE.

1.21 EXTRA WORK OR CHANGES IN THE WORK NOT CALLED OUT FOR IN THE DRAWINGS OR SPECIFICATIONS SHALL BE PERFORMED ONLY WITH WRITTEN AUTHORIZATION FROM THE ARCHITECT AND THE CONSTRUCTION MANAGER.

1.22 CONTRACTOR SHALL MAKE EVERY EFFORT TO KEEP THE BUILDING AREAS CLEAN AND SAFE DURING CONSTRUCTION PERIOD. CONTRACTOR SHALL USE WALK-OFF MATS TO PROTECT FLOORING. CONTRACTOR AND ITS SUBCONTRACTORS SHALL PREVENT NOISE, DUST, SMOKE AND ODORS FROM INTERFERING WITH THE NORMAL OPERATIONS OF THE SHOPPING CENTER.

A. CONSTRUCTION DEBRIS WILL BE REMOVED FROM THE SITE PER THE SHOPPING CENTER GUIDELINES. THE SITE AREA SHALL BE KEPT CLEAN AND ORGANIZED AT ALL TIMES.
B. BEFORE ANY DEMOLITION AND/OR CONSTRUCTION WORK MAY BEGIN, THE CONTRACTOR MUST DETERMINE WHETHER SUCH WORK MAY TRIGGER THE FIRE ALARM SYSTEM. IT WILL BE NECESSARY FOR THE CONTRACTOR TO NOTIFY THE SHOPPING CENTER OFFICE SO THE SYSTEM CAN BE REMOVED AND RESTORED TO SERVICE UPON COMPLETION OF THE ACTIVITY.
C. CONTRACTOR WILL PLACE SMOKE DETECTOR DUST BAGS ON THE DETECTORS IN THE AREAS WHERE PRODUCTION OF DUST WILL OCCUR. THE DUST BAGS MUST BE REMOVED AT THE END OF EACH WORKING DAY. CONTRACTORS WILL NOTIFY THE SHOPPING CENTER OFFICE BEFORE PLACING AND REMOVING DUST BAGS TO PREVENT FALSE ALARMS.
D. ALL WALL, FLOOR OR CEILING PENETRATIONS SHALL BE SLEEVED AND ADEQUATELY SEED TO PREVENT THE SPREAD OF SMOKE AND FIRE PER APPLICABLE CODES. THE CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION WHEN WORK CANNOT BE COMPLETED IN ONE WORK SHIFT.
E. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE NUMBER OF FIRE EXTINGUISHERS IN THE WORK AREA THROUGHOUT THE CONSTRUCTION PERIOD.
F. THE CONTRACTOR SHALL NOTIFY THE LANDLORD 24 HOURS PRIOR TO ANY ELECTRICAL SHUTDOWNS WHICH MAY AFFECT EXISTING TENANTS.
G. THE CONTRACTOR IS RESPONSIBLE FOR SHUTTING OFF ALL LIGHTS IN THE CONSTRUCTION AREA UPON COMPLETION OF THE DAY'S ACTIVITIES.

1.23 THE CONTRACTOR SHALL ABIDE BY THE RULES AND REGULATIONS SET FORTH BY THE LANDLORD. THE CONTRACTOR SHALL NOTIFY THE LANDLORD PRIOR THE START OF WORK THAT MAY AFFECT ADJACENT BUILDING USERS, SUCH AS PAINTING, STAINING, OR FINISHING THAT MIGHT CREATE UNWELCOME ODOR OR NOISE IN THE BUILDING.

1.24 CLEANUP

A. PROJECT SITE SHALL BE SWEPT UP AND TRASH READY FOR REMOVAL ON A DAILY BASIS. CARE SHALL BE TAKEN TO KEEP ADJACENT OCCUPIED TENANT AREAS CLEAN WHERE WORK REQUIRED BY THIS PROJECT DISTURBS ADJACENT AREAS.
B. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF CONSTRUCTION DEBRIS. LOCATING OF LARGE DUMPSTERS FOR CONSTRUCTION USE MUST BE APPROVED AND PLACED AS DIRECTED BY THE SHOPPING CENTER COORDINATOR. THE CONTRACTOR WILL OBTAIN THEIR OWN PERMIT FOR THE DUMPSTER.
C. PRIOR TO OCCUPANCY, SPACE SHALL BE LEFT CLEAN OF ALL DEBRIS, WALLS, AND OTHER WIPED DOWN, GLASS WASHED, BLINDS DUSTED, FLOORS SWEPT AND/OR VACUUMED AND TILE CLEANED.

1.25 ALL PENETRATIONS THROUGH THE BUILDING FIRE RATED WALLS AND FIRE WALLS WILL BE SLEEVED AND FIRE CAULKED. REFER TO SECTION 7.1.

1.26 ALL GLASS WITHIN 12" OF DOORWAYS OR 18" OF WALKING SURFACES IS TO BE TEMPERED.

1.27 PROVIDE WOOD BLOCKING OR BACKING AT PARTITION WALLS AT ALL LOCATIONS WHERE WORK SURFACES, SHELVING BRACKETS, DISPLAYS, FIXTURES AND/OR EQUIPMENT WILL BE MOUNTED OR ATTACHED TO FACE OF WALL.

1.28 INSPECTION AND TESTS:

A. CALL FOR ALL INSPECTIONS AS REQUIRED BY LOCAL AUTHORITIES, ALLOWING A MINIMUM OF TWO (2) DAY NOTICE FOR INSPECTIONS TO BE MADE.
B. NOTIFY THE OWNER FOR INSPECTION ONE WEEK PRIOR TO THE INSTALLATION OF THE ITEMS SPECIFIED IN THE "INVITATION TO BID".
C. THE OWNER HAS THE RIGHT TO ORDER TESTS AND/OR LABORATORY EXAMINATION OF ANY MATERIAL OR WORK USED OR PERFORMED ON THE PROJECT SHOULD HE SUSPECT SUCH MATERIAL OR WORK TO BE OF LESSER QUALITY THAN SPECIFIED HEREIN. THE COSTS OF ALL SUCH TESTS WILL BE PAID BY THE OWNER UNLESS THEY INDICATE WORK OR MATERIALS TO BE OF LESSER QUALITY, IN WHICH CASE THE CONTRACTOR PAYS THE COSTS ALONG WITH ANY EXPENSES INCURRED IN CORRECTION OF THE WORK.

1.29 COMPLETED WORK:

1. DELIVER COMPLETED WORK AS CALLED FOR BY THE CONTRACT TO THE OWNER FREE FROM LIENS, CLAIMS OR ENCUMBRANCES OF ANY DESCRIPTION WHATSOEVER AGAINST THE OWNER. ACCEPTANCE OF SUCH WORK IS DEFINED AS APPROVAL OF FINAL PAYOUT.
2. CONTRACTOR SHALL ATTEND AND ASSIST THE OWNER/CM WITH THE COMPILATION AND DOCUMENTATION OF THE PUNCHLIST INSPECTION. THE CONTRACTOR SHALL COMPLETE ALL PUNCHLIST DISCREPANCY ITEMS WITHIN (7) CALENDAR DAYS OF THE PUNCHLIST INSPECTION. SUPERINTENDENT SHALL BE ONSITE UNTIL THE OWNER/CM HAS SIGNED THE PUNCHLIST THAT ALL ITEMS HAVE BEEN SATISFACTORILY COMPLETED.
3. IF OWNER RECEIVES "NOTICE OF CLAIM" TO BE FILED OR IF A CLAIM IS FILED AS A RESULT OF CONTRACTOR'S NON-PAYMENT, OWNER POSSESSES THE RIGHT UNDER THE CONSTRUCTION CONTRACT TO EITHER SETTLE THE CLAIM AND DEDUCT SAME FROM THE CONTRACT SUM OR TO REQUIRE THE CONTRACTOR TO BOND OVER SUCH SMALL CLAIMS, INCLUDING ANY ASSOCIATED EXPENSES AS DEFINED IN THE CONSTRUCTION CONTRACT AND TO PROMPTLY DEFEND TO CONCLUSION OWNER AND OWNER'S INTEREST AGAINST SAID CLAIM OF CLAIMS.
4. COMPLETION OF WORK ON THE PROJECT REQUIRES THE SUBMISSION BY THE CONTRACTOR OF CERTAIN DOCUMENTATION IN ORDER FOR THE FINAL RETENTION DRAW TO BE PAID TO THE CONTRACTOR. THE SUBMISSION OF THESE DOCUMENTS IS DEFINED IN THE CONSTRUCTION CONTRACT AND IS INCLUSIVE OF THE FOLLOWING ITEMS (3 SETS TO BE PROVIDED):
   1. RECORD DRAWINGS AND SPECIFICATIONS IN PDF FORMAT & HARD COPY,
   2. LIEN WAIVERS FROM CONTRACTOR AND SUBCONTRACTORS AND MATERIAL MEN,
   3. LIST OF ALL SUBCONTRACTORS AND MATERIAL MEN CONTRACTOR'S GUARANTEE AND COMPLETION AFFIDAVIT,
   4. FINAL SIGNED PUNCH LIST,
   5. ANY WORK ORDERS AND ASSOCIATED CONTRACT CHANGE ORDERS,
   6. CERTIFICATE OF OCCUPANCY AND ANY RELATED PUBLIC AGENCY,
   7. CERTIFICATION OF PROJECT COMPLETION,
   8. COPIES OF PROJECT INSPECTION REPORTS,
   9. PERMITTED SET OF DRAWINGS AND SPECIFICATION,
   10. ALL WARRANTIES,
   11. ALL CERTIFICATIONS NOTED IN THE DRAWINGS INCLUDING CIVIL DRAWINGS, THE BID DOCUMENTS AND CONSTRUCTION CONTRACT,
   12. AND ANY REQUIRED TEST AND/OR ENGINEERING REPORTS.

1.30 MAINTENANCE AND CLEANING:

A. THROUGHOUT THE PERIOD OF CONSTRUCTION, BE RESPONSIBLE FOR SATISFACTORILY MAINTAINING THE PREMISES IN A NEAT AND CLEAN CONDITION. THIS MEANS REMOVAL OF ALL REFUSE AND DEBRIS FROM THE PREMISES.
B. STORE ALL EQUIPMENT AND MATERIALS IN A NEAT MANNER AND PROTECT THEM FROM ANY DAMAGE FROM THE ELEMENTS. MAINTAIN BUILDING IN A GENERALLY CLEAN CONDITION DURING THE PERIOD OF CONSTRUCTION, AND UPON FINAL COMPLETION PROVIDE A PROFESSIONAL SERVICE TO THOROUGHLY CLEAN ALL GLASS, FLOORS, FURNITURE AND EQUIPMENT.

1.31 RECEIVING GUIDELINES:

A. THE FOLLOWING GUIDELINES ARE IN PLACE AT ALL OWNER JOB SITES AND ARE TO BE EMPLOYED BY ALL AGENTS ACTING ON OWNER'S BEHALF:
   1. CHECK THE PAPERWORK TO BE CERTAIN YOU ARE THE RECIPIENT. DO NOT SIGN FOR ANY FREIGHT DESIGNATED FOR ANOTHER CONSIGNEE. REFUSE DELIVERY AND CAUSE THE CARRIER TO CLARIFY THE DELIVERY ADDRESS WITH THE SHIPPER.
   2. MAKE A NOTATION OF ANY VISIBLE DAMAGE BEING AS SPECIFIC AS POSSIBLE. THE MORE DETAIL PROVIDED ON THE SHIPMENT'S CONDITION, THE BETTER. THIS WILL ALLOW FOR PROCESSING A DAMAGE CLAIM FOR EFFICIENTLY IF DAMAGE IS FOUND. ON PREPAID SHIPMENTS, IF DAMAGE TO THE CONTENTS IS OBVIOUS, THE SHIPMENT MAY BE REFUSED. THIS WILL LEAD THE CARRIER BACK TO THE SHIPPER FOR RESOLUTION. ON THIRD PARTY SHIPMENTS BILLED TO OWNER, DO NOT REFUSE DELIVERY. AS OWNER OWNS THE GOODS IN TRANSIT. OWNER OR ITS AGENTS WILL BE REQUIRED TO FILE A CLAIM.
   3. INSPECT THE PRODUCT(S) AS SOON AFTER RECEIPT AS POSSIBLE. CONCEALED DAMAGE CLAIMS MUST BE SUBMITTED WITHIN 14 DAYS OF RECEIPT TO HAVE ANY CHANCE OF RECOVERY. PRACTICALLY SPEAKING, ONCE YOU ASSUME POSSESSION, AT BEST THE DAMAGE LIABILITY IS SPLIT BETWEEN OWNER AND CARRIER. PLEASE UNDERSTAND THAT THE ABILITY TO PROVE THE DAMAGE OCCURRED IN THE CARE AND CUSTODY OF THE CARRIER DIMINISHES WITH EACH DAY THE DAMAGE GOES UNREPORTED.
   4. SIGN THE CARRIER'S PAPERWORK USING A FULL SIGNATURE, COMPLETE THE DATE AND INDICATE THE NUMBER OF PIECES RECEIVED. IT IS HELPFUL TO PRINT A LAST NAME FOR CLARITY. THESE ITEMS ARE IMPORTANT IN THE EVENT A PORTION OF THE SHIPMENT IS MISSING. THIS WILL ALLOW DETERMINATION OF WHO SIGNED FOR WHAT.

2.0 SITE WORK

2.1 CONSTRUCTION MANAGER TO PROVIDE EXTERNAL SIGNAGE AND INSTALLATION. SIGN SUBCONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ACTUAL SIZE AND CONSTRUCTION OF SIGN SO THAT IT MEETS ALL LANDLORD AND CITY REQUIREMENTS. SIGN SUBCONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND ZONING ISSUES AS REQUIRED. CONTRACTOR IS TO COORDINATE LOCATION OF POWER FOR SIGNAGE.

3.0 CONCRETE

3.1 ALL PATCHING OF CONCRETE SLAB AFTER TRENCHING IS TO BE DONE PER LANDLORD'S STANDARDS. CONTRACTOR TO VERIFY SPECIAL SLAB CONDITIONS SUCH AS REBAR PLACEMENT OR REINFORCEMENT PRIOR TO MAKING CUTS AND MAKE PROPER PREPARATION FOR NEW CONCRETE WORK.

3.2 IF FLOOR LEVELING OR PREPARATION IS REQUIRED TO MAKE FLOOR SURFACE READY FOR FINISH WORK, CONTRACTOR IS TO PREPARE FLOOR WORK AREA PER MANUFACTURERS REQUIREMENTS APPLY PRODUCT PER MANUFACTURER'S RECOMMENDATIONS.

5.0 METALS

5.1 ALL MISCELLANEOUS STEEL COMPONENTS REQUIRED TO COMPLETE INSTALLATION ARE TO MEET APPROPRIATE ASTM REQUIREMENTS. THIS INCLUDES FRAMING, SUPPORT MEMBERS, ANCHORS, BOLTS, SHIMS, FASTENERS, AND OTHER SUPPLEMENTARY PARTS.

5.2 CHANNEL STRUT SUPPORT TO BE 14 GA. MINIMUM AS MANUFACTURED BY UNISTRUT CORPORATION OR APPROVED EQUAL. INSTALL SYSTEMS AS FOLLOWED BY NOT LESS THAN THAT REQUIRED TO COMPLY WITH ASTM C754 BASED UPON ONE GYP. BD. LAYER EACH SIDE OF STUD, 16" O.C. STUD SPACING

5.3 IF REQUIRED IN DRAWINGS, HANDRAILS TO BE CONSTRUCTED PER ARCHITECTURAL DRAWINGS. RAIL-TO-END POST CONNECTIONS AND CHARGES IN A RAIL DIRECTION ARE TO BE FORMED BY MITERED JOINTS. ELBOW BENDS AND WALL RETURNS ARE TO BE FORMED TO A UNIFORM RADIUS, FREE FROM BUCKLES AND TWISTS WITH SMOOTH FINISHED SURFACES. ALL EXPOSED CONNECTIONS ARE TO BE FORMED WITH FLUSH, HAIRLINE, JOINTS, USING CONCEALED FASTENERS WHEREVER POSSIBLE. COPE INTERSECTIONS OF RAILS AND POSTS, WELD JOINTS, GRIND SMOOTH + BUTT WELD END-TO-END JOINTS OF RAILINGS EXCEPT WHERE SLEEVES INDICATED. CLOSE EXPOSED ENDS OF STEEL PIPE BY WELDING:\S=0,62>3# 16\s" THICK PLATE IN PLACE. PROVIDE PRESSURE RELIEF HOLES AT BOTTOM OF TUBES, NEAR CLOSED END OF PIPE. PROVIDED WALL MOUNTING BRACKETS SIZED FOR PIPE RAILINGS, WITH SPACES TO PREVENT CRUSHING OF GYPSUM BOARD. FINISH TO BE THERMAL-SETTING POWDER COATING. COLOR TO MATCH ARCHITECTS SETTING.

6.0 WOOD AND PLASTICS

6.1 ALL BLOCKING, NAILERS, PLYWOOD BACKING AND UNDERLAYMENT TO BE FIRE RETARDANT TREATED WITH A FLAME SPREAD RATING OF NOT MORE THAN 25 WHEN TESTED IN COMPLIANCE WITH ASTM E84 NFPA 225 OR UL 723. THIS TREATMENT SHALL BE CLASSIFIED FOR USE AS INTERIOR TYPE A + LOW HYPROSCOPIC IN COMPLIANCE WITH ASTM D3201.

6.2 ARCHITECTURAL MILLWORK PROVIDED AND INSTALLED BY CONTRACTOR OR AS SPECIFIED IN DRAWINGS. FIELD VERIFY ALL DIMENSIONS PRIOR TO BEGINNING FABRICATION OF ANY CASEWORK ITEMS. TEMPERED STAMP SHOULD BE VISIBLE IN TOP OR BOTTOM RIGHT CORNER OF ALL GLASS THAT IS REQUIRED TO BE TEMPERED BY CODE. FIELD INSTALL CABINETS PLUMB, LEVEL, STRAIGHT AND SQUARE. ALL COUNTER TOPS TO BE SCRIBED TO FIT WALL CONFIGURATION. APPLY SEALANT AND/OR FILL WALL AND/OR CEILING TO FILL IMPERFECTIONS.

6.3 ARCHITECTURAL FIXTURES ARE TO BE PROVIDED AND INSTALLED BY CONSTRUCTION MANAGER. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DELIVERY OF INSTALLATION ONLY. ALL FIXTURES TO BE INSTALLED PLUMB, LEVEL, STRAIGHT AND SQUARE.

6.4 PLYWOOD: PLYWOOD SHALL BE A-C GRADE WHERE IN CABINETRY, PAINT FINISH IS TO BE APPLIED; PLYWOOD IN STOCK ROOM SHALL BE C-D GRADE. PLYWOOD ON THE EXTERIOR OF THE STORE, EXPOSED TO THE ELEMENTS SHALL BE EXTERIOR GRADE. ALL EXPOSED EDGES HAVE A \S<1,100>1# 4\" THICK HARDWOOD EDGE BAND. ALL PARTICLE BOARD SHALL BE FIRE CODE AND STAMPED SUCH (UNLESS NOTED OTHERWISE).

6.5 PARTICLE BOARD: ALL PARTICLE BOARD SHALL BE HIGH DENSITY INDUSTRIAL GRADE. ALL EXPOSED EDGES IN CABINETRY SHALL HAVE A \S<1,100>14\4" THICK HARDWOOD EDGE BAND. ALL PLYWOOD SHALL BE FIRE CODE AND STAMPED SUCH.

6.6 PLASTIC LAMINATE: ALL LAMINATED PLASTIC SHALL BE \S<1,100>1#16\s" THICK. ALL PLYWOOD AND PARTICLE BOARD WHICH ARE TO HAVE LAMINATED PLASTIC FRONT SHALL HAVE A LAMINATED PLASTIC BALANCE SHEET ON BACK. ALL STOREFRONT LAMINATE SHALL BE SOLID COLOR. REF: MATERIALS SCHEDULE. NO SCREWS THROUGH PLASTIC FACES.

6.7 ALL WOOD TRIM, APRONS, CAPS, ETC., TO BE PREMIUM GRADE PAINT QUALITY WOOD.

7.0 THERMAL AND MOISTURE PROTECTION

7.1 FIRE STOP

A. THE CONTRACTOR IS TO PROVIDE FIRE STOPPING AT ANY PLUMBING OR ELECTRICAL CONDUIT PENETRATION OF A ONE-HOUR WALL ASSEMBLY EQUAL TO "METACAULK 950 FIRESTOPPING PENETRATION SEALANT" OR EQUAL, APPLIED IN ACCORDANCE WITH UL SYSTEM #442 AND ASTM E-814.
B. THE CONTRACTOR IS TO PROVIDE FIRE STOPPING AT ANY PLUMBING OR ELECTRICAL CONDUIT PENETRATION OF A TWO HOUR FLOOR ASSEMBLY EQUAL "METACAULK 950-10 FIRESTOPPING PENETRATION SEALANT" OR EQUAL, APPLIED IN ACCORDANCE WITH UL SYSTEM NUMBER 273 AND ASTM E-814.
C. ALL PENETRATIONS THROUGH THE BUILDING FLOORS, CORE WALLS AND FIRE WALLS WILL BE SLEEVED AND FIRE CAULKED.

7.2 CAULKING SHALL BE EQUAL TO PECORA ACRYLIC LATEX CAULK.

7.3 IF NOTED ON THE CONSTRUCTION DOCUMENTS PROVIDE SOUND INSTALLATION CAULKING AT TOP AND BOTTOM OF ALL DEMISING WALLS. CAULKING SHALL BE EQUAL TO PECORA BA-98, NONDRYING BUTYL RUBBER.

7.4 COORDINATE ALL BUILDING PENETRATIONS WITH THE LANDLORD TO MAINTAIN THE WATERTIGHT CONSTRUCTION AND BUILDING WARRANTIES.

8.0 DOORS AND WINDOWS

8.1 HOLLOW METAL DOOR FRAMES SHALL BE AS NOTED ON THE CONSTRUCTION DOCUMENTS. 16-GAUGE KNOCKDOWN TYPE, MITERED CORNERS SHALL BE REINFORCED INTEGRAL TABS FOR SECURE INTERLOCKING OF JAMB TO HEAD. STRIKE JAMB TO HAVE 3 RUBBER MUTES. FACTORY INSTALLED. UL RATED AS SCHEDULED. ALL FRAMES AND ASSEMBLES TO CONFORM TO APPLICABLE CODES, AND BE PROPERLY LABELED AS REQUIRED BY THE CODE.

8.2 DOORS AND FRAMES SHALL BE PRE-MACHINED FOR HARDWARE.

8.3 INSTALLATION OF FIRE RATED FRAMES SHALL COMPLY WITH NFPA 80.

8.4 PROVIDE HARDWARE AS INDICATED IN THE DOOR SCHEDULE. ALL LOCK WORK TO BE CONTRACTED THROUGH BUILDING OWNER'S SELECTED LOCKSMITH AND COINCIDE WITH BUILDING SYSTEMS.

8.5 HARDWARE SCHEDULE: REFER TO DOOR SCHEDULE.

8.6 ADDITIONAL REQUIREMENTS FOR FIRE RATED DOORS: CLOSURES TO BE PROVIDED ON ALL FIRE-RATED DOORS. PROVIDE CLOSURE, DOOR SWEEP, AND ALL REQUIRED GASKETS. PROVIDE LEVER LOCK SET TO MATCH HARDWARE SPECIFICATIONS. ALL PER HARDWARE SCHEDULE.

8.7 FLOOR STOPS:
WALL STOPS TO BE PROVIDED EQUAL TO IVES #402. WHEN A WALL STOP IS NOT POSSIBLE, PROVIDE FLOOR STOPS EQUAL TO IVES #438. (BRUSHED STAINLESS STEEL FINISH).

8.8 STANDARD TENANT INTERIOR DOORS:
PER DOOR SCHEDULE, 3'-0"W x 7'-0"H (UNLESS NOTED). FACE ASSEMBLY SHALL BE ATTACHED WITH TYPE II, WATER RESISTANT ADHESIVE, FOR INTERIOR DOORS. PROVIDE 5" LOCK BLOCK FOR LOCKSET/LATCHSET HARDWARE. STANDARDS: AWI, TYPE PC AND NWMA-IF-7, IS-1-78 SERIES. FINISH VENEER SHALL BE READY FOR PRIMER AND PAINT. DOORS SHALL BE 1-3/4" THICK WITH SOLID WOOD EDGES. UL RATED AS SCHEDULED VERIFY ALL SIZES PRIOR TO ORDERING.

8.9 ALL DOORS AND ASSEMBLIES TO CONFORM TO APPLICABLE CODES AND SHALL BEAR THE APPROPRIATE LABELING AS CALLED OUT ON THE DRAWINGS.

8.10 ALL DOORS SHALL BE UNDERCUT AS REQUIRED BY DIFFERENT FLOORING CONDITIONS DESCRIBED IN DRAWINGS AND MECHANICAL SHEETS.

8.11 WHERE NOTED SUBCONTRACTOR SHALL REFURNISH ALL LABOR AND MATERIALS NECESSARY TO COMPLETE GLASS AND GLAZING INDICATED. ALL GLASS SHALL CONFORM TO THE APPLICABLE CODES AND ORDINANCES.

8.12 STOREFRONT GLAZING:

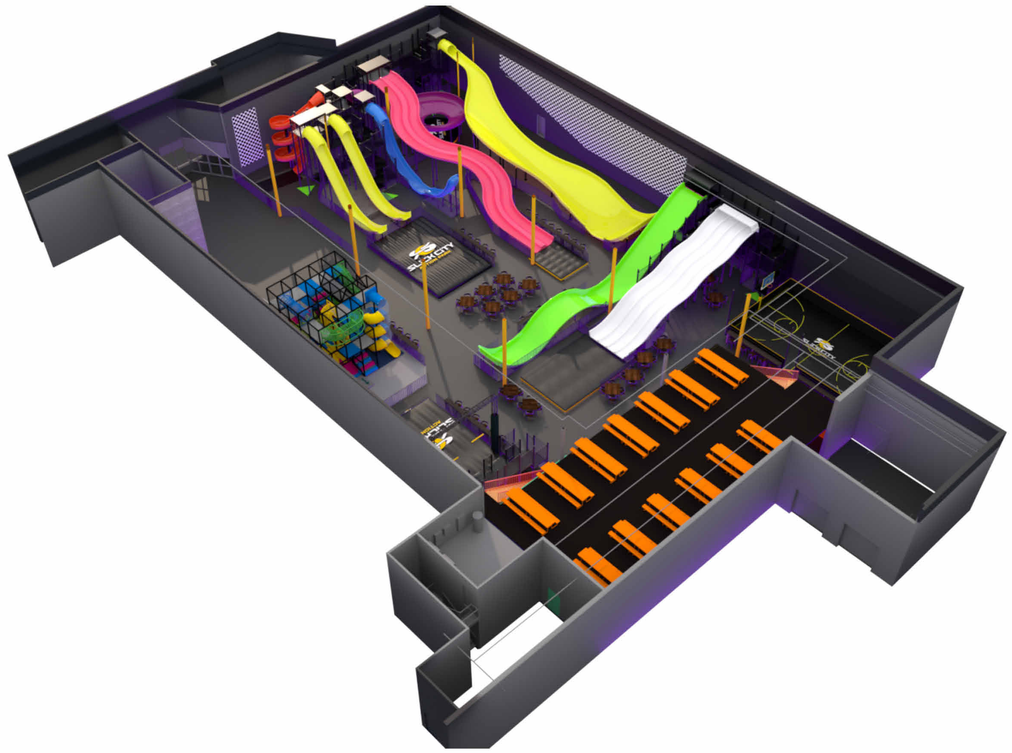
1. ALUMINUM STOREFRONT SECTIONS SHALL BE EFCO, KAWNEER, PITTCO, MAYLITE, OR APPROVED EQUAL. FINISH ON ALL ALUMINUM MEMBERS SHALL BE PER BUILDING STANDARD, OR AS SPECIFIED ON PLANS. GLAZING FOR STOREFRONT SHALL BE THERMALPANE TYPE WITH 1/2" AIR SPACE; SAFETY GLASS OR 1/4" TEMPERED GLASS WILL BE USED FOR THE EXTERNAL PANES.
2. ALUMINUM SWITCHING STOREFRONT DOORS PER DOOR SCHEDULE. TEMPERED STAMP SHOULD BE VISIBLE IN TOP OR BOTTOM RIGHT CORNER OF ALL GLASS THAT IS REQUIRED TO BE TEMPERED BY CODE.

9.0 FINISHES

9.1 METAL STUD FRAMING SYSTEMS FOR INTERIOR GYPSUM BOARD PARTITIONS SHALL CONFORM TO ASTM C754. INSTALL SYSTEMS AS FOLLOWED BY NOT LESS THAN THAT REQUIRED TO COMPLY WITH ASTM C754 BASED UPON ONE GYP. BD. LAYER EACH SIDE OF STUD, 16" O.C. STUD SPACING

9.2 FINISHED WALLS SHALL BE SMOOTH AND PROJECT NO IMPERFECTIONS; THEY SHALL BE PLUMB AND STRAIGHT AND SHOW NO BULGE OR DIVOTS AT JOINTS. ALL STANDING SHALL BE DONE WITH A METAL SCREEN.

9.3 GYPSUM BOARD TO BE 5/8" TYPE 'X' GYPSUM BOARD AS PROVIDED BY U.S. GYPSUM OR APPROVED EQUAL. STAGGER ALL PANEL JOINTS, BACK ALL PENETRATIONS AND SEAL ALL JOINTS. ALL EXPOSED EDGES OF GYPSUM BOARD TO BE COVERED BY A STOCK METAL EDGE TRIM SIMILAR TO #401 METAL TRIM BY U.S. GYPSUM. ALL



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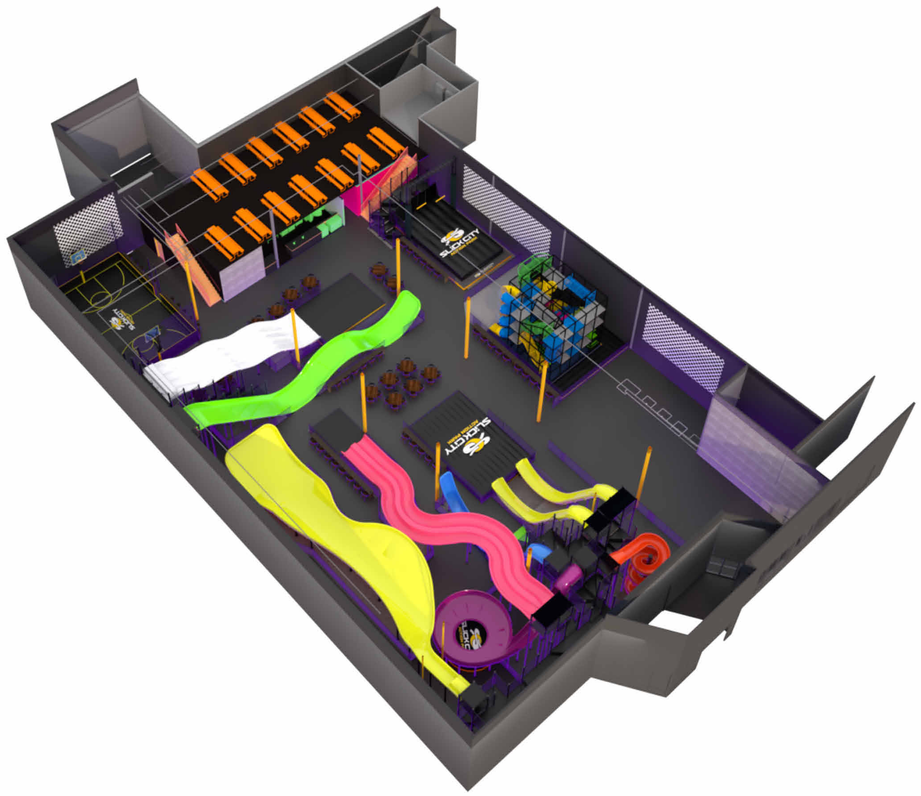

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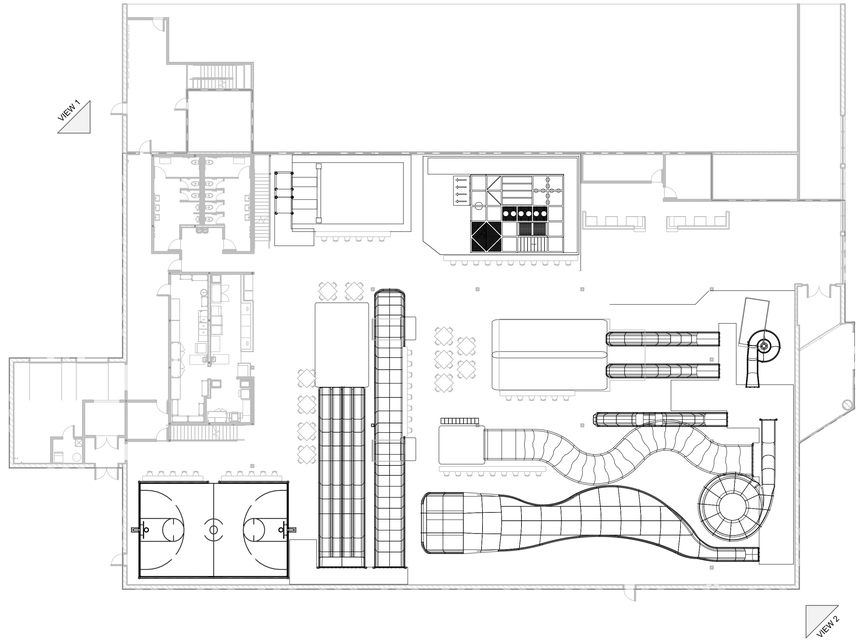
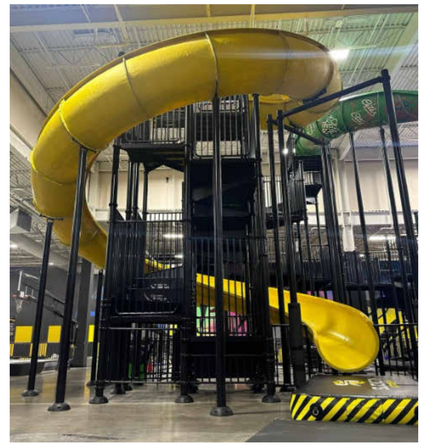


KEY PLAN



NOTES

1. SLIDE MATERIALS TO THESE APPROVALS & SPECIFICATIONS:
   - ASTM D5319
   - FLAMMABILITY CLASSIFICATION: CLASS C - FLAME SPREAD INDEX 76-200, SMOKE DEVELOPMENT INDEX OF 450 OR LESS
   - MANUFACUTURED IN AN ISO 9001 CERTIFIED PLANT
   - MEETS MINIMUM REQUIREMENTS OF MAJOR MODEL BUILDING CODES FOR CLASS C INTERIOR WALL & CEILING FINISHES OF FLAME SPREAD GREATER THAN OR EQUAL TO 200, SMOKE DEVELOPED INDEX 450 OR LESS (PER ASTM E84)
   - MOLD & MILDEW RESISTANT PER ASTM D3273 & D3274 TEST.
2. MODULAR TOWER SYSTEM IS COMPOSED OF NON-COMBUSTABLE POWDER COATED STEEL - ADHERES TO THE STRICTECT ASTM STANDARDS CAN ACCOMODATE VARIOUS ATTRACTIONS (SLIDES, ZIP-LINES, TRAPEZE, ETC.)
3. THE EXISTING TENANT SPACE CONTAINS: EXISTING AUTOMATIC FIRE SPRINKLER PROTECTION, EXISTING AUTOMATIC SMOKE DETECTION, EXISTING EMERGENCY VOICE / ALARM COMMUNICATION SYSTEM, MATERIAL REQUIREMENTS FOR PLAY STRUCTURES & CLASS A INTERIOR FINISHES.
4. REQUIRED TOWER GUARDS TO NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 4 INCHES IN DIAMETER FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT. THE OPENINGS ARE TYPICALLY 3 1/4 INCHES.
5. TOWER GUARDS SHALL BE LOCATED ALONG OPEN-SIDED WALKING SURFACES, INCLUDING MEZZANINES, EQUIPMENT PLATFORMS, AISLES, STAIRS, RAMPS & LANDINGS THAT ARE LOCATED MORE THAT 30 INCHES MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW. **AT ANY POINT WITHIN 36 INCHES** HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. GUARDS SHALL BE ADEQUATE IN STRENGTH & ATTACHMENT IN ACCORDANCE WITH IBC SECTION 1607.8.

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

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STATE OF OKLAHOMA
KEVIN HENRICKSEN
No. 24742
DALLAS, TEXAS
LICENSED ARCHITECT

06/22/26

REMODEL

PROJECT NAME

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
3D VIEWS

SHEET NUMBER
G004

MECHANICAL ABBREVIATIONS:

AC	AIR CONDITIONER
ACH	AIR CHANGES PER HOUR
AF	AIR FILTER
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
BAS	BUILDING AUTOMATION SYSTEM
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU(S) PER HOUR
CC	COOLING COIL
CF	CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CO	CLEANOUT
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT AIR VOLUME
DAT	DISCHARGE AIR TEMPERATURE
DB	DECIBEL OR DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DH	DUCT HEATER
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
FA	FREE AREA
FC	FAN COIL
FD	FIRE DAMPER
FH	FUME HOOD
FPB	FAN POWERED BOX
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FREEZE STAT
FSD	COMBINATION FIRE/SMOKE DAMPER
GA	GAUGE
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HUMIDISTAT
HC	HEATING COIL
HD	HOOD OR HEAT DETECTOR
HEPA	HIGH EFFICIENCY PARTICULATE AIR FILTER
HP	HORSEPOWER OR HEAT PUMP
HR	HOUR
HUM	HUMIDIFIER
HX	HEAT EXCHANGER
HZ	HERTZ
IN W.C.	INCHES WATER COLUMN
IN W.G.	INCHES WATER GAUGE
KW	KILOWATT
KWH	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTUH
NC	NORMALLY CLOSED
NK	NECK
NO	NORMALLY OPEN
P	PUMP
PA	PASCAL
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RO	RELIEF OPENING
RPM	REVOLUTIONS PER MINUTE
SAT	SUPPLY AIR TEMPERATURE
SD	SMOKE DAMPER OR SMOKE DETECTOR
SF	SQUARE FEET OR SUPPLY FAN
SPS	STATIC PRESSURE SENSOR
T	THERMOSTAT
TD	TEMPERATURE DIFFERENCE
TO	TRANSFER OPENING
UC	UNDERCUT (DOOR)
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF
W	WATT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP

GENERAL ABBREVIATIONS:

A/E	ARCHITECT/ENGINEER
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
ARCH	ARCHITECT
BFG	BELOW FINAL GRADE
BLDG	BUILDING
CLG	CEILING
DIR	DIRECT
DISC	DISCONNECT
DN	DOWN
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION REFERENCE
EM	EMERGENCY
EP	EXPLOSION PROOF
EWC	ELECTRIC WATER COOLER
F	FLUSH
FBO	FURNISHED BY OTHERS
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLR	FLOOR
FS	FLOW SWITCH
GC	GENERAL CONTRACTOR
GRD	GROUND
GYP	GYPSUM BOARD
HC	HEATING CONTRACTOR
HVAC	HEATING & VENTILATING - AIR CONDITIONING
HVC	HEATING VENTILATING CONTRACTOR
HW	HEAVYWALL
ID	INDIRECT
IL	INTERLOCK
IU	IN UNIT
J-BOX	JUNCTION BOX
LG	LAY-IN GRID
LTG	LIGHTING
LV	LOW VOLTAGE
LVT	LINE VOLTAGE THERMOSTAT
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PLBG	PLUMBING CONTRACTOR
RM	ROOM
SURF	SURFACE
TS	TAMPER SWITCH
TYP	TYPICAL
UG	UNDERGROUND
VC	VENTILATION CONTRACTOR

HYDRONIC FITTINGS:

45° ELBOW

CAP

90° ELBOW

ELBOW DOWN

ELBOW UP

TEE

TEE DOWN

TEE UP

UNION

FLEXIBLE CONNECTION

PIPE CONTINUATION

FLANGE

HYDRONIC SYSTEM ABBREVIATIONS:

	PIPE TO BE DEMOLISHED
D	DRAIN
NG	NATURAL GAS
LP	LIQUEFIED PETROLEUM
V	VENT
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CD	CONDENSATE DRAIN
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
MU	MAKEUP WATER
HPWS	HEAT PUMP WATER SUPPLY
HPWR	HEAT PUMP WATER RETURN
GWS	GEOTHERMAL WATER SUPPLY
GWR	GEOTHERMAL WATER RETURN
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
HPS	HIGH PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
LPS	LOW PRESSURE STEAM
HPC	HIGH PRESSURE STEAM CONDENSATE
MPC	MEDIUM PRESSURE STEAM CONDENSATE
LPC	LOW PRESSURE STEAM CONDENSATE
CR	CONDENSATE RETURN
PC	PUMPED CONDENSATE
VPD	VACUUM PUMP DISCHARGE
BBD	BOILER BLOWDOWN
FWS	BOILER FEEDWATER SUPPLY
H	HUMIDIFICATION LINE
FOF	FUEL OIL FILL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
A	COMPRESSED AIR
VAC	VACUUM AIR

HYDRONIC VALVES:

TWO-POSITION 2-WAY VALVE

MODULATING 2-WAY VALVE

TWO-POSITION 3-WAY VALVE

MODULATING 3-WAY VALVE

BALANCING VALVE

BALL VALVE

BUTTERFLY VALVE

CHECK VALVE

DIFFERENTIAL PRESSURE VALVE

FLOAT OPERATED VALVE

GATE VALVE

GLOBE VALVE

PLUG VALVE

PRESSURE INDEPENDENT VALVE

PRESSURE REDUCING VALVE

PRESSURE RELIEF VALVE

TRIPLE DUTY VALVE

BACKFLOW PREVENTER

HYDRONIC SPECIALTIES:

FLOW SWITCH

AUTOMATIC AIR VENT

MANUAL AIR VENT

PRESSURE GAUGE

PRESSURE SWITCH

PUMP SUCTION DIFFUSER

THERMOMETER

STRAINER, BLOW DOWN

STRAINER, HOSE CONNECTION

STRAINER

ANCHOR

PIPING GUIDE

EXPANSION LOOP

EXPANSION JOINT

FLOW METER

DUCT SYSTEM ABBREVIATIONS:

CA	COMBUSTION AIR
CV	COMBUSTION VENT
EA-AII	EXHAUST AIR - AIRBORNE INFECTIOUS ISOLATION
EA-CH	EXHAUST AIR - CHEMICAL
EA-D	EXHAUST AIR - DRYER
EA	EXHAUST AIR - ENVIRONMENTAL
EA-K1	TYPE 1 - KITCHEN EXHAUST
EA-K2	TYPE 2 - KITCHEN EXHAUST
OA	OUTDOOR AIR
RA	RETURN AIR
SA	SUPPLY AIR

DUCT SYSTEMS:

BACKDRAFT DAMPER

FIRE DAMPER

SMOKE DAMPER

COMBINATION FIRE SMOKE DAMPER

MOTORIZED DAMPER

VOLUME DAMPER

SIDEWALL GRILLE

CEILING DIFFUSER, SUPPLY 4-WAY BLOW PATTERN

CEILING DIFFUSER, SUPPLY 3-WAY BLOW PATTERN

CEILING DIFFUSER, SUPPLY 2-WAY BLOW PATTERN

CEILING DIFFUSER, SUPPLY 1-WAY BLOW PATTERN

CEILING DIFFUSER, RETURN

CEILING DIFFUSER, EXHAUST

DOOR UNDERCUT

DUCT SECTION, SUPPLY

DUCT SECTION, RETURN

DUCT SECTION, EXHAUST

FLEXIBLE DUCT

DIRECTION OF AIR FLOW

DUCT SIZE TRANSITION

RECTANGULAR ELBOW DOWN - SINGLE LINE

ROUND ELBOW DOWN - SINGLE LINE

RECTANGULAR ELBOW UP - SUPPLY

RECTANGULAR ELBOW DOWN - SUPPLY

ROUND ELBOW UP - SUPPLY

ROUND ELBOW DOWN - SUPPLY

RECTANGULAR ELBOW UP - RETURN

RECTANGULAR ELBOW DOWN - RETURN

ROUND ELBOW UP - RETURN

ROUND ELBOW DOWN - RETURN

RECTANGULAR ELBOW UP - EXHAUST

RECTANGULAR ELBOW DOWN - EXHAUST

ROUND ELBOW UP - EXHAUST

ROUND ELBOW DOWN - EXHAUST

MITERED ELBOW

MITERED ELBOW WITH TURNING VANES

ACCESS DOOR - TOP/SIDE

AIR FLOW MEASURING STATION

SOUND ATTENUATOR

FLEXIBLE CONNECTION

HVAC SENSORS:

CARBON DIOXIDE

CARBON MONOXIDE

DEWPOINT

GAS

HUMIDITY

NITROGEN OXIDE

RELATIVE PRESSURE MONITOR

REFRIGERANT MONITOR

SMOKE DETECTOR

STATIC PRESSURE

THERMOSTAT

TEMPERATURE

MECHANICAL EQUIPMENT:

PLAN	SYMBOL	
		AIR SEPARATOR
		BASKET STRAINER
		EXPANSION TANK, FREE STANDING
		EXPANSION TANK, HANGING
		SIDE STREAM FILTER
		LOUVER
		HEAT EXCHANGER, PLATE AND FRAME
		HEAT EXCHANGER, SHELL AND TUBE
	T	STEAM TRAP
	VFD	VARIABLE FREQUENCY DRIVE
	CB	CONTROL BOX
	M	ENERGY METER
	M	NATURAL GAS METER
		PUMP (SEE SCHEDULE FOR TYPE)
		VARIABLE AIR VOLUME BOX
		VAV BOX WITH ELECTRIC REHEAT
		VAV BOX WITH HYDRONIC REHEAT
		ROUND IN / ROUND OUT VAV BOX
		FAN POWERED BOX

MECHANICAL TAGS:

VISIBLE DIMENSION

x ## XX — DUCT DIMENSIONS (CLEAR, INTERNAL)

SYSTEM ABBREVIATION

TYPE:
S - SUPPLY
R - RETURN
E - EXHAUST
T - TRANSFER

SIZE (OPTIONAL)

X# (# x #) / ### — DIFFUSER TAG

AIR FLOW RATE

MARK / X / NUMBER — MECHANICAL EQUIPMENT TAG

RISER / X / NUMBER — RISER TAG

PIPE SIZE

##" XX — PIPE DIMENSION TAG

SYSTEM ABBREVIATION

POINT OF NEW CONNECTION

POINT OF DISCONNECTION

GENERAL:

— REFERENCE NOTE SYMBOL

DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION

DETAIL NUMBER / SHEET NUMBER — BUILDING ELEVATION

DETAIL NUMBER / SHEET NUMBER — CALLOUT BOUNDARY

DETAIL NUMBER / --- / SHEET NUMBER — VIEW REFERENCE CALLOUT

•X' - X" — MOUNTING HEIGHT DESIGNATION

RENOVATION LEGEND:

<E>	EXISTING TO REMAIN
<EC>	EXISTING DEVICE TO REMAIN, NEW CIRCUIT AS INDICATED
<ED>	EXISTING LOCATION, NEW DEVICE OR EQUIPMENT TO BE INSTALLED IN PLACE
<EL>	EXISTING LIGHT FIXTURE TO REMAIN, NEW LAMPING AS INDICATED
<ER>	EXISTING TO BE RELOCATED
<EO>	EXISTING TO BE REMOVED
<EN>	EXISTING IN NEW LOCATION
<N>	NEW
<RAI>	REMAIN AS IS

GENERAL NOTES

1. THESE PLANS ARE DIAGRAMMATIC IN NATURE SINCE THEY REFLECT ONLY THE AVAILABLE INFORMATION OBTAINED FROM EXISTING PLANS, SPECIFICATIONS, AND FIELD SURVEYS. THE EXACT LOCATION OF EXISTING DUCTWORK, PIPING, AND EQUIPMENT MAY DEVIATE FROM THE LOCATION INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE PREPARED TO MAKE SOME ALTERATIONS TO NEW AND/OR EXISTING SERVICES TO FIT ACTUAL JOB CONDITIONS.
2. THE SPACE ALLOWED FOR MECHANICAL (HVAC, PLUMBING, FIRE PROTECTION) AND ELECTRICAL WORK ABOVE THE SUSPENDED CEILING IS CRITICAL AND REQUIRES COORDINATION BETWEEN TRADES. CONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS PRIOR TO FABRICATION OR INSTALLATION OF ANY MATERIALS. DUCTWORK SHALL BE HUNG AS CLOSE AS POSSIBLE TO THE STRUCTURE ABOVE UNLESS INDICATED OTHERWISE. REWORK OF PIPING, DUCTWORK, EQUIPMENT LOCATION, CONDUIT, ETC. AS A RESULT OF POOR PLANNING, COORDINATION, OR SCHEDULING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ANY HOLES LEFT IN EXISTING WALL CONSTRUCTION DUE TO DEMOLITION OR NEW WORK SHALL BE PATCHED TO MATCH EXISTING CONDITIONS.
4. PIPES/DUCTS/ETC. PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE SEALED WEATHER PROOF.
5. CONTRACTOR TO FIRESTOP ALL PENETRATIONS THROUGH FIRE-RATED FLOORS AND WALLS CREATED BY DEMOLITION OR NEW WORK WITH "SPECSEAL SSS" OR EQUAL.
6. PROVIDE OPENING IN DRY WALL ABOVE CEILING TO ALLOW SUPPLY AIR TO RETURN TO HEAT PUMPS OR AIR HANDLERS.
7. REFRIGERANT PIPING TO BE SIZED BY EQUIPMENT MANUFACTURER AND INSTALLED PER THE MANUFACTURER'S INSTALLER'S GUIDE. CONTRACTOR TO SUBMIT DRAWINGS SHOWING ROUTING. SEE SPECIFICATIONS.
8. THERMOSTATS & ROOM TEMPERATURE SENSORS SHALL BE MOUNTED AT 48" A.F.F. TO THE TOP OF THERMOSTAT UNLESS NOTED OTHERWISE. DO NOT MOUNT IN DIRECT SUNLIGHT OR NEAR HEAT PRODUCING EQUIPMENT.
9. INSTALL H.V.A.C. SYSTEM IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ANY FRAMING REVISIONS, EQUIPMENT LOCATIONS, ADDITION OF CONTROLS, ELECTRICAL CIRCUITING REVISIONS, ETC. THAT RESULT FROM USING EQUIPMENT OTHER THAN INDICATED ON THE DRAWINGS. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER WILL NOT WAIVE THE CONTRACTOR OF THIS RESPONSIBILITY.
11. THE CONTRACTOR SHALL HAVE THE FINAL RESPONSIBILITY FOR SYSTEM START UP AND TURN OVER TO THE OWNER.
12. ALL ITEMS INCLUDED ON THESE DRAWINGS AND THE SPECIFICATIONS SHALL BE INCLUDED IN THE CONTRACTOR'S BID. IF THE CONTRACTOR DOES NOT CLEARLY UNDERSTAND THESE PLANS OR IS NOT SURE OF THEIR MEANING, THE CONTRACTOR SHOULD OBTAIN THE ENGINEER'S WRITTEN EXPLANATION AND INTERPRETATION PRIOR TO BID TIME. THE CONTRACTOR WILL BE HELD TO THE INTERPRETATION OF THE ENGINEER.
13. FIRE CAULK ALL PENETRATIONS THRU FIRE RATED PARTITIONS TO MAINTAIN FIRE RATING OF PARTITION.
14. CAULK ALL PENETRATIONS THRU WALLS TO MINIMIZE SOUND PENETRATION THRU WALLS.
15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL TEMPERATURE CONTROL SYSTEM REQUIREMENTS.
16. ROUTE LINE SIZE PVC CONDENSATE DRAIN PIPING FROM AIR HANDLING UNIT TO NEAREST FLOOR DRAIN. PROVIDE TRAP AT CONNECTION TO AIR HANDLING UNIT.
17. ANY DAMAGE TO THE SITE (SIDEWALKS, CURBS, ETC) OR TO THE BUILDING AS A RESULT OF WORK PERFORMED UNDER THIS CONTRACT SHALL BE FIXED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
18. CONTRACTOR WILL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF ROOFS/WALLS/FLOORS AND CORE DRILLS REQUIRED TO COMPLETE THEIR RESPECTIVE WORK.
19. THE OWNER SHALL HAVE FIRST SALVAGE RIGHTS OF EQUIPMENT AND MATERIALS REMOVED. ALL EQUIPMENT AND MATERIALS NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE PREMISES BY THE CONTRACTORS.
20. REMOVE AND DISPOSE OF REFRIGERANT IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY FENCING AROUND THE LIFT SITE DURING LIFTS.
22. OWNER SHALL BE RESPONSIBLE FOR REMOVING ALL ASBESTOS-CONTAINING MATERIAL ASSOCIATED WITH THIS PROJECT.
23. PROVIDE FLEXIBLE CONNECTIONS ON ALL PIPING PENETRATIONS AT BACK TO BACK 2 HOUR RATED FIRE WALLS TO ALLOW FOR EXPANSION BETWEEN THE WALLS.
24. ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, ETC. THAT SERVES SPACES ON OTHER FLOORS SHALL REMAIN AS IS. DO NOT DISCONNECT OR REMOVE ANY EQUIPMENT NOT SHOWN IN THESE PLANS.
25. REMOVE AND RE-INSTALL EXISTING LAY-IN CEILING AS REQUIRED TO COMPLETE ALL DEMOLITION AND NEW WORK. REPLACE CEILING TILES DAMAGED DURING CONSTRUCTION WITH NEW TILES MATCHING EXISTING.

GENERAL NOTES (AIR SIDE)

1. NOTE, ALL DUCTWORK OFFSETS ARE NOT SHOWN. THE CONTRACTOR SHALL MODIFY DUCTS AND OFFSETS TO COORDINATE WITH THE BUILDING STRUCTURE AND ALL TRADE REQUIREMENTS.
2. ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED PER THE LATEST VERSION OF THE S.M.A.C.N.A. H.V.A.C. DUCT CONSTRUCTION STANDARDS. UNLESS SPECIFIED MORE STRINGENTLY IN THESE CONSTRUCTION DOCUMENTS. MINIMUM DUCT GAUGE SHALL BE 24.
3. 90° DUCT ELBOWS SHALL BE EQUIPPED WITH SINGLE THICKNESS TURNING VANES MOUNTED TO A PREFABRICATED VANE RAIL.
4. ALL ELBOWS SHALL BE SUPPLIED WITH TURNING VANES, WHETHER SHOWN ON DOCUMENTS OR NOT.
5. ALL 90° AND 45° RECTANGULAR RADIUS ELBOWS TO BE FABRICATED WITH AN INSIDE RADIUS NO LESS THAN 1/2 OF THE WIDTH OF THE DUCT - WHERE THE WIDTH OF THE DUCT IS DEFINED AS THE DIMENSION OF THE DUCT IN THE PLANE IN WHICH THE DUCT IS TURNING.
6. RECTANGULAR DUCTWORK SHALL BE SUPPORTED PER THE S.M.A.C.N.A STANDARDS AND AT EACH CHANGE IN DIRECTION.
7. PROVIDE MANUAL, SINGLE BLADE, BALANCING DAMPERS WITH LOCKING QUADRANT AND INTEGRAL POSITION INDICATOR ON ALL RUNOUTS TO SUPPLY AND EXHAUST AIR DEVICES - EXCEPT THOSE LOCATED IN AREAS WITH PLASTER CEILINGS AND ARE NOT ACCESSIBLE (DAMPER SHALL BE INTEGRAL WITH THE AIR DEVICE IN THESE CASES.)
8. PROVIDE MANUAL OPPOSED BLADE DAMPERS WITH LOCKING QUADRANT AND INTEGRAL POSITION INDICATOR ON ALL RECTANGULAR BRANCH DUCTS AND AIR DEVICE RUNOUTS THAT EXCEED 12" IN HEIGHT.
9. MANUAL SPLITTER DAMPERS ARE NOT ACCEPTABLE.
10. NOT ALL OF THE ACCESS DOORS IN THE DUCT SYSTEMS OR PLENUMS ARE SHOWN. PROVIDE ACCESS DOORS IN ALL DUCT SYSTEMS OR PLENUMS WHERE REQUIRED TO ACCESS AND MAINTAIN MOTORIZED OR AUTOMATIC DAMPER BLADES AND LINKAGES.
11. ALL DUCTWORK SHALL BE SUPPORTED FROM ROOF OR FLOOR STRUCTURE ABOVE. DUCTWORK SHALL NOT LAY ON TOP OF CEILING OR LIGHT FIXTURES.
12. FLEXIBLE DUCT RUNOUTS TO AIR DEVICES SHALL NOT EXCEED 5'-0" IN LENGTH. FLEXIBLE RUNOUTS SHALL BE TRIMMED TO THE MINIMUM LENGTH NECESSARY TO MAKE THE CONNECTION.
13. WHERE DAMPER ACTUATORS ARE MOUNTED TO DUCTWORK OR PLENUMS PROVIDE A HEAVY GAGE BASE PLATE, ANGLE STIFFENERS, OR MOUNTING AS REQUIRED TO ELIMINATE DEFLECTION OF DUCTWORK DURING ACTUATOR OPERATION.
14. FLEXIBLE DUCT CONNECTIONS TO EQUIPMENT ARE NOT SHOWN ON THE DRAWINGS. PROVIDE EXTRA WIDE FLEXIBLE CONNECTIONS ON THE SUPPLY DUCT AND THE RETURN DUCT OF EACH MAKE-UP AIR UNIT, ROOFTOP UNIT, AND EACH AIR HANDLING UNIT. PROVIDE STANDARD FLEXIBLE CONNECTIONS ON ALL BLOWER COILS, EXHAUST FANS, SUPPLY FANS, AND DUST COLLECTOR.
15. PROVIDE 45° FLARED TAKEOFFS FOR ALL RECTANGULAR BRANCH CONNECTIONS TO THE MAIN DUCT.
16. ALL DAMPER ACTUATORS FOR DUCT SYSTEMS OR EQUIPMENT THAT COMMUNICATES DIRECTLY WITH THE OUTDOORS SHALL BE SPRING RETURN TYPE TO CLOSE IN THE EVENT OF A POWER FAILURE.
17. PROVIDE 1-1/2 HOUR RATED FIRE DAMPERS IN THE DUCTWORK WHERE INDICATED ON THE PLANS AND REQUIRED BY CODE. FIRE DAMPERS SHALL BE PROVIDED WITH AN ACCESS PANEL LARGE ENOUGH TO PERMIT INSPECTION AND MAINTENANCE OF THE DAMPER. ACCESS PANELS TO FIRE DAMPERS SHALL BE PERMANENTLY IDENTIFIED ON THE EXTERIOR BY A NAMEPLATE WITH THE WORDS "FIRE DAMPER". THE LETTERS ON THE FIRE DAMPER LABELS SHALL NOT BE LESS THAN 1/2 INCH IN HEIGHT.
18. THE SPACE ABOVE THE SUSPENDED CEILINGS SHALL BE USED AS A RETURN AIR PLENUM. IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE THE WORK OF OTHER TRADES TO PROVIDE ADEQUATE SPACE FOR THE FLOW OF RETURN AIR (250 FPM MAXIMUM VELOCITY). WHERE PARTITIONS EXTEND TO THE CONSTRUCTION ABOVE, OPENINGS SHALL BE PROVIDED IN THE PARTITION ABOVE THE CEILING.
19. DUCT DIMENSIONS NOTED ON THE DRAWINGS ARE NET FREE AREA. WHERE ACOUSTIC LINER IS INDICATED OR SPECIFIED THE SHEET METAL SIZE MUST BE INCREASED TO ACCOMMODATE THE LINER.
20. AREAS ABOVE THE CEILING SERVE AS A RETURN AIR PLENUM. ALL MATERIALS EXPOSED IN THE PLENUM SHALL HAVE A 25/50 SMOKE/FLAME SPREAD RATING.
21. ALL DUCT RUNOUTS TO AIR DEVICES ARE TO BE THE SAME SIZE AS THE NECK OF THE AIR DEVICE UNLESS NOTED OTHERWISE.
22. DIRECTIONAL ARROWS ON AIR DEVICES INDICATE THROWS FOR AIR DEVICE. VERIFY PROPER ADJUSTMENT OF THROW DEFLECTION VANES OF ALL AIR DEVICES PRIOR TO BEGINNING BALANCING. WHERE NO ARROWS ARE SHOWN, THROW SHALL BE 4-WAY.
23. CONTRACTOR SHALL BALANCE EACH AREA OF COMPLETED WORK. THE CONTRACTOR SHALL BALANCE SUPPLY, RETURN, AND EXHAUST AIR FLOWS AT EACH AIR DEVICE AFFECTED BY RENOVATION TO QUANTITY INDICATED ON THE DRAWINGS.
24. ALL NEW DUCT CONNECTIONS TO EXISTING DUCTWORK SHALL BE SEALED AIRTIGHT.
25. ALL BATHROOM EXHAUST DUCTWORK SHALL BE EXTERNALLY INSULATED.
26. EXPOSED GALVANIZED DUCTWORK SHALL BE PAINTABLE. GENERAL CONTRACTOR TO PAINT ALL EXPOSED DUCTWORK. FINAL COLOR TO BE APPROVED BY THE ARCHITECT.

GENERAL NOTES (ROOF PROTECTION)

1. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF SEVEN DAYS PRIOR TO THE BEGINNING OF WORK THAT INVOLVES ACTIVITY ON THE ROOF.
2. TRAFFIC OVER THE EXISTING ROOF SURFACES SHALL BE KEPT TO AN ABSOLUTE MINIMUM.
3. THE CONTRACTOR AND THE OWNER'S REPRESENTATIVE SHALL INSPECT THE EXPOSED ROOFING MEMBRANE SYSTEM PRIOR TO THE START OF CONSTRUCTION. ANY PREVIOUS DAMAGE OR DEFECTS OF THE ROOFING SYSTEM SHALL BE DOCUMENTED BY WRITING AND/OR PHOTOGRAPHS.
4. THE CONTRACTOR SHALL PLACE MINIMUM OF 48" WIDE, 1/2" THICK APPROVED PROTECTION BOARDS (1 LAYER) MADE OF CONSTRUCTION GRADE PLYWOOD (ORIENTED STRAND BOARD WILL BE ACCEPTABLE) OVER ALL MEMBRANE ROOFING THAT WILL HAVE CONSTRUCTION TRAFFIC. THIS ROOF PROTECTION SHALL BE PROVIDED FOR THE ENTIRE AREA WITHIN THE LIMITS OF THE WORK (SEE DRAWINGS THIS SHEET). SUCH PROTECTION SHALL ALSO BE PROVIDED IN THE FORM OF A WALKWAY FROM THE ROOF ACCESS DOOR TO THE PROTECTED CONSTRUCTION AREA.
5. STORAGE OF MATERIALS ON EXISTING ROOF WILL NOT BE ALLOWED.
6. THE CONTRACTOR SHALL REMOVED DAILY ALL PROJECT DEBRIS FROM ALL ROOFING SURFACES.
7. THE CONTRACTOR SHALL ADVISE THE OWNER'S REPRESENTATIVE WHEN WORK ON THE ROOF IS COMPLETE AND THE PROTECTION BOARDS HAVE BEEN REMOVED. THE CONTRACTOR AND THE OWNER'S REPRESENTATIVE SHALL EXAMINE ALL ROOF SURFACES WHERE WORK HAS OCCURRED AND WILL REPAIR ALL DEFECTS NOT PREVIOUSLY DOCUMENTED.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE BUILDING, ROOF, STRUCTURAL FRAMING, ETC. INCURRED DURING CONSTRUCTION.
9. CONTRACTOR SHALL UTILIZED A LICENSED APPLICATOR OF THE EXISTING ROOFING SYSTEM TO REPAIR ANY AND ALL DAMAGE INCURRED DURING THE COURSE OF CONSTRUCTION.
10. THE CONTRACTOR SHALL VERIFY WARRANTY OF THE EXISTING MEMBRANE ROOFING SYSTEM. THE CONTRACTOR SHALL UTILIZE A LICENSED APPLICATOR OF THE EXISTING ROOFING SYSTEM TO PERFORM ALL ROOFING WORK AND TO REPAIR ANY AND ALL DAMAGE. UPON COMPLETION, THE CONTRACTOR SHALL OBTAIN A LETTER FROM THE ROOF MANUFACTURER STATING THAT THE EXISTING WARRANTY REMAINS IN FULL FORCE AND EFFECT.

GENERAL NOTES (DEMOLITION)

1. THESE PLANS ARE DIAGRAMMATIC IN NATURE SINCE THEY REFLECT ONLY THE AVAILABLE INFORMATION OBTAINED FROM EXISTING PLANS, SPECIFICATIONS, AND FIELD SURVEYS. THE EXACT LOCATION OF EXISTING DUCTWORK, PIPING, AND EQUIPMENT MAY DEVIATE FROM THE LOCATION INDICATED ON THESE DRAWINGS. THE CONTRACTOR SHALL BE PREPARED TO MAKE SOME ALTERATIONS TO NEW AND/OR EXISTING SERVICES TO FIT ACTUAL JOB CONDITIONS.
2. ITEMS SHOWN BOLD AND/OR DASHED ON THE DEMOLITION SHEETS INDICATE ITEMS TO BE REMOVED.
3. CROSS HATCHING INDICATES ITEMS TO BE REMOVED.
4. OWNER HAS FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING REMOVED. CONTRACTOR TO DISPOSE OF EQUIPMENT BEING REMOVED BUT NOT RETAINED BY OWNER.

MECHANICAL SHEET INDEX:

SHEET NO.	SHEET NAME
M000	MECHANICAL LEGENDS, GENERAL NOTES AND ABBREVIATIONS
M001	MECHANICAL SPECIFICATIONS
M200	MECHANICAL FLOOR PLAN - GROUND FLOOR
M201	ENLARGED FLOOR PLAN - GROUND FLOOR
M202	MECHANICAL FLOOR PLAN - ROOF
M300	MECHANICAL DETAILS
M400	MECHANICAL SCHEDULES
M500	MECHANICAL COMPLIANCE REPORT
M501	MECHANICAL COMPLIANCE REPORT
M800	MECHANICAL 3-D VIEW

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PLANS, MAPS, SPECIFICATIONS, STUDIES AND REPORTS NOT CONTAINING A SEAL IMPRINT ACCOMPANIED BY AN ORIGINAL SIGNATURE BY THE LICENSED PROFESSIONAL MAY HAVE BEEN FRAUDULENTLY ALTERED AND SHALL NOT BE CONSIDERED AN ORIGINAL COPY. ALL INFORMATION SHOULD BE DISREGARDED UNLESS VERIFIED BY THE PROFESSIONAL WHOSE SIGNATURE APPEARS BELOW.
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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

LICENSED PROFESSIONAL ENGINEER
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REMODEL

PROJECT NAME

SLICK CITY

NORMAN, OK

PROJECT NUMBER

NORMAN, OK

SHEET TITLE

MECHANICAL LEGENDS, GENERAL NOTES AND ABBREVIATIONS

SHEET NUMBER

M000

STANDARD PROVISIONS
PART 1 - GENERAL
1.01 GENERAL:
A. Related Work Specified Elsewhere:
1. The general provisions of the Contract, including General and Supplementary Conditions, instructions to Bidders and General Requirements, apply to the work specified in this Division.
2. This section applies to all aspects of Division 15 and is intended to be complementary to the General Conditions, Supplementary General Conditions, and General Requirements.
3. Furnish all labor, materials, services, equipment and appliances required for the complete furnishing and installation of the Mechanical systems, including Plumbing, Heating, Ventilating and Air Conditioning and Fire Protection.
4. The use of the words "provide", "furnish", or "install" means that the item or facility is to be both furnished and installed unless expressly stated otherwise.
5. The term "Contractor" used in this Division of the Specifications shall mean the "Mechanical Sub-Contractor", "Plumbing Subcontractor", or "Fire Protection Subcontractor".
B. Scope:
1. Refer to Architectural Supplements for the scope of the Project.
2. The contract documents and complete scope of work are illustrated on the combined Architectural; Structural; Plumbing; Heating, Ventilating and Air Conditioning; and Electrical drawings. Review and examine the complete set of contract documents.
3. Refer discrepancies, errors, omissions and ambiguities in the contract documents to the Architect. Otherwise, provide materials and labor to resolve same in a manner approved by the Architect at no additional costs to the Owner.
4. The intent of the drawings and specifications is to provide complete systems. Items included in one and not the other are of like effect as if included in both. Provide miscellaneous items and accessories required for complete systems.
5. Items indicated by one discipline and not included in another discipline in the drawings and specifications shall be provided as if included, at no additional costs to the Owner.
C. Description of System:
1. Facilities and systems of mechanical work in general include, but are not limited to, the following:
a. Basic Materials and Methods.
b. Plumbing System.
c. Heating, Air Conditioning and Ventilating System.
d. Fire Protection System
e. System Controls.
2. Provide labor, materials, equipment and accessories for complete systems whether or not specifically included in the Contract Documents.
3. Drawings are diagrammatic and contain graphic representations, schedules and notations showing mechanical work. Follow drawings as closely as actual construction will permit. Make deviations from drawings for conformance to actual construction at no additional costs to the Owner. Refer items requiring clarifications and interpretations to the Owner's representative for resolution; provide work as resolved at no additional costs to the Owner. Deviations for reasons other than described above, if deemed necessary, shall be submitted to the Owner's representative for approval. Do not make deviations without written approval.
D. Definitions:
1. The Contractor is responsible for the Work of Sub-Contractors.
2. Furnish - Supply Materials.
3. Install - Install Materials.
4. Provide - Furnish and Install Materials.
5. Approval - Written authority to proceed from the Architect.
1.02 QUALITY ASSURANCE:
A. Workmen Qualifications: Skilled mechanics competent in their trades, licensed where required by authorities having jurisdiction.
B. Requirements of Authorities Having Jurisdiction:
1. Determine authorities having jurisdiction and the applicable codes, rules and regulations of those authorities.
2. Perform work in conformance with the requirements of authorities having jurisdiction.
3. Obtain all permits, licenses and inspections as required by all authorities having jurisdiction. Give all notices and comply with all Laws, Ordinances, Rules, Regulations and Contract bearing on the work.
4. In cases of differences between requirements of the various authorities having jurisdiction, exceed the lesser requirements and meet the greater, more stringent requirements.
5. All fees and costs for permits, licenses, or inspections shall be paid by this Contractor unless expressly stated otherwise.
C. Codes:
1. The installation of the mechanical systems shall conform to the requirements of the National Fire Prevention Association (NFPA), local and state codes having jurisdiction, and the requirements of the Utility Companies whose services are used.
2. Codes and ordinances having jurisdiction over the work shall serve as minimum requirements; but, if the Contract Documents indicate requirements which are in excess of those minimum requirements, then the requirements of the Contract Documents shall be followed. Should there be any conflicts between the Contract Documents and codes or any ordinances having jurisdiction, report these to the Architect.
D. Reference Standards: All systems installed by this contractor shall be updated and modified in accordance with the following codes and standards, but in no instance shall the standards be less than the requirements of other paragraphs of these contract documents.
1. Specified manufacturer's instructions and recommendations.
2. American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE).
3. Sheet Metal and Air Conditioning Contractors National Association. (SMACNA).
4. National Fire Protection Association (NFPA).
5. Underwriters' Laboratories (UL).
6. Americans with Disabilities Act (ADA).
7. Local code authorities.
1.03 SHOP DRAWINGS AND SUBMITTAL DATA:
A. Before submittal of the data, the Contractor shall check each piece of apparatus, equipment and accessory to ensure compliance with the requirements of the Plans and Specifications and shall clearly mark each submittal with his signature to indicate that they are in full compliance with the specifications and plans. The Contractor shall verify that all associated trades are aware of their work concerning the equipment submitted. Any submittals received without the Contractor's signature may be returned without being checked by the Architect's office.
B. Certificates:
1. Provide certificates required by contract documents and by authorities having jurisdiction.
2. Provide Underwriters' Laboratories seals affixed to materials.
C. Test Reports: Provide copies of test reports required by contract documents and by authorities having jurisdiction.
D. Approval, disapproval, or comments on submittals shall not relieve the contractor of the requirements of the specifications or the drawings.
1.04 PRODUCT DELIVERY, STORAGE AND HANDLING:
A. Delivery: Deliver equipment and materials in unopened manufacturer's standard packaging. Any piece of equipment placed on the job site without prior written review shall be subjected to removal.
B. Storage: Store equipment and materials where not subject to damage from personnel and the elements.
C. Handling: Avoid damage to materials and surrounding surfaces and finishes before and during installation.
1.05 EXAMINATION OF PREMISES:
A. This Contractor shall visit the site to become fully acquainted with the immediate and surrounding premises and the conditions under which the work will be executed.
1.06 SUBCONTRACT AND LABOR:
A. All provisions of this Section shall apply to all Subcontracts to the extent that they are applicable to such Subcontractor.
1.07 ACCEPTANCE OF WORK:
A. The work, when completed, will be accepted in a finished, perfect and undamaged state only. This Contractor shall provide for protection of the work during its progress and, if damaged, all patching or replacing necessary to its full and satisfactory completion.
1.08 FINALLY:
A. It is the intention that this Specification shall provide a complete installation. All auxiliary construction equipment and apparatus necessary or advantageous to the operation and testing of the work shall be included. The omission of specific reference to any part of the work necessary for such complete installation shall not be interpreted as relieving this Contractor from furnishing and installing such parts.
1.15 WARRANTY:
A. Warrant the work for one year from and after date of beneficial occupancy to include freedom from defects for materials, equipment and labor. Replace defective work during the warranty period. All compressors shall be five year non-prorated warranty.
B. The one year warranty provided in the General Conditions shall be in addition to and not in limitation of any guarantees or warranties of longer duration or other remedies provided by law of the Contract Documents.
C. The warranty shall include supervision and adjustment, any maintenance recommended by the equipment manufacturer or contractor or inspections. Also included in the warranty is any refrigerant lost or leaked in normal operation or in service of equipment. Provide four filter changes at appropriate intervals during the warranty period.
PART 2 - PRODUCTS
2.01 MATERIALS:
A. New, free from defects, of quality commercial grade standard product by reputable manufacturers.
B. Listed by Underwriters' Laboratories for which standards apply.
C. In compliance with Contract Documents in regard to quality, dimensions, appearance, design and performance.
D. Similar materials of same manufacture.
E. First named under "Acceptable Manufacturers" is the manufacturer whose product was used for design.
2.02 SUBSTITUTIONS:
A. Substitute materials will be considered for approval after Contract has been awarded.
B. Approval of substitutions is specifically excluded from this Division prior to signing of contract.
C. Requests for substitutions:
1. In writing.
2. Required data necessary for evaluation.
3. Difference in contract amount for each item.
4. In accordance with submittals procedure.
D. Requests for substitution imply no obligation on the Owner and his representatives.
E. If approved substitutions cause changes in the work required, including work by other trades, pay all costs involved and effect all necessary changes to accommodate substitutions at no additional cost to the Owner.
PART 3 - EXECUTION
3.01 INSPECTION:
A. Examine materials upon receipt for damages. Replace damaged materials.
B. Examine building structure to which materials are to be secured for defects adversely affecting the quality and execution of work. Do not start work until defects are corrected.
3.02 PREPARATION:
A. Field Measurements:
1. Refer conflicts to the Architect for review. Resolve conflicts in accordance with the Architect's written direction at no additional costs to the Owner.
2. Coordinate locations of materials with other trades by reference to Contract Documents and by conference with other trades. If work is later found to interfere with work of other trades, make necessary changes to eliminate interference at no additional cost to the Owner.
B. Preparation of Surfaces: Clean and otherwise modify surfaces to which materials are to be applied and secured in accordance with manufacturer's recommendations and Architects direction.
C. Verify proper type materials being installed for environmental conditions.
3.03 INSTALLATION:
A. Install materials in accordance with the requirements of the authorities having jurisdiction and the manufacturer's recommendations. All heights and clearances of equipment to be installed is to be as detailed on the Architectural plans and as required by the ADA. Notify the Architect of all discrepancies in writing prior to rough-in.
B. Records for Owner:
1. Maintain full set of Contract Documents at Project. Note daily changes made in connection with final installation.
2. Provide a complete set of "as-built" reproducible drawings to the owner showing exact locations of all equipment, valves, piping, ducts, etc. These drawings shall reflect any changes from contract documents and shall be drafted by competent personnel to provide the owner with quality documents of facilities at project completion.

BASIC MATERIALS AND METHODS
PART 1 - GENERAL
1.01 DESCRIPTION:
A. Work included in This Section: The following Specification applies to all work of the Mechanical and Plumbing Contractors.
PART 2 - PRODUCTS
2.01 STANDARDS FOR MATERIALS:
A. All materials and equipment shall conform to the requirements of the Contract Documents. They shall be new, free from defects, and they shall conform to the following standards where these organizations have set standards. All materials and equipment shall be UL listed and labeled where possible.
1. Underwriters Laboratories, Inc. (UL).
2. National Electrical Manufacturer's Association (NEMA).
3. American National Standards Institute (ANSI).
B. Manufacturer's names and catalog numbers are used as a means of establishing product grade and quality. Where several manufacturers are named, only these named manufacturers' are to be used on the job. Other named manufacturers, although acceptable as manufacturers, must prove their product will conform satisfactorily and will meet space and capacity requirements, etc., of the first named manufacturer.
C. The use of one named manufacturer in the schedules on the Drawings is for guide purposes. The provisions of the above paragraph will govern in the selection of products to be used.
D. Where the "or approved equal" clause is used in these specifications, the name, or names, mentioned are to be used as a basis of quality. Other manufacturer's products will, however, be considered as substitutions and shall not be used as a basis for pricing.
E. Basis of quality shall be interpreted to include material, workmanship, weight, finish, gauges of material, appearances, capacity, performance, etc.
F. Manufacturer's representation as to availability of equipment parts and replacement and service personnel in the area will be a factor in consideration of substitutions.

2.02 FLAME SPREAD PROPERTIES OF MATERIALS:
A. Materials and adhesives used throughout the mechanical system for filters, acoustical lining, thermal (pipe) insulation, flexible connections, duct tape, pneumatic tubing, etc., exposed in plenums, shall conform to the Federal Standard flame spread properties of materials. Under this requirement, the classification shall not exceed No. 11, with the range of index between 0 and 25 for the basic materials, their index of 50 in its classification No. 111 as listed in the Federal Specification.
B. Only materials and adhesives meeting these requirements will be acceptable.
PART 3 - EXECUTION
3.01 FIREPROOFING PENETRATIONS:
A. Provide fire sealing for penetrations through fire rated construction to maintain the fire rating of the walls, floors, partitions or roofs per local jurisdiction and Landlord's requirements.
3.02 ROUGHING-IN AND FINAL CONNECTIONS:
A. The Mechanical Sub-Contractor shall have the responsibility of rough-in for and assembly of various equipment and to make final connection to all equipment furnished by Owner and/or under Sections of these Specifications.
B. Roughing-in and assembling of this equipment shall be determined from the manufacturer's Shop Drawings or as directed and in no case shall the location be scaled from the Architectural or Mechanical Drawings.
C. The Contractor shall be aware that various equipment, valves, strainers, unions, etc., shown on the plans furnished by others shall be coordinated and assembled before installation under this contract.
3.03 CONSTRUCTION REQUIREMENTS:
A. Where equipment is being furnished under another Division, request from the Architect an accepted drawing that will show exact dimensions of required locations of connections. Install the required facilities to the exact requirements of the approved drawing.
B. Assume responsibility for all costs or changes required that may be incurred if this Specification is not followed.
3.04 CLEAN-UP:
A. During the execution of the work remove all rubbish and excess materials accumulated as a result of the work.
B. Remove all dirt, paint, grease and stains from all exposed equipment. Upon completion of work, clean all equipment and the entire installation so as to present a first class job suitable for occupancy. No loose parts or scraps of equipment shall be left on the premises.
C. Equipment and pipes shall be repaired with paint kits supplied by the equipment manufacturer.
3.05 TESTS, ADJUSTMENTS AND INSPECTIONS:
A. On completion of the installation, test and adjust all new equipment installed or existing equipment connected.
B. Pay all costs for labor, materials, equipment, etc., as required for testing and adjusting of the systems. Provide all apparatus, temporary piping connection or any other requirements for all tests. Take-up the temporary piping and damage to the building or its contents incurred by such tests. Repair and make good any damage so caused at no additional cost to Owner.
C. Any leaks, defects or deficiencies discovered as a result of these tests or tests performed by the Owner-retained testing and balancing firm shall be repaired and test shall be repeated until test requirements are fully completed.
D. When practical, all piping tests shall be made before pipe is covered or concealed.
E. It is the intention of this section of the specifications to provide necessary tests during and at completion of the job to ensure tight piping and ductwork and a correctly adjusted system, and the Contractor shall do everything necessary to accomplish this.
F. All motors, bearings, etc., on all equipment shall be correctly oiled and greased before the equipment is operated and again at the completion of the job. Provide complete oiling and greasing instructions for Owner's designated personnel. Grease fittings shall be installed on equipment that requires periodic greasing.

AIR CONDITIONING EQUIPMENT
PART 1 - GENERAL
1.01 SCOPE:
A. Furnish all labor, materials, tools, equipment items required for the complete installation of Air Conditioning Equipment as indicated by the Contract Documents.
1.02 WARRANTY:
A. Provide five year unconditional warranty on compressor units.
B. Provide a ten (10) year unconditional warranty for all heat exchangers from the manufacturer.
1.03 QUALITY ASSURANCE:
A. Meet the requirements of UL and applicable codes.
B. Test and rate cooling systems to Air-Conditioning and Refrigeration Institute Standard 210.
PART 2 - PRODUCTS
2.01 PACKAGED ROOFTOP UNITS:
A. Roof Top Constant Volume, Gas Fired Heating and Cooling units shall be as scheduled and shown on plans. Cooling capacity ratings shall be based upon test in accordance with ARI standard 360. Units shall consist of insulated roof curb, compressor, air cooled condenser coil, condenser fans, Gas Fired Heat exchanger, condensate drain pans, evaporator fans, return fans (if applicable), motors and drives. Units shall also include filters and unit controls.
B. Unit shall be provided with standard 2" economizer if scheduled on the drawings.
C. Cabinet: Steel with baked enamel finish, access doors or removable access panels with quick fasteners, screwdriver operated flush cam type. Structural members shall be minimum 18 gage with access doors or removable panels, minimum 20 gage.
D. Insulation: Neoprene coated glass fiber on surface where conditioned air is handled. Protect edges from erosion.
E. Supply Fan: Centrifugal class 1 type rubber mounted V-belt drive, adjustable variable pitch motor pulley, and rubber isolated hinge mounted motor. Fan motor shall have overcurrent and high temperature protection. Complete fan assembly shall be vibration isolated.
F. Air Filters: 2 inch thick glass fiber disposable media in metal frames arranged for easy replacement.
G. Provide copper tube aluminum fin coil assembly with galvanized drain pan and connection, capillary tubes, and expansion valve. Evaporator coil shall have full active face to assure proper treatment of all air flowing through unit. The coil shall be leak tested to 200 PSI and pressure tested to 450 PSI.
H. Refrigeration system shall contain sealed hermetic high efficiency compressors with service valves, vibration isolation crankcase heaters, sight glasses, and filter driers. Provide internal overcurrent and over temperature protection on all units.
I. Crankcase heaters shall be standard on all units.
J. Provide copper tube aluminum fin condenser coil assembly with sub-cooling rows.
K. Condenser fans shall be direct drive, statically and dynamically balanced with permanently lubricated bearings and built-in thermal overload protection.
L. Provide refrigerant pressure switch to cycle condenser fans.
M. Heating Section shall be gas fired, completely assembled and integral with the unit complete with electronic ignition. The heat exchanger shall be tubular two-pass design with 16 gauge aluminized steel primary and 18 gauge secondary heat exchanger surfaces. Free-floating design to eliminate contraction and expansion stresses and noises. The burner shall be industrial type power burner with air proving switch. Automatic pressure sensing safety switch to prevent burner operation if burner is open for maintenance or inspection. The ceramic burner cone shall shape the flame to prevent impingement on sides of heat exchanger drum. Burner assembly shall house the electronic ignition. Provide all operating and safety controls with continuous electronic flame supervision.
N. Dampers: Provide motorized minimum outside air dampers with damper operator and control package to automatically open when the unit is running in the occupied mode. Outside air damper shall fail to closed position. Provide tight fitting dampers with edge gasket: 24 volt, spring return with motor and gear train sealed in oil.
O. Unit connection - power wires in the unit shall be powered by single-point terminal connections. All utility connections shall be routed through bottom of unit.
P. Provide complete roof insulation roof curb. Unit shall be mounted on curb with an airtight seal. Roof curb shall be of the same manufacturer as unit and shall include an insulated panel under compressor section to prevent condensation from forming on bottom. Dimensions shall be provided to allow for easy duct location and connection to roof curb prior to unit placement. Curb design shall comply with National Roofing Contractor's Association requirements.
Q. Compressor circuit breakers current sensitive and temperature compensated to shut off compressor if current draw is excessive. Must be manually reset. Provide inherent compressor thermal protection with automatic reset to de-energize the control circuit if extreme motor temperature should occur due to excessive suction gas temperature or motor overloading.
R. Safety controls - Cooling section shall be protected by: fusible plug, low and high pressure stat, compressor; the compressor motor from being subjected to starting current more than once every 5 minutes.
S. Low-pressure switch to automatically shuts off the compressor if refrigerant pressure drops below setting for loss of charge protection.
T. Fusible plugs located in the refrigerant system protect against excessive pressures or temperatures in case of fire or other abnormal high-temperature condition.
U. Inherent outdoor fan motor protection with automatic reset. Power circuit opens if motor temperature becomes excessive.
V. When the unit is running during the occupied hours the minimum outside air damper shall be open. When the unit is off or is running in the unoccupied mode the outdoor air dampers shall be closed.
W. The dry-bulb economizer shall allow the outside air dampers to open and the return air dampers to close to provide "free cooling" when the outside air is below 57°F. Maintain selected mixed air temperature and lock out compressor below approximately 57°F ambient, return dampers to minimum position above approximately 70°F ambient.
X. Provide a programmable room thermostat with a remote sensor with fan ON-AUTO and system HEAT-OFF-COOL-AUTO switches.
Y. When the rooftop unit is factory furnished with one or more smoke detectors, provide a switch and pilot light indicator to remotely show if it is in the tripped position and to reset the smoke detector.

PART 3 - EXECUTION
3.01 INSTALLATION:
A. The design on the drawings (electrical, structural, etc.) is based on the manufacturer listed. If the unit is furnished by one of the other listed manufacturers, the Contractor shall be responsible or any modifications required to install such manufacturers unit. This shall include, but not be limited to, increases in unit electrical feeder sizes, switch and fuse or breaker sizes, structural bracing, etc.
B. Air unit to be supplied with filters during the construction phase of the project. After project completion, all filters to be changed. Provide one additional complete set of filters.
C. All wiring shall be in accordance with the National Electric Code.
D. Mount units level on factory built roof mounting frame providing watertight enclosure to protect ductwork and utility services. Mount units level.
E. Roof top unit shall be located where shown on the drawings. All equipment is to be installed with service clearance as recommended by the manufacture or as required by applicable codes. Install rooftop equipment sufficiently away from unprotected edges of the roof as required by OSHA. Install all fresh air intakes at least ten feet from exhaust outlets or plumbing vents.
F. If in the opinion of the Roof Top Manufacturer additional external spring isolation is required to insure NC levels do not exceed 35 (max), said manufacture shall include external spring when pricing Roof Top Unit to contractor. Architect and Engineer shall be notified before bidding if additional spring isolation is required, in writing from the manufacturer.
3.02 SEQUENCE OF OPERATIONS
A. Cooling
1. The room thermostat shall control the cooling cycle.
2. The fan may either run continuously or be cycled by the thermostat. This function shall be set at the thermostat.
4. Minimum outside air damper: open on fan start and close on fan stop.
B. Heating
1. The rooftop unit shall be controlled by the room thermostat.
2. In the AUTO position, the fan shall be controlled by a bonnet switch of timer.
3. The fan may either run continuously or be cycled by the thermostat. This function shall be set at the thermostat.
4. Minimum outside air damper: open on fan start and close on fan stop.

DUCTWORK
PART 1 GENERAL
1.01 SCOPE:
A. Furnish all labor, materials, tools, equipment and related items required for the complete installation of Ductwork as indicated by the Contract Documents.
PART 2 PRODUCTS:
2.01 MATERIALS:
A. General: Non-combustible or conforming to requirements for Class 1 air duct materials, or UL 181.
B. Steel Ducts: Galvanized steel sheet, lock-forming quality, having zinc coating of 1.25 oz per sq. ft. (.382 g/sq m) for each side in conformance with ASTM A90.
C. Flexible Ducts: Interlocking spiral of galvanized steel or aluminum construction; rated to 2 inches WG (500 Pa) positive and 1.5 inches WG (375 Pa) negative.
D. Insulated Flexible Ducts: Flexible duct wrapped with flexible glass fiber insulation, enclosed by seamless aluminum pigmented plastic vapor barrier jacket, maximum 0.23 K value at 75 degrees F (0.034 KSI at 24 degrees C).
E. Fasteners: Rivets, bolts, or sheet metal screws.
F. Sealant: Non-hardening, weather resistant, fire resistive, compatible with mating materials; liquid used alone or with tape, or heavy mastic.
G. Hanger Rod: Steel, galvanized; threaded both ends, threaded one end, or continuously threaded.
H. Plumber's strap is not an acceptable duct hanger.
I. Duct longitudinal seams shall be double locked and hammered flat.
J. Fabricate and support in accordance with SMACNA Low Pressure Duct Construction Standards and ASHRAE handbooks, except as indicated. Provide duct material, gages, reinforcing, and sealing for operating pressures indicated.
K. Size round ducts installed in place of rectangular ducts in accordance with ASHRAE table of equivalent rectangular and round ducts. No variation of duct configuration or sizes permitted except by written permission.
L. Construct Tee's, bends, and elbows with radius of not less than 1-1/2 times width of duct on centerline. Where not possible and where rectangular elbows are used, provide turning vanes. Where acoustical lining is indicated, provide turning vanes of perforated metal with glass fiber insulation.
M. Increase duct sizes gradually, not exceeding 15 degrees divergence wherever possible. Divergence upstream of equipment shall not exceed 30 degrees; convergence downstream shall not exceed 45 degrees.
N. Provide easements where low pressure ductwork conflicts with piping and structure. Where easements exceed 10 percent duct area, split into two ducts maintaining original duct area.
O. Use double nuts and lock washers on threaded rod supports.
2.03 LOW PRESSURE FLEXIBLE DUCTWORK:
A. Low Pressure flexible duct shall conform to the Class 1 requirements of the NFPA. A nominal 1" thickness of fiberglass insulation shall be enclosed in a factory applied and sealed vapor barrier jacket.
B. Insulated flexible duct shall be type SLR-181 Genflex as manufactured by the General Environment Corporation or equal by Wiremold or Thermoflex.
C. All flexible duct shall be installed per the manufacturer's recommendations.
D. All joints and connections shall be made with positive locking steel, straps and approved mastic tape insulation joints.
PART 3 EXECUTION
3.01 INSTALLATION:
A. Provide openings in ductwork where required to accommodate thermometers and controllers. Provide pitot tube openings where required for testing of systems, complete with metal can with spring device or screw to ensure against air leakage. Where openings are provided in insulated ductwork install insulation material inside a metal ring.
B. Locate ducts with sufficient space around equipment to allow normal operating and maintenance activities.
C. Connect diffusers or troffer boots to low pressure ducts with 5 feet (1.5 m) maximum length of flexible duct. Hold in place with strap or clamp.
D. Support rectangular ducts by 1" x 16 gauge galvanized band iron or 3/8" galvanized rod hangers attached to reinforcing angles and spaced same as reinforcing angles. Secure hangers to concrete beam or slab by inserts, anchor shield and bolt, toggle bolt, or expansion bold. All hangers shall be attached to the top chord of bar joists.
E. Flash and counter flash around all ducts passing through the roof using galvanized sheet securely built into Roofing in accordance with the instructions of the Roofing Contractor. Provide roof curb for all penetrations.
F. Flat duct surfaces shall be crimped diagonally regardless of size. Longitudinal joints in all duct sizes may be flat lock joints. Transverse joints and intermediate bracing shall be constructed of galvanized sheet metal or galvanized structural angles.
G. Lock joints shall be hammered to make them airtight. Inside of duct shall present a smooth surface to flow of air.
H. Turns shall be made with a throat radius of not less than the duct width. Duct tap from mixing boxes to main ducts shall be made with low loss fittings.
I. Transformations shall have a ratio of not more than 1" in transformation to each 7" of length.

DUCTWORK INSULATION
PART 1 - GENERAL
1.01 SCOPE:
A. Furnish all labor, materials, tools, equipment and related items required for the complete installation of Ductwork Insulation as indicated by the Contract Documents. All piping insulation values (R-values) must meet that required by the applicable energy codes regardless of the thickness listed.
PART 2 - PRODUCTS
2.01 ACCEPTABLE MANUFACTURERS:
A. Fiberglass insulation: Owens-Corning Fiberglass, Manville, Knauf, Certainteed
B. Mastics: Benjamin Foster, Insul-Coustic, Chicago Mastic, Childers Products, St. Clair Rubber Co.
2.02 MATERIALS:
A. Owens-Corning Fiberglass ED-100 FRK 25 Duct Wrap or approved equal, 3/4# density with .0025# aluminum foil exterior.
B. Ductliner: A neoprene coated fiberglass board having a density of not less than 1-1/2 pcf, in conformance with Fed. Spec. HH-I-545B, Type 1. Owens-Corning Fiberglass Aeroflex duct liner or approved equal.
C. Owens-Corning Fiberglass duct liner board or approved equal.
D. Benjamin Foster 85-15 insulation bonding adhesive or approved equal.
E. At Contractor's option, concealed cold supply air ducts and plenums, and elsewhere as indicated, shall be lined with 1" thick Fiberglass 1-1/2 pound density coated duct liner complying with NFPA 90A requirements.
F. Sound Duct Insulation - Where indicated, sound insulate air ducts with 1" thick Fiberglass 1-1/2 pound density coated duct liner, applied as specified above.

PART 3 - EXECUTION
3.01 INSPECTION:
A. Examine surfaces to be covered with insulation to insure work of preceding trades is completed.
B. Check that available space is of sufficient depth for required insulation thickness.
C. Verify that substrate is clean and dry.
D. Do not proceed with application until conditions are satisfactory.
3.02 THICKNESS:
A. Supply ductwork:
1. Concealed in attics or any unconditioned space - 2 inch thick ductwrap.
2. Concealed in return air plenums or conditioned spaces - 1 inch thick ductwrap.
2. Exposed in conditioned spaces - 1 inch thick liner.
3. Exposed in unconditioned spaces and equipment rooms - 2 inch thick liner.
4. Where also indicated on drawings to be lined - 1 inch thick liner.
5. All ductwork from air handling unit or fan connection past first elbow or first fifteen feet - 1 inch thick liner.
B. Return air ductwork: 1 inch thick liner.
C. Outside air and mixed return and outside air ductwork: 1 inch thick liner.
D. Ductwork exposed to weather except exhaust ductwork: 2 inch thick liner.
E. General kitchen exhaust ductwork: 1 inch (minimum) ductwrap (liner not acceptable).

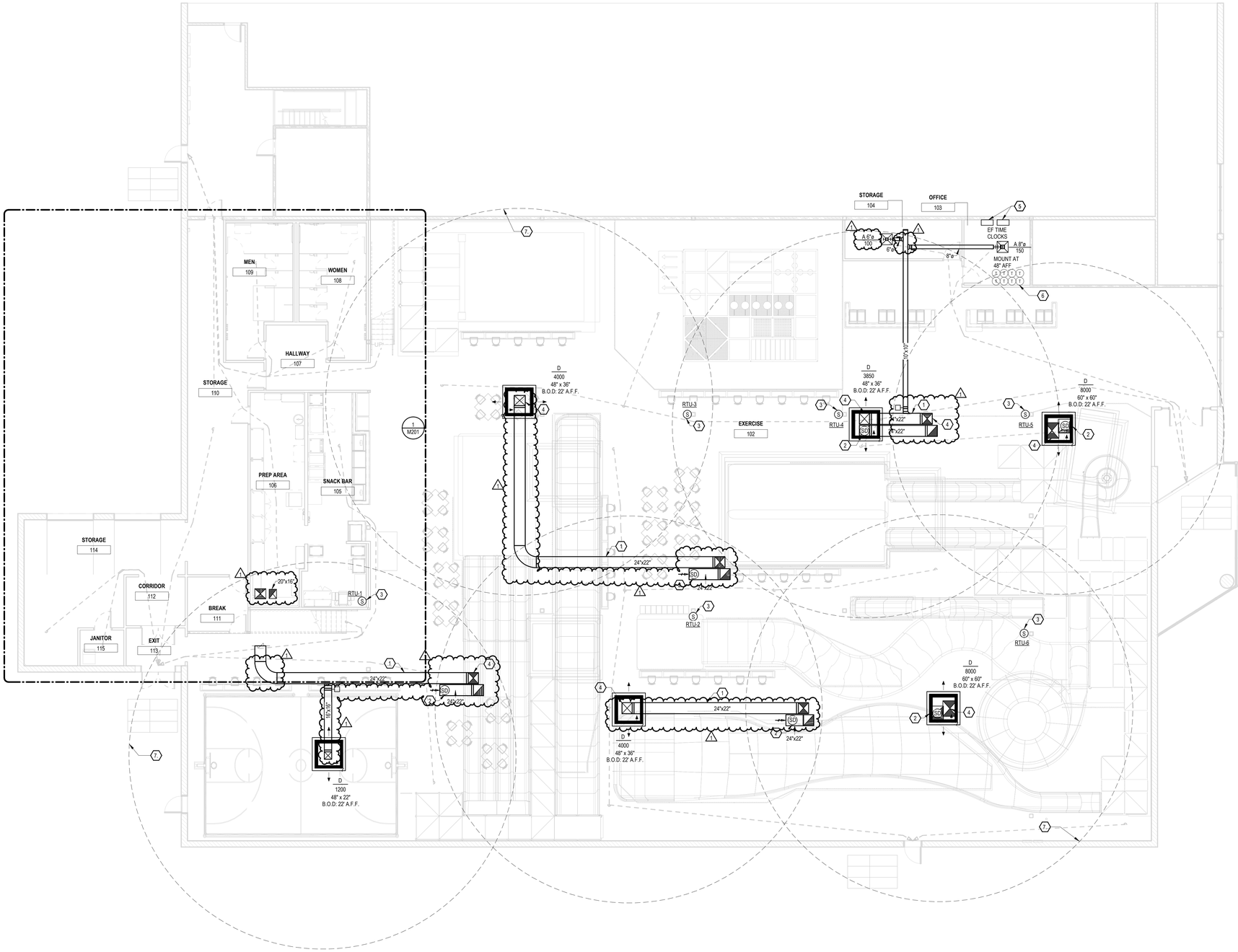
3.03 APPLICATION:
A. Duct to be insulated includes all supply air ductwork, all outside air ductwork, mixed return and outside air ductwork, all return air ductwork, and where indicated on drawings, exhaust air ductwork.
B. All plenums shall be insulated as required for ductwork.
C. Joints shall be lapped 6 inches in both directions, sealed with approved mastic applied over each joint and secured in place. When wrapped insulation meets lined ducts overlap the insulation types 24 inches.
D. Insulation shall be installed in a vapor-tight manner and may be fastened with the use of staples or other fastening material as recommended by insulation manufacturer provided the fasteners are covered with mastic or SMACNA tape.
E. Where rectangular ducts are 24" in width or greater, duct wrap insulation shall be additionally secured to the bottom of the duct with mechanical fasteners such as pins and speed clip washers, spaced 18" on centers (maximum) to prevent sagging of insulation.
F. Seal all tears, punctures and other openings or penetrations of the duct wrap insulation facing with tape or mastic to provide a vapor tight seal.
G. Where indicated to be lined, ductwork shall be insulated internally, rather than externally.
H. For internal insulation, apply insulation to inside of ducts and plenums with fire retardant adhesive with faced side exposed to air stream. Form longitudinal joints in corners of duct or plenum only. Tightly butt joints together and size with fire-retardant adhesive to provide a smooth surface. In ducts and plenums with one side more than 24", secure insulation with adhered with welded mechanical fasteners in addition to adhesive, fasteners spaced at 14" centers in both directions.
3.04 FIELD QUALITY CONTROL:
A. Work will not be considered complete until inspected or approved by the Architect-Engineer for compliance with project specifications.
B. No insulation shall be installed on any duct before building is adequately closed in. Where necessary to install any insulation before it is protected by building enclosure, permission shall be secured from the Architect; and where permission is granted, the covering must be effectively protected by roofing felt, wired on covering to make an absolute waterproof protection for covering.
C. Gray duct tape is not an approved material.

DUCTWORK ACCESSORIES
PART 1 GENERAL
1.01 SCOPE:
A. Furnish all labor, materials, tools, equipment and related items required for the complete installation of Ducts and all devices for proper air flow as indicated by the Contract Documents or as required for good practice.
1.02 REFERENCES:
A. NFPA 90A - Installation of Air Conditioning and Ventilating Systems.
B. SMACNA - Low Pressure Duct Construction Standards.
C. UL 33 - Heat Responsive Links for Fire-Protection Service.
D. UL 555S - Fire Dampers and Ceiling Dampers.
PART 2 PRODUCTS
2.01 GENERAL:
A. In each square elbow, provide airfoil pattern double thickness turning vanes. Turning vanes shall be constructed in accordance with SMACNA Manual. Turning vanes shall be equal to Barber-Coleman, "Air-Turns", Tuttle and Bailey "Duct-Turns".
B. At each low pressure ductwork branch from a low pressure duct and at each sweeping elbow take-off to a grille, provide a splitter damper consisting of blade on a square operating rod fitted with an adjusting device except at flexible duct take-off. Unless otherwise indicated on plans, the adjusting devices shall consist of a control rod and Ventfabric, Inc. No 603 ball joint bracket.
C. Provide where indicated a Model SM-20E spin-in fitting with extractor and damper operator as manufactured by General Environment Corporation, or approved equal, for low pressure taps to ceiling diffusers.
D. Each individual air supply or return unit, whether sidewall or ceiling diffuser shall be fitted with a device to permit the adjustment of the amount of air supplied to the unit independently of any other outlet. These devices may take the form of outlet boots with Santrols, or of branch duct with splitter dampers, as installation conditions dictate, but in any case, each shall be fitted with a means of manual adjustment of the amount of air delivered to the outlet.
E. Flash and counter flash around all ducts passing through the roof using galvanized sheet securely built into the roofing in accordance with the instructions of the Roofing Contractor. Provide roof curb for all penetrations.
F. Ductwork where required shall have 1", 1 1/2 lb. Johns-Manville "Micro-Bar" duct liner.
G. Flexible ductwork shall be installed to supply diffusers, with length not to exceed five feet (5'-0").
2.02 FIRE DAMPERS, SMOKE DAMPERS, AND COMBINATION FIRE AND SMOKE DAMPERS:
A. Fire Dampers:
1. Fabricate in accordance with NFPA 90A and UL 555S requirements and shall carry the corresponding label and shall be in accordance, also with pertinent regulations of the Local Governing Authorities.
2. Fire dampers shall be of solid steel curtain type with corrosion resistant steel blades and with frames which shall be continuous one-piece roll formed construction with mounting flanges. In closed position the blades shall interlock completely. Horizontally mounted dampers shall close and shall be locked by the use of stainless steel springs. Damper reset shall be accomplished by use of access panels which shall be furnished and installed.
3. Fire dampers for low pressure rectangular ducts shall be Type B with 95% or greater free area. Fire dampers for round or oval ducts shall be Type C with 100% free area. Fire dampers for medium pressure rectangular ducts shall be Type C with 100% free area.
4. Fabricate ceiling firestop flaps of galvanized steel, 22 gauge (0.76 mm) frame and 16 gage (1.5 mm) flap, two layers 0.125 inch (3.2 mm) ceramic fiber on top side and one layer on bottom side for round flaps, with locking clip.
5. Fabricate ceiling dampers of galvanized steel, 22 gage (0.76 mm) frame, stainless steel closure spring, and light weight, heat retardant non-asbestos fabric blanket closure.
6. Fabricate curtain type dampers of galvanized steel with interlocking blades. Provide stainless steel closure springs and latches for horizontal installations. Configure with blades out of air stream except for low pressure ducts up to 12 inches (300 mm) in height.
7. Fabricate multiple blade fire dampers with 16 gage (1.5 mm) galvanized steel frame and blades, oil-impregnated bronze or stainless steel sleeve bearings and plated steel axles, 1/8 x 1/2 inch (3.2 x 12.7 mm) plated steel concealed linkage, stainless steel closure spring, blade stops, and lock.
8. Fusible links, UL 33, shall separate at 160 degrees F. Provide adjustable link straps for combination fire/balancing dampers.
C. Combination Fire and Smoke Dampers:
1. Fabricate in accordance with NFPA 90A and UL 555S, and as indicated.
2. Provide factory sleeve for each damper. Install damper operator on exterior of sleeve and link to damper operating shaft.
3. Fabricate with multiple blades with 16 gage (1.5 mm) galvanized steel frame and blades, oil-impregnated bronze or stainless steel sleeve bearings and plated steel axles, stainless steel jamb seals, 1/8 x 1/2 inch (3.2 x 12.7 mm) plated steel concealed linkage, stainless steel closure spring, blade stops, and lock, and 1/2 inch (12.7 mm) actuator shaft.
4. Operators shall be spring return electric type suitable to operate on 120 V AC, 60 cycle. Operators shall be UL listed and labelled. Provide end switches to indicate damper position.
D. Smoke Dampers:
1. Fabricate in accordance with NFPA 90A and UL 555S, and as indicated.
2. Normally Closed Smoke Vent Dampers: Curtain type, opening by gravity upon actuation of electro thermal link, flexible stainless steel blade edge seals to provide constant sealing pressure.
3. Normally Open Smoke Damper: Curtain type, closing upon actuation of electro thermal link, flexible stainless steel blade edge seals to provide constant sealing pressure, stainless steel springs with locking devices ensure positive closure for units mounted horizontally.
PART 3 EXECUTION
3.01 INSTALLATION:
A. Install accessories in accordance with manufacturer's instructions.
B. Provide balancing dampers at points on low pressure supply, return, and exhaust systems where branches are taken from larger ducts as required for air balancing. Use splitter dampers only where indicated.
C. Provide fire dampers, combination fire and smoke dampers and smoke dampers at locations indicated, where ducts and outlets pass through fire rated components and where required by authorities having jurisdiction. Install with required perimeter mounting angles, sleeves, breakaway duct connections, corrosion resistant springs, bearings, bushings and hinges. Install fire dampers of equal or greater fire rating as the wall or ceiling penetrated.
D. Demonstrate re-setting of fire dampers to authorities having jurisdiction and Owner's representative.
E. Provide backdraft dampers on all exhaust fans or exhaust ducts nearest to outside and where indicated.
F. Provide flexible connections immediately adjacent to equipment in ducts associated with fans and motorized equipment.
G. Provide duct access doors for inspection and cleaning before and after filters, coils, fans, automatic dampers, at fire dampers, adjustment of backdraft dampers and elsewhere as indicated. Provide minimum 8 X 8 inch size for hand access, 18 X 18 inch size for shoulder access, and as indicated.

HVAC TESTING AND BALANCING
PART 1 - GENERAL
1.01 SCOPE:
A. The work included in this Section consists of the furnishing of all labor, instruments, tools and services required in connection with the Testing, Adjusting and Balancing (TAB) of the Heating, Ventilating and Air Conditioning (HVAC) systems as described in the mechanical specifications and/or shown on the mechanical plans, or reasonably implied therefrom.
B. The TAB Firm is responsible to and shall submit all reports directly to the Architect/Engineer and/or Owner.
C. TAB services shall result in the optimum temperature, airflow and noise levels in the conditioned spaces of the project.
D. The following basic components of the HVAC systems shall be tested, adjusted and balanced:
1. Air Distribution Systems
2. Air Moving Equipment
3. Heating Systems (HVAC)
4. Control Systems Verification
E. Document Review
1. The TAB Firm shall be responsible for reviewing the HVAC plans and specifications relating to the TAB services for proper arrangement and adequate provisions of devices for testing, adjusting and balancing.
2. TAB Firm shall review HVAC manufacturer's submittal data relative to balanceability.
3. TAB Firm shall review submitted HVAC automatic temperature control sequences for conformity to the specifications.
1.02 QUALIFICATIONS:
A. All work is to be performed by an independent Test and Balance Agency (TAB Agency) that specializes in, and whose business is limited to the testing and balancing of air and hydronic systems. The TAB Agency shall be fully certified by the Associated Air Balance Council (AABC). All instruments shall be acc

NOTES BY SYMBOL - SHEET M200

NUMBER	DESCRIPTION
1	HOLD DUCT HIGH AS POSSIBLE. COORDINATE ROUTING WITH OTHER SERVICES , EQUIPMENT AND STRUCTURE PRIOR PERFORMING WORK.
2	PROVIDE NEW "SD" SMOKE DETECTOR IN RETURN AIR DUCT PER CODE. TYPICAL.
3	NEW TEMPERATURE SENSOR IN APPROXIMATE LOCATION. MOUNT AT 48" A.F.F.
4	FULL-SIZE SUPPLY AND RETURN AIR DUCTWORK FROM RTU. TRANSITION AND OFFSET AS NECESSARY TO TERMINATE WITH CONCENTRIC DIFFUSER SIMILAR TO RUSKIN CDS. MOUNT BOTTOM OF CONCENTRIC DIFFUSER AT 22' A.F.F. COORDINATE IN FIELD WITH ARCHITECTURAL AND EQUIPMENT DRAWINGS PRIOR TO BID.
5	EXHAUST FANS TIME CLOCKS. THESE FANS TO OPERATE DURING BUILDING HOURS.
6	PROVIDE THERMOSTAT FOR UNITS WITHIN ZONR SERVED. VERIFY EXACT LOCATION, MODEL, AND TYPE WITH G.C. & OWNER.
7	DASHED LINES REPRESENT THE THROW OF THE CONCENTRIC DIFFUSER. TYPICAL.



2 MECHANICAL FLOOR PLAN - LEVEL 1

M200 1/8" = 1'-0"

Apogee Architectural Partners
A Dpld LeC Company

16775 ADDISON ROAD, SUITE 500
ADDISON, TX 75001
PH: (469) 960-2322

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REMODEL

PROJECT NAME
SLICK CITY

NORMAN, OK

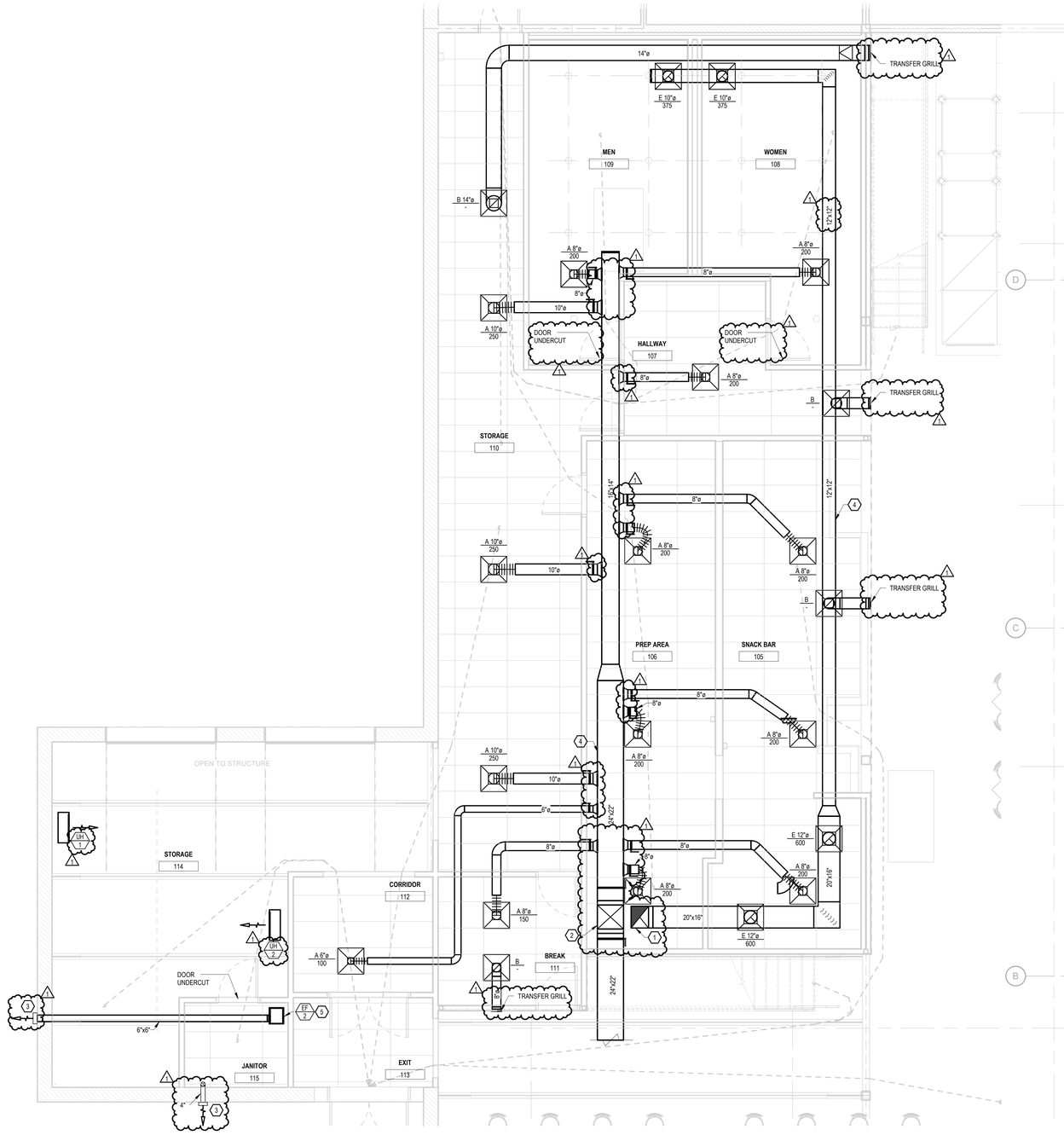
PROJECT NUMBER
NORMAN, OK

SHEET TITLE
MECHANICAL FLOOR PLAN - GROUND FLOOR

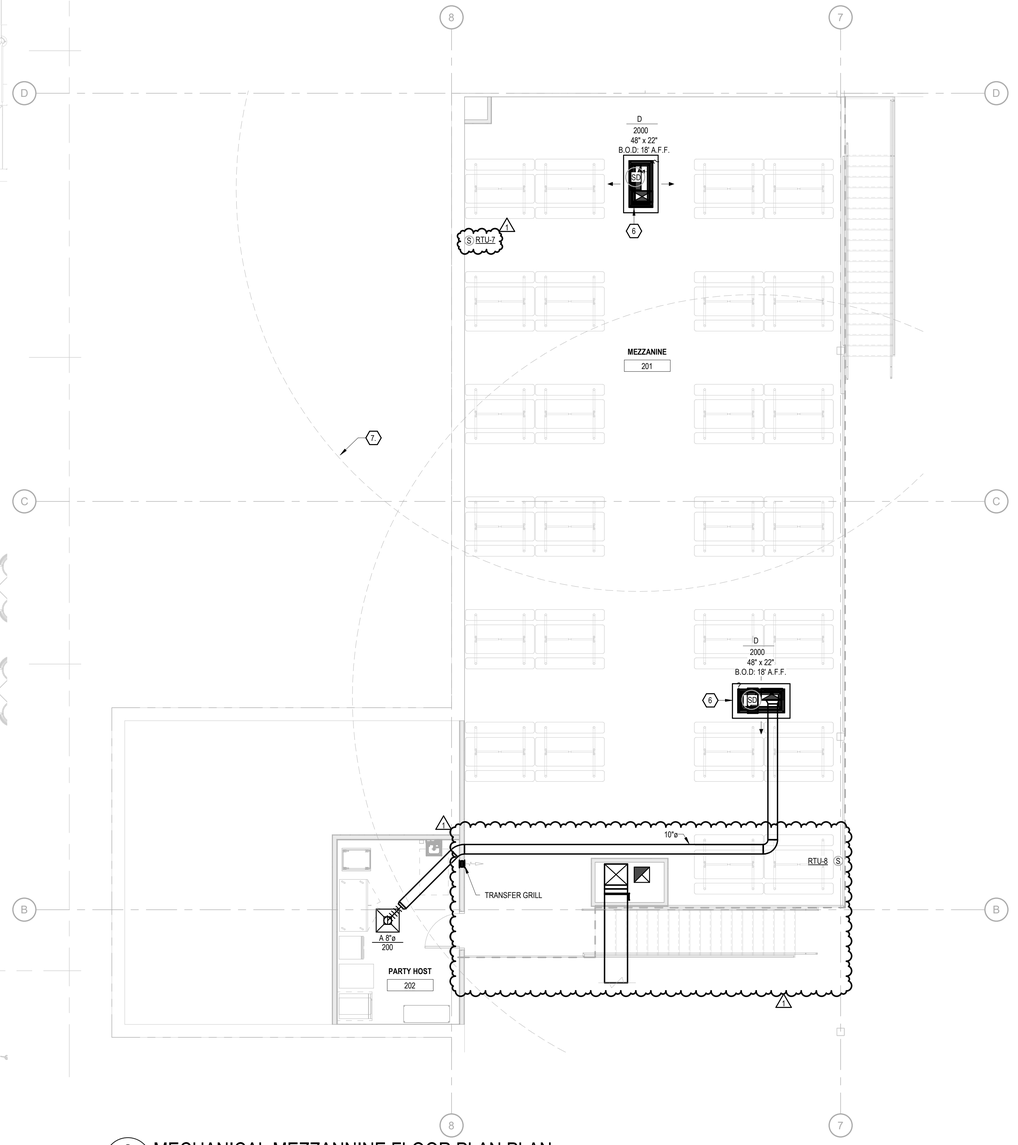
SHEET NUMBER
M200

NOTES BY SYMBOL - SHEET M201

NUMBER	DESCRIPTION
1	EXHAUST DUCT 20"X16" TO ROOF AND CONNECT TO EXHAUST FAN EF-1. PROVIDE ALL NECESSARY SUPPORTS, ACCESSORIES, AND APPURTENANCES REQUIRED FOR A COMPLETE INSTALLATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2	SUPPLY DUCT TO FIRST FLOOR.
3	PROVIDE PRIMEXVENTS WC-28 WALL CAP. EXHUAST DUCT TO BE VENTED TO ROOF ABOVE. REFER TO DETAIL 12 (DRYER VENT DETAIL) ON SHEET M300 FOR MORE INFORMATION.
4	HOLD DUCT HIGH AS POSSIBLE. COORDINATE ROUTING WITH OTHER SERVICES , EQUIPMENT AND STRUCTURE PRIOR PERFORMING WORK.
5	INSTALL CEILING-MOUNTED EXHAUST FAN; DUCT TO EXTERIOR WALL WITH WALL CAP. COORDINATE WITH ARCHITECT FOR FINAL LOCATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
6	FULL-SIZE SUPPLY AND RETURN AIR DUCTWORK FROM RTU, TRANSITION AND OFFSET AS NECESSARY TO TERMINATE WITH CONCENTRIC DIFFUSER SIMILAR TO RUSKIN CDS. MOUNT BOTTOM OF CONCENTRIC DIFFUSER AT 18' A.F.F. COORDINATE IN FIELD WITH ARCHITECTURAL AND EQUIPMENT DRAWINGS PRIOR TO BID.
7	DASHED LINES REPRESENT THE THROW OF THE CONCENTRIC DIFFUSER. TYPICAL.



1 M201 ENLARGED FLOOR PLAN - LEVEL 1
1/4" = 1'-0"



2 M201 MECHANICAL MEZZANNINE FLOOR PLAN PLAN
3/16" = 1'-0"

Apogee Architectural Partners
A Rybb Ltd Company
16775 ADDISON ROAD, SUITE 500
ADDISON, TX 75001
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REMODEL

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SLICK CITY

NORMAN, OK

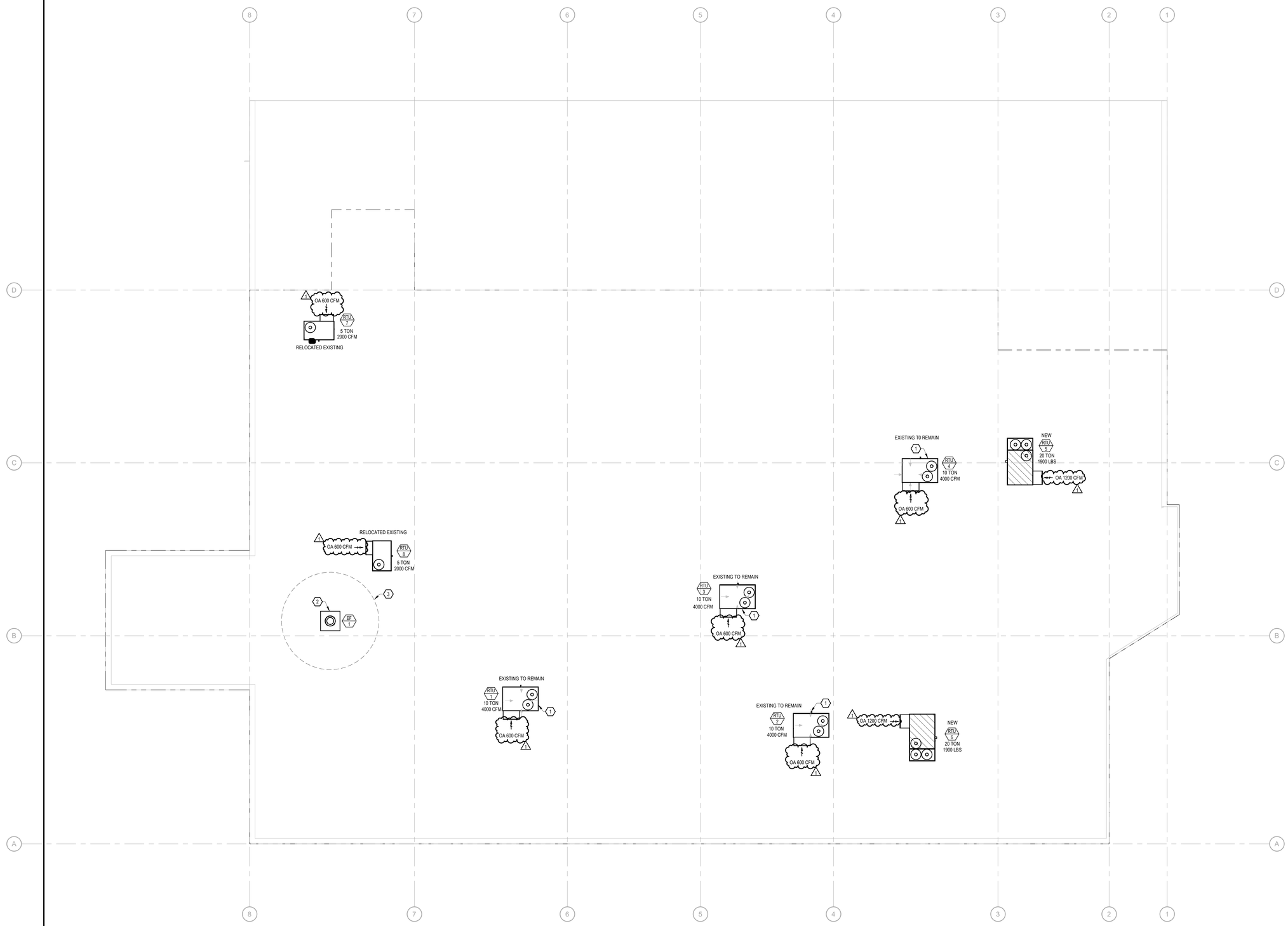
PROJECT NUMBER
NORMAN, OK

SHEET TITLE
ENLARGED FLOOR PLAN - GROUND FLOOR

SHEET NUMBER
M201

NOTES BY SYMBOL - SHEET M202

NUMBER	DESCRIPTION
1	EXISTING ROOFTOP UNITS TO REMAIN. ENSURE EQUIPMENT IS IN PROPER WORKING ORDER AND SERVICE AS REQUIRED. REFER TO EXISTING MECHANICAL EQUIPMENT NOTES ON M400 FOR FURTHER INFORMATION. COORDINATE THERMOSTAT LOCATION AND MOUNTING HEIGHT IN FIELD AND WITH ARCHITECTURAL DRAWINGS PRIOR TO BID. REBALANCE OUTSIDE AIR AND EXHAUST AIR TO VALUES SHOWN IN AIR BALANCE SCHEDULES. VERIFY PRESENCE OF DUCT SMOKE DETECTORS. PROVIDE IF ABSENT. SMOKE DETECTORS SHALL BE WIRED TO SHUT DOWN RTU'S IN THE EVENT OF SMOKE IS DETETED. PROVIDE HAIL GUARD ON ALL UNITS.
2	PROVIDE ROOF-MOUNTED EXAUST FANS PER SCHEDULE. PROVIDE ALL NECESSARY SUPPORTS, ACCESSORIES, AND APPURTENANCES REQUIRED FOR A COMPLETE INSTALLATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXACT LOCATIN IN FIELD PRIOR TO BID. G.C. TO CUT AND PATCH ROOF AS REQUIRED. SEAL ALL PENETRATIONS AIR-AND WATERTIGHT. REFER TO DETAIL ON SHEET M300 FOR FURTHER INFORMATION. MAINTAIN ALL CODE REQUIRED CLEARANCES, INCLUDING MINIMUM OF 10'-0" CLEARANCE FROM ALL OUTSIDE AIR INTAKES.
3	DASHED LINES INDICATING 10'-0" CLEARANCE FROM ALL OUTSIDE AIR INTAKES.
4	PROVIDE PRIMEXVENTS RC-28 ROOF CAP. EXHAUST DUCT TO BE VENTED TO ROOF ABOVE. REFER TO DETAIL 12 (DRYER VENT DETAIL) ON SHEET M300 FOR MORE INFORMATION.



1 M202 MECHANICAL ROOF PLAN - NEW
1/8" = 1'-0"

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Architectural Partners
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REMODEL

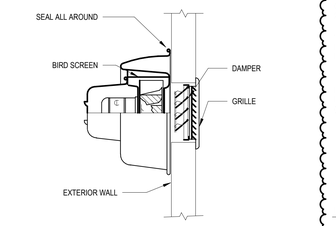
PROJECT NAME
SLICK CITY

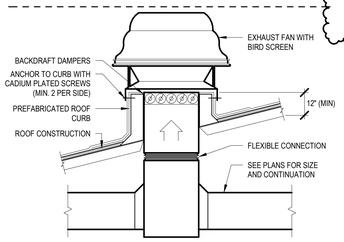
NORMAN, OK

PROJECT NUMBER
NORMAN, OK

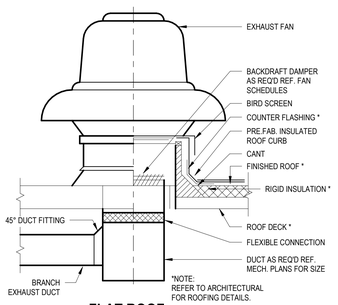
SHEET TITLE
MECHANICAL FLOOR PLAN - ROOF

SHEET NUMBER
M202

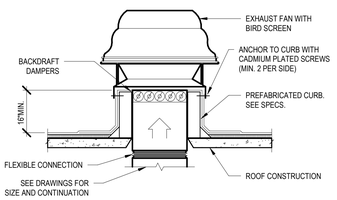




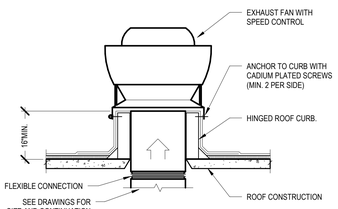
SLOPE ROOF - DOWNBLAST



FLAT ROOF - DOWNBLAST

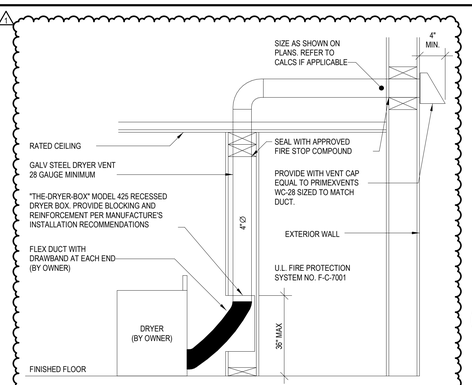


FLAT ROOF - DOWNBLAST

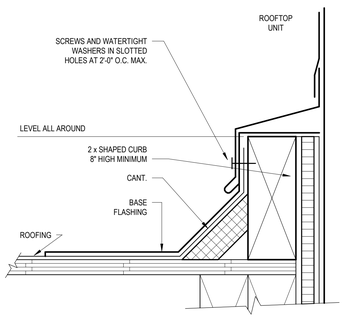


FLAT ROOF - UPBLAST

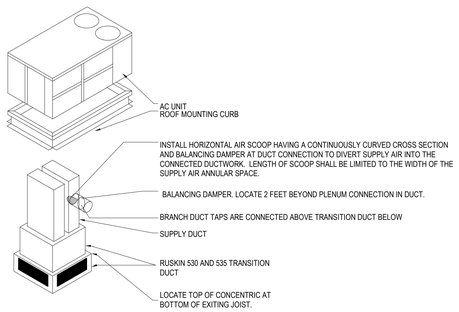
9 EXHAUST FAN DETAIL
M300 NTS



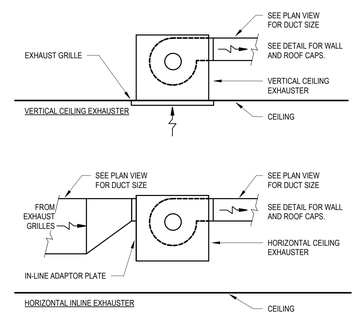
12 DRYER EXHAUST DETAIL
M300 NTS



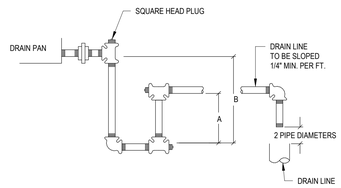
11 ROOFTOP UNIT CURB DETAIL
M300 NOT TO SCALE



10 CONCENTRIC DIFFUSER DETAIL
M300 6" = 1'-0"

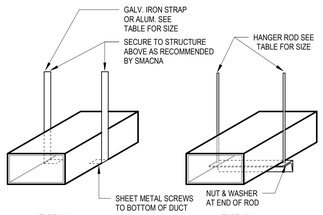


8 INLINE EXHAUSTER DETAIL
M300 NOT TO SCALE



NOTES:
1. FILL TRAP MANUALLY ON INITIAL START-UP.
2. TRAP EACH COMPONENT DRAIN CONNECTION.
3. PIPE SIZE SHALL NOT BE LESS THAN DRAIN PAN CONNECTION SIZE.
4. A = NEGATIVE OR POSITIVE S.P. ON THE DRAIN PAN + 2" B = (2 NEGATIVE S.P.) + 4" FOR DRAW THRU UNITS B = A + 2" FOR BLOW THRU UNITS

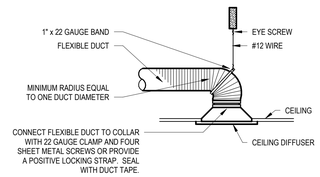
14 CONDENSATE DRAIN TRAP PIPING DETAIL
M300 NOT TO SCALE



DUCT HANGER SCHEDULE					
DUCT SIZE (INCH)	TYPE OF HANGER	HANGER SPACING (FT)	STRAP SIZE	ROD SIZE (INCH)	ANGLE FOR BRACING
UP TO 12	A	8'-0"	1"x16GA	N.A.	N.A.
13 TO 18	A	8'-0"	1"x16GA	N.A.	N.A.
19 TO 30	A/B	8'-0"	1"x16GA	1/4"	1-1/2"x1-1/2"x1/8"
31 TO 42	B	8'-0"	N.A.	1/4"	1-1/2"x1-1/2"x1/8"
43 TO 54	B	8'-0"	N.A.	1/4"	1-1/2"x1-1/2"x1/8"
55 TO 60	B	8'-0"	N.A.	1/4"	1-1/2"x1-1/2"x1/8"
61 TO 84	B	8'-0"	N.A.	1/4"	1-1/2"x1-1/2"x3/16"
85 TO 96	B	8'-0"	N.A.	1/4"	1-1/2"x1-1/2"x3/16"
OVER 96	B	8'-0"	N.A.	3/8"	2"x2"x1/4"

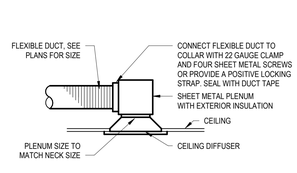
NOTES:
1. FOR SEVERAL DUCTS ON ONE HANGER, TYPE "B" MAY BE USED. SIZE OF HANGER WILL BE SELECTED ON THE SUM OF DUCT WIDTHS EQUAL TO MAX WIDTH OF DUCT SCHEDULE.
2. ON TYPE "A" HANGER, PROVIDE 3 HANGERS AT EACH TAKE-OFF OR BRANCH.

7 DUCT SUPPORT DETAIL
M300 NTS



NOTE:
NORMALLY USED WHEN FULL RADIUS ELBOW IN FLEX DUCT CAN BE ACHIEVED.

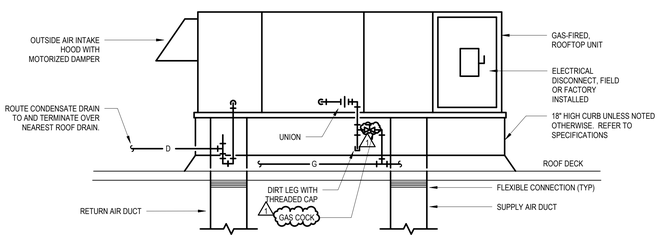
DIFFUSER DETAIL - OPTION #1



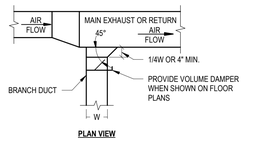
NOTE:
USED WHEN NORMAL RADIUS ELBOW CAN'T BE ATTACHED AS SHOWN IN OPTION #1.

DIFFUSER DETAIL - OPTION #2

5 TYPICAL DIFFUSER AND GRILLE CONNECTIONS
M300 1/2" = 1'-0"

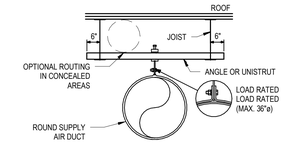


4 ROOFTOP UNIT DETAIL
M300 NTS

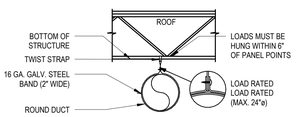


PLAN VIEW

13 EXHAUST OR RETURN BRANCH DUCTOWRK DETAIL
M300 NOT TO SCALE



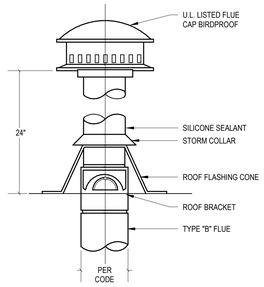
PARALLEL TO STRUCTURE



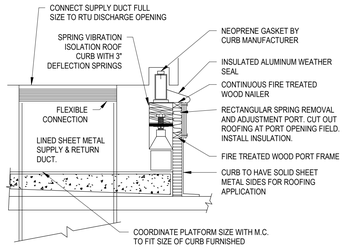
PERPENDICULAR TO STRUCTURE

NOTE:
FOR DUCTS LARGER THAN 36"ø, USE TWO HANGER RODS, WIRES OR STRAPS TO SUPPORT DUCT FROM EACH SIDE.

6 DUCTWORK SUPPORT DETAIL
M300 NOT TO SCALE

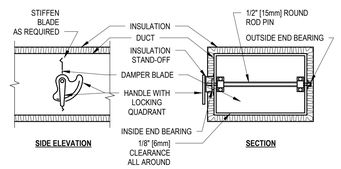


15 FLUE PIPE TERMINATION DETAIL
M300 NOT TO SCALE



NOTE:
1. ROOF CURB TO FUNCTION AS A RETURN AIR PLENUM.

3 ROOFTOP VIBRATION ISOLATION CURB DETAIL
M300 NOT TO SCALE



NOTE:
1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLAD DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI- BLADE DAMPERS & ROUND DAMPERS.

2 VOLUME DAMPER DETAIL
M300 NOT TO SCALE

BRANCH TAKE-OFF RECTANGULAR TO RECTANGULAR	L= .25D (4"MIN.) 45° D L	BRANCH TAKE-OFF RECTANGULAR TO ROUND	L= .25D (4" MIN.) D L
BRANCH TAKE-OFF ROUND TO ROUND	L= 5.25 IN. L	TRANSITION FITTING	20° 30°
STANDARD ELBOW	D R R = 1 x D (MIN.)	TEE	R L D R = 1 x D (MIN.)
SHORT ELBOW	VANE S R IF R IS LESS THAN W THEN S = 1/3 W	SHORT TEE	W 1/3W
SINGLE DIRECTION TRANSITION USE SIMILAR TRANSITION WHEN FEEDING UP TO CEILING CAVITY	FLOOR DROP CEILING	SPLIT DIRECTION TRANSITION USE SIMILAR TRANSITION WHEN FEEDING UP TO CEILING CAVITY	FLOOR DROP CEILING

1 TYPICAL DUCT TAKE-OFFS DETAIL
M300 NOT TO SCALE

Apogee Architectural Partners
A Dpirit Led Company
16775 ADDISON ROAD, SUITE 500
ADDISON, TX 75001
PH: (469) 960-2322

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION
1	08/10/26	City Comments

PROFESSIONAL SEAL

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REMODEL

PROJECT NAME
SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
MECHANICAL DETAILS

SHEET NUMBER
M300

MINIMUM METAL GAGES

CONSTRUCTION DETAILS FOR RECTANGULAR SHEET METAL DUCTS FOR STATIC AIR PRESSURES UP TO 2" WC

STEEL-U.S. STANDARD INCHES (GAGE)	ALUMINUM B. & S. INCHES (GAGE)	COPPER COLD ROLLED	DUCT DIMENSIONS (IN INCHES)	PERMISSIBLE GIRTH JOINTS AND LONGITUDINAL SEAMS
0.019 (26)	0.020 (24)	16 OZ.	UP THROUGH 12	DRIVE SLIP, PLAIN "S" SLIP, OR 1" POCKET LOCK
0.024 (24)	0.025 (22)	24 OZ.	19 THROUGH 30	HEMMED "S" SLIP, 1" BAR SLIP, OR 1" POCKET LOCK ON 5' CENTERS HEMMED "S" SLIP, 1" BAR SLIP, OR 1" POCKET LOCK ON 10' CENTERS WITH 1"x1"x1/8" ANGLES ON CENTER LINE BETWEEN HEMMED "S" SLIP, 1" BAR SLIP, OR 1" POCKET LOCK ON 10' CENTERS WITH CROSS BREAK 1" STANDING SEAM ON 5' CENTERS
0.030 (22)	0.032 (20)	32 OZ.	31 THROUGH 42	BAR SLIP, REINFORCED BAR SLIP, OR POCKET LOCK ON 5' CENTERS 1 BAR SLIP, REINFORCED BAR SLIP, OR POCKET LOCK ON 10' CENTERS WITH 1"x1"x1/8" ANGLES ON CENTER LINE BETWEEN 1" STANDING SEAM ON 5' CENTERS INSIDE LONGITUDINAL STANDING SEAMS WITH 1"x1"x1/8" ANGLES ON 5' CENTERS ON EXTERIOR
			43 THROUGH 54	1-1/2" BAR SLIP, REINFORCED BAR SLIP, OR POCKET LOCK ON 4' CENTERS 1-1/2" BAR SLIP, REINFORCED BAR SLIP, OR POCKET LOCK ON 8' CENTERS WITH 1-1/2"x1-1/2"x1/8" ANGLES ON CENTER LINE BETWEEN 1" STANDING SEAM ON 5' CENTERS 1-1/2" BAR SLIP, REINFORCED BAR SLIP, OR POCKET LOCK ON 4' CENTERS WITH CROSS BREAK
0.036 (20)	0.040 (18)	36 OZ.	55 THROUGH 60	1-1/2" STANDING SEAM ON 3' CENTERS INSIDE LONGITUDINAL STANDING SEAMS WITH 1-1/2"x1-1/2"x1/8" ANGLES ON 4' CENTERS ON EXTERIOR
0.036 (20)	0.040 (18)	36 OZ.	61 THROUGH 84	REINFORCED BAR SLIP, ANGLE SLIP, OR ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK ON 4' CENTERS USING 1-1/2"x1-1/2"x1/8" REINFORCING ANGLES AND WITH 1-1/2"x1-1/2"x1/8" ANGLES ON CENTER LINE BETWEEN REINFORCED BAR SLIP, ANGLE SLIP, OR ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK ON 8' CENTERS USING 1-1/2"x1-1/2"x1/8" REINFORCING ANGLES AND WITH 1-1/2"x1-1/2"x1/8" ANGLES ON 2' ON CENTERS IN BETWEEN 1-1/2" ANGLE REINFORCED STANDING SEAM ON 2' CENTERS USING 1-1/2"x1-1/2"x1/8" REINFORCING ANGLES INSIDE LONGITUDINAL STANDING SEAM WITH 1-1/2"x1-1/2"x1/8" ANGLES ON 2' CENTERS ON EXTERIOR
0.047 (18)	0.050 (16)	48 OZ.	85 THROUGH 96	COMPANION ANGLES, ANGLE SLIP, OR ANGLE REINFORCED POCKET LOCK USING 1-1/2"x1-1/2"x3/16" COMPANION OR REINFORCING ANGLES ON 4' CENTERS WITH 1-1/2"x1-1/2"x3/16" ANGLES ON CENTER LINE BETWEEN COMPANION ANGLES, ANGLE SLIP, OR ANGLE REINFORCED POCKET LOCK USING 1-1/2"x1-1/2"x3/16" COMPANION OR REINFORCING ANGLES ON 8' CENTERS WITH 1-1/2"x1-1/2"x3/16" ANGLES ON 2' CENTERS IN BETWEEN 1-1/2" ANGLE REINFORCED STANDING SEAM ON 2' CENTERS USING 1-1/2"x1-1/2"x3/16" REINFORCING ANGLES INSIDE LONGITUDINAL STANDING SEAM WITH 1-1/2"x1-1/2"x3/16" ANGLES ON 2' CENTERS ON EXTERIOR
0.047 (18)	0.050 (16)	48 OZ.	OVER 96	COMPANION ANGLES, ANGLE SLIP, OR ANGLE REINFORCED POCKET LOCK USING 2"x2"x1/4" COMPANION OR REINFORCING ANGLES ON 4' CENTERS WITH 2"x2"x1/4" ANGLES ON CENTER LINE BETWEEN COMPANION ANGLES, ANGLE SLIP, OR ANGLE REINFORCED POCKET LOCK USING 2"x2"x1/4" COMPANION OR REINFORCING ANGLES ON 8' CENTERS WITH 2"x2"x1/4" ANGLES ON 2' ON CENTER LINE IN BETWEEN 1-1/2" ANGLE REINFORCED STANDING SEAM ON 2' CENTERS USING 2"x2"x1/4" REINFORCING ANGLES INSIDE LONGITUDINAL STANDING SEAMS WITH 2"x2"x1/4" ANGLES ON 2' CENTERS ON EXTERIOR

FOR PRESSURES IN EXCESS OF 2-INCH WATER COLUMN, DUCT WALL THICKNESS SHALL BE TWO GAGES HEAVIER THAN SET FORTH IN THIS TABLE DUCT SPECIFICATIONS SHOWN HERE ARE APPLICABLE WHEN DUCTS LARGER THAN 18 INCHES ARE CROSS BROKEN. WHERE CROSS BREAKING IS NOT USED, DUCT WALL THICKNESS SHALL BE TWO GAGES HEAVIER ON DUCTS 19 INCHES THROUGH 60 INCHES WIDE, UNLESS LONGITUDINAL STANDING SEAMS ARE USED.

DUCT INSULATION REQUIREMENTS

MINIMUM DUCT INSULATION R-VALUE a, COMBINED HEATING AND COOLING SUPPLY AND RETURN DUCTS.

	DUCT LOCATION					
CLIMATE ZONE	EXTERIOR	VENTILATED ATTIC	UNVENTED ATTIC ABOVE INSULATED CEILING	UNVENTED ATTIC W/ ROOF INSULATION a	UNCONDITIONED SPACE b	CONDITIONED SPACE c
SUPPLY DUCTS						
3	R-6	R-6	R-6	R-6	R3.5	1" LINER
RETURN DUCTS						
1 TO 8	R-3.5	R-3.5	R-3.5	NONE	R-3.5	1" LINER

a. INSULATION R-VALUES ARE FOR THE INSULATION AS INSTALLED AND DO NOT INCLUDE FIRE RESISTANCE. THE REQUIRED MINIMUM THICKNESSES DO NOT CONSIDER WATER VAPOR TRANSMISSION AND POSSIBLE SURFACE CONDENSATION. WHERE EXTERIOR WALLS ARE USED AS PLENUM WALLS, WALL INSULATION SHALL BE AS REQUIRED BY THE MOST RESTRICTIVE CONDITION OF APPLICABLE CODES.
b. INCLUDES CRAWLSPACES, BOTH VENTILATED AND NONVENTILATED.
c. INCLUDES RETURN AIR PLENUMS WITH OR WITHOUT EXPOSED ROOFS ABOVE.

NOTES:

1. REGARDLESS OF THE THICKNESS SPECIFIED, THE INSULATION SHALL MEET THE REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE AND ASHRAE 90.1
2. DIMENSIONS SHOWN ON PLANS ARE AIRSTREAM DIMENSIONS, METAL SIZE FOR LINED DUCTWORK WILL BE LARGER THAN DIMENSION SHOWN.
3. USE MATERIALS ONLY AS APPROVED BY AUTHORITIES HAVING JURISDICTION.
4. ALL MATERIALS USED SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 WITHOUT EVIDENCE OF CONTINUOUS PROGRESSIVE COMBUSTION, AND WITH A SMOKE DEVELOPED RATING OF NOT HIGHER THAN 50. SHOP DRAWING SUBMITTALS SHALL SHOW THIS INFORMATION.
5. ACCOUSTIC INSULATION ON FIRST 15' OF DUCT SHALL NOT RELIEVE INSULATION REQUIREMENT FOR FIRST 15'.

APPLICATION NOTES:

A. ALL PLENUMS SHALL BE INSULATED AS REQUIRED FOR DUCTWORK.
B. JOINTS SHALL BE LAPPED 6 INCHES IN BOTH DIRECTIONS, SEALED WITH APPROVED MASTIC APPLIED OVER EACH JOINT AND SECURED IN PLACE. WHEN WRAPPED INSULATION MEETS LINED DUCTS OVERLAP THE INSULATION TYPES 24 INCHES.
C. INSULATION SHALL BE INSTALLED IN A VAPOR-TIGHT MANNER AND MAY BE FASTENED WITH THE USE OF STAPLES OR OTHER FASTENING MATERIAL AS RECOMMENDED BY INSULATION MANUFACTURER PROVIDED THE FASTENERS ARE COVERED WITH MASTIC OR SMACNA TAPE.
D. WHERE RECTANGULAR DUCTS ARE 24" IN WIDTH OR GREATER, DUCT WRAP INSULATION SHALL BE ADDITIONALLY SECURED TO THE BOTTOM OF THE DUCT WITH MECHANICAL FASTENERS SUCH AS PINS AND SPEED CLIP WASHERS, SPACED 14" ON CENTERS (MAXIMUM) TO PREVENT SAGGING OF INSULATION.
E. SEAL ALL TEARS, PUNCTURES AND OTHER PENETRATIONS OF THE DUCT WRAP INSULATION FACING WITH TAPE OR MASTIC TO PROVIDE A VAPOR TIGHT SEAL.
F. WHERE INDICATED TO BE LINED, DUCTWORK SHALL BE INSULATED INTERNALLY, RATHER THAN EXTERNALLY. R-VALUES MUST BE EQUAL.
G. FOR INTERNAL INSULATION, APPLY INSULATION TO INSIDE OF DUCTS AND PLENUMS WITH FIRE RETARDANT ADHESIVE WITH FACED SIDE EXPOSED TO AIR STREAM. FORM LONGITUDINAL JOINTS IN CORNERS OF DUCT OR PLENUM ONLY. TIGHTLY BUTT JOINTS TOGETHER AND SIZE WITH FIRE-RETARDANT ADHESIVE TO PROVIDE A SMOOTH SURFACE. IN DUCTS AND PLENUMS WITH ONE SIDE MORE THAN 24", SECURE INSULATION WITH ADHERED WITH WELDED MECHANICAL FASTENERS IN ADDITION TO ADHESIVE, FASTENERS SPACED AT 14" CENTERS IN BOTH DIRECTIONS.

UNIT HEATER SCHEDULE

DESIGNATION	UH-1, 2
SERVES	STORAGE
C.F.M.	350
KW	5
AMPS	24
VOLTS/PHASE	208/1
CONTROLS	24V
MANUFACTURER	QMARK
MODEL #	MUH-0581
WEIGHT (LBS)	27 (W/ BRACKET)
REMARKS	

NOTES:
1. MOUNT PER MANUFACTURER'S GUIDELINES.
2. CONSULT OWNER FOR FINAL LOCATION OF THERMOSTATS.
3. OR APPROVED EQUAL.

VENTILATION AIR SCHEDULE

OCCUPANCY CLASSIFICATION	≈AREA (SF)	OCCUPANT DENSITY	CFM / OCCUPANT	CFM / AREA	EXHAUST AIRFLOW	MIN. CFM REQUIRED	MIN. CFM PROVIDED
102 - EXERCISE	16866	169	20	1012	-	4392	4400
103 - OFFICE	141	1	5	8	-	13	15
104 - STORAGE	148	-	-	9	-	9	10
105 - SNACK BAR	440	26	5	26	600	156	160
106 - PREP AREA	375	38	7.5	23	600	308	310
107 - HALLWAY	167	1	5	10	-	15	20
108 - WOMEN'S RR	265	-	-	16	375	16	20
109 - MEN'S RR	265	-	-	16	375	16	20
110 - STORAGE	602	-	-	36	-	36	40
111 - BREAK	107	1	5	6	-	11	15
112 - CORRIDOR	94	-	-	6	-	6	10
113 - EXIT	73	-	-	-	-	-	-
114 - STORAGE	529	-	-	-	-	-	-
115 - JANITOR	51	-	-	-	-	-	-
TOTAL	20123				1950	4978	5020

AIR BALANCE SCHEDULE

MARK	SUPPLY AIR - CFM	RETURN AIR - CFM	OUTSIDE AIR - CFM	EXHAUST AIR - CFM	PRESSURE
(X) RTU 1	4000	3500	500	0	+500
(X) RTU 2	4000	3500	500	0	+500
(X) RTU 3	4000	3500	500	0	+500
(X) RTU 4	4000	3500	500	0	+500
RTU 5	8000	6600	1400	0	+1,400
RTU 6	8000	6600	1400	0	+1,400
(X) RTU-7	2000	1890	110	0	+110
(X) RTU-8	2000	1890	110	0	+110
EF-1				1950	-1950
EF-2				50	-50
SUB-TOTAL	36000	30980	5020	2000	+3,020
BUILDING TOTAL	36000	30980	5020	2000	+3,020

NOTES:

1. A COMPLETE TEST AND AIR BALANCE SHALL BE PERFORMED ON ALL AIR DISTRIBUTION EQUIPMENT. THE TEST AND BALANCE SHALL BE PERFORMED BY AN INDEPENDENT, FULLY CERTIFIED TAB AGENCY THAT SPECIALIZES IN THE TESTING AND BALANCING OF AIR AND HYDRONIC SYSTEMS. THE TAB AGENCY SHALL SUBMIT TO THE OWNER (6) COPIES OF A WRITTEN REPORT WITHIN 10 DAYS AFTER THE INSPECTION IS COMPLETE. LIST ALL COMPLAINTS AND MALFUNCTIONS ENCOUNTERED AND INDICATE STEPS TAKEN TO CORRECT.
2. THE TAB AGENCY TO BE AABC CERTIFIED.

EXISTING ROOFTOP UNIT SCHEDULE

DESIGNATION	EXISTING RTU 1	EXISTING RTU 2	EXISTING RTU 3	EXISTING RTU 4	EXISTING RTU 7	EXISTING RTU 8
SERVES	SLICK CITY	SLICK CITY	SLICK CITY	SLICK CITY	RELOCATED	RELOCATED
C.F.M.	4000	4000	4000	4000	2000	2000
E.S.P. (IN. W.G.)	0.8	0.8	0.8	0.8	0.8	0.8
O.A. C.F.M. (MIN.)	600	600	600	600	600	600
COOLING COIL						
TOTAL CAPACITY (MBH)	120.0	120.0	120.0	120.0	60.0	60.0
SENSIBLE CAPACITY (MBH)	86.4	86.4	86.4	86.4	43.2	43.2
ENTERING AIR (DB/WB °F)	80/67	80/67	80/67	80/67	80/67	80/67
LEAVING AIR (DB/WB °F)	59/57	59/57	59/57	59/57	59/57	59/57
HEATING						
TEMPERATURE RISE RANGE	40-70	40-70	30-60	40-70	30-60	30-60
GAS INPUT/OUTPUT (MBH)	240/192	240/192	180/144	240/192	108/86.4	108/86.4
COMPRESSOR						
NO. OF COMPRESSORS	2	2	2	2	1	1
TYPE	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
FILTERS	2" MERV 8	2" MERV 8	2" MERV 8	2" MERV 8	2" MERV 8	2" MERV 8
ELECTRICAL						
VOLTAGE/PHASE	208/3	208/3	208/3	208/3	208/3	208/3
MINIMUM CIRCUIT AMPS	61	61	61	61	14	14
MAX. OVERCURRENT PROTECTION	70	70	70	70	20	20
ECONOMIZER	DRY BULB	DRY BULB	DRY BULB	DRY BULB	DRY BULB	DRY BULB
MANUFACTURER	LENNOX	LENNOX	LENNOX	LENNOX	LENNOX	LENNOX
MODEL NO.	KGA120S4BH3Y	KGA120S4BH3Y	KGA120S4BM3Y	KGA120S4BH3Y	ZGA060S4BM1Y	ZGA060S4BM1Y
SEER2/EER/IEER	-/11.0/12.7	-/11.0/12.7	-/11.0/12.7	-/11.0/12.7	13/10.7/-	13/10.7/-
NOMINAL TON.	10	10	10	10	5	5
WEIGHT	1293	1293	1293	1293	550	550
REMARKS	SINGLE POINT CONNECTION					

NOTES:
1. EXTERNAL S.P. DOES NOT ALLOW FOR WET COIL AND DIRTY FILTER.
2. PROVIDE BAROMETRIC RELIEF FOR ALL UNITS WITH MOTORIZED DAMPERS AND ECONOMIZERS.
3. PROVIDE AIR DUCT SMOKE DETECTORS FOR ALL UNITS, PER PLAN. PROVIDE REMOTE TEST AND RESET FOR SMOKE DETECTORS.
4. ALL UNITS TO BE BELT DRIVE OR VARIABLE SPEED.
5. PROVIDE HAIL GUARDS ON ALL UNITS.

GENERAL CONTRACTOR SHALL OBTAIN OWNERS/ENGINEERS APPROVAL FOR ALL NEW OR REPLACEMENT UNITS AND EQUIPMENT TO BE ATTACHED TO OR TO BE SET ON THE ROOF PRIOR TO PERFORMING ANY WORK.

AIR DEVICE SCHEDULE

DESIGNATION	A	B	C	D	E
MODULE SIZE	24"x24"	24"x24"	SEE PLAN	SEE PLAN	24"x24"
NECK SIZE	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN
FLOW RATE (CFM)	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN
NECK VELOCITY (FPM)	700 MAX.	700 MAX.	700 MAX.	400 MAX.	700 MAX.
N.C. LEVEL	18 MAX.	18 MAX.	18 MAX.	-	18 MAX.
MANUFACTURER	TITUS	TITUS	TITUS	RUSKIN	TITUS
MODEL NO.	TMS	PAR	350RL	NOTE 8	PAR
DESCRIPTION	SUPPLY DIFFUSER	PERFORATED RETURN DIFFUSER	TRANSFER RETURN	CONCENTRIC SUPPLY / RETURN DIFFUSER	EXHAUST DIFFUSER
REMARKS	-	-	-	-	-

NOTES:
1. MOUNTING FRAMES SHALL BE COMPATIBLE WITH CEILING TYPE.
2. PROVIDE OPPOSED BLADE DAMPER.
3. PROVIDE OFF WHITE FINISH.
4. ALL CEILING DIFFUSERS ARE 4-WAY DISCHARGE, UNLESS OTHERWISE INDICATED ON PLANS.
5. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. DUCT RUNOUTS ARE SAME SIZE AS AIR DEVICE NECK NOTED ON PLAN.
7. OR APPROVED ALTERNATE. ALTERNATE EQUIPMENT SUBMITTAL SHALL INCLUDE A CROSS REFERENCE GUIDE FOR APPROVAL.
8. 0-2000 CFM = RUSKIN 530-16
   2000-4000 CFM = RUSKIN 530-22
   4000-8000 CFM = RUSKIN 530-80

NEW HEAT PUMP SCHEDULE

	DESIGNATION	RTU 5, RTU 6
	NOMINAL TONS	20
	FAN C.F.M.	8000
	E.S.P. IN. W.G.	0.8
	O.A. C.F.M.	1600
COOLING COIL	TOTAL MBH	240
	EAT DB	80.0
	EAT WB	67
	LAT DB	59
	LAT WB	57.8
	SMBH	181.7
HEATING	KW	20
	STEPS	2
	HP CAPACITY MBH	191.2
	COP @ 47F	3.3
	SEER2 (IEER)	(12.5)
	EER2 (EER)	(9.5)
	FILTER	MERV 8
ELECTRICAL	VOLTS	208
	HZ	60
	PHASE	3
	MCA	40
	MOCP	45
	WEIGHT LBS (MAX)	1855
	COMPRESSOR	2/SCROLL
	REFRIGERANT	R454B
	MANUFACTURER	RHEEM
	MODEL	RHPH2T240ADG201

NOTES:
1. EXTERNAL S.P. DOES NOT ALLOW FOR WET COIL AND DIRTY FILTER.
2. PROVIDE BAROMETRIC RELIEF FOR ALL UNITS WITH MOTORIZED DAMPERS AND ECONOMIZERS.
3. PROVIDE AIR DUCT SMOKE DETECTORS FOR ALL UNITS, PER PLAN. PROVIDE REMOTE TEST AND RESET FOR SMOKE DETECTORS.
4. ALL UNITS TO BE BELT DRIVE OR VARIABLE SPEED.
5. PROVIDE HAIL GUARDS ON ALL UNITS.

GENERAL CONTRACTOR SHALL OBTAIN OWNERS/ENGINEERS APPROVAL FOR ALL NEW OR REPLACEMENT UNITS AND EQUIPMENT TO BE ATTACHED TO OR TO BE SET ON THE ROOF PRIOR TO PERFORMING ANY WORK.

FAN SCHEDULE

DESIGNATION	EF-1	EF-2
SERVES	PREP AREA SNACK BAR	JANITOR'S CLOSET
MOUNTING	ROOF	CEILING
TOTAL C.F.M.	1950	150
TOTAL S.P. (IN. W.G.)	0.5	0.5
MOTOR HP (WATTS)	0.3	(20)
DRIVE TYPE	DIRECT	DIRECT
VOLTAGE/PHASE	120/1	120/1
SONES / WEIGHT (LBS)	10.2 / 93	2.0 / 10
MANUFACTURER	GREENHECK	GREENHECK
MODEL NO.	CUE-160	SP-B90
ACCESSORIES	BD DAMPER BUILDING HOURS	BD DAMPER LOCAL SWITCH

NOTES:
1. MOUNT FAN PER MANUFACTURER'S RECOMMENDATIONS.
2. MAINTAIN CODE REQUIRED DISTANCE BETWEEN EXHAUST OUTLET AND OUTSIDE AIR INTAKES.
3. PROVIDE WITH SPEED CONTROL TO BE MOUNTED ON J-BOX ABOVE CEILING.
4. OR APPROVED EQUAL BY COOK.

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1	08/10/26	City Comments

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REMODEL

PROJECT NAME

SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
MECHANICAL SCHEDULES

SHEET NUMBER

M400

COMcheck Software Version 4.1.5.4

Mechanical Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	
Location:	Norman, Oklahoma
Climate Zone:	3a
Project Type:	New Construction

Construction Site:
1100 W Main St
Norman, OK 73069

Owner/Agent:

Designer/Contractor:
RTM Engineering Consultants
14901 Quorum Dr., Suite 565
Dallas, TX 75254

Additional Efficiency Package(s)

Credits: 1.0 Required 0.0 Proposed

Mechanical Systems List

Quantity	System Type & Description
1	RTU-5, RTU-6 (Single Zone): Single Package Heat Pump Heating Mode: Capacity = 191 kBtu/h, Proposed Efficiency = 3.30 COP, Required Efficiency = 3.20 COP Cooling Mode: Capacity = 240 kBtu/h, , Air Economizer Proposed Efficiency = 9.50 EER, Required Efficiency: 9.50 EER + 10.6 IEER Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP method) : Passes Fans: FAN 1 Supply, Constant Volume, 8000 CFM, 5.0 motor nameplate hp, 0.0 fan efficiency grade
1	EWH-1: Electric Storage Water Heater, Capacity: 119 gallons w/ Circulation Pump Proposed Efficiency: 0.53 SL, %/h (if > 12 kW), Required Efficiency: 0.53 SL, %/h (if > 12 kW)

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.4 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Chad Leleux, PE — Name - Title
Chad Leleux — Signature
6/3/26 — Date

COMcheck Software Version 4.1.5.4

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C103.2 [PR3][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C403.12.2 C403.12.3 [FO9][1]	Snow/ice melting system and freeze protection systems have sensors and controls configured to limit service for pavement temperature and outdoor temperature. future connection to controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.1, C404.6.2 [PL3][1]	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.3 [PL7][1]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.3 [PL7][1]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41][1]	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.8.4 [ME142][2]	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.8.5 [ME143][2]	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.12.1 [ME71][2]	Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.3 [ME55][2]	HVAC equipment efficiency verified.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Mechanical Systems list for values.*
C403.5.5 [ME113][2]	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.2 [ME59][1]	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.1 [ME59][1]	Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.2 [ME115][1]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.6 [ME141][1]	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.4 [ME57][1]	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.5 [ME116][1]	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.11.1 C403.11.2 [ME60][2]	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.5, C403.5.1, C403.5.2 [ME62][1]	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.5.3.3 [ME124][1]	Air economizers automatically reduce outdoor air intake to the design minimum outdoor air quantity when outdoor air intake will not reduce cooling energy usage. See Table C403.5.3.3 for applicable device types and climate zones.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.5.3.4 [ME125][1]	System capable of relieving excess outdoor air during air economizer operation to prevent overpressurizing the building. The relief air outlet located to avoid recirculation into the building.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.5.3.5 [ME126][1]	Return, exhaust/relief and outdoor air dampers used in economizers have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.7 for details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.3.3.2 [ME121][1]	Closed-circuit cooling tower within heat pump loop have either automatic bypass valve or lower leakage positive closure dampers. Open-circuit tower within heat pump loop have automatic valve to bypass all heat pump water flow around the tower. Open- or closed-circuit cooling towers used in conjunction with a separate heat exchanger have heat loss by shutting down the circulation pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat exchanger to isolate the cooling tower from the heat pump loop, and heat loss is controlled by shutting down the circulation pump on the cooling tower loop.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.4.1.4 [ME63][2]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C408.2.2.1 [ME53][1]	Air outlets and zone terminal devices have means for air balancing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.5, C403.5.1, C403.5.2 [ME123][1]	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.6 [EL26][2]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27][2]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8.2, C405.8.2.1 [EL28][2]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.9 [EL29][2]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

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REMODEL

PROJECT NAME

SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
MECHANICAL COMPLIANCE REPORT

SHEET NUMBER

M500

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.3 [FI8][1]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.2 [FI27][1]	HVAC systems and equipment capacity does not exceed calculated loads.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.4.1 [FI47][1]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.4.1.1 [FI42][1]	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1.2 [FI38][1]	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.4.1.3 [FI20][1]	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.4.2 [FI39][1]	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.4.2.1, C403.2.4.2.2 [FI40][1]	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.2.4.2.3 [FI41][1]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.3 [FI11][1]	Heat traps installed on supply and discharge piping of non-circulating systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.4 [FI25][1]	All piping insulated in accordance with section details and Table C403.11.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.1 [FI12][1]	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.1 [FI28][1]	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.3.1 [FI31][1]	HVAC equipment has been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.3.2 [FI10][1]	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.3.3 [FI32][1]	Economizers have been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.4 [FI29][1]	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.1 [FI7][1]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.3 [FI43][1]	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.4 [FI30][1]	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

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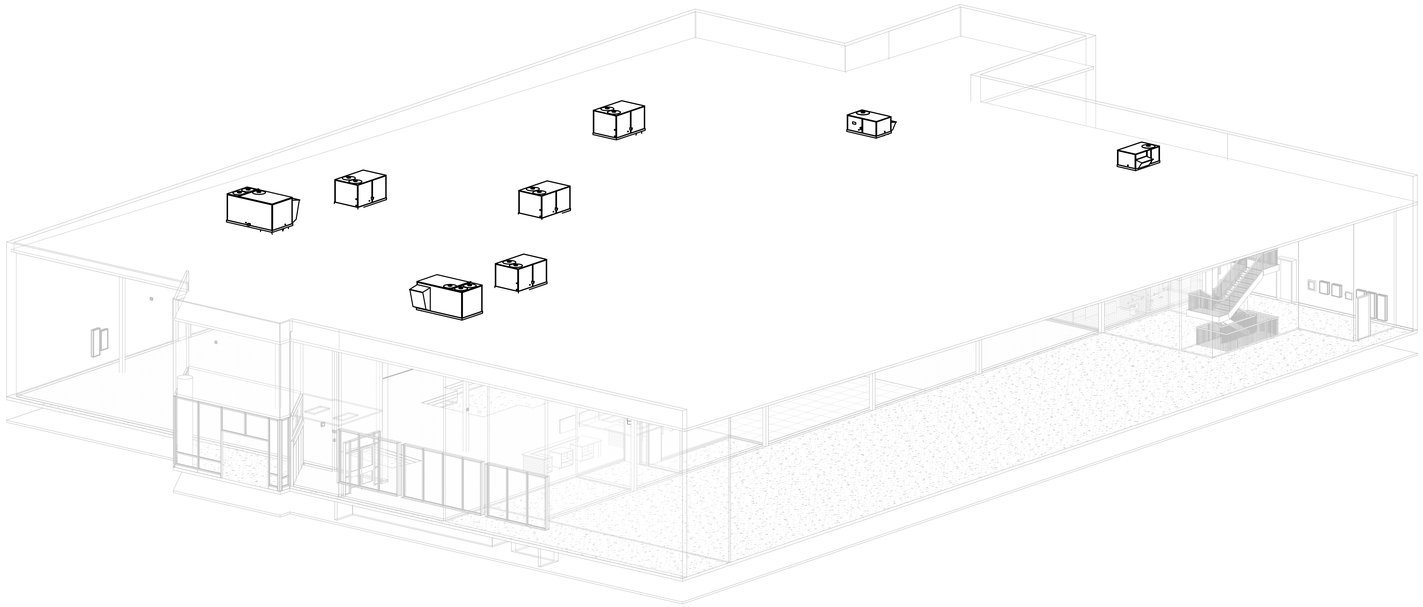
M501



1 M800 MECHANICAL 3-D VIEW

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SLICK CITY

NORMAN, OK

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NORMAN, OK

SHEET TITLE
MECHANICAL 3-D VIEW

SHEET NUMBER
M800

FOOD SERVICE EQUIP. NOTES

1. FOOD SERVICE EQUIPMENT AND FIXTURES FURNISHED BY AND INSTALLED BY OTHERS; REFERENCE ARCHITECTURAL AND FOOD SERVICE DRAWINGS FOR EQUIPMENT LOCATIONS AND REQUIREMENTS.
2. PROVIDE FINAL CONNECTIONS TO EQUIPMENT WITH SHUT-OFF VALVES, PRESSURE REGULATORS, VACUUM BREAKERS, BACKFLOW PREVENTERS, UNIONS (INSTALL UNION BETWEEN APPLIANCE AND SHUT-OFF), FLEXIBLE CONNECTORS, FILTERS, DIRT LEGS, TRAPS, STOP VALVES, ETC., AS SPECIFIED, AS REQUIRED BY CODE, AND AS NECESSARY TO COMPLETE AND OPERATING EQUIPMENT.
3. CONNECT WASTE LINES AND/OR EXTEND WASTE LINES TO FLOOR DRAINS WITH AIR GAP; CONNECT WATER SUPPLIES AND CONNECT GAS SUPPLIES.
4. COORDINATE WITH GENERAL CONTRACTOR, OWNER AND FOOD SERVICE EQUIPMENT SUPPLIER/CONTRACTOR FOR EQUIPMENT IDENTIFICATION, CONNECTION REQUIREMENTS, EXACT LOCATIONS AND MOUNTING HEIGHTS. REFER TO EQUIPMENT LITERATURE FOR FINAL EQUIPMENT CONNECTION SIZE; GAS, CW, HW, ETC.
5. PROVIDE BACKFLOW PREVENTER TO DRINK DISPENSER, COFFEE BREWER, ICE MACHINE, DISHWASHING MACHINE, CARBONATOR, PRE-RINSE SPRAYER, SOAP DISPENSER ETC., AS REQUIRED BY LOCAL CODE.
6. WHERE CHEMICAL DISPENSERS ARE INSTALLED, THEY SHALL BE ON A DEDICATED WATER SUPPLY WITH BACKFLOW PREVENTERS AS REQUIRED BY LOCAL CODE.

BACKFLOW PREVENTER NOTES

THE INSTALLATION OF EACH RP, RP DETECTOR, PVB AND SVB SHALL DISPLAY A DEPARTMENT ASSIGNED IDENTIFICATION NUMBER.

THE BACKFLOW PREVENTER SHALL BE INSTALLED SO THAT THE RELIEF VALVE OUTLET IS PROTECTED BY AN APPROVED AIR-GAP. THE DRAIN FROM THE RELIEF VALVE MUST DISCHARGE TO EITHER A FLOOR DRAIN OR AN APPROVED RECEPTOR. NO PART OF THE BACKFLOW PREVENTER MAY BE SUBMERGED UNDER ANY CIRCUMSTANCE.

RP, PVB, OR SVB'S SHALL NOT BE BY-PASSED. EXCEPT FOR REPAIR, THEY SHALL NOT BE MADE INOPERATIVE OR REMOVED WITHOUT DEPARTMENTAL APPROVAL.

PROVIDE WATTS BACKFLOW PREVENTER FOR MOP SINK, CARBONATOR, WATER FILTER, TEA MAKER, COFFEE MAKER, ICE MACHINE, ETC. AS REQUIRED BY HEALTH DEPARTMENT.

AN ATMOSPHERIC VACUUM BREAKER OR BACKFLOW PREVENTION DEVICE MUST BE INSTALLED ON ALL THREADED HOSE BIBBS INSIDE AND OUTSIDE THE ESTABLISHMENT.

TRAP PRIMER NOTES

TP PRECISION PLUMBING PRODUCTS PR-500, PRESSURE DROP OF 5 TO 10 PSI OPENS VALVE, OPERATING RANGE: 35 TO 75 PSIG, ALL BRASS BODY, INLET OPENING 1/2" MALE NPT, OUTLET 1/2" FEMALE NPT. SEE DETAIL.

WATER HAMMER NOTE:

BUILDING WATER SUPPLY SYSTEMS SHALL BE PROVIDED WITH AIR CHAMBERS OR APPROVED MECHANICAL DEVICES OR WATER HAMMER ARRESTORS TO ABSORB PRESSURE SURGES.

PLUMBING ABBREVIATIONS:

AD	AREA DRAIN
BFP	BACKFLOW PREVENTER
BP	BOOSTER PUMP
BTUH	BTU(S) PER HOUR
BV	BALANCING VALVE
CO2	CARBON DIOXIDE
CPVC	CHLORINATED PVC
CW	COLD WATER
CWFU	COLD WATER FIXTURE UNITS
CWR	COLD WATER RETURN
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNITS
DIA	DIAMETER
DS	DOWNSPOUT
DW	DISH WASHER
ES	EMERGENCY SHOWER
EVAC	WASTE ANESTHETIC GAS DISPOSAL
EW	EMERGENCY EYE WASH
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FRS	FLUSHING RIM SINK
FS	FLOOR SINK
GWH	GAS WATER HEATER
HB	HOSE BIBB
HD	HUB DRAIN
HS	HAND SINK
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNITS
HWR	HOT WATER RETURN
IWP	INDIRECT WASTE PIPE
KS	KITCHEN SINK
LA	LAB AIR
LAV	LAVATORY
LV	LABATORY VACUUM
MB	MOP BASIN
MBH	BTU PER HOUR (THOUSAND)
MV	MIXING VALVE
N	NITROGEN
NCP	NITROGEN CONTROL PANEL
ND	NOZZLE DRAIN
NG	NATURAL GAS
NO	NITROUS OXIDE
NPT	NATIONAL PIPE THREAD TAPERED
O	OXYGEN
PEX	CROSS LINKED POLYETHYLENE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
PVC	POLYVINYL CHLORIDE
PW	PURE WATER
RD	ROOF DRAIN
RDO	ROOF DRAIN OVERFLOW
S	SINK
SD	SHOWER DRAIN
SE	SEWAGE EJECTOR
SFU	SUPPLY FIXTURE UNIT
SH	SHOWER
SP	SUMP PUMP
SPR	STANDPIPE RECEPTOR
SS	SERVICE SINK
TD	TRENCH DRAIN
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
UR	URINAL
VA	VACUUM
W	WASTE PIPE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
WS	WATER SOFTENER
YCO	YARD CLEANOUT

GENERAL ABBREVIATIONS:

A/E	ARCHITECT/ENGINEER
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ALT	ALTERNATE
APPROX	APPROXIMATELY
ARCH	ARCHITECT
AVG	AVERAGE
BFG	BELOW FINAL GRADE
BLDG	BUILDING
CLG	CEILING
DEG.F, °F	DEGREES FAHRENHEIT
DIR	DIRECT
DISC	DISCONNECT
DN	DOWN
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION REFERENCE
EM	EMERGENCY
EP	EXPLOSION PROOF
EWC	ELECTRIC WATER COOLER
F	FLUSH
FBO	FURNISHED BY OTHERS
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLR	FLOOR
FP	FIRE PROTECTION
FS	FLOW SWITCH
GC	GENERAL CONTRACTOR
GRD	GROUND
GYP	GYPSUM BOARD
HVAC	HEATING & VENTILATING - AIR CONDITIONING
HVC	HEATING VENTILATING CONTRACTOR
HW	HEAVYWALL
ID	INDIRECT
IE	INVERT ELEVATION
IL	INTERLOCK
IU	IN UNIT
J-BOX	JUNCTION BOX
LG	LAY-IN GRID
LTG	LIGHTING
LV	LOW VOLTAGE
LVT	LINE VOLTAGE THERMOSTAT
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING CONTRACTOR
RM	ROOM
RQD	REQUIRED
SF	SQUARE FEET
SPEC	SPECIFICATION(S)
SURF	SURFACE
TS	TAMPER SWITCH
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE

PLUMBING FITTINGS:

45° ELBOW

CAP

90° ELBOW

ELBOW DOWN

ELBOW UP

TEE

TEE DOWN

TEE UP

LATERAL

UNION

FLEXIBLE CONNECTION

PIPE CONTINUATION

CLEANOUT (CO)

FLOOR CLEANOUT (FCO)

WALL CLEANOUT (WCO)

FLOOR SINK

XX DRAIN

XX DENOTES THE FOLLOWING
(AD) AREA DRAIN
(FD) FLOOR DRAIN
(HD) HUB DRAIN
(RD) ROOF DRAIN

PLUMBING VALVES:

SOLENOID VALVE

MODULATING 2-WAY VALVE

MODULATING 3-WAY VALVE

BALANCING VALVE

BALL VALVE

BUTTERFLY VALVE

CHECK VALVE

MIXING VALVE

FLOAT OPERATED VALVE

GATE VALVE

GLOBE VALVE

PLUG VALVE

PRESSURE REDUCING VALVE

SAFETY RELIEF VALVE

DOUBLE CHECK VALVE ASSEMBLY

RP REDUCED PRESSURE ZONE VALVE (RPZ)

DUAL CHECK VALVE WITH INTERMEDIATE ATMOSPHERIC VENT

PLUMBING SPECIALTIES:

AUTOMATIC AIR VENT

MANUAL AIR VENT

PRESSURE GAUGE

PS PRESSURE SWITCH

THERMOMETER

STRAINER, BLOW DOWN

STRAINER

EXPANSION LOOP

EXPANSION JOINT

WATER HAMMER ARRESTER

AQUASTAT

HOSE BIBB/ WALL HYDRANT

TRAP PRIMER

VB VACUUM BREAKER

SPV SPILL PROOF VACUUM BREAKER

PIPE SYSTEM LINETYPES:

PIPING OR EQUIPMENT TO BE REMOVED

PIPING OR EQUIPMENT TO REMAIN

IWP INDIRECT WASTE PIPE (IWP)

GRS GREY WASTE (GRS)

GR GREASE WASTE (GR)

CV CLEAR WATER VENT (CV)

AV ACID VENT (AV)

AW ACID WASTE (AW)

DT SUB-SOIL DRAINAGE (DT)

IRRG IRRIGATION (IRRIG)

GRW GREY WATER (GRW)

CA COMPRESSED AIR (CA)

CW(CITY) CITY COLD WATER (CW(CITY))

COLD WATER DOMESTIC (CW)

CWR COLD WATER RETURN (CWR)

SCW SOFT COLD WATER (SCW)

GW GARAGE WASTE (GW)

HOT WATER DOMESTIC (HW)

HOT WATER DOMESTIC RETURN (HWR)

NG NATURAL GAS (NG)

NPCW NON-POTABLE COLD WATER (NPCW)

OV OIL VENT (OV)

PD PUMP DISCHARGE (PD)

PW PURE WATER (PW)

SAN SANITARY (SAN)

ST STORM (ST)

STO STORM OVERFLOW (STO)

UNDERGROUND PIPING

V VENT (V)

PLUMBING TAGS:

MARK / X / X / NUMBER — PLUMBING EQUIPMENT TAG

RISER / X / NUMBER — RISER TAG

PIPE SIZE; ##" XX — PIPE DIMENSION TAG; SYSTEM ABBREVIATION

POINT OF NEW CONNECTION

POINT OF DISCONNECTION

VIEW NUMBER / REFERENCE; X | X — REFERENCE TAG; SHEET NUMBER

PLUMBING EQUIPMENT:

SEWAGE EJECTOR (SE)

BOOSTER PUMP (BP)

GAS FIRED WATER HEATER - EXTERNAL STORAGE (GWH)

GAS FIRED WATER HEATER - INTERNAL STORAGE (GWH)

ELECTRIC WATER HEATER - INTERNAL STORAGE (EWH)

GAS FIRED WATER HEATER - TANKLESS (GWH)

WATER METER

SEPARATOR/ INTERCEPTOR (SEE SCHEDULE FOR ABBREVIATION)

RECIRCULATION PUMP

EXPANSION TANK (ET)

SUMP PUMP (SP)

BACK WATER VALVE (BW)

GENERAL:

REFERENCE NOTE SYMBOL

DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION

DETAIL NUMBER / SHEET NUMBER — BUILDING ELEVATION

DETAIL NUMBER / SHEET NUMBER — CALLOUT BOUNDARY

DETAIL NUMBER / SHEET NUMBER — VIEW REFERENCE CALLOUT

+X' - X" MOUNTING HEIGHT DESIGNATION

PLUMBING GENERAL NOTES:

1. THESE PLANS ARE DIAGRAMMATIC IN NATURE SINCE THEY REFLECT ONLY THE AVAILABLE INFORMATION OBTAINED FROM SPECIFICATIONS, EXISTING PLANS AND FIELD SURVEYS. THE EXACT LOCATION OF EXISTING PIPING, AND EQUIPMENT MAY DEVIATE FROM THE LOCATION INDICATED ON THESE DRAWINGS. CONTRACTOR SHALL BE PREPARED TO MAKE SOME ALTERATIONS TO SERVICES TO FIT ACTUAL JOB CONDITIONS.
2. PIPING DRAWINGS ARE TO BE CONSIDERED SCHEMATIC AND ARE NOT INTENDED TO INDICATE ALL CHANGES IN DIRECTION. ALL NECESSARY FITTINGS TO BE FURNISHED AND INSTALLED BY CONTRACTOR. PIPE AND FITTINGS MUST BE INSTALLED SO THAT ALL PIPE AND/OR INSULATION COMPLETELY CLEARS ALL NEARBY STRUCTURES, PIPING AND ITEMS BY OTHER CONTRACTORS. ALL PIPE SIZES SHOWN ARE MINIMUMS.
3. CONTRACTOR SHALL VISIT SITE AND VERIFY EXACT LOCATION, CONDITION, ELEVATION AND SIZES OF UTILITIES AT SITE BEFORE SUBMITTING FINAL BID AND PROCEEDING WITH WORK. EXISTING SYSTEMS AND STRUCTURE SHALL BE INVESTIGATED FOR BEST POSSIBLE ROUTING OF PLUMBING SYSTEMS. ALL WORK SHALL BE CAREFULLY COORDINATED WITH ALL OTHER DISCIPLINES.
4. COORDINATE THE INSTALLATION OF ALL PIPING, VALVES, AND EQUIPMENT WITH GENERAL CONTRACTOR AND RELATED STRUCTURAL, MECHANICAL, ELECTRICAL AND FIRE PROTECTION CONTRACTORS.
5. ALL FIXTURES AND PIPING SHALL BE SIZED, VENTED, TRAPPED AND INSTALLED IN ACCORDANCE WITH CURRENT PLUMBING CODE.
6. PROTECT ALL ADJACENT AREAS DURING ALL PHASES OF CONSTRUCTION.
7. ANY HOLES LEFT IN WALL CONSTRUCTION, DUE TO WORK, SHALL BE PATCHED AND PAINTED BY CONTRACTOR TO MATCH CONSTRUCTED CONDITIONS. COORDINATE FINISH AND MATERIALS WITH ARCHITECT.
8. FURNISH AND INSTALL SUPPLY STOP SHUT-OFF VALVES ON ALL FIXTURE WATER SUPPLY LINES.
9. FURNISH AND INSTALL WATER HAMMER ARRESTORS PER PDI WH201 AND AS INDICATED ON PLANS.
10. INSTALL ALL VALVES IN PLUMBING SYSTEM IN ACCESSIBLE LOCATIONS. IF LOCATION IS NOT READILY ACCESSIBLE, COORDINATE ACCESS PANEL REQUIREMENTS WITH GENERAL CONTRACTOR PRIOR TO CONSTRUCTION.
11. FURNISH AND INSTALL CLEANOUT AT THE BASE, OR NO MORE THAN 4 FT ABOVE FLOOR OF ALL WASTE, SANITARY STACKS AND STORM RISERS.
12. VERIFY THAT ALL VALVES IN THE COLD AND HOT WATER SUPPLY PIPING ARE IN THE FULLY OPEN POSITION. VERIFY ALL BALANCING VALVES IN HOT WATER RETURN PIPING ARE OPEN AND ADJUSTED AS NOTED ON PLANS TO ENSURE PROPER CIRCULATION.
13. FURNISH AND INSTALL EQUIPMENT DRAINS FOR ALL PLUMBING EQUIPMENT (WATER HEATER, KITCHEN EQUIPMENT, ETC.) AND ROUTE TO THE NEAREST FLOOR DRAIN/FLOOR SINK. PROVIDE INDIRECT CONNECTION AT DRAIN AS REQUIRED.
14. ALL PIPING SHALL BE CONCEALED IN CHASE, WALL, CEILING, BELOW FLOOR, ETC. UNLESS OTHERWISE NOTED. PIPING SHOWN OUTSIDE OF WALLS FOR CLARITY ONLY.
15. REFER TO PLUMBING FIXTURE SCHEDULE FOR WASTE, VENT AND SUPPLY CONNECTION SIZES TO INDIVIDUAL FIXTURES.
16. EQUIPMENT AND FIXTURE SYMBOLOGY ON PLANS MAY NOT REFLECT ACTUAL TYPE. REFER TO SPECIFICATIONS FOR FIXTURE OR EQUIPMENT TYPE.
17. FIRE CAULK ALL PIPING PENETRATIONS THROUGH FIRE RATED PARTITIONS TO MAINTAIN FIRE RATING OF PARTITION. FIRESTOP ALL PENETRATIONS THROUGH FIRE-RATED FLOORS AND WALLS CREATED BY NEW WORK WITH "SPECSEAL SSS" OR EQUAL.
18. CAULK ALL PIPING PENETRATIONS THROUGH NON FIRE RATED WALLS TO MINIMIZE SOUND PENETRATION THROUGH WALLS.
19. FURNISH AND INSTALL CONCRETE EQUIPMENT PAD FOR ALL EQUIPMENT SUPPLIED BY THIS CONTRACTOR. PAD SHOULD BE A MINIMUM OF 4" THICK AND EXTEND 6" PAST EDGE OF EQUIPMENT IN ALL DIRECTIONS.
20. ALL ITEMS INCLUDED ON THESE DRAWINGS AND THE SPECIFICATIONS SHALL BE INCLUDED IN THE CONTRACTOR'S BID. ANY ITEMS THAT ARE UNCLEAR OR FOUND TO BE INCORRECT BY THE CONTRACTOR SHALL BE BROUGHT, IN WRITING, TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO THE BID DUE DATE.
21. INVERT ELEVATIONS ARE BASED ON FIRST FLOOR LEVEL BEING SET AT 100'-0".
22. STARTING ELEVATION FOR SANITARY SEWER PIPING SHALL BE NOT LESS THAN 1'-6" BELOW FINISHED FLOOR UNLESS NOTED OTHERWISE.
23. LOCATIONS OF FLOOR DRAINS, FLOOR SINKS, TRENCH DRAINS, ETC. INDICATED ON THESE DRAWINGS ARE CONSIDERED APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF FINAL AND EXACT LOCATIONS WITH ALL OTHER TRADES AND EQUIPMENT SUPPLIERS PRIOR TO INSTALLATION. DRAINS, ETC., NOT CORRECTLY LOCATED AS DETERMINED BY THE ARCHITECT/ENGINEER/OWNER, SHALL BE REMOVED AND RELOCATED AT THIS CONTRACTOR'S EXPENSE.
24. AREA ABOVE CEILINGS SERVES AS A RETURN AIR PLENUM. ALL MATERIALS EXPOSED IN THE PLENUM SHALL HAVE A 25/50 SMOKE/FLAME SPREAD RATING. NO PVC PIPING ALLOWED ABOVE CEILING. ALL SANITARY AND VENT PIPING ABOVE CEILING IN RETURN AIR PLENUMS SHALL BE CAST IRON. REFER TO HVAC PLANS FOR RETURN AIR PLENUM LOCATIONS.
25. MAKE ALL FINAL PLUMBING CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT NOTED ON PLANS.
26. ALL VTR'S SHALL BE LOCATED A MINIMUM OF 12'-0" FROM AIR INTAKES ON MECHANICAL ROOFTOP EQUIPMENT. COORDINATE WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
27. SAW CUTTING SLAB, EXCAVATION, BEDDING AND BACKFILL ASSOCIATED WITH BELOW SLAB PIPING REMOVAL AND INSTALLATION SHALL BE CONSIDERED PART OF THIS CONTRACTOR'S WORK. CONCRETE REPLACEMENT SHALL BE BY THE GENERAL CONTRACTOR.
28. ALL EXPOSED PLUMBING PIPING IN FINISHED ROOMS, OPEN TO STRUCTURE, SHALL BE PAINTED TO MATCH STRUCTURE. FOLLOW PAINT MANUFACTURER'S INSTRUCTIONS FOR PIPE SURFACE PREPARATION AND PAINT APPLICATION.
29. ALL EXPOSED PLUMBING PIPING IN FINISHED SPACES, LOCATED BELOW 7'-0" HIGH SHALL BE PROVIDED WITH A WHITE PVC JACKET.
30. VERIFY THAT REMOVAL OF THE PIPING NOTED FOR DEMOLITION DOES NOT ADVERSELY AFFECT ANY FIXTURES TO REMAIN AND THAT NO DEAD ENDS ARE LEFT IN PIPING.
31. OWNER SHALL BE GIVEN SALVAGE RIGHTS TO ALL PLUMBING FIXTURES AND EQUIPMENT INDICATED FOR REMOVAL. CONTRACTOR SHALL DISPOSE OF ALL UN-SALVAGED FIXTURES AND PIPING OFF-SITE IN AN ENVIRONMENTALLY ACCEPTABLE MANNER.
32. CEILING REMOVAL, STORAGE AND REPLACEMENT FOR PLUMBING WORK SHALL BE BY THE GENERAL CONTRACTOR.
33. WORK WHICH WILL INTERFERE WITH OPERATIONS OF THE PLUMBING SYSTEMS SERVING PORTIONS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION DURING CONSTRUCTION AND WILL REQUIRE DOWN TIME, SHALL BE COORDINATED WITH OWNER. TEMPORARY CONNECTIONS SHALL BE PROVIDED WHEN EXTENDED INTERRUPTIONS OF PLUMBING SERVICES ARE REQUIRED. COORDINATE WITH MAINTENANCE PERSONNEL AS TO SOURCE OF UTILITIES TO AREAS OF WORK. ALLOW 10 DAYS PRIOR TO ANTICIPATED INTERRUPTION OF SYSTEMS. WORK MAY BE REQUIRED TO BE PERFORMED OUTSIDE NORMAL WORKING HOURS.
34. THE FULL SET OF PROJECT PLANS SHALL BE READ IN CONJUNCTION WITH THE PLUMBING PLANS FOR ADDITIONAL INFORMATION. EACH SUBCONTRACTOR SHALL HAVE THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS. A FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.
35. ALL PIPE HANGERS, SUPPORTS AND APPURTENANCES SHALL BE REMOVED ALONG WITH PIPING WHICH IS NOTED FOR DEMOLITION.
36. CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH PROJECT'S PHASING SCHEDULE PRIOR TO COMMENCEMENT OF ANY WORK.
37. USE CAUTION WITH SAW-CUTTING THROUGH EXISTING CONCRETE FLOORS CONSTRUCTION FOR DEMOLITION OF EXISTING AND INSTALLATION OF NEW PLUMBING SYSTEMS TO AVOID CUTTING REBAR AT EDGE OF OPENING. LEAVE SUFFICIENT REBAR EXPOSED TO TIE NEW REINFORCING FOR REPLACEMENT CONCRETE AND/OR STRUCTURAL ATTACHMENTS FOR NEW CONSTRUCTION.
38. CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING PIPING IN RELATION TO NEW CEILING HEIGHTS AND MODIFY PIPE ROUTING AS REQUIRED TO ENSURE ALL PIPING, EXISTING AND NEW IN AREA OF WORK, IS LOCATED ABOVE CEILING WITH ENOUGH CLEARANCE TO ALLOW FOR CEILING TILE REMOVAL IN AREAS WITH LAY IN CEILING.

PLUMBING SHEET INDEX:

SHEET NO.	SHEET NAME
P000	PLUMBING LEGEND
P100	PLUMBING UNDERFLOOR PLAN - OVERALL
P100A	PLUMBING UNDERFLOOR PLAN - AREA A
P101	PLUMBING FLOOR PLAN - OVERALL
P101A	PLUMBING FLOOR PLAN - AREA A
P102	PLUMBING FLOOR PLAN - WATER PIPING - OVERALL
P102A	PLUMBING FLOOR PLAN - WATER PIPING - AREA A
P103	PLUMBING MEZZANINE PLAN
P104	PLUMBING ROOF PLAN
P200	PLUMBING WASTE AND VENT RISER DIAGRAM
P201	PLUMBING WATER PIPING RISER DIAGRAM
P300	PLUMBING DETAILS
P301	PLUMBING DETAILS
P400	PLUMBING SCHEDULES

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	06/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

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REMODEL

PROJECT NAME

SLICK CITY

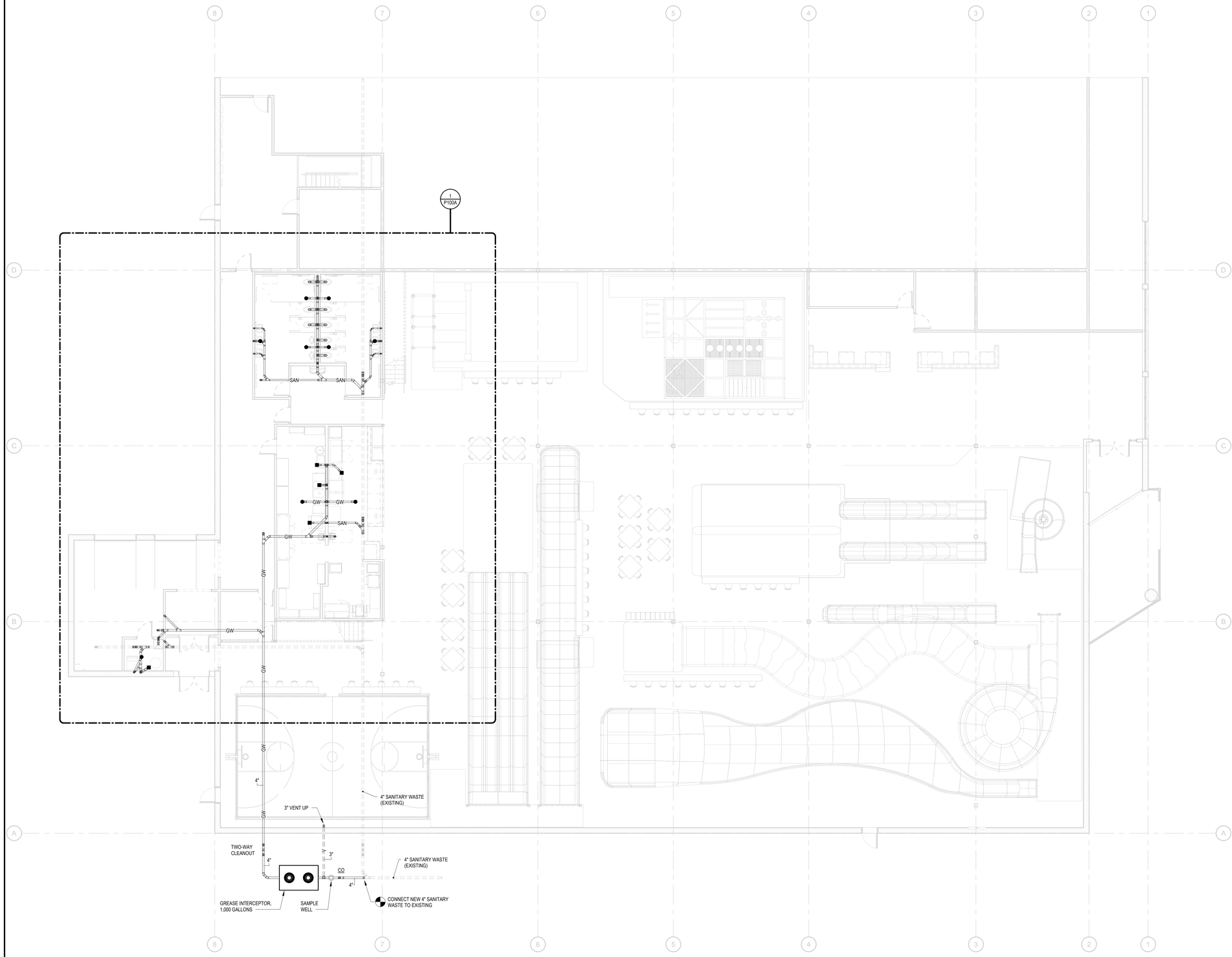
NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
PLUMBING LEGEND

SHEET NUMBER

P000



1 P100 PLUMBING UNDERFLOOR PLAN - OVERALL
1/8" = 1'-0"

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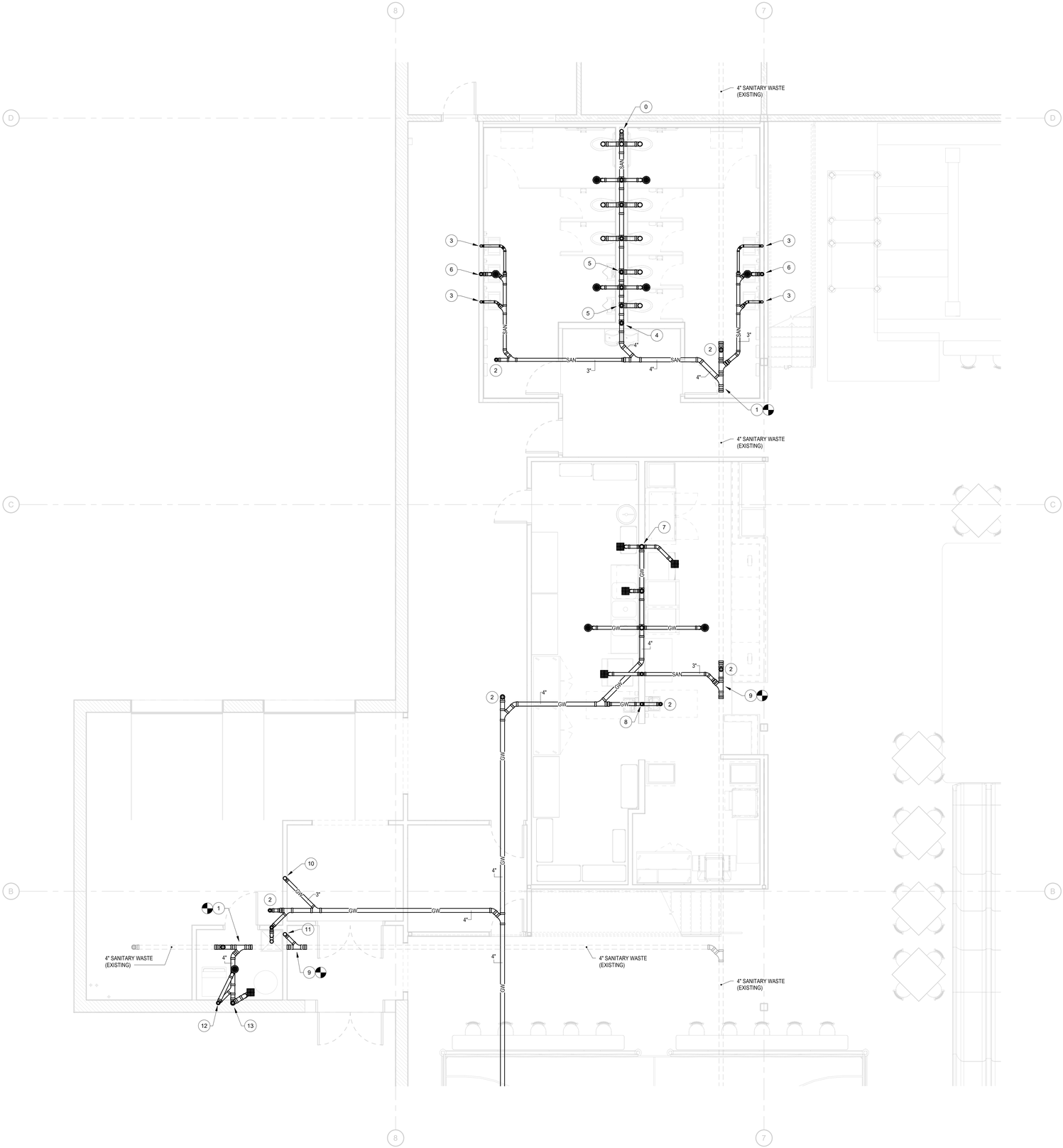
PLUMBING
UNDERFLOOR PLAN - OVERALL

SHEET NUMBER
P100



NOTES BY SYMBOL - SHEET P100A

NUMBER	DESCRIPTION
1	CONNECT NEW 4" SANITARY WASTE TO EXISTING.
2	UP TO FLOOR CLEAN-OUT.
3	2" SANITARY WASTE UP TO LAVATORY.
4	2" SANITARY WASTE UP TO ELECTRIC DRINKING FOUNTAIN.
5	4" SANITARY WASTE UP TO TOILET AND TRANSITION TO 2" FOR URINAL.
6	3" SANITARY WASTE UP TO FLOOR DRAIN AND TRANSITION TO 2" FOR LAVATORY.
7	3" GREASE WASTE UP TO FLOOR SINKS AND CONTINUES UP TO WALL CLEAN-OUT.
8	2" GREASE WASTE UP TO HAND WASHING SINKS.
9	CONNECT NEW 3" SANITARY WASTE TO EXISTING.
10	3" GREASE WASTE FROM MEZZANINE ABOVE.
11	3" SANITARY WASTE FROM MEZZANINE ABOVE.
12	3" SANITARY WASTE UP TO FLOOR DRAIN, TRANSITIONS TO 2" FOR WASHING MACHINE BOX AND WALL CLEAN-OUT.
13	3" SANITARY WASTE UP TO FLOOR SINK AND CONTINUES UP TO WALL CLEAN-OUT.

GRAVITY GREASE INTERCEPTOR SIZING*

DESCRIPTION	QUANTITY	DRAINAGE FIXTURE UNITS	TOTAL DFU
MOP SINK	1	5	5
HAND SINK	3	2	6
FLOOR SINK, (3" TRAP)	4	6	24
FLOOR DRAIN, (EMERGENCY)	3	6	18
TOTAL DRAINAGE FIXTURE UNITS:			53

53 DFU / 2 DFU = 26.5 GPM, (PEAK FLOW)

26.5 GPM X 30 MINUTE RETENTION TIME = 795 GALLON INTERCEPTOR REQUIRED, (MINIMUM)

1,000 GALLON INTERCEPTOR PROVIDED

*SIZING BASED UPON 2018 INTERNATIONAL PLUMBING CODE, SECTION 1003.3.7 (GRAVITY GREASE INTERCEPTORS)

1 P100A PLUMBING UNDERFLOOR PLAN - AREA A

1/4" = 1'-0"

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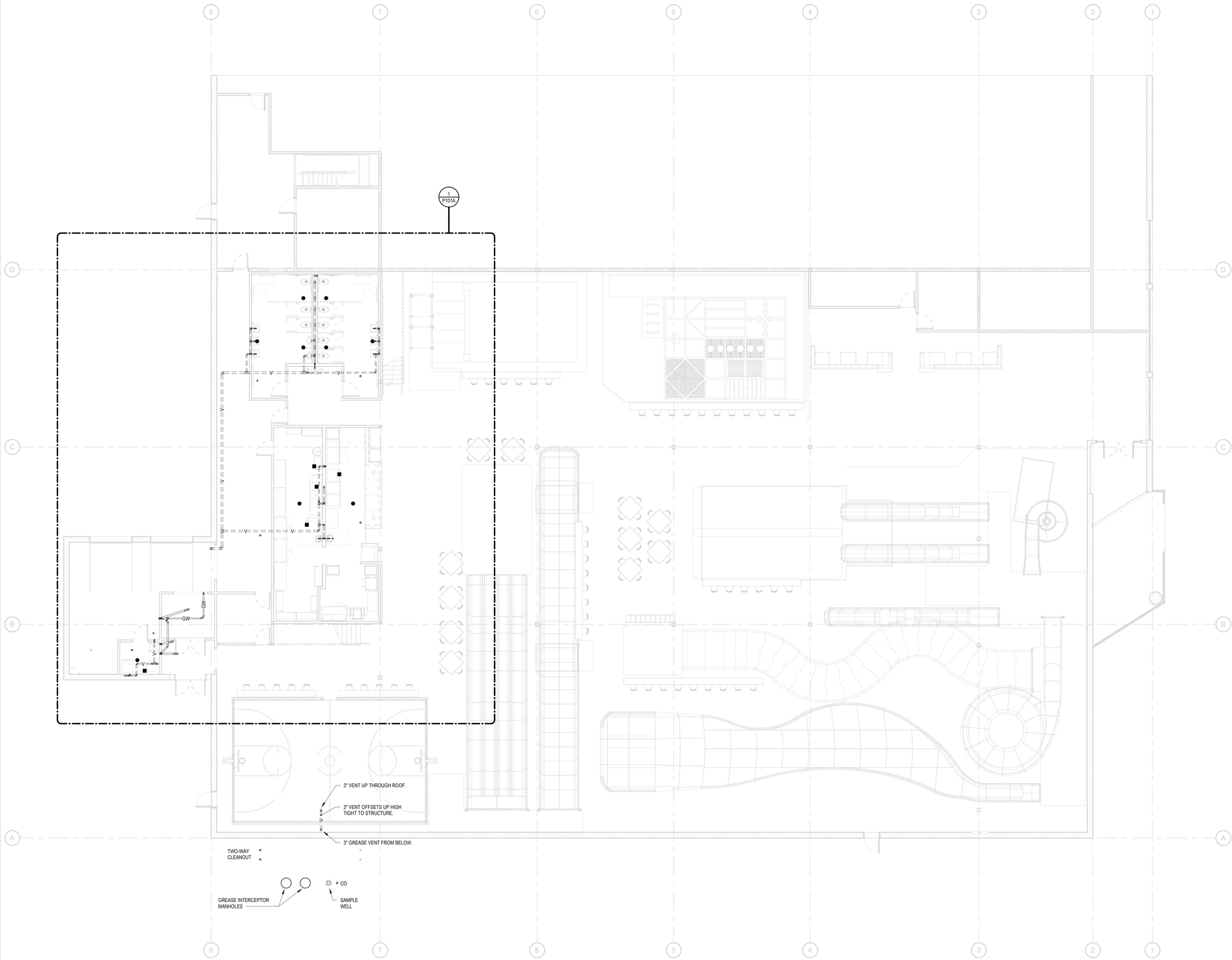
SHEET NUMBER

P100A



1 P101 PLUMBING FLOOR PLAN - OVERALL
1/8" = 1'-0"

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REMODEL

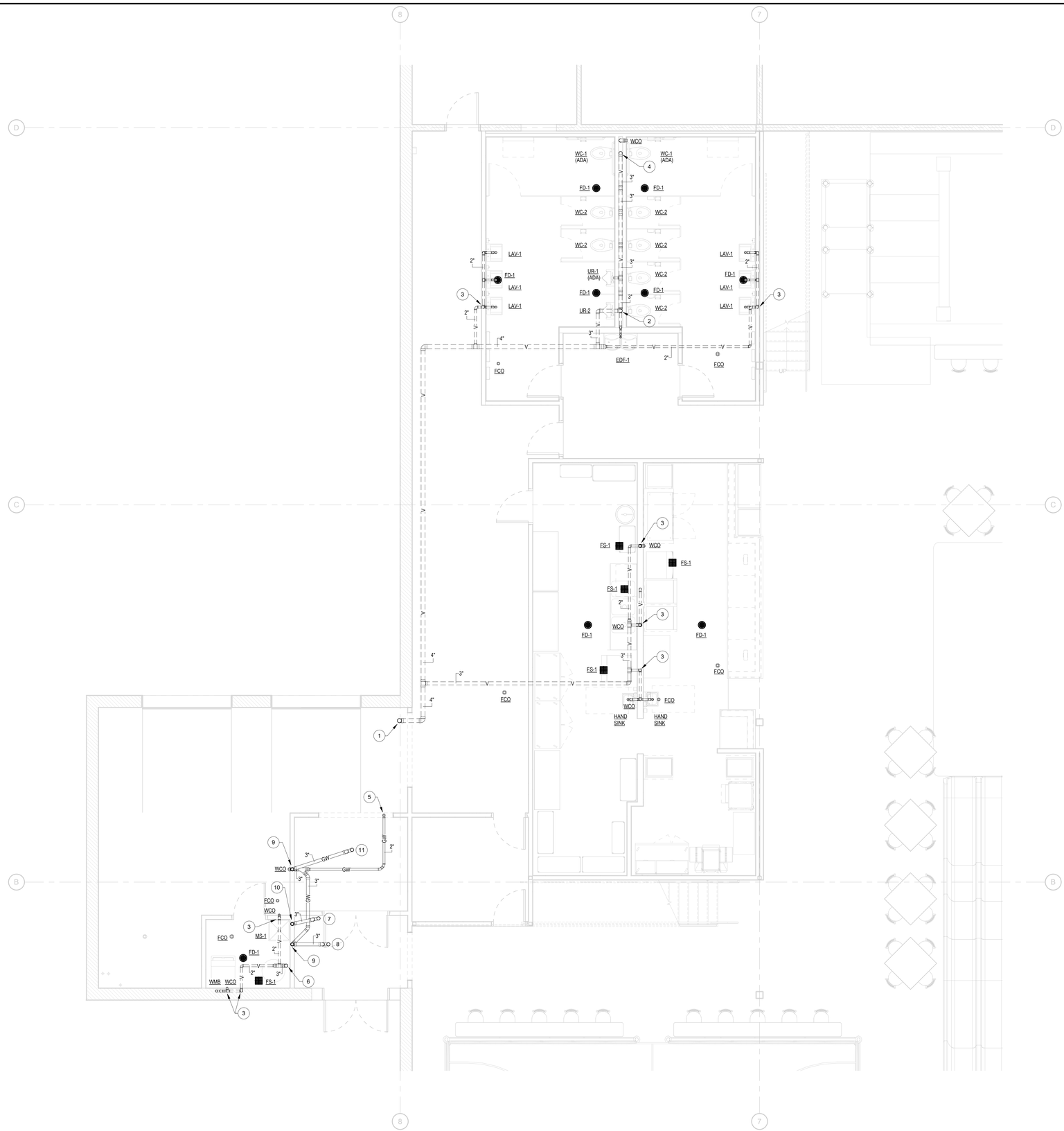
PROJECT NAME
SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
PLUMBING FLOOR PLAN - OVERALL

SHEET NUMBER
P101



NOTES BY SYMBOL - SHEET P101A

NUMBER	DESCRIPTION
1	4" VENT UP THROUGH ROOF.
2	3" VENT DOWN TO RESTROOM ASSEMBLY.
3	2" VENT DOWN TO PLUMBING FIXTURE.
4	3" VENT DOWN TO 4" TOILET RISER.
5	2" GREASE WASTE FROM HAND WASHING SINK AT MEZZANINE ABOVE.
6	3" VENT UP TO MEZZANINE.
7	3" SANITARY WASTE P-TRAP FOR MEZZANINE FLOOR SINK SERVING ICE MAKER.
8	3" GREASE WASTE P-TRAP FOR MEZZANINE FLOOR SINK SERVING SODA MACHINE.
9	3" GREASE WASTE DOWN TO UNDERFLOOR.
10	3" SANITARY WASTE DOWN TO UNDERFLOOR.
11	3" GREASE WASTE P-TRAP FOR FLOOR DRAIN SERVING MEZZANINE.

1 P101A PLUMBING FLOOR PLAN - AREA A
1/4" = 1'-0"

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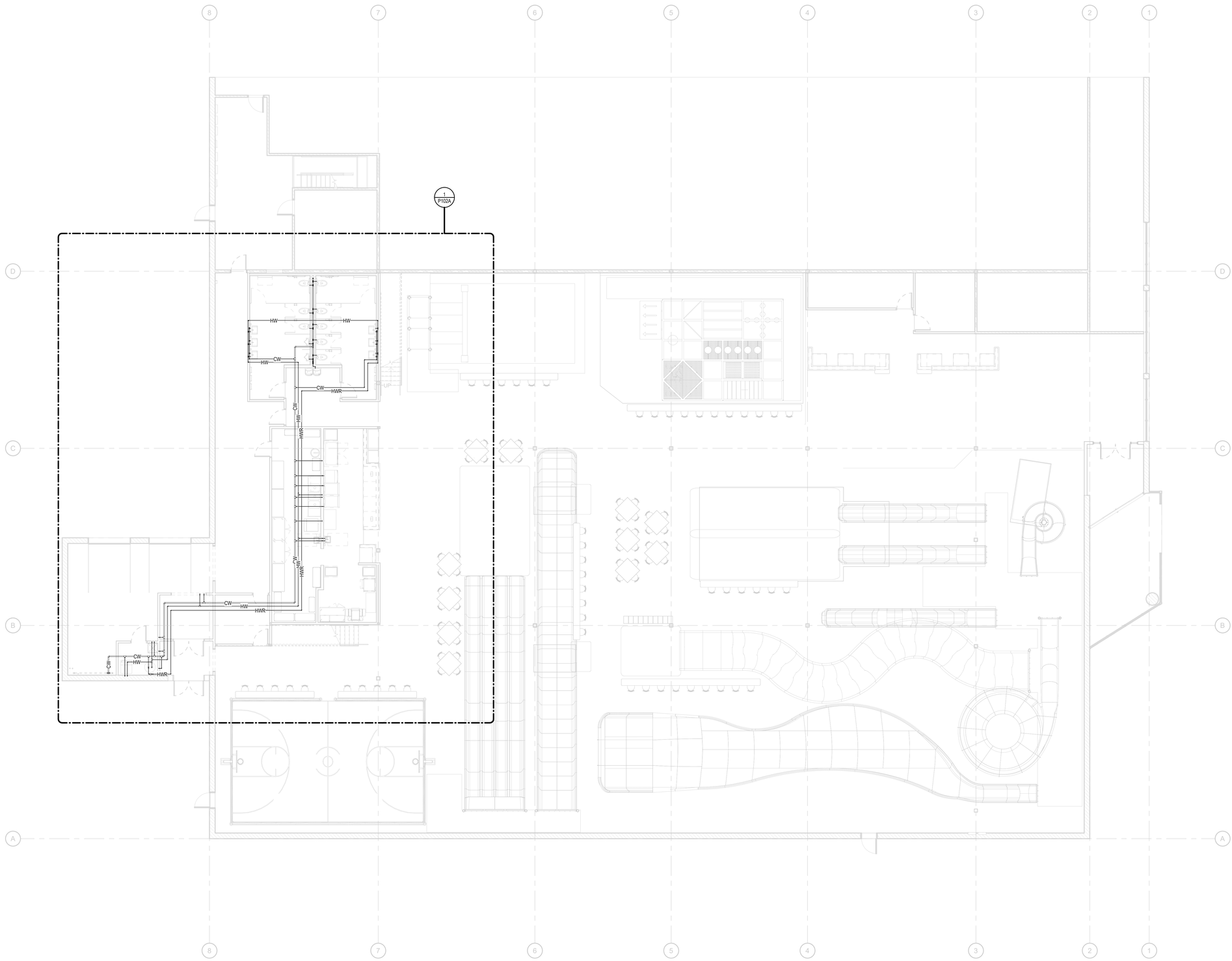
SHEET TITLE

PLUMBING FLOOR PLAN - AREA A

SHEET NUMBER

P101A



1 P102 PLUMBING FLOOR PLAN - WATER PIPING - OVERALL
1/8" = 1'-0"

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REMODEL

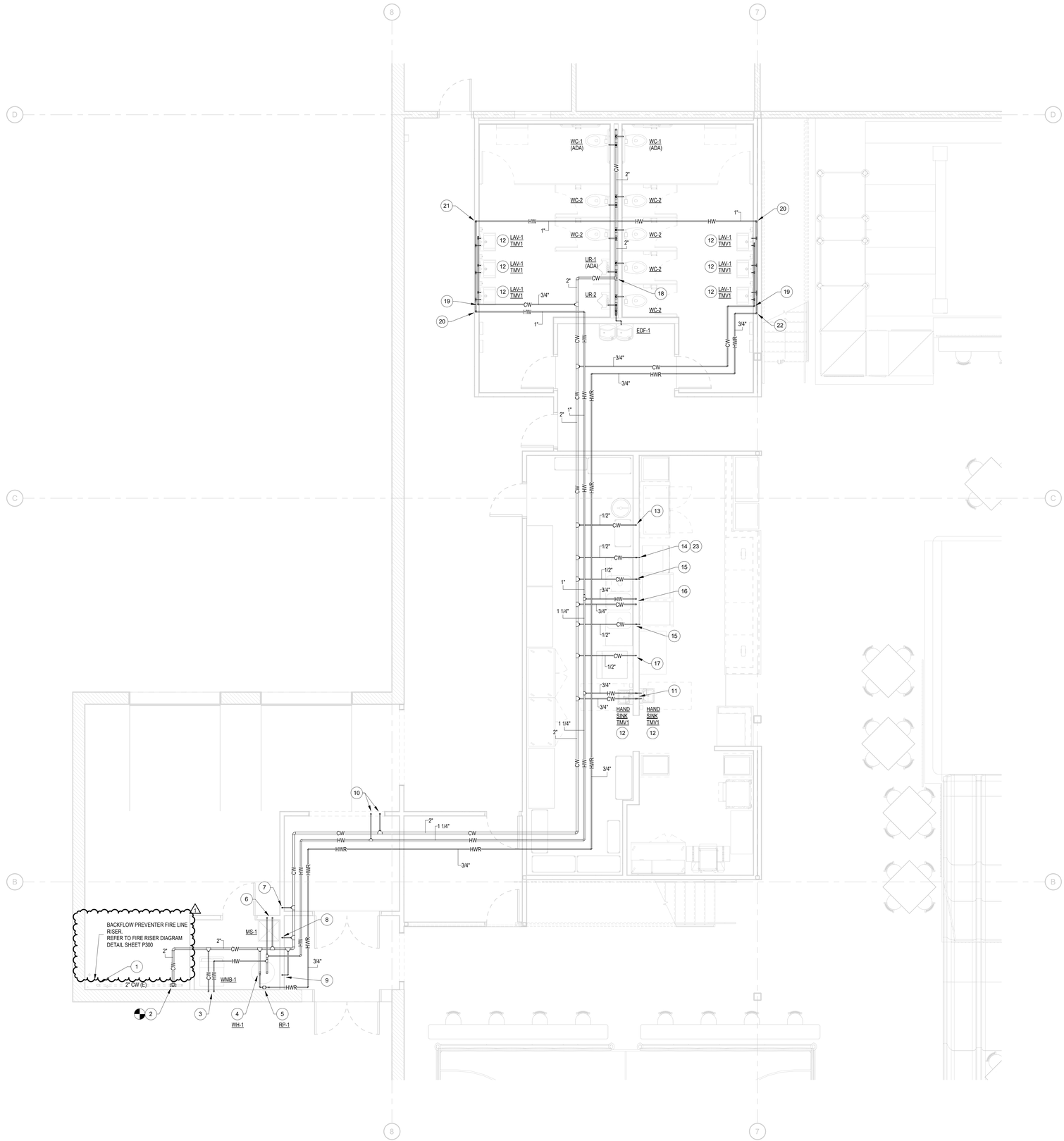
PROJECT NAME
SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
PLUMBING FLOOR PLAN - WATER PIPING - OVERALL

SHEET NUMBER
P102



NOTES BY SYMBOL - SHEET P102A

NUMBER	DESCRIPTION
1	EXISTING 2" CW SERVICE ENTRANCE TO BUILDING.
2	CONNECT NEW 2" CW TO EXISTING.
3	3/4" HW AND 3/4" CW DOWN TO CLOTHES WASHING MACHINE BOX.
4	1-1/4" HW AND 1-1/4" CW TO ELECTRIC WATER HEATER, WH-1.
5	RECIRCULATING PUMP, RP-1.
6	3/4" HW AND 3/4" CW DOWN TO MOP SINK.
7	1/2" CW UP TO ICE MAKER AT MEZZANINE.
8	1/2" CW UP TO SODA MACHINE AT MEZZANINE.
9	1/2" CW UP TO ICEE MACHINE AT MEZZANINE.
10	1/2" HW AND 1/2" CW UP TO HAND WASHING SINK AT MEZZANINE.
11	3/4" HW AND 3/4" CW DOWN TO HAND WASHING SINK. PROVIDE WITH ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE, (TMV1).
12	PROVIDE ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
13	1/2" CW DOWN TO BAG-N-BOX SYRUP SYSTEM. PROVIDE WITH RPZ BACKFLOW PREVENTER WATTS 'LF909' FOR FINAL CONNECTION, (ASSE 1013).
14	1/2" CW DOWN TO SODA DISPENSER. PROVIDE WITH WATTS 'SD-3' LEAD FREE DUAL CHECK BACKFLOW PREVENTER, (ANSI/NSF 18 AND ASSE 1022).
15	1/2" CW DOWN TO ICEE FROZEN DRINK MACHINE. PROVIDE WITH WATTS 'SD-3' LEAD FREE DUAL CHECK BACKFLOW PREVENTER, (ANSI/NSF 18 AND ASSE 1022).
16	3/4" HW AND 3/4" CW DOWN TO THREE COMPARTMENT SINK.
17	1/2" CW DOWN TO ICE MAKER.
18	2" CW DOWN TO FUZZ SIZE MANIFOLD.
19	3/4" CW DOWN TO LAVATORIES.
20	1" HW LOOP DOWN IN WALL TO LAVATORIES.
21	1" HW LOOP UP FROM LAVATORIES.
22	3/4" HOT WATER RETURN UP FROM LAVATORIES.
23	LINE SET TO BE EXTENDED FROM SYRUP RACK TO SODA DISPENSER.

WATER CALCULATION*

AVAILABLE PRESSURE (PSI)	60.0'	
METER LOSS	4.0	
STATIC PRESSURE LOST (ELEV.) (20'-0" X .43)	8.6	
MIN. PRESS. LAST FIXTURE	25.0	
BACKFLOW PREVENTER LOSS	12.0	
TOTAL PRESSURE AVAILABLE		10.4
DISTANCE - MAIN TAP TO LAST FIXTURE		240'
EQUIVALENT DISTANCE IN FEET (X 1.25)		300'
ALLOWABLE PRESSURE LOSS PER 100 FT.	10.4 X 100' / 300'	
PRESSURE DROP PER 100 FEET, (PSI)		3.5

*NOTES:

1. THE SERVICE WATER PRESSURE IS ESTIMATED TO BE 60 PSI. THE CONTRACTOR SHALL VERIFY THE WATER PRESSURE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IF ANY DESCREPANCIES OR DEFICENCIES.

2. IF THE SUPPLIED SERVICE WATER PRESSURE EXCEEDS 80 PSI, CONTRACTOR SHALL PROVIDE A PRESSURE REDUCING REGULATOR.

WATER DEMAND CHART*

DESCRIPTION	QUANTITY	SUPPLY WSFU	TOTAL WSFU
WATER CLOSET, (TANK TYPE)	8	5	40
URINAL	2	5	10
LAVATORY	6	2	12
DRINKING FOUNTAIN	1	0.25	0.25
MOP SINK	1	3	3
THREE COMPARTMENT SINK	1	4	4
HAND WASHING SINK	3	2	6
CLOTHES WASHING MACHINE	1	4	4
ICEE FROZEN DRINK MACHINE	3	0.5	1.5
SODA DISPENSER	2	0.5	1
ICE MAKER	2	0.5	1
TOTAL			82.75
82.75 WSFU = 41 GPM (TANK TYPE)			

*PER TABLE E103.3(2), 2018 INTERNATIONAL PLUMBING CODE (IPC)

1 P102A PLUMBING FLOOR PLAN - WATER PIPING - AREA A
1/4" = 1'-0"

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REMODEL

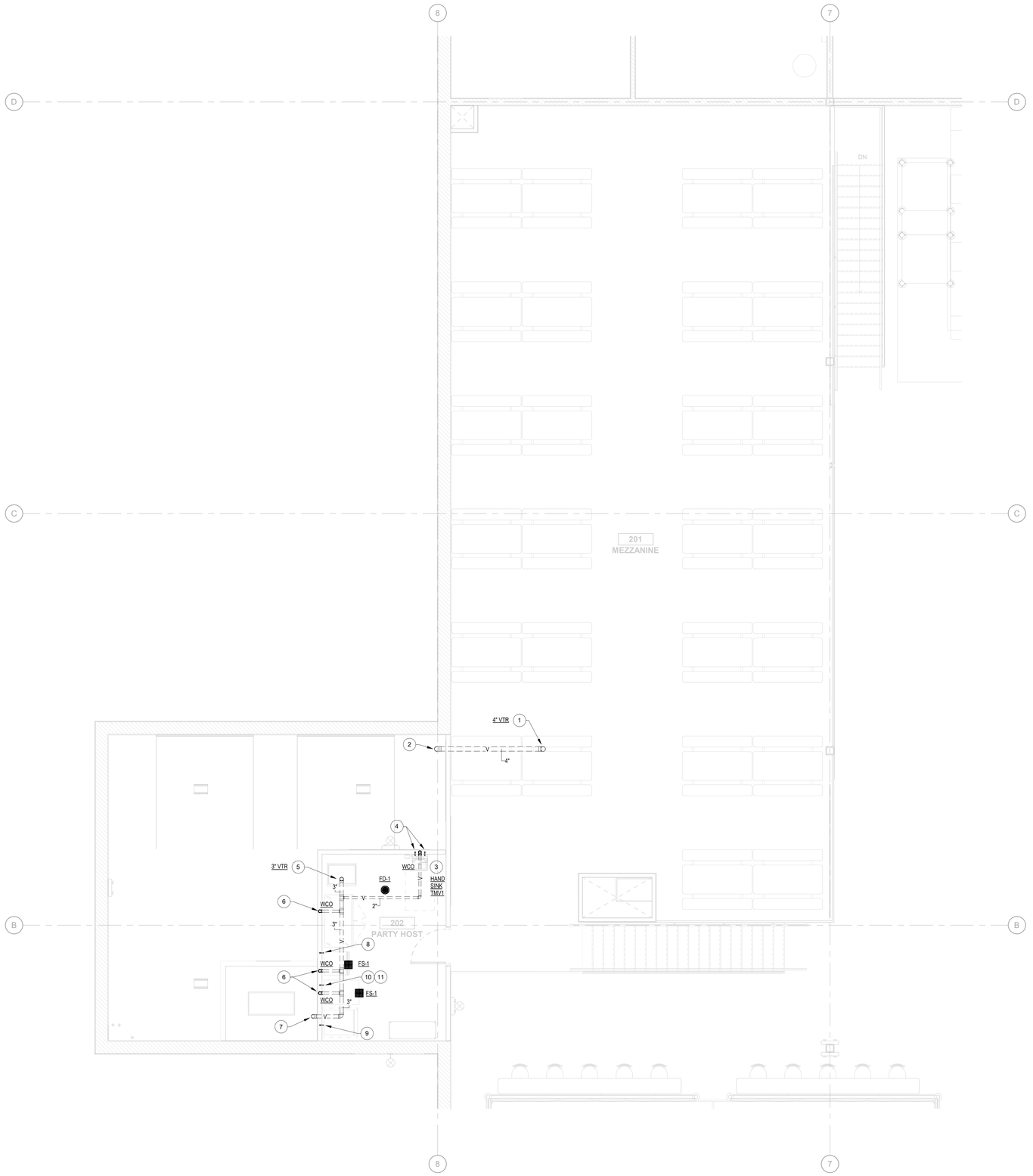
PROJECT NAME
SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
PLUMBING FLOOR PLAN - WATER PIPING - AREA A

SHEET NUMBER
P102A



NOTES BY SYMBOL - SHEET P103

NUMBER	DESCRIPTION
1	4" VENT UP THROUGH ROOF.
2	4" VENT FROM BELOW.
3	PROVIDE ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
4	1/2" HW AND 1/2" CW FROM BELOW TO HAND WASHING SINK. PROVIDE WITH ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
5	3" VENT UP THROUGH ROOF.
6	2" VENT DOWN TO PLUMBING FIXTURE.
7	3" VENT FROM BELOW.
8	1/2" CW TO ICE MAKER.
9	1/2" CW TO ICEE FROZEN DRINK MACHINE. PROVIDE WITH WATTS 'SD-3' LEAD FREE DUAL CHECK BACKFLOW PREVENTER, (ANSI/NSF 18 AND ASSE 1022).
10	1/2" CW TO SODA DISPENSER. PROVIDE WITH WATTS 'SD-3' LEAD FREE DUAL CHECK BACKFLOW PREVENTER, (ANSI/NSF 18 AND ASSE 1022).
11	LINE SET TO BE EXTENDED FROM SYRUP RACK IN CAFE AREA TO SODA DISPENSER AT MEZZANINE.

1 P103 PLUMBING MEZZANINE PLAN
1/4" = 1'-0"

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SLICK CITY

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PROJECT NUMBER
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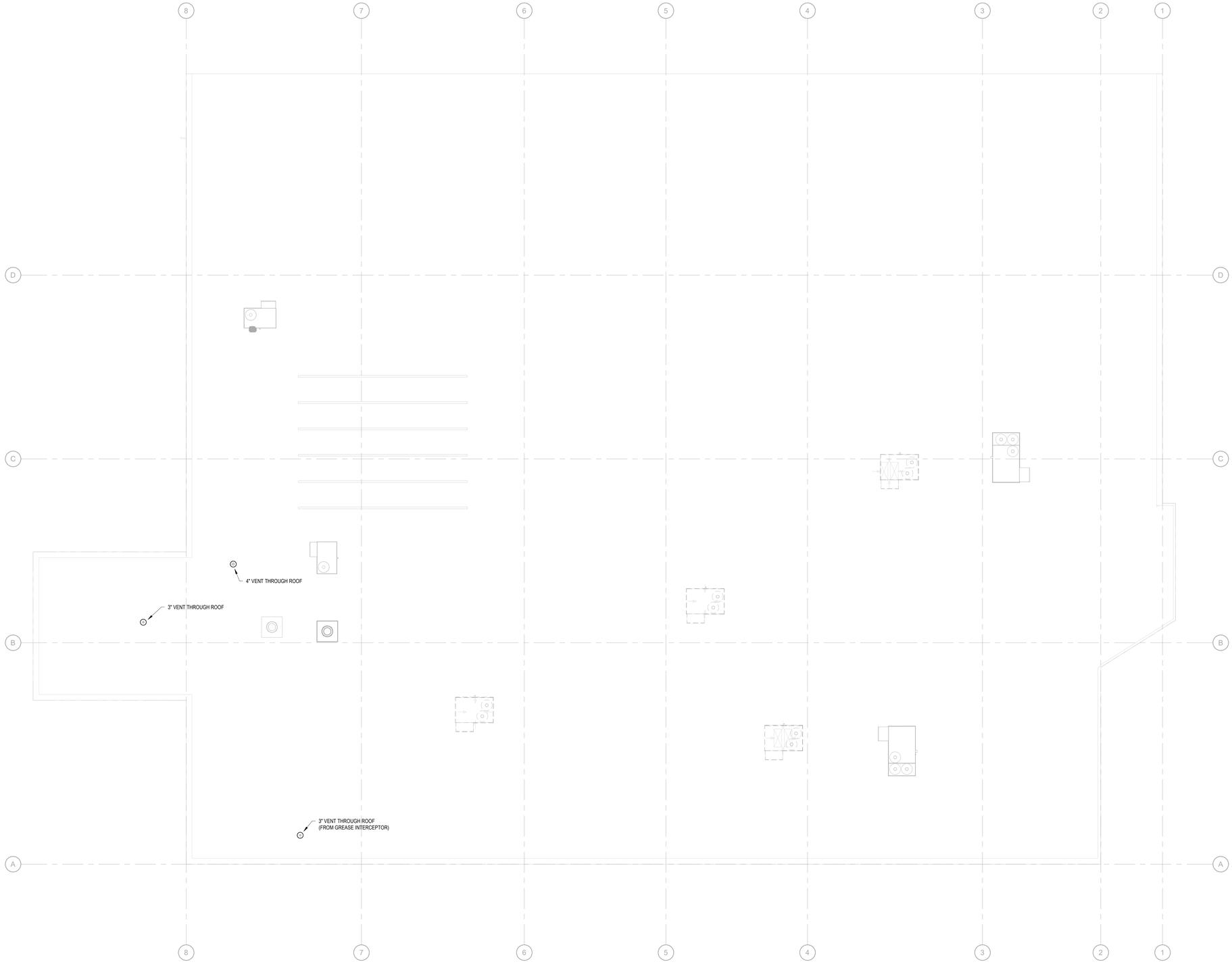
SHEET TITLE
PLUMBING MEZZANINE PLAN

SHEET NUMBER
P103



1 PLUMBING ROOF PLAN
P104
1/8" = 1'-0"

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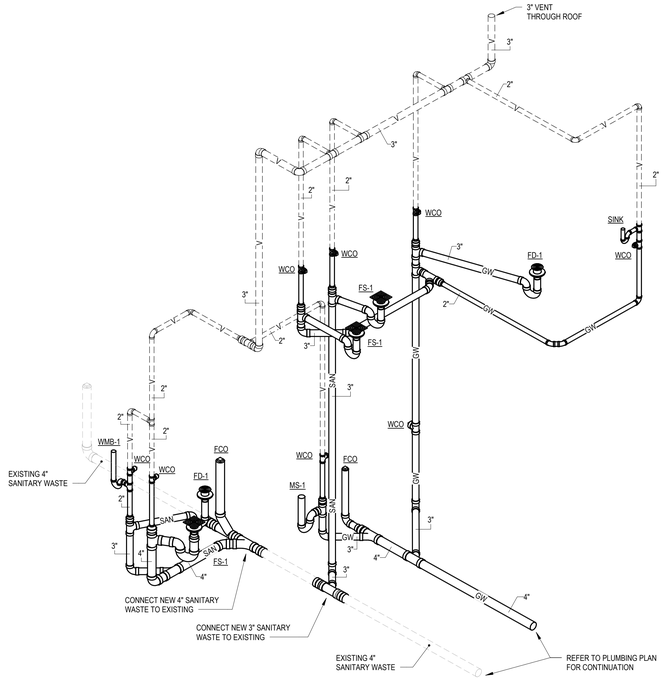
SLICK CITY

NORMAN, OK

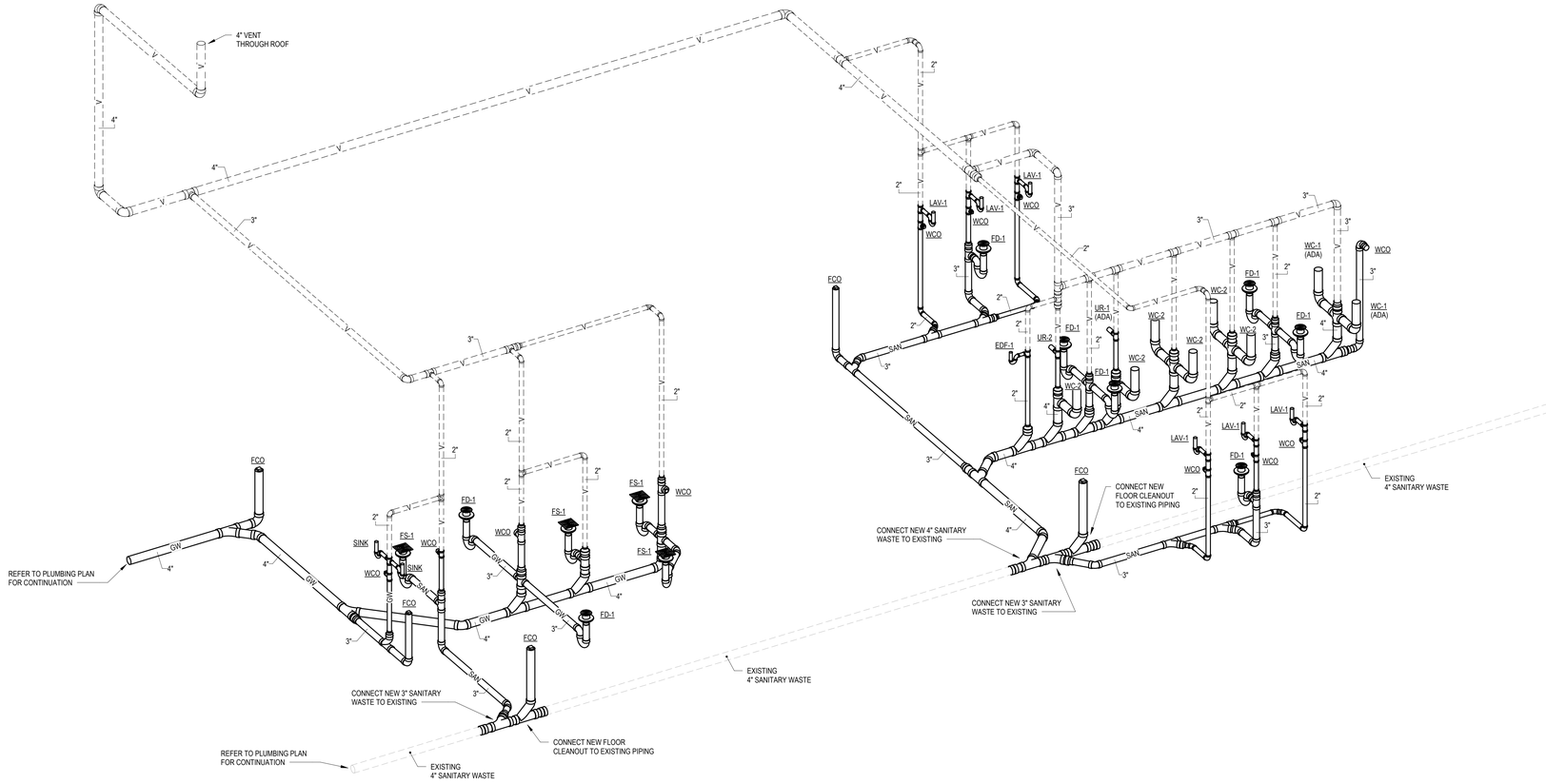
PROJECT NUMBER
NORMAN, OK

SHEET TITLE
PLUMBING ROOF PLAN

SHEET NUMBER
P104



2 P200 WASTE AND VENT RISER - MEZZANINE AND BACK OF HOUSE



1 P200 WASTE AND VENT RISER - RESTROOMS AND CAFE

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REMODEL

PROJECT NAME

SLICK CITY

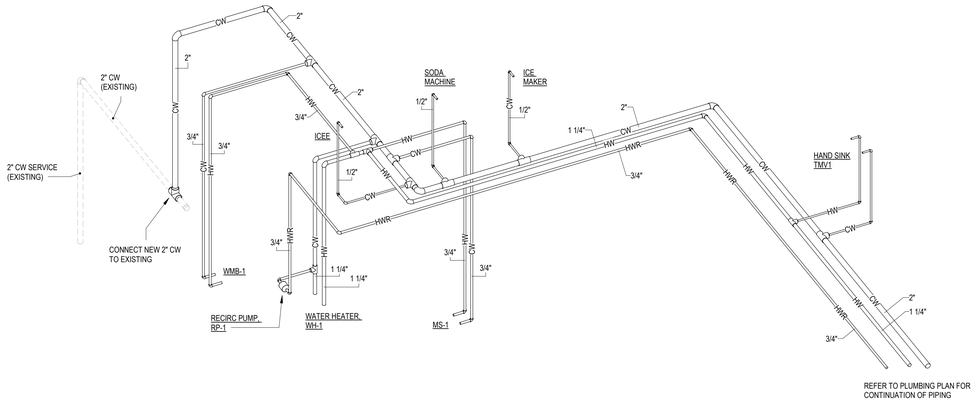
NORMAN, OK

PROJECT NUMBER
NORMAN, OK

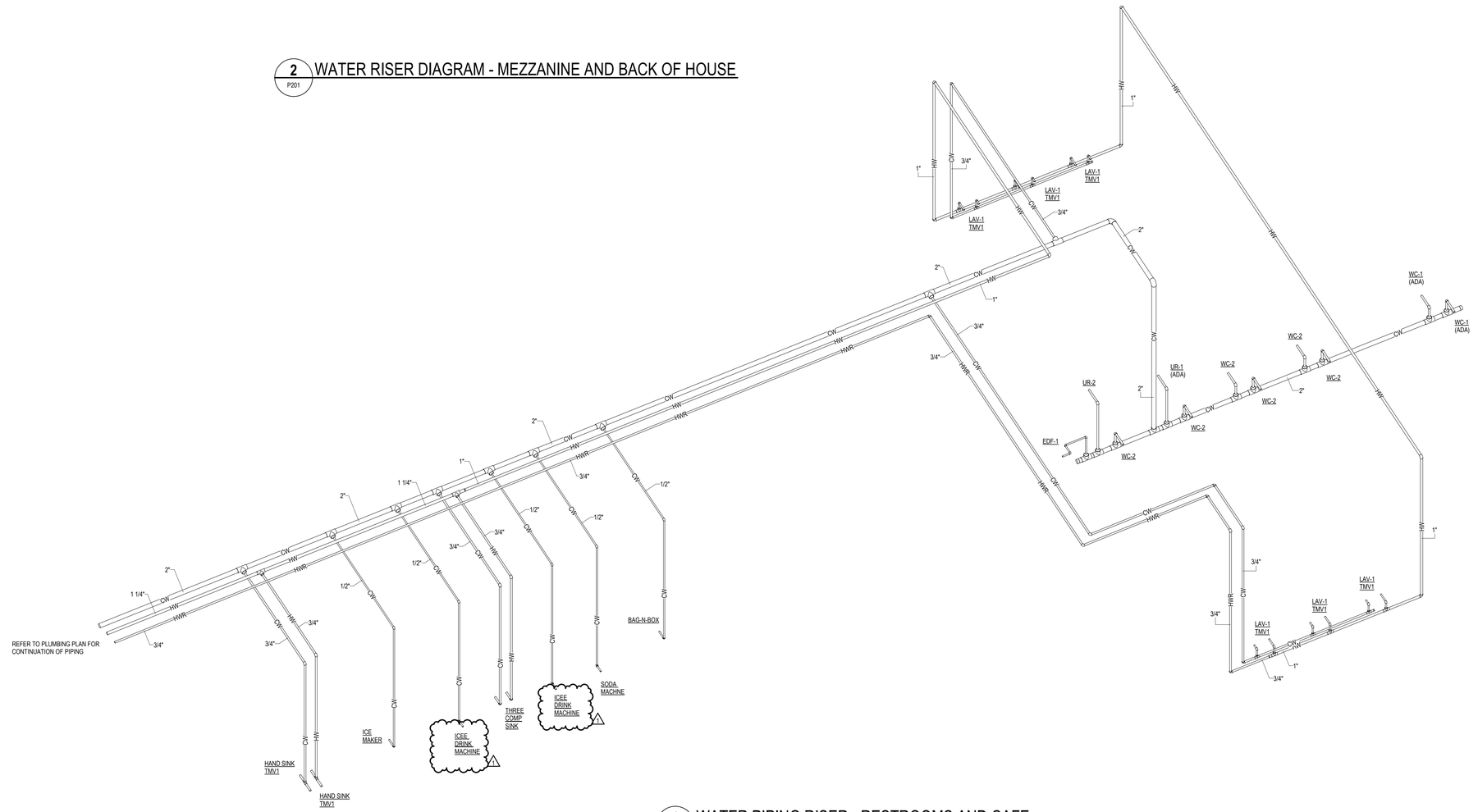
SHEET TITLE
PLUMBING WASTE AND VENT RISER DIAGRAM

SHEET NUMBER

P200



2 P201 WATER RISER DIAGRAM - MEZZANINE AND BACK OF HOUSE



1 P201 WATER PIPING RISER - RESTROOMS AND CAFE

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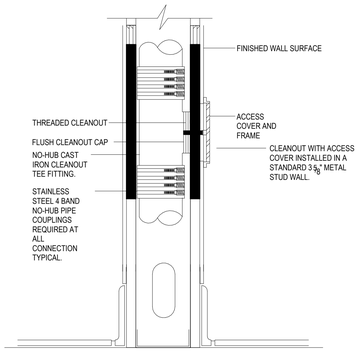
NORMAN, OK

SHEET TITLE
PLUMBING WATER PIPING RISER DIAGRAM

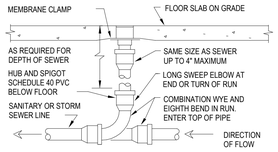
SHEET NUMBER

P201



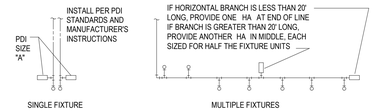
1 WALL CLEAN-OUT DETAIL
P300 NTS

PROVIDE ROUND SECURED NICKEL BRONZE ADJUSTABLE TOP WITH "CO" CAST IN COVER. PROVIDE CLEANOUT TOP WITH VARIATIONS SUITABLE FOR FLOOR COVERING (CARPET MARKER, RECESSED FOR TILE, SCORIATED FOR UNFINISHED FLOORS). PROVIDE BRONZE PLUG IN CAST IRON BODY.



LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 45 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.

2 FLOOR CLEAN-OUT DETAIL
P300 NTS

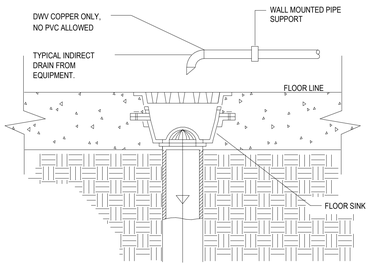


	PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
HA-	A	1/2"	1-11
HA-	B	3/4"	12-32
HA-	C	1"	33-60
HA-	D	1-1/4"	61-113
HA-	E	1-1/2"	114-154
HA-	F	2"	154-330

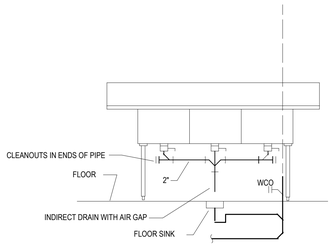
FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
VALVE WATER CLOSET	10	--
TANK WATER CLOSET	5	--
URINAL	5	--
LAVATORY/SINK	1.5	1.5
JANITOR'S SINK	3	3
SHOWER/BATHTUB	2	2

PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE. PROVIDE ACCESS PANEL FOR SERVICING OR REPLACEMENT, WHERE REQUIRED.

3 WATER HAMMER ARRESTOR DETAIL
P300 NTS

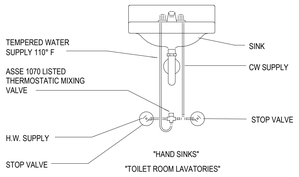


4 INDIRECT DRAIN DETAIL
P300 NTS

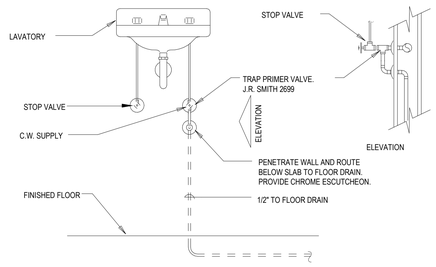


ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS AND COMPLY WITH LOCAL CODE. PROVIDE DWV COPPER PIPE, FITTINGS, & CLEANOUTS.

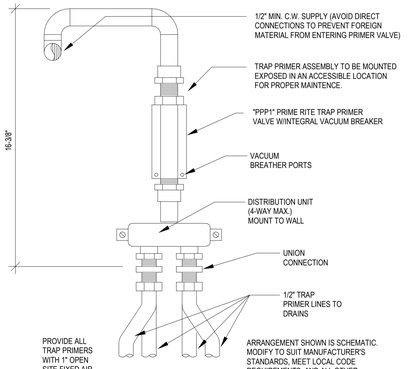
5 3 COMPARTMENT SINK DETAIL
P300 NTS



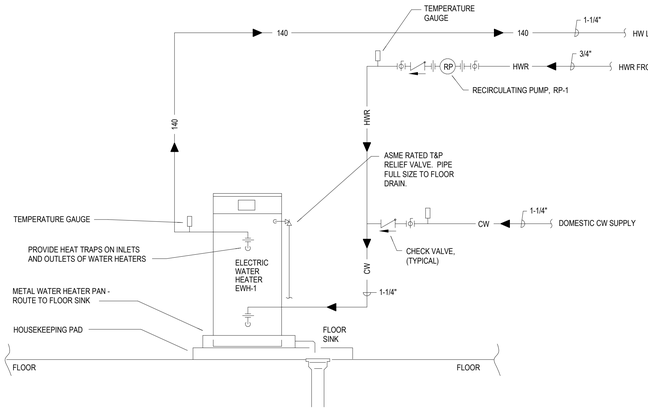
6 THERMOSTATIC MIXING VALVE DETAIL
P300 NTS



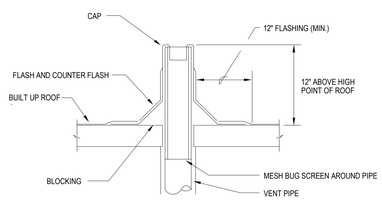
7 TRAP PRIMER DETAIL
P300 NTS



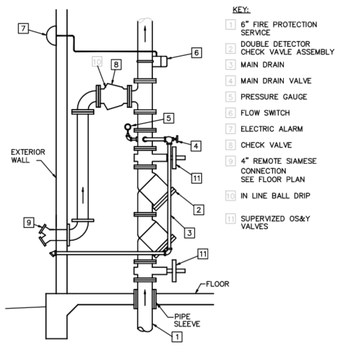
8 TRAP PRIMER DETAIL
P300 NTS



9 ELECTRIC WATER HEATER DETAIL, EWH-1
P300 NTS



10 VENT THROUGH ROOF DETAIL
P300 NTS



ARRANGEMENT SHOWN IS SCHEMATIC. MODIFY TO SUIT MANUFACTURER'S STANDARDS, MEET LOCAL CODE REQUIREMENTS, AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. ROUTE ALL DRAINS TO OUTSIDE AS SHOWN PER ARCHITECT OR TO NEARBY FLOOR DRAIN.

11 FIRE RISER DIAGRAM
P300 NTS

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NO	DATE	REVISION
1	08/10/26	City Comments

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REMODEL

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NORMAN, OK

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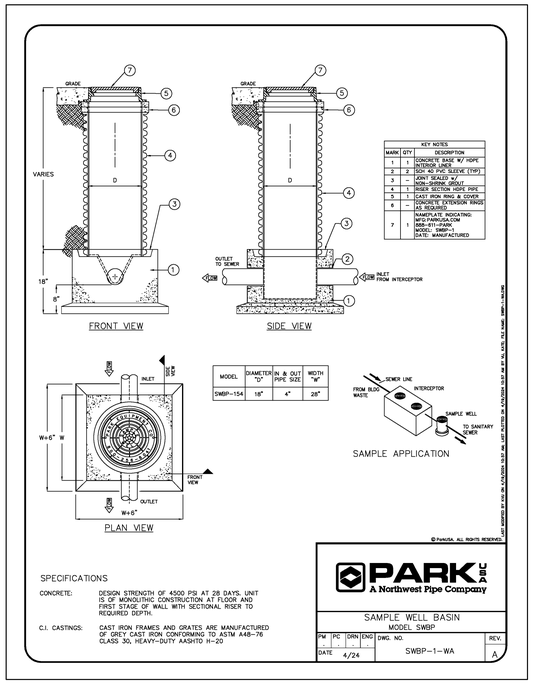
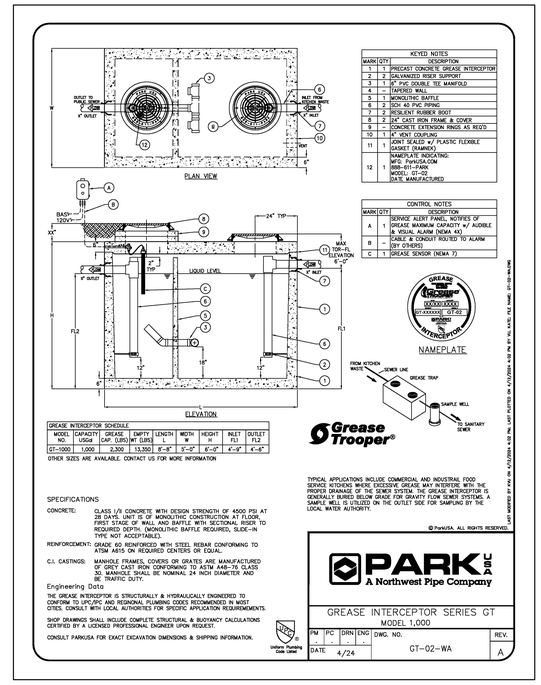


1 P301 SAMPLE WELL DETAIL
NTS



2 P301 GREASE INTERCEPTOR DETAIL
NTS

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PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MANUFACTURER	MODEL	CONNECTIONS				DESCRIPTION
				CW	HW	DRAIN	VENT	
WC1	WATER CLOSET (ADA HEIGHT)	ZURN	Z5560	3/4"	-	4"	2"	ZURN MODEL #Z5560, FLOOR MOUNTED, VITREOUS CHINA, HIGH PERFORMANCE, PRESSURE ASSISTED TANK, TWO PIECE TOILET, ELONGATED, ADA HEIGHT, SIPHON JET ACTION WITH 12" STANDARD ROUGH-IN.
WC2	WATER CLOSET (STANDARD HEIGHT)	ZURN	Z5570	3/4"	-	4"	2"	ZURN MODEL #Z5570, FLOOR MOUNTED, VITREOUS CHINA, HIGH PERFORMANCE, PRESSURE ASSISTED TANK, TWO PIECE TOILET, ELONGATED, STANDARD HEIGHT, SIPHON JET ACTION WITH 12" STANDARD ROUGH-IN.
UR1	URINAL (ADA HEIGHT)	TOTO	UT447E	3/4"	-	2"	2"	TOTO MODEL #UT447E, INSTALL AT ADA COMPLIANT HEIGHT, COMPACT URINAL WITH CONCEALED INTEGRAL TRAP. FLUSH VALVE: SLOAN ROYAL MODEL #186-0.5, POLISHED CHROME MANUAL FLUSH VALVE, 0.5 GPF.
UR2	URINAL (STANDARD HEIGHT)	TOTO	UT447E	3/4"	-	2"	2"	TOTO MODEL #UT447E, INSTALL AT STANDARD HEIGHT, COMPACT URINAL WITH CONCEALED INTEGRAL TRAP. FLUSH VALVE: SLOAN ROYAL MODEL #186-0.5, POLISHED CHROME MANUAL FLUSH VALVE, 0.5 GPF.
LAV1	LAVATORY	ZURN	Z5310	1/2"	1/2"	1-1/2"	2"	ZURN WALL HUNG LAVATORY, 20X18. FAUCET: Z7440-XL SINGLE LEVER CONTROL, 0.5 GPM FLOW LIMITING AERATOR. PROVIDE WITH ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE, TMV1.
EDF1	ELECTRIC DRINKING FOUNTAIN ADA HI/LO	ELKAY	EZSTL8LC	1/2"	-	1-1/2"	2"	ELKAY BI-LEVEL REFRIGERATED DRINKING FOUNTAIN, ADA, PUSHBAR CONTROLS ON FRONT AND SIDES. 115V/60 HZ, FULL LOAD AMPS = 5, RATED WATTS = 370.
MS1	MOP SINK	PROFLO	PFMB2424	3/4"	3/4"	3"	2"	MOP SERVICE BASIN WITH INTEGRAL MOLDED DRAIN. TWO HANDLE WALL MOUNT SERVICE SINK FAUCET, (MODEL #PF1119LF). INCLUDE ASSE 1011 HOSE VACUUM BREAKER, (WATTS SERIES #LF8).
FD1	FLOOR DRAIN	ZURN	Z415B	-	-	3"	2"	ZURN 6" FLOOR DRAIN, TYPE 'B' LIGHT DUTY HEEL-PROOF STRAINER.
FS1	FLOOR SINK	ZURN	Z1900-2	-	-	3"	2"	ZURN SANI-FLOR RECEPTOR, 12" x 12" x 6" DEEP CAST IRON BODY AND SQUARE, LIGHT-DUTY GRATE WITH 1/2" SLOTTED OPENINGS, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR AND TOP, COMPLETE WITH ANTI-SPLASH INTERIOR BOTTOM DOME STRAINER.
TMV-1	THERMOSTATIC MIXING VALVE	LEONARD	170-LF	1/2"	1/2"	-	-	LEAD FREE, POINT-OF-USE THERMOSTATIC MIXING VALVE WITH TEMPERATURE ADJUSTMENT KNOB AND ASSE 1070 CERTIFIED.

ELECTRIC WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL	TANK CAPACITY	RECOVERY GPH @ 100° F. RISE	QUANTITY OF ELEMENTS	ELECTRICAL	NOTES
WH-1	A.O. SMITH	DRE-120	119 GALLONS	62 GPH	3	208V / 3 PHASE 15 KW	1. PROVIDE WITH EMERGENCY T&P RELIEF, ROUTE DISCHARGE TO NEARBY FLOOR SINK. 2. PROVIDE WITH EXPANSION TANK. (AMTROL ST-12). 3. TEMPERATURE SETPOINT = 140 DEG. F. 4. REFER TO WATER HEATER DETAIL #9 ON SHEET P300 FOR SHUT-OFF VALVES AND PIPING SCHEMATIC.

DOMESTIC HOT WATER CIRCULATING PUMP

MARK	MANUFACTURER	MODEL	G.P.M.	HEAD-FEET	R.P.M.	HORSEPOWER	VOLTAGE / PH / HZ	NOTES:
RP1	BELL & GOSSETT	HV-BNFI	5	9	1750	1/6	120/1/60	1. PUMP SHALL BE CONTROLLED WITH INTERMATIC TIMER MODEL #ET171C. 2. BRASS BODY AND IMPELLER.

PIPING MATERIAL AND INSULATION SCHEDULE

APPLICATION	PIPING MATERIAL	PIPE FITTING/WELD	PIPE SCHEDULE/TYPE	INSULATION MATERIAL	INSULATION THICKNESS
GREASE WASTE:					
UNDERGROUND	CI-H&S, PVC	H&S, PRIMER & CEMENT	SERVICE, SCH 40		
ABOVE GRADE	CI-NO HUB, PVC	STANDARD COUPLING, PRIMER & CEMENT	SERVICE, SCH 40		
SANITARY DRAIN, WASTE & VENT					
UNDERGROUND	CI-H&S, PVC	H&S, PRIMER & CEMENT	SERVICE, SCH 40		
ABOVE GROUND	CI-NO HUB, PVC	STANDARD COUPLING, PRIMER & CEMENT	SERVICE, SCH 40		
DOMESTIC WATER					
UNDERGROUND CW, HW & HWR	SOFT DRAWN COPPER TUBING	ROLLED COIL (NO JOINTS UNDERGROUND)	TYPE K		
ABOVE GROUND CW, HW & HWR	HARD DRAWN COPPER TUBING	WROUGHT COPPER - SOLDER	TYPE L	FIBERGLASS	< 1" PIPE: 1/2", ≥ 1" PIPE: 1"
CONDENSATE DRAIN					
INDOORS / OUTSIDE	COPPER DWV	SOLDER	TYPE M	ARMAFLEX	

NOTES:

1. UNDER NO CIRCUMSTANCES SHALL PVC PIPING BE USED IN RETURN AIR SPACES / PLENUMS.
2. USE MATERIAL ONLY AS APPROVED BY AUTHORITIES HAVING JURISDICTION.
3. INSULATION VALUES MUST MEET MINIMUM REQUIREMENT OF ENERGY CODE ADOPTED BY THE AUTHORITY HAVING JURISDICTION, OR AS LISTED HEREIN, WHICHEVER IS GREATER.

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REMODEL

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SLICK CITY

NORMAN, OK

PROJECT NUMBER
NORMAN, OK

SHEET TITLE
PLUMBING SCHEDULES

SHEET NUMBER
P400

STRUCTURAL NOTES

GENERAL

1. THIS PROJECT MEETS THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ) AND THE LOCAL BUILDING CODE DESIGN CRITERIA NOTED BELOW.
2. THE GENERAL CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL OPENINGS (COORDINATE WITH APPLICABLE TRADES). THE CONTRACTOR SHALL PROVIDE FOR ALL OPENINGS, WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT. ANY DEVIATION FROM OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR APPROVAL PRIOR TO CONSTRUCTION.
3. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK.
4. COMPLETE SHOP DRAWINGS AS REQUIRED FOR THE STRUCTURAL WORK SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATIONS. SUCH REVIEW BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR CORRECT FABRICATION AND CONSTRUCTION OF THE WORK. ALLOW TEN (10) BUSINESS DAYS FOR REVIEW FROM THE TIME SUBMITTALS ARE RECEIVED IN OUR OFFICE.
5. ANY DEVIATION FROM, ADDITION TO, SUBSTITUTION FOR, OR MODIFICATION TO THE STRUCTURE OR ANY PART OF THE STRUCTURE DETAILED ON THESE DRAWINGS SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS THAT ARE SUBMITTED FOR REVIEW DO NOT CONSTITUTE "IN-WRITING" UNLESS IT IS CLEARLY NOTED THAT SPECIFIC CHANGES ARE BEING SUGGESTED.
6. THE STRUCTURAL DRAWINGS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.
7. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN AND OTHER PERSONS DURING CONSTRUCTION.
8. REFERENCES TO EXISTING BUILDING STRUCTURE ARE BASED ON SITE SURVEY DRAWINGS BY MIKE MARTIN (APOGEE ARCH.) ON FEB. 9, 2026 AND THE EXISTING ST. DRAWINGS BY C.G. PENDERGRAF JR. (BULLARD AND ASSO.) ON SEP. 24, 1986.

SPECIAL INSPECTION

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION:
(REFER TO SHEET S-001 FOR ADDITIONAL INFORMATION.)

1. CONCRETE CONSTRUCTION
2. STEEL CONSTRUCTION

DESIGN LOAD CRITERIA

1. BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE, WITH LOCAL ADOPTED AMENDMENTS.
2. ROOF LIVE LOAD: 20 PSF
3. ROOF DEAD LOAD: 25 PSF
4. MEZZANINE LIVE LOAD: 100 PSF
5. MEZZANINE DEAD LOAD: 20 PSF
6. FLOOR LIVE LOAD: 100 PSF
7. SEE ROOF PLAN FOR ADDITIONAL MECHANICAL LOADS.
8. WIND LOADS:
   ULTIMATE STRESS DESIGN WIND SPEED (V/ULT) = 115 MPH
   ALLOWABLE STRESS DESIGN WIND SPEED (V/ASD) = 90 MPH
   RISK CATEOGRY = III
   WIND EXPOSURE CATEGORY = C
   INTERNAL PRESSURE Coeff. GCPI = ±0.18
   COMPONENTS AND CLADDING: SEE TABLE BELOW
   CORNER/EDGE ZONE DIMENSION a: = 9'-0"
   MEAN ROOF DECK HEIGHT h: = REF. PLAN

ULTIMATE WALL PRESSURES PSF		
COMPONENT WIND AREA	CORNER ZONE 5	INTERIOR ZONE 4
10 SQ. FT.	+20.9, -27.9	+20.9, -22.7
50 SQ. FT.	+19.9, -26.2	+19.9, -21.8
100 SQ. FT.	+17.8, -21.8	+17.8, -19.6
PARAPETS	N/A	N/A

ULTIMATE ROOF PRESSURES (*) PSF				
COMPONENT WIND AREA	CORNER ZONE 3	EDGE ZONE 2	INTERIOR ZONE 1	INTERIOR ZONE 1*
10 SQ. FT.	+16.0, -59.9	+16.0, -43.9	+16.0, -33.4	+16.0, -19.2
50 SQ. FT.	+16.0, -54.3	+16.0, -41.1	+16.0, -31.2	+16.0, -19.2
100 SQ. FT.	+16.0, -41.1	+16.0, -34.6	+16.0, -26.1	+16.0, -19.2
OVERHANGS 10 SQ. FT.	N/A, -56.8	N/A, -40.8	N/A, -30.2	N/A, -30.2

7. SEISMIC LOADS:
   I_e = 1.0
   S_S = 0.34g
   S_1 = 0.085g
   SITE CLASS D
   S_{DS} = 0.347g
   S_{D1} = 0.136g
   DESIGN CATEGORY: C
   BASIC SEISMIC-FORCE-RESISTING SYSTEM: CONCRETE WALL
   ANALYSIS PROCEDURE: SIMPLIFIED ANALYSIS
8. SNOW LOADS:
   GROUND SNOW P_g = 10 PSF
   FLAT ROOF SNOW P_f = 10 PSF
   C_e = 1.0
   I_S = 1.0
   C_t = 1.0

CONCRETE

1. ALL CONCRETE SHALL BE NORMAL WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS. (U.N.O.).
2. CEMENT SHALL CONFORM TO ASTMC150, AND SHALL BE TYPE I OR TYPE II MATERIAL, U.N.O. MAXIMUM WATER TO CEMENT RATIO SHALL BE 0.55.
3. MINIMUM CEMENT CONTENT SHALL BE 5 SACKS PER CUBIC YARD.
4. TYPE C OR F FLY ASH MAY BE USED UP TO 20% OF TOTAL CEMENT CONTENT BY VOLUME. THIS IS ONLY FOR CONCRETE SPECIFIED IN THESE STRUCTURAL DRAWINGS. REFER TO SPECIFICATIONS BY OTHER DISCIPLINES.
5. MAXIMUM SLUMP SHALL BE 5 IN., U.N.O.
6. MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE'S "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 301.
7. CONCRETE MIX SHALL NOT USE ANY ADMIXTURES WHICH CONTAIN CALCIUM CHLORIDE.
8. CONCRETE TEST REPORTS SHALL BE MADE AVAILABLE AT THE JOB SITE. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN PER SPECIFICATIONS PRIOR TO PLACEMENT CONCRETE.

REINFORCING STEEL

1. BARS SHALL BE ASTM A615, GRADE 60.
2. DETAIL, FABRICATE, AND PLACE IN CONFORMANCE WITH ACI 315 AND 318.
3. LAP ALL REINFORCING STEEL 40 BAR DIAMETERS (U.N.O.).
4. LAP CONTINUOUS BARS IN GRADE BEAMS 40 BAR DIAMETERS (U.N.O. ON DRAWINGS). TOP BARS TO BE SPLICED BETWEEN SUPPORTS AND BOTTOM BARS TO BE SPLICED AT SUPPORTS, AS APPLICABLE.
5. PROVIDE ACCESSORIES FOR SUPPORT OF ALL REINFORCING.
6. SUBMIT SHOP DRAWINGS SHOWING ALL REINFORCING FOR APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
7. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

	MINIMUM COVER, IN.
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
B. CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THROUGH #18 BAR	2
#5 BAR, W31 OR D31 WIRE, AND SMALLER	1½
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS:	
#14 AND #18 BARS	1½
#11 BAR AND SMALLER	¾
BEAMS, COLUMNS:	
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1½

POST-INSTALLED ANCHORS

1. EXCEPT WHERE INDICATED ON THE DRAWINGS, THE FOLLOWING HILTI OR SIMPSON PRODUCTS MAY BE USED. CONTACT HILTI AT (800) 879-8000 OR SIMPSON AT WWW.STRONGTIE.COM FOR PRODUCT RELATED QUESTIONS.
   A. ANCHORAGE TO CONCRETE
      a. ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
         (1) HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HIT-Z ROD OR HAS -E THREADED ROD PER ICC-ES ESR-3187.
         (2) SIMPSON SET-3G SYSTEM WITH F1554 THREADED ROD PER ICC-ES ESR-4057
      b. MEDIUM DUTY MECHANICAL ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
         (1) HILTI KWIK HUS EZ AND KWIK HUS EZ-I SCREW ANCHORS PER ICC-ES ESR-3027
         (2) SIMPSON TITEN HD SCREW ANCHORS PER ICC-ES ESR-2713
         (3) SIMPSON TITEN HD STAINLESS STEEL SCREW ANCHOR PER IAMPO UES ER-493
   B. REBAR DOWELING INTO CONCRETE
      a. ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE:
         (1) HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC ESR-3187.
         (2) SIMPSON SET-3G SYSTEM WITH CONTINUOUSLY DEFORMED REBAR PER ICC-ES ESR-4057.
2. ANCHOR CAPACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED OR SUCH OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
3. INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
4. CONTRACTOR SHALL USE THE NECESSARY MEANS, AS REQUIRED BY OSHA, TO PROTECT FROM DUST DURING DRILLING OPERATIONS.
5. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS. THREADED ROD AND REBAR DIAMETERS AND EMBEDMENT LENGTHS SHALL BE AS NOTED ON DRAWINGS.
6. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING PRODUCTS WHICH HAVE SPECIFIC APPLICATIONS THAT ARE INTENDED FOR OVERHEAD USE.
7. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.
8. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
9. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS.

STRUCTURAL STEEL

1. MATERIALS (SHAPES NOT OTHERWISE INDICATED ARE PERMITTED TO BE ASTM A36 MATERIAL)

SHAPE TYPE	ASTM DESIGNATION
W-SHAPES	A992
M, S, HP-SHAPES	A572, Gr. 50
C, MC-SHAPES	A992
L-SHAPES	A572, Gr. 50
HSS-RECTANGULAR	A500, Gr. C
HSS-ROUND	A500, Gr. C
PIPE	A53, Gr. B
PLATES	A572, Gr. 50
ANCHOR BOLTS	F1554, Gr. 55
HIGH STRENGTH BOLTS	F3125, Gr. A325 (TYPICAL U.O.N.)
COMMON BOLTS	A307, Gr.A
NUTS	A563
WASHERS-PLAIN	F844 (TYPICAL U.O.N.)
WASHERS-HARDENED	F436 (USE WHEN INDICATED IN DOCUMENTS)

2. STEEL DESIGN IS BASED ON THE CURRENT AISC MANUAL OF STEEL CONSTRUCTION (ASD).
3. WELDING ELECTRODES SHALL BE SERIES E70XX.
4. PERFORM WELDING IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY'S AWS D1.1 "STRUCTURAL WELDING CODE".
5. STEEL FABRICATORS SHALL BE A COMPANY THAT IS CERTIFIED BY AISC. (NOTE - IF NOT CERTIFIED BY AISC, THEN SPECIAL INSPECTION FOR REVIEW OF SHOP FABRICATION AND QUALITY CONTROL PROCEDURES IS REQUIRED.)
6. SUBMIT SHOP DRAWINGS SHOWING LAYOUT OF MEMBERS, BRIDGING, BRACING AND ERECTION DETAILS.
7. SHOP PAINT: STANDARD RED PRIMER, U.N.O. IN SPECIFICATIONS. CONTRACTOR TO COORDINATE PAINT WITH PROPOSED FINISHES AS APPLICABLE.
8. FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL.

LIGHT GAGE METAL FRAMING

1. STEEL STUD SIZES SHALL BE AS NOTED ON THE DRAWINGS, CONFORMING TO SSMA STANDARDS.
2. FABRICATE AND ERECT AS SPECIFIED. MANUFACTURER SHALL SUPPLY ALL CLIPS, FASTENERS, TEMPORARY BRACING, ACCESSORIES, STANDARD BRIDGING, ETC.
3. ALL STEEL STUDS SHALL HAVE A MINIMUM 15/8 " FLANGE WITH A 1/2" RETURN (U.N.O.).
4. ALL STUDS 18 GAGE AND THINNER SHALL HAVE A MINIMUM YIELD STRENGTH, Fy, OF 33 KSI AND TENSILE STRENGTH, Fu, OF 45 KSI. ALL STUDS 16 GAGE AND THICKER SHALL HAVE A MINIMUM STRENGTH OF 50 KSI AND TENSILE STRENGTH OF 65 KSI (U.N.O.).
5. TRACK SECTIONS SHALL BE EQUAL GRADE AND GAGE THICKNESS OF STUDS BEING USED. TYPICAL, U.N.O.
6. ALL FASTENERS SHALL BE SELF-TAPPING NO. 12-14 GAGE SCREWS, OR WELD IN ACCORDANCE WITH SECTION 6.0 OF THE AMERICAN WELDING SOCIETY'S "STRUCTURAL WELDING CODE - SHEET METAL" (AWS D1.3) AS SHOWN ON DRAWINGS.

Statement of Special Inspections

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- ☐ Soils and Foundations
- ☒ Concrete Construction
- ☐ Masonry Construction
- ☒ Steel Construction
- ☐ Wood Construction
- ☐ Special Cases

General Notes

The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

The qualifications of all personnel performing Special Inspections and testing activities are subject to the approval of the Building Official and E.O.R. The credentials of all inspectors and testing technicians shall be provided if requested.

The special inspectors shall keep records of inspections and shall furnish inspection reports to the owner, Engineer of Record (E.O.R.) and Architect of Record (A.O.R.). Field and testing result reports shall be submitted to all designated parties as they are completed. The reports shall indicate that the work performed was done in accordance to the construction drawings. Discrepancies shall be brought to the attention of the general contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the E.O.R. prior to completion of that phase of work. A final report that documents required special inspections and corrections of discrepancies shall be submitted by the General Contractor to the Owner, E.O.R. and A.O.R.

Steel Construction

Item	Scope	Monitoring: Periodic (P) Continuous (C)
1. Bolting	*Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension control bolts. Verify proper tightening sequence. Continuous inspection of bolts in slip-critical connections. Bolted connections shall be tested for the snug tight method (25% of the bolted connections shall be inspected for this method.)*	P/C
2. Welding	*Visually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds.* *Ultrasonic testing of all full-penetration welds.* *• Complete and partial penetration groove welds shall be inspected continuously* *• Multi-pass fillet welds shall be inspected continuously.* *• Single-pass fillet welds (> 5/16") shall be inspected continuously.* *• Single-pass fillet welds (< 5/16") shall be inspected periodically.* *• Floor and deck welds shall be inspected periodically.*	
3. Shear connectors	*Inspect size, number, positioning and welding of shear connectors. inspect studs for full 360 degree flash. Ring test all shear connectors with a 3 lb nammer. Bend test all questionable studs to 15 degrees.*	C
4. Structural Details	*Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.*	P

Concrete Construction

Item	Scope	Monitoring: Periodic (P) Continuous (C)
1. Mix Design	*Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design. Submit proposed mix design of each class of concrete to Structural Engineer of Record and to inspection and testing firm for review prior to commencement of work.*	P
2. Material Certification	*Review for conformance to contract documents. Submit to Structural Engineer of Record for review.*	P
3. Reinforcement Installation	*Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters. Submit certified copies of mill test report of reinforcement materials analysis.*	P
4. Concrete Placement	*Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.*	C
5. Anchor Rod	*Inspect size positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.*	C
6. Anchors Post-installed in Hardened Concrete	*a. Adhesive anchors installed in horizontally or upwardly inclined orientation to resist sustained tension loads. (ACI318:17.8.2.4)* *b. Mechanical anchors or adhesive anchors not defined in 6a. (ACI318: 17.8.2)*	C P
7. Sampling and Testing of Concrete	*Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064). Three concrete test cylinders will be taken for every 75 or less cubic yards of each class of concrete placed, or concrete placed on any given day. One additional test cylinder will be taken during cold weather concreting, cured on job site under same conditions as concrete represents.*	C
8. Curing and Protection	*Inspect curing, cold weather protection and hot weather protection procedures.*	P

Note: Special Inspection is not required for flatwork patios, driveways and sidewalks, on grade not shown on structural drawings.

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2948 N. Stemmons Freeway
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www.rara.net

REMODEL

PROJECT NAME

SLICK CITY

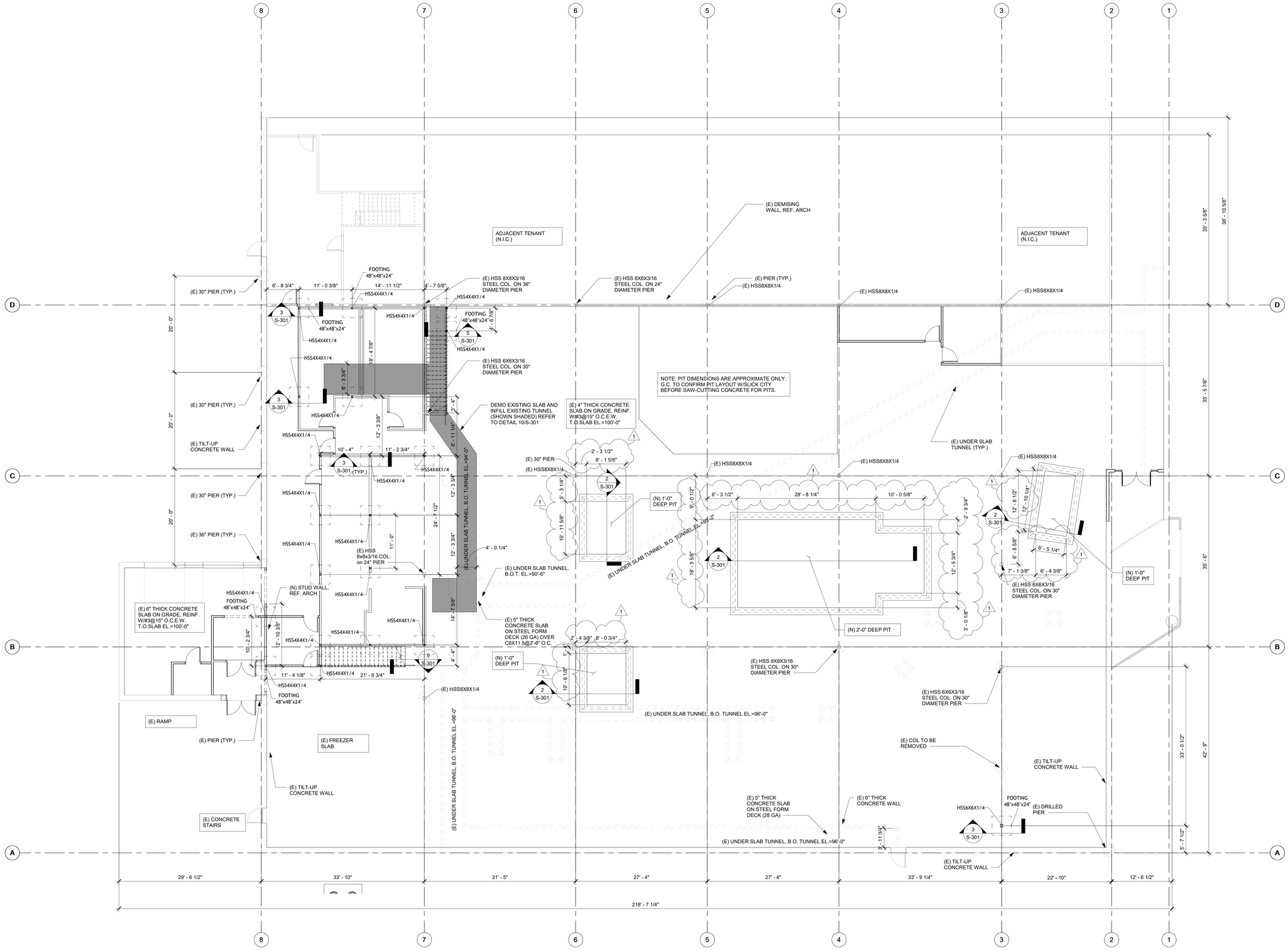
1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
STRUCTURAL NOTES & SPECIAL INSPECTIONS

SHEET NUMBER

S-001



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

TYPICAL FOUNDATION PLAN NOTES

1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND SPECIAL INSPECTION REQUIREMENTS.
2. FIELD VERIFY AND COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. FIELD VERIFY ALL EXISTING FOUNDATION/FRAMING CONDITIONS. NOTIFY THE ARCHITECT AND ENGINEER OF RECORD OF ANY DISCREPANCIES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR FINISH AND JOINT PATTERNS ON CONCRETE SLAB.
5. REFER TO S-301 FOR TYPICAL DETAILS NOT OTHERWISE INDICATED ON PLAN.

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SLICK CITY

1100 W. MAIN ST.
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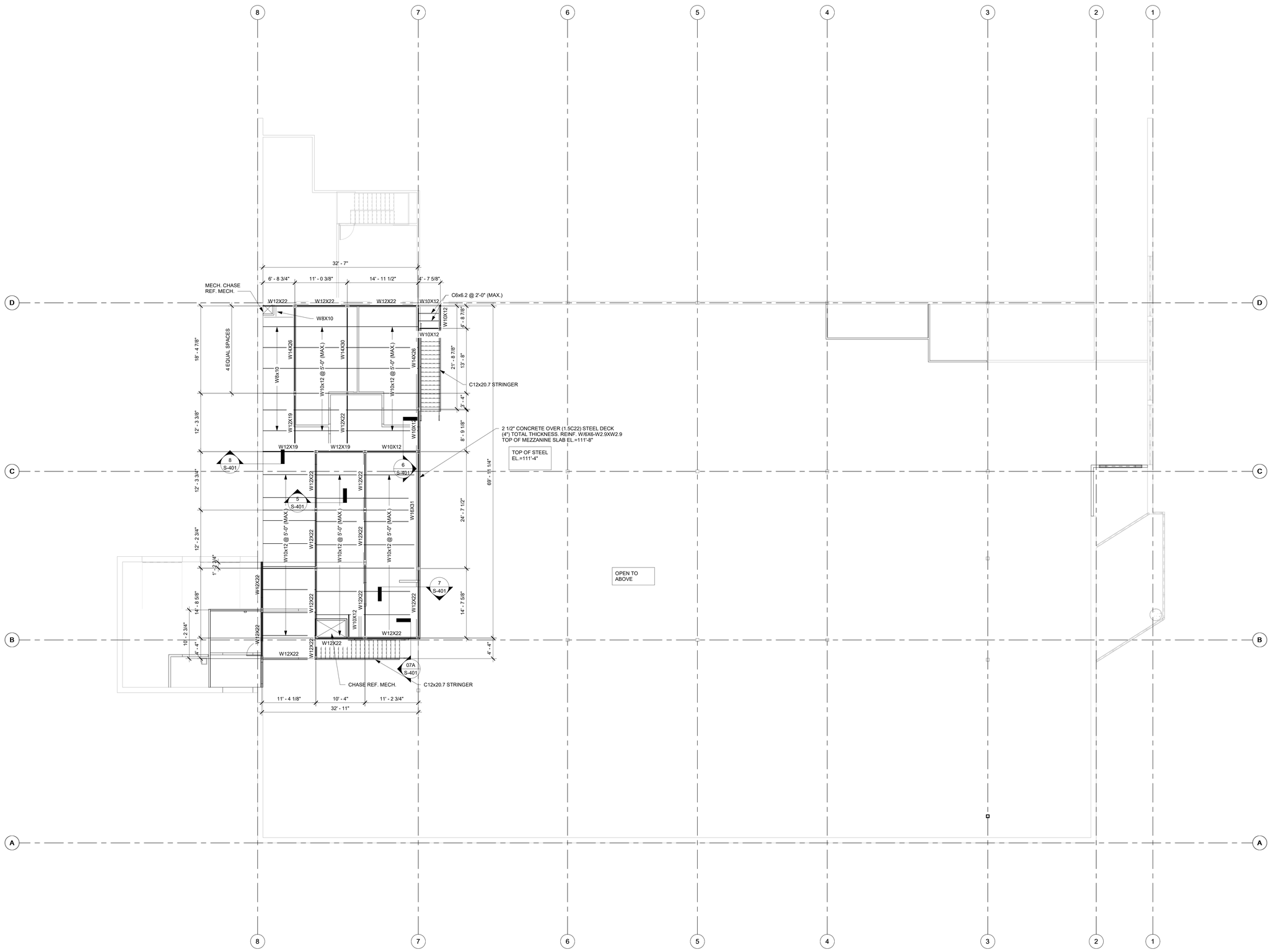
PROJECT NUMBER
26-0061

SHEET TITLE
FOUNDATION PLAN

SHEET NUMBER
S-101



1 MEZZANINE FRAMING PLAN
1/8" = 1'-0"

TYPICAL FRAMING PLAN NOTES

1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND SPECIAL INSPECTION REQUIREMENTS.
2. FIELD VERIFY AND COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. FIELD VERIFY ALL EXISTING FOUNDATION/FRAMING CONDITIONS. NOTIFY THE ARCHITECT AND ENGINEER OF RECORD OF ANY DISCREPANCIES.

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SLICK CITY

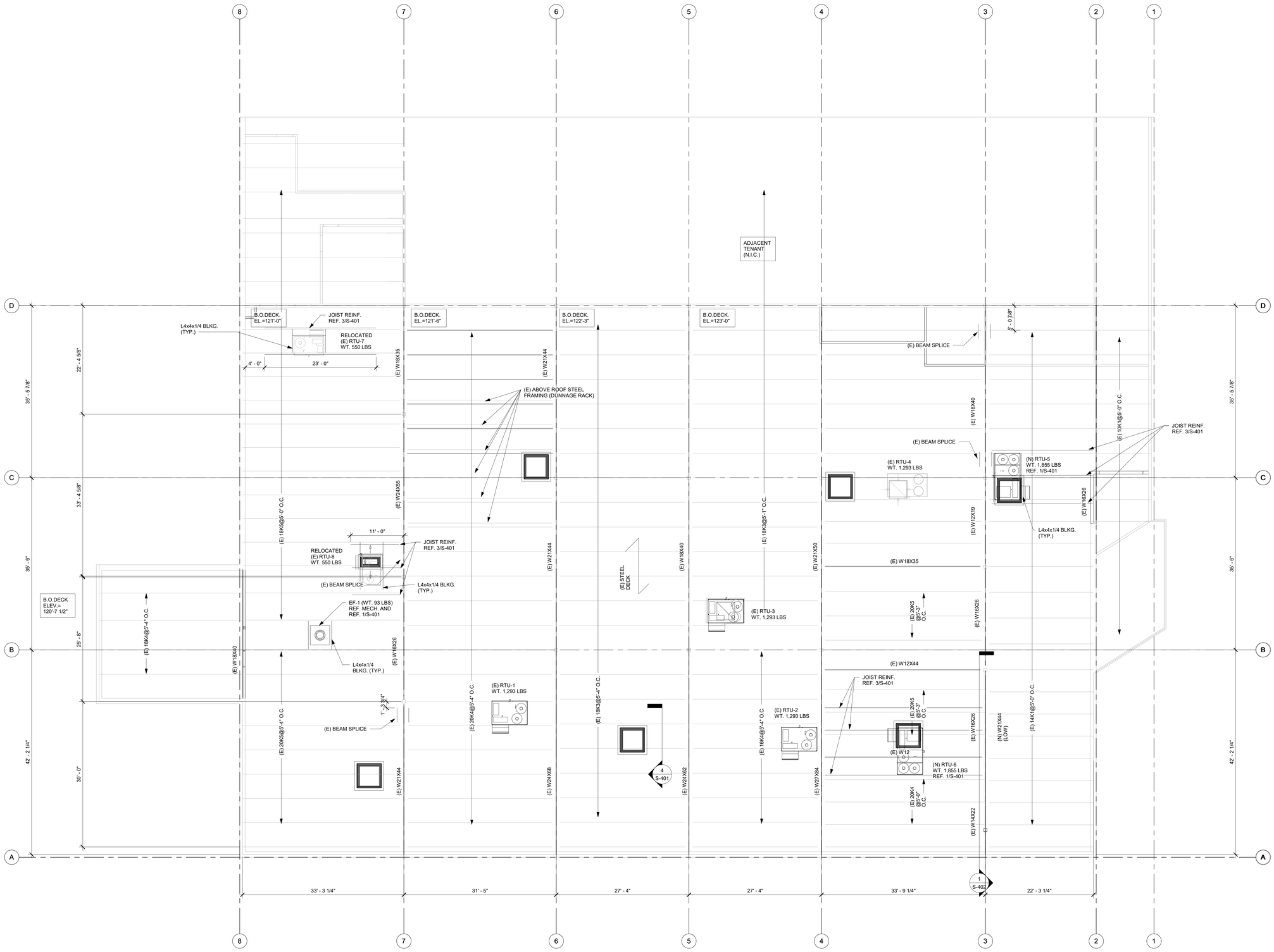
1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
MEZZANINE FRAMING PLAN

SHEET NUMBER

S-102



1 ROOF FRAMING PLAN
1/8" = 1'-0"

TYPICAL FRAMING PLAN NOTES

1. REFER TO SHEET S-001 FOR STRUCTURAL NOTES AND SPECIAL INSPECTION REQUIREMENTS.
2. FIELD VERIFY AND COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
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SLICK CITY

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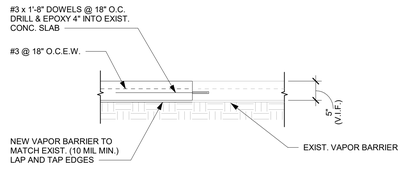
NORMAN, OK 73069

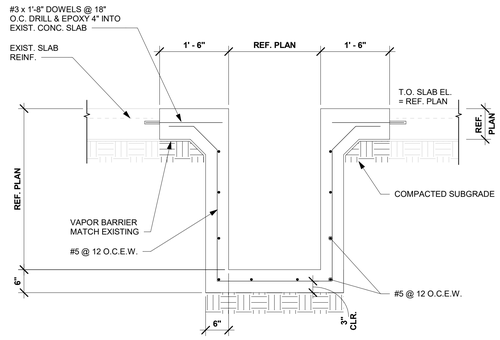
PROJECT NUMBER
26-0061

SHEET TITLE
ROOF FRAMING PLAN

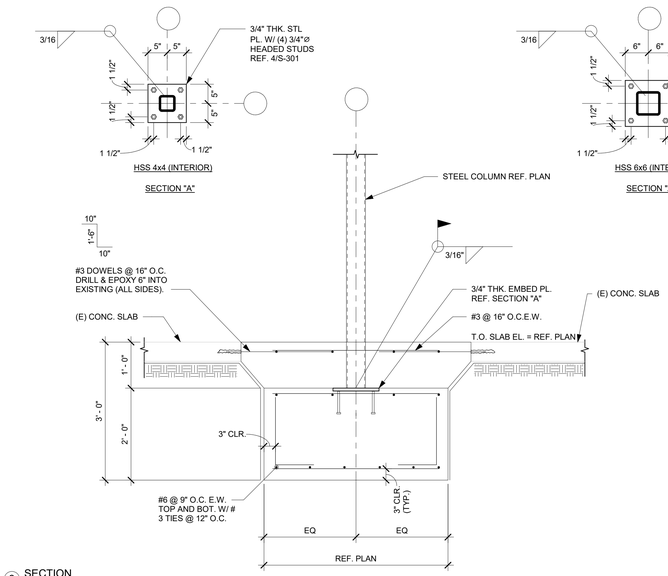
SHEET NUMBER
S-103



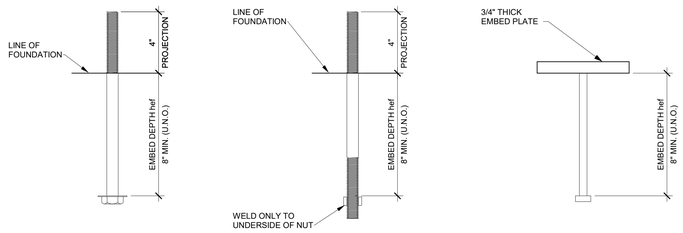
1 TYPICAL SLAB REPAIR SECTION
3/4" = 1'-0"



2 TYPICAL SECTION AT PIT
3/4" = 1'-0"



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

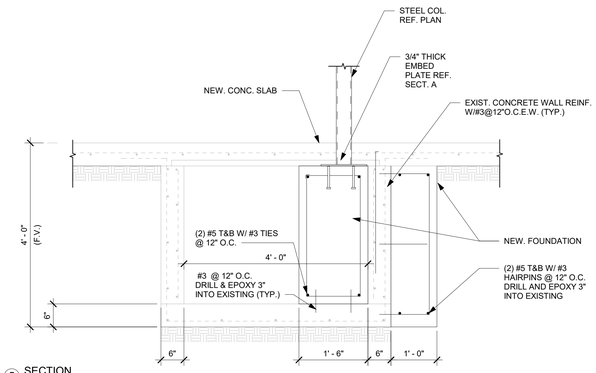


(a) HEADED (b) THREADED W/ NUT (c) EMBED PLATE W/ HEADED STUD

ANCHOR NOTE:

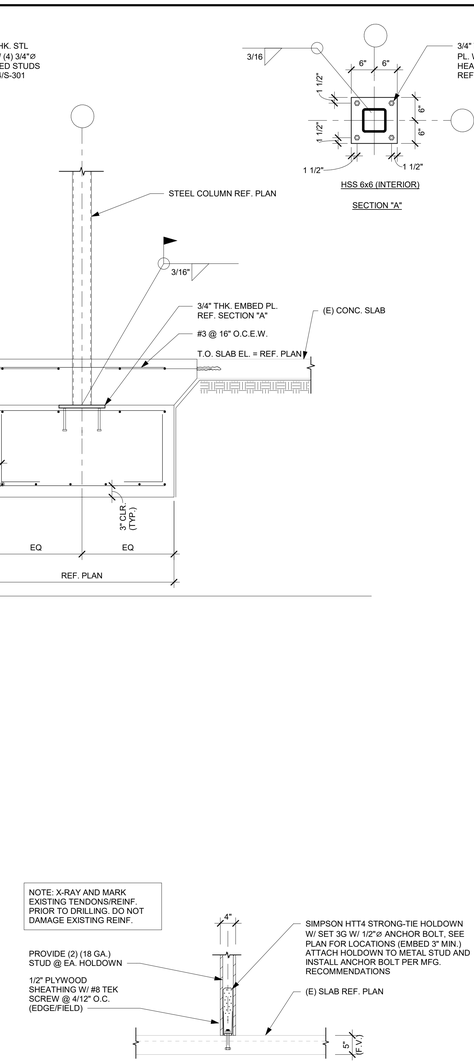
1. TYPE (a) OR (b) ANCHOR RODS ARE ACCEPTABLE FOR USE IN ALL CONDITIONS.
2. ALL BASE PLATES TO BE SET W/ LEVELING NUT & WASHER BELOW BASE PLATE.
3. ALL ANCHOR BOLTS TO BE 3/4"ø MIN. (U.N.O.)
4. ANCHOR BOLTS TO BE ASTM F1554, GR. 55 MATERIAL (U.N.O.).

4 TYPICAL ANCHOR BOLT DETAILS
3" = 1'-0"

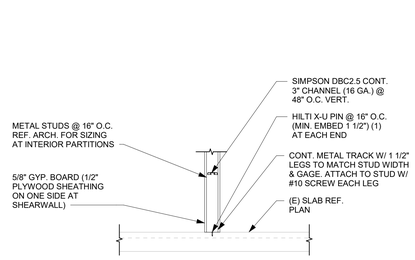


5 SECTION
3/4" = 1'-0"

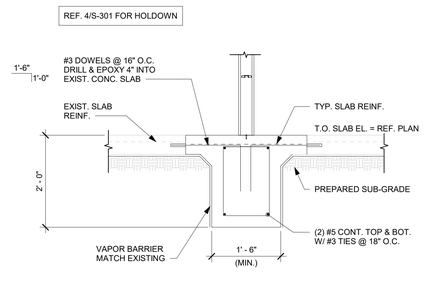
NOTE: X-RAY AND MARK EXISTING TENDONS/REINF. PRIOR TO DRILLING. DO NOT DAMAGE EXISTING REINF.



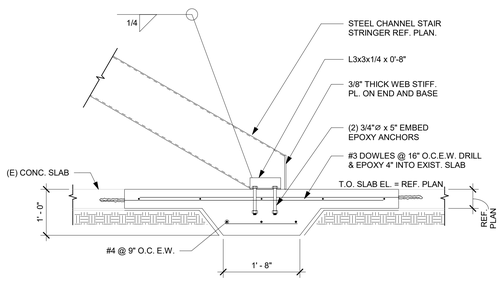
6 SECTION
3/4" = 1'-0"



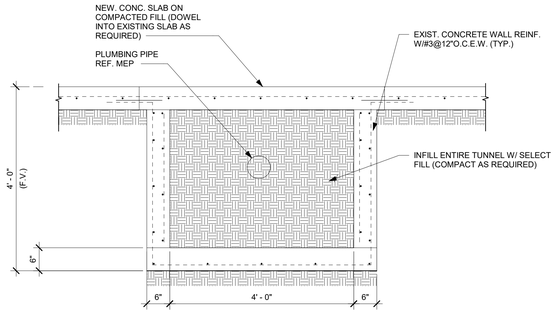
7 SECTION
3/4" = 1'-0"



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



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



10 TUNNEL INFILL
3/4" = 1'-0"

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REMODEL

PROJECT NAME

SLICK CITY

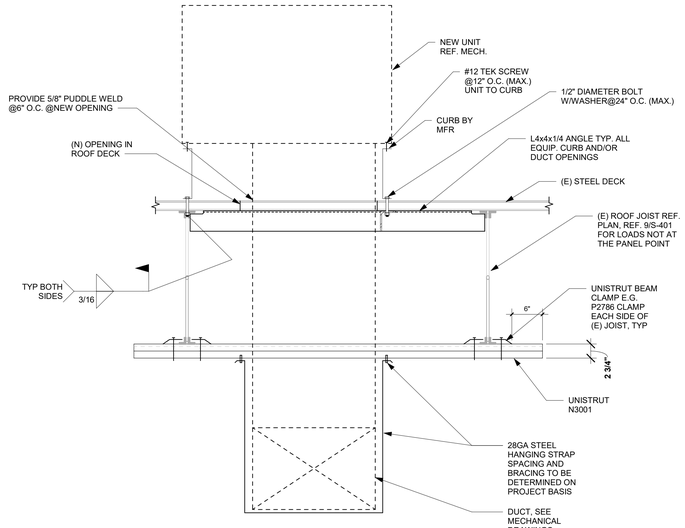
1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
FOUNDATION SECTIONS & DETAILS

SHEET NUMBER

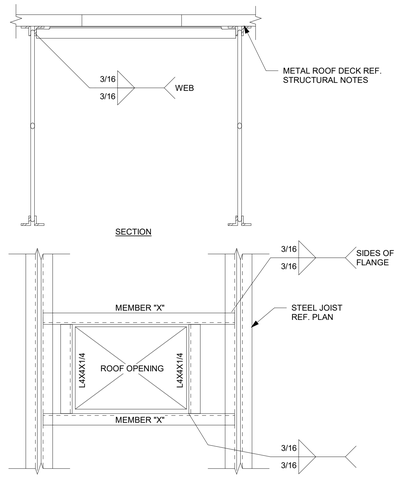
S-301



NOTES

1. ALL HANGERS AND ATTACHEMENTS SHALL BE CONCENTRIC WITH BOTTOM CHORD.
2. DO NOT ADD POINT LOADS TO EXISTING DECK.
3. DO NOT MODIFY EXISTING LOADS UNO.

1 ROOF OPENING AT RTU
N.T.S.



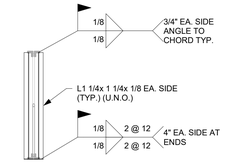
NOTES:

1. OPENINGS LESS THAN 1'-0" x 1'-0" REQUIRE SUMP PAN ONLY.

2. VERIFY SIZE AND LOCATION OF OPENINGS WITH MECHANICAL AND ARCHITECTURAL ROOF PLANS.

LENGTH	MEMBER "X"
0 TO 1'-0"	NONE
1'-1" TO 4'-6"	L4x4x1/4
4'-7" TO 6'-0"	L4x4x5/16
6'-1" TO 8'-0"	L4x4x3/8
8'-1" TO 10'-0"	L6x4x3/8 (LLV)

2 TYPICAL EQUIPMENT BLOCKING
N.T.S.

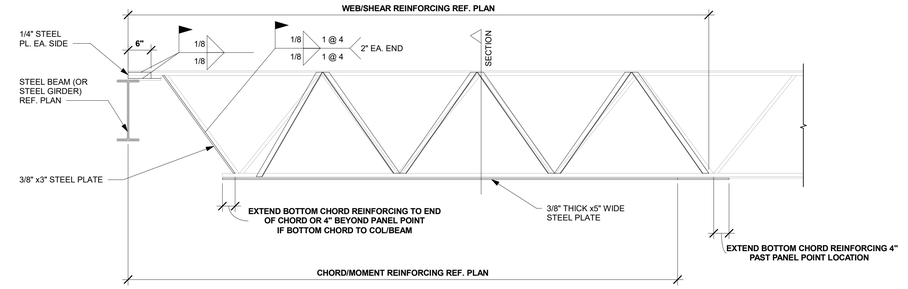


JOIST REINFORCING NOTES:

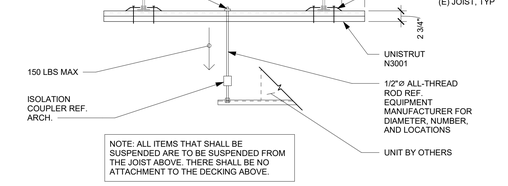
1. PROVIDE TEMPORARY SHORING OF JOIST DURING INSTALLATION OR REINFORCING TO REMOVE ANY POSSIBLE LIVE LOAD DEFLECTIONS OF JOIST.

2. INSTALL REINFORCING PRIOR TO INSTALLATION OF PERMANENT DEAD LOAD FROM NEW EQUIPMENT.

3. SPLICE BOTTOM CHORD REINFORCING PLATE AS REQUIRED USING CJP (COMPLETE JOINT PENETRATION) WELDS.



3 JOIST REINFORCEMENT
3/4" = 1'-0"



NOTE: ALL ITEMS THAT SHALL BE SUSPENDED ARE TO BE SUSPENDED FROM THE JOIST ABOVE. THERE SHALL BE NO ATTACHMENT TO THE DECKING ABOVE.

4 HANGING MECH. UNIT (AS REQUIRED)
3/4" = 1'-0"

CONCRETE & STEEL DECK NOT SHOWN FOR CLARITY. REF. 7/S-401 FOR INFO.

5 TYPICAL BEAM TO BEAM CONNECTION
3/4" = 1'-0"

BOLT QUANTITY SCHEDULE	
BEAM SIZE	BOLT QUANTITY
W8	2
W10	2
W12	3
W14	3
W16	4
W18	4

6 TYP. STEEL WIDE FLANGE BEAM TO HSS COLUMN CONNECTION
3/4" = 1'-0"

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

07A SECTION
3/4" = 1'-0"

BEAM SIZE	ANGLE	BOLTS W/ 4" EMBED
W8x10	L4x4x3/8 x0'-6"	2 (1/2"ø)
W10x12	L4x4x5/8 x0'-7"	2 (5/8"ø)

8 TYP. STEEL WIDE FLANGE BEAM TO HSS COLUMN CONNECTION
3/4" = 1'-0"

NOTES:

1. THIS DETAIL APPLIES WHERE A CONCENTRATED LOAD GREATER THAN 100LBS OCCURS MORE THAN 4" AWAY FROM A JOIST TOP OR BOTTOM CHORD PANEL POINT.

2. MAXIMUM LOAD TO BE APPLIED WITHOUT SEOR REVIEW AND APPROVAL IS 250LBS.

3. DO NOT PLACE CONCENTRATED LOADS CLOSER THAN 4'-0" O.C. WITHOUT SEOR REVIEW AND APPROVAL.

4. ALL HANGERS OR ATTACHMENTS TO JOISTS SHALL BE PLACED CONCENTRIC WITH THE TOP AND BOTTOM CHORDS AND NOT TO JUST ONE ANGLE OF CHORD.

9 TYPICAL JOIST REINFORCEMENT
3/4" = 1'-0"

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OKLAHOMA
COMMONWEALTH OF

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TENANT FINISHOUT

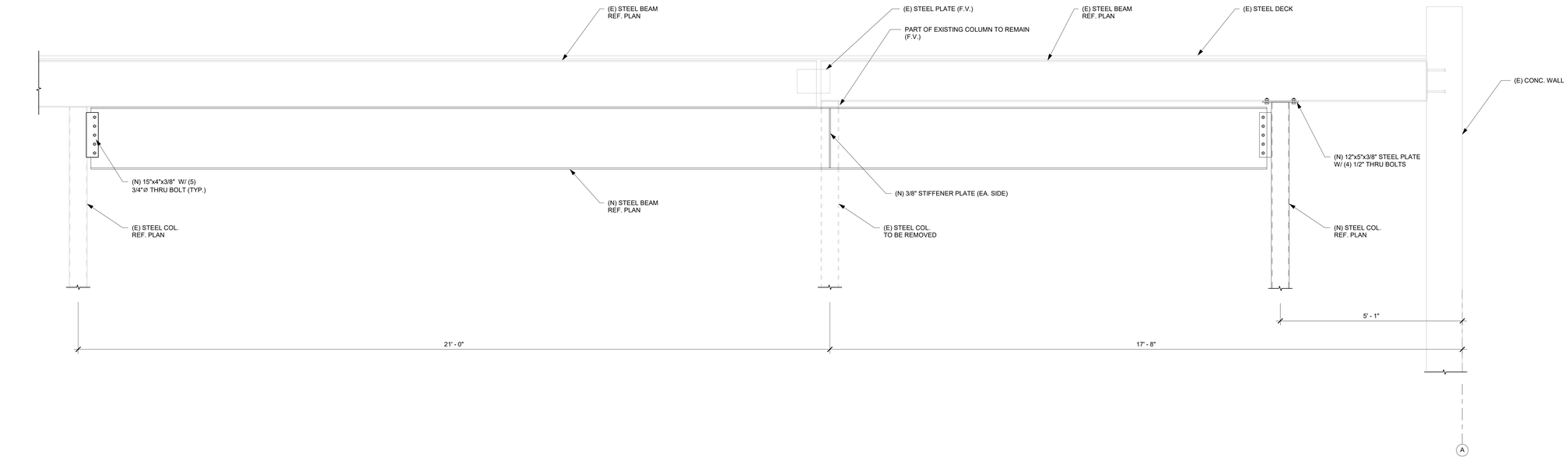
PROJECT NAME
SLICK CITY

1100 W. MAIN ST.
NORMAN, OK 73069

PROJECT NUMBER
26-0061

SHEET TITLE
FRAMING DETAILS

SHEET NUMBER
S-401



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

Apogee
Architectural Partners
A Dpld Ltd Company

16775 ADDISON ROAD, SUITE 350
ADDISON, TX 75001
PH: (469) 960-2322

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ISSUE RECORD

DESCRIPTION	DATE
ISSUE FOR PERMIT	6/22/2026

REVISION RECORD

NO	DATE	REVISION

PROFESSIONAL SEAL

REGISTERED PROFESSIONAL ENGINEER
RONALD A. ROBERTS
17105
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SHEET TITLE
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SHEET NUMBER
S-402