



Chisolm Trail Ranch
5309 McPherson Blvd.
Suite 230
Fort Worth, Texas 76123



entos
design

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Approved: _____ Date: _____

PREPARED BY: QK CHECKED BY: AC

ALTERNATES

ALT. NOT USED.

ABBREVIATIONS

| | | |
|------------|---|---|
| 1 HR | - | ONE HOUR |
| A.F.F. | - | ABOVE FINISHED FLOOR |
| ADA | - | AMERICANS WITH DISABILITIES ACT |
| ADDL | - | ADDITIONAL |
| ADJ | - | ADJUSTABLE |
| AMP | - | AMPERE |
| ASM | - | ASSEMBLY |
| BD | - | BOARD |
| BLDG | - | BUILDING |
| BLKG | - | BLOCKING |
| CAB | - | CABINET |
| CLG | - | CEILING |
| CLR | - | CLEAR |
| COL | - | COLUMN |
| CONTR | - | CONTRACTOR |
| CONST | - | CONSTRUCTION |
| D | - | DEPTH |
| DR | - | DOOR |
| DWG | - | DRAWING |
| ELEC | - | ELECTRICAL |
| EL. | - | ELEVATION |
| ENG | - | ENGINEER |
| EQ | - | EQUAL |
| ETR | - | EXISTING TO REMAIN |
| FE | - | FIRE EXTINGUISHER |
| FEC | - | FIRE EXTINGUISHER CABINET |
| FHC | - | FIRE HOSE CABINET |
| FIN | - | FINISH |
| FLUOR | - | FLUORESCENT |
| GA | - | GAUGE |
| GC | - | GENERAL CONTRACTOR |
| GL | - | GLASS |
| GYP. BD. | - | GYPSON BOARD |
| H | - | HEIGHT |
| HC | - | HANDICAPPED |
| HM | - | HOLLOW METAL |
| HORIZ | - | HORIZONTAL |
| HDWE | - | HARDWARE |
| HDWD | - | HARDWOOD |
| HVAC | - | HEATING, VENTILATION & AIR CONDITIONING |
| I.T.F. | - | INFORMATION TO FOLLOW |
| INSL | - | INSTALLATION |
| MAX | - | MAXIMUM |
| MDF | - | MEDIUM DENSITY FIBERBOARD |
| MIN | - | MINIMUM |
| MFG | - | MANUFACTURER |
| N.I.C. | - | NOT IN CONTRACT |
| NON. COMB. | - | NON-COMBUSTIBLE |
| NR | - | NON-RATED |
| N.T.S. | - | NOT TO SCALE |
| O.C. | - | ON CENTER |
| O.H. | - | OPPOSITE HAND |
| OPGN | - | OPENING |
| ORG | - | ORGANIC |
| OSHA | - | OCCUPATIONAL SAFETY HEALTH ADMINISTRATION |
| PART | - | PARTICLE |
| PR | - | PAIR |
| PREFAB | - | PREFABRICATION |
| QTY | - | QUANTITY |
| REC | - | RECESSED |
| REF | - | REFERENCE |
| REQD | - | REQUIRED |
| S.C. | - | SOLID CORE |
| SIM | - | SIMILAR |
| S.S. | - | STAINLESS STEEL |
| STD | - | STANDARD |
| TAS | - | TEXAS ACCESSIBILITY STANDARDS |
| T.B.D. | - | TO BE DETERMINED |
| T.B.S. | - | TO BE SELECTED |
| T-STAT | - | THERMOSTAT |
| U.N.O. | - | UNLESS NOTED OTHERWISE |
| V | - | VOLTS |
| VERT | - | VERTICAL |
| V.I.F. | - | VERIFY IN FIELD |
| V.O.C. | - | VOLATILE ORGANIC COMPOUND |
| VoIP | - | VOICE OVER INTERNET PROTOCOL |
| W | - | WIDTH |
| W/ | - | WITH |
| WD | - | WOOD |
| W/O | - | WITHOUT |

PROJECT CONTACT INFORMATION

OWNER'S REPRESENTATIVE
TIFF'S TREATS
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OCCUPANT'S REPRESENTATIVE
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PROJECT DESCRIPTION

1,625 SQUARE FEET

9 OCCUPANTS

INTERIOR TENANT IMPROVEMENT WITHOUT CHANGE IN OCCUPANCY AND WITHOUT WITHOUT STRUCTURAL ALTERATION.

OCCUPANCY GROUP "B" - BUSINESS RETAIL FOOD PROCESSING NOT ASSOCIATED WITH RESTAURANT AND DINING FACILITY UNDER 2,500 S.F.

OF STORIES IN BUILDING - 01

CURRENT CODES

| | | |
|---------------|---|-----------|
| BUILDING | - | 2015 IBC |
| FIRE SAFETY | - | 2015 IFC |
| MECHANICAL | - | 2015 IMC |
| PLUMBING | - | 2015 IPC |
| ENERGY | - | 2015 IECC |
| ELECTRICAL | - | 2020 NEC |
| ACCESSIBILITY | - | 2012 TAS |

DRAWING INDEX

| | |
|---------------|---|
| G0.01 | COVER SHEET |
| G1.01 | LIFE SAFETY PLAN AND SITE LOCATION |
| G2.01 | GENERAL NOTES |
| A1.01 | PARTITION SECTIONS |
| A1.02 | DOOR SCHEDULE |
| A1.03 | GLAZING TYPES |
| A2.01 | NOT USED |
| A3.01 | ARCHITECTURAL PLAN |
| A4.01 | ENLARGED PLANS |
| A5.01 | ARCHITECTURAL DETAILS |
| I1.01 | ACCESSIBILITY STANDARDS |
| I2.01 | NOT USED |
| I3.01 | REFLECTED CEILING PLAN |
| I4.01 | FINISH PLAN |
| I5.01 | INTERIOR ELEVATIONS |
| I5.02 | INTERIOR ELEVATIONS |
| I6.01 | INTERIOR SECTIONS |
| Q1.01 | EQUIPMENT PLAN |
| E1.01 | ELECTRICAL PLAN |
| MEP0.1 | COVER SHEET SYMBOLS |
| MEP0.2 | COVER SHEET NOTES |
| M1.01 | MECHANICAL FLOOR PLAN |
| M2.01 | MECHANICAL SCHEDULES |
| M3.01 | MECHANICAL DETAILS |

E1.01 LIGHTING FLOOR PLAN
E2.01 POWER FLOOR PLAN
E2.02 MECHANICAL AND PLUMBING POWER
E3.01 DETAILS - ELECTRICAL
E3.02 SCHEDULES AND DIAGRAMS - ELECTRICAL

P1.01 PLUMBING FLOOR PLAN
P2.01 PLUMBING SCHEDULES AND RISERS
P3.01 PLUMBING DETAILS
P3.02 PLUMBING DETAILS

| | | |
|------------|---------------|-------------|
| △ | Addendum #1 | 07/13/2021 |
| | For Review | 06/10/2021 |
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Project ID: 17-1045-L079

Sheet Title
Cover Sheet

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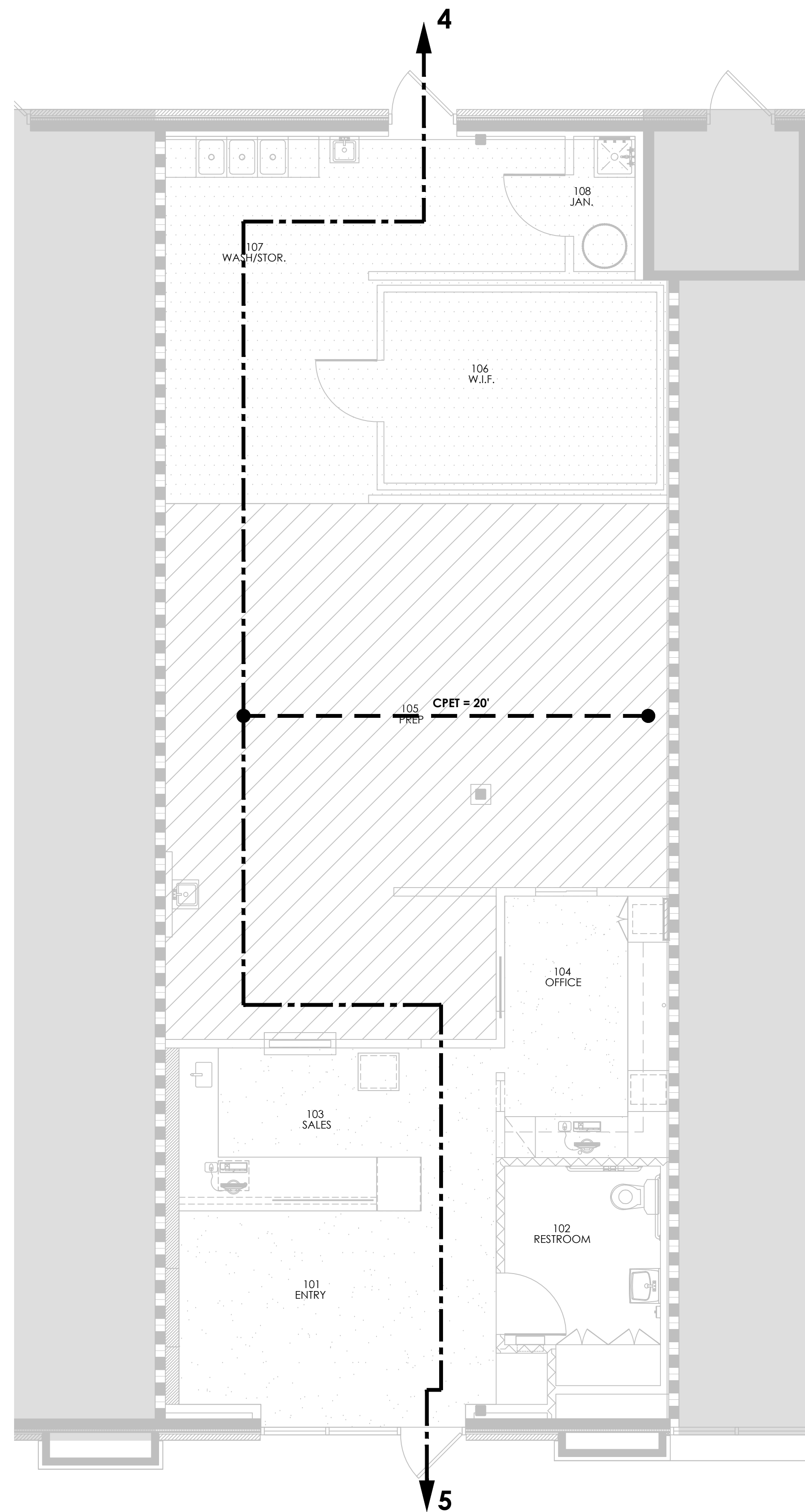
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OCCUPANCY

OCCUPANCY LOAD SUMMARY - SCOPE OF WORK

| OCCUPANT USE | AREA (S.F.) | LOAD FACTOR | # OF OCCUPANTS |
|--------------|-------------|-------------|----------------|
| B OCCUPANCY | 319 | 100 | 4 |
| A2 OCCUPANCY | 581 | 200 | 3 |
| S OCCUPANCY | 426 | 300 | 2 |
| TOTAL | 1326 | | 9 |

MEANS OF EGRESS

FULLY FIRE SPRINKLERED - YES
EMERGENCY VOICE ALARM COMMUNICATION SYSTEM

EGRESS - SCOPE OF WORK

| PATH OF TRAVEL | MAX. DISTANCE ALLOWED | ACTUAL DISTANCE |
|-----------------------|-----------------------|-----------------|
| COMMON PATH OF TRAVEL | 100' | 20' |
| DEAD END | 50' | 0' |

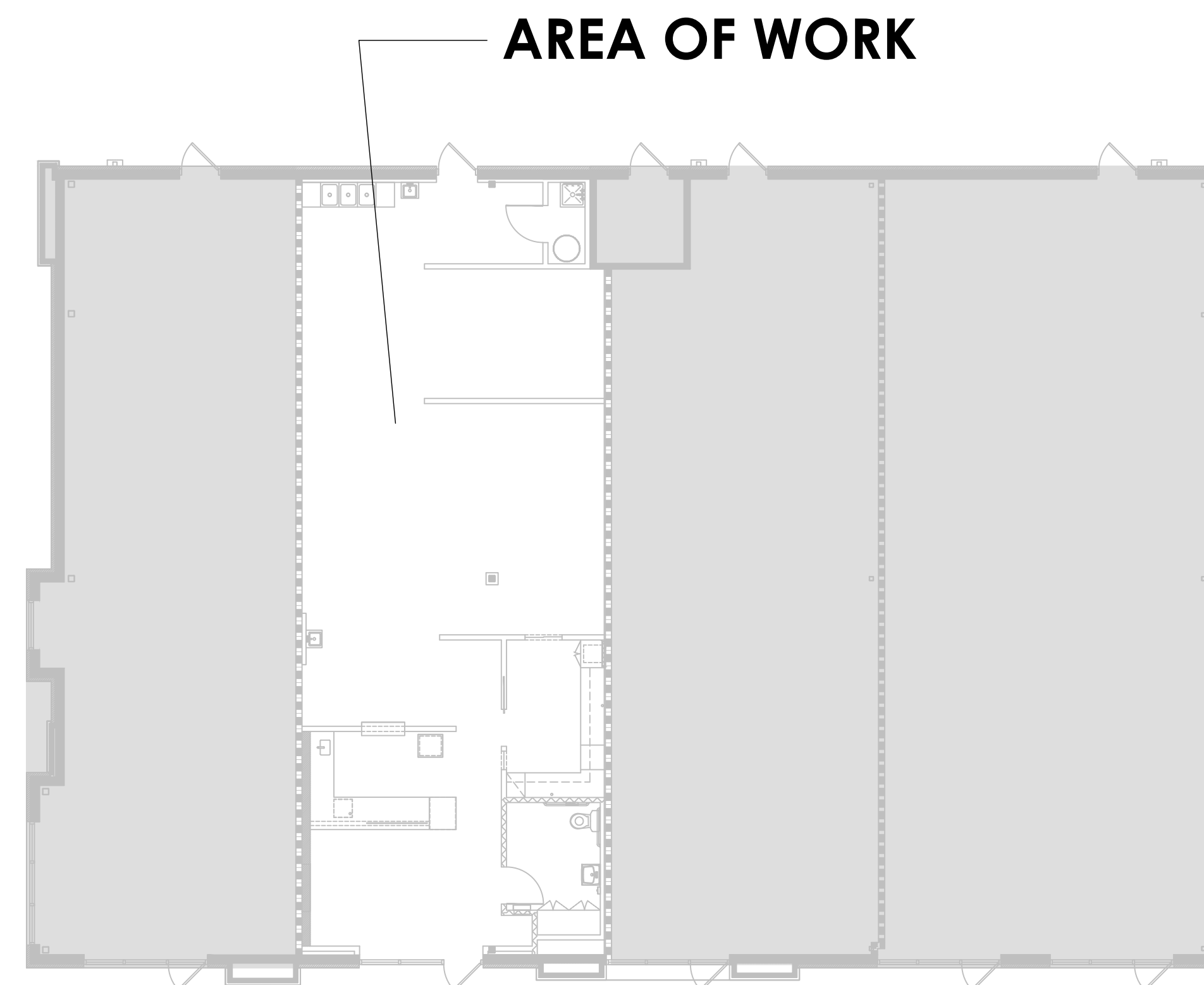
LEGEND

GENERAL

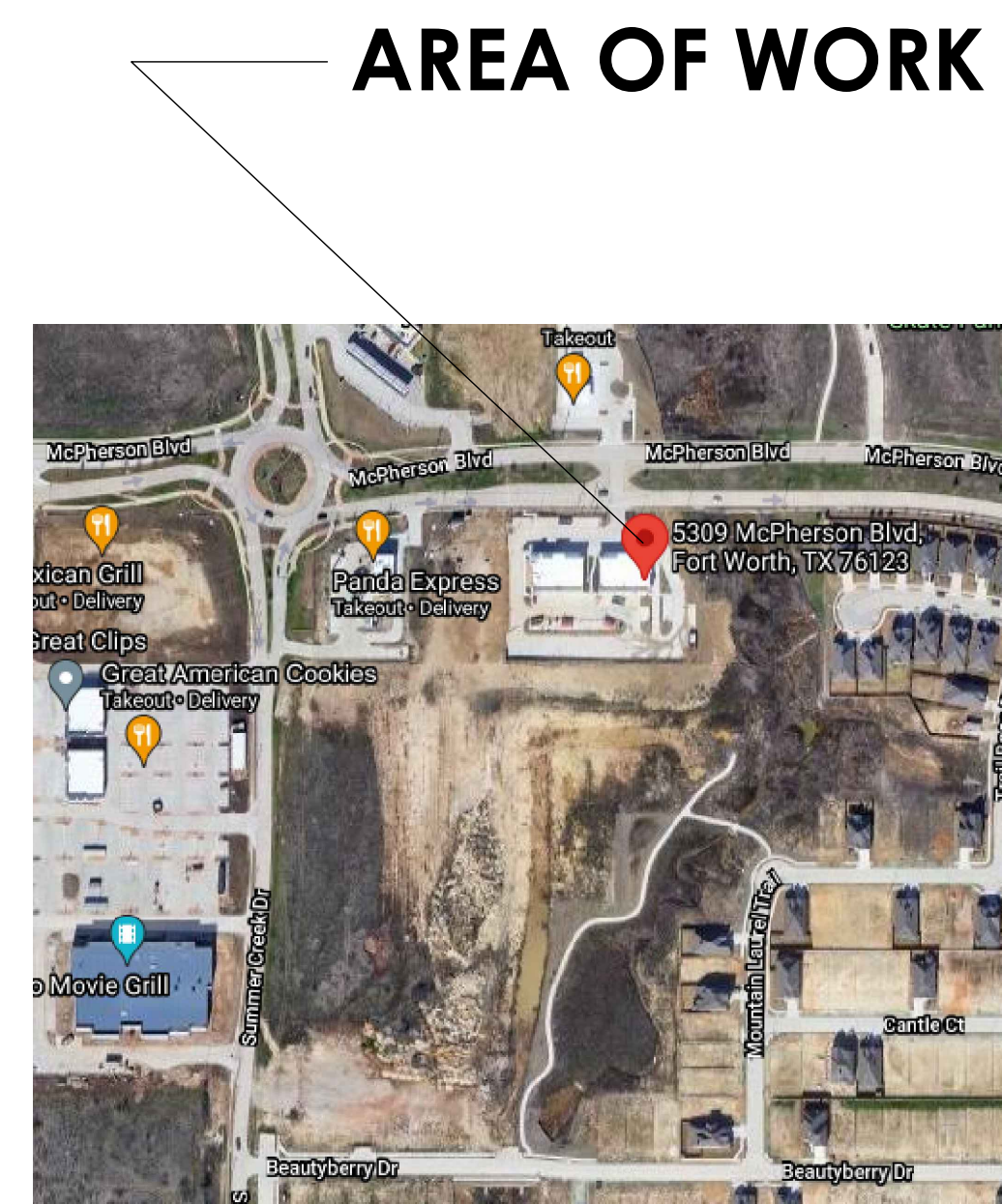
- COMMON PATH OF TRAVEL
- TRAVEL DISTANCE (CONTINUED AFTER CPOT)
- DEAD END
- QUANTITY OF OCCUPANTS TO EXIT SUITE

OCCUPANCY TYPE

- BUSINESS (1:100)
- A2 (1:200)
- STORAGE (1:300)



02 Key Plan
Scale: N.T.S.



03 Site Location
Scale: N.T.S.

01 Life Safety Plan
Scale: 1/4" = 1'-0"

| | |
|-------------|------------|
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Sheet Title
**Life Safety Plan,
Key Plan and
Site Location**

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G1.01



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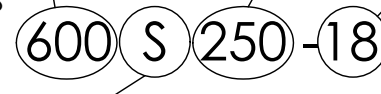
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MEMBER DEPTH:
(EXAMPLE: 6" = 600 X
1/100 INCHES) ALL
MEMBER DEPTHS ARE
TAKEN IN 1/100 INCHES
FOR ALL "T" SECTIONS
MEMBERS DEPTH IS THE
INSIDE DIMENSION.

FLANGE DEPTH:
(EXAMPLE: 2 5/8" = 2.50" OR
250 X 1/100 INCHES)

MATERIAL THICKNESS:
(EXAMPLE: .018 IN. = 18
MILS: 1 MIL = 1/1000 IN.)
MATERIAL THICKNESS IS
THE MINIMUM BSE METAL
THICKNESS REPRESENTS
95% OF THE DESIGN
THICKNESS.

STYLE:
(EXAMPLE: STUD OR JOIST
SECTION = S)



INTERIOR NON-STRUCTURAL COMPOSITE:

| | (S) STUD MEMBER | 2 1/2" | SPACING (IN.) O.C. | 5 PSF L/240 |
|--------|-----------------|--------|--------------------|-------------|
| 25 GA. | 250S125-18 | | 12" | 10'-6" |
| | 250S125-18 | | 16" | 9'-7" |
| | 250S125-18 | | 24" | 8'-3" |
| 20 GA. | 250S125-33 | | 12" | 13'-2" |
| | 250S125-33 | | 16" | 12'-0" |
| | 250S125-33 | | 24" | 10'-6" |
| 18 GA. | 250S125-43 | | 12" | 14'-4" |
| | 250S125-43 | | 16" | 13'-0" |
| | 250S125-43 | | 24" | 11'-5" |

| | (S) STUD MEMBER | 3 5/8" | SPACING (IN.) O.C. | 5 PSF L/240 |
|--------|-----------------|--------|--------------------|-------------|
| 25 GA. | 362S125-18 | | 12" | 14'-0" |
| | 362S125-18 | | 16" | 12'-2" |
| | 362S125-18 | | 24" | 9'-11"e |
| 20 GA. | 362S125-33 | | 12" | 17'-7" |
| | 362S125-33 | | 16" | 16'-0" |
| | 362S125-33 | | 24" | 14'-0" |
| 18 GA. | 362S125-43 | | 12" | 19'-2" |
| | 362S125-43 | | 16" | 17'-5" |
| | 362S125-43 | | 24" | 15'-3" |

"e" WEB STIFFENER REQUIRED AT ENDS.

| | (S) STUD MEMBER | 6" | SPACING (IN.) O.C. | 5 PSF L/240 |
|--------|-----------------|----|--------------------|-------------|
| 20 GA. | 600S125-33 | | 12" | 26'-2" |
| | 600S125-33 | | 16" | 23'-9" |
| | 600S125-33 | | 24" | 20'-6" |
| 18 GA. | 600S125-43 | | 12" | 28'-9" |
| | 600S125-43 | | 16" | 26'-1" |
| | 600S125-43 | | 24" | 22'-10" |
| 16 GA. | 600S125-54 | | 12" | 30'-9" |
| | 600S125-54 | | 16" | 27'-11" |
| | 600S125-54 | | 24" | 24'-5" |

NOTE: ALL STUD INFORMATION IS BASED ON STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) ICC#ER-4943p. SEE SSMA FOR COMPLETE CHARTS.

Limiting Wall Height Table

Deflection L/240

NOTES/SPECIFICATIONS

DRYWALL AND PARTITIONS

- STUD SPACING AND GAUGE SHALL BE BASED UPON MANUFACTURER'S ALLOWABLE HEIGHT CHARTS. LIMIT DEFLECTION OF PARTITIONS TO FOLLOWING:
 - BASED ON 5 PSF UNIFORM DESIGN LOAD
 - ALL PARTITIONS: L/120 DEFLECTION.
 - PARTITIONS TO RECEIVE CERAMIC TILE: L/240.
- NOTIFY ARCHITECT SHOULD PARTITION HEIGHT EXCEED STUD MANUFACTURER'S ALLOWABLE HEIGHT CHART.
- SOUND BATT INSULATION WHERE SCHEDULED SHALL COMPLY WITH ASTM C 665, TYPE I, GLASS FIBER COMPOSITION, UNFACED. NON-COMBUSTIBLE WHEN TESTED IN ACCORDANCE WITH ASTM E 136.
- INSTALL PARTITION AND CEILING FRAMING IN ACCORDANCE WITH ASTM C 754 AND MANUFACTURER'S INSTRUCTIONS.
- INSTALL GYPSUM PANELS IN ACCORDANCE WITH ASTM 754, GA-216 AND MANUFACTURER'S INSTRUCTIONS.
- INSTALL ACOUSTICAL PARTITIONS AS FOLLOWS:
 - EXTEND ACOUSTICAL PARTITIONS PAST INTERSECTING NON-ACOUSTICAL PARTITIONS.
 - FILL WALL CAVITY WITH SOUND BATTS. ELIMINATE ALL VOIDS.
 - SEAL ACOUSTICAL PARTITION AT PERIMETER AND/OR AROUND PENETRATIONS WITH CONTINUOUS BEAD OF SEALER. IN FIRE RATED PARTITIONS, USE FIRE STOPPING SEALER. IN ACOUSTICAL PARTITIONS, USE ACOUSTICAL SEALER. SEAL SPACE BETWEEN GYP. BOARD PANEL AT CONTROL JOINTS, PRIOR TO INSTALLING METAL CONTROL JOINTS.
- INSTALL ACCESSORIES AS FOLLOWS:
 - INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - INSTALL CORNER REINFORCEMENT AT OUTSIDE CORNERS.
 - USE SINGLE LENGTHS WHERE LENGTH OF CORNER DOES NOT EXCEED STANDARD HEIGHT.
 - INSTALL CONTROL JOINTS AT FULL HEIGHT PARTITIONS AT MAXIMUM OF 30' APART. CONTROL JOINTS MAY BE INSTALLED AT BOTH SIDES OF THE DOOR HEADER.
 - INSTALL CONTROL JOINT IN GYP. BOARD CEILING AT MAXIMUM OF 50' OR MAXIMUM OF 2500 S.F.
- FOR PARTITIONS UNDER 10'-0" HIGH OR LESS, USE VERTICAL INSTALLATION OR PARTITIONS OVER 10'-0" HIGH USE HORIZONTAL INSTALLATION AND STAGGERED PANELS.
- PROVIDE BRACING ABOVE CEILING WHEN LONG UNBRACED WALL LENGTHS OCCUR AND AT ALL DOOR AND GLAZED OPENINGS.
- PROVIDE HEADERS ABOVE DOOR AND GLAZED OPENINGS. GENERAL CONTRACTOR TO COORDINATE SIZE AND DETAILS OF HEADERS WITH DRYWALL AND GLAZING CONTRACTORS. DETAILS/SECTIONS SHOWN IN ARCHITECTURAL DRAWINGS FOR DESIGN INTENT ONLY.
- PROVIDE ACCESS PANELS OF THE APPROPRIATE FIRE RATING FOR MECHANICAL, ELECTRICAL OR PLUMBING ACCESS.
- USE REGULAR PAPER FACED GYPSUM BOARD FOR TYPICAL PARTITION CONSTRUCTION.
- USE TYPE 'X' GYPSUM BOARD AT FIRE RATED PARTITIONS.
- USE MOISTURE RESISTANT GYPSUM BOARD BEHIND TOILETS, LAVATORIES AND URINALS. ALSO USE IT IN ROOMS WITH HIGH HUMIDITY.
- USE CEMENT BOARD AT SHOWERS.
- USE IMPACT RESISTANT GYPSUM BOARD IN LOADING DOCKS, FREIGHT ELEVATOR LOBBIES AND DELIVERY CORRIDORS.

PARTITION LAYOUT

- PARTITIONS ARE TO THE CENTERLINE OF THE MULLION, U.N.O.
- DIMENSIONS, LOCATING DOORS, ARE TO THE INSIDE FACE OF THE JAMB, U.N.O.
- ALL DIMENSIONS ARE FROM FINISHED FACE TO FINISHED FACE, U.N.O.
- PARTITION LAYOUT SHALL BE APPROVED BY THE OCCUPANT'S REPRESENTATIVE.
- IF LAYOUT IS OFF BY MORE THAN 3", NOTIFY ARCHITECT.

ROUGH BLOCKING

- PROVIDE BLOCKING, NAILERS, GROUNDS, FURRING AND OTHER SIMILAR ITEMS REQUIRED TO RECEIVE AND SUPPORT MILLWORK AND OTHER WALL MOUNTED EQUIPMENT.
- FIRE RETARDANT WOOD SHALL BE USED AS REQUIRED BY IBC 603.1

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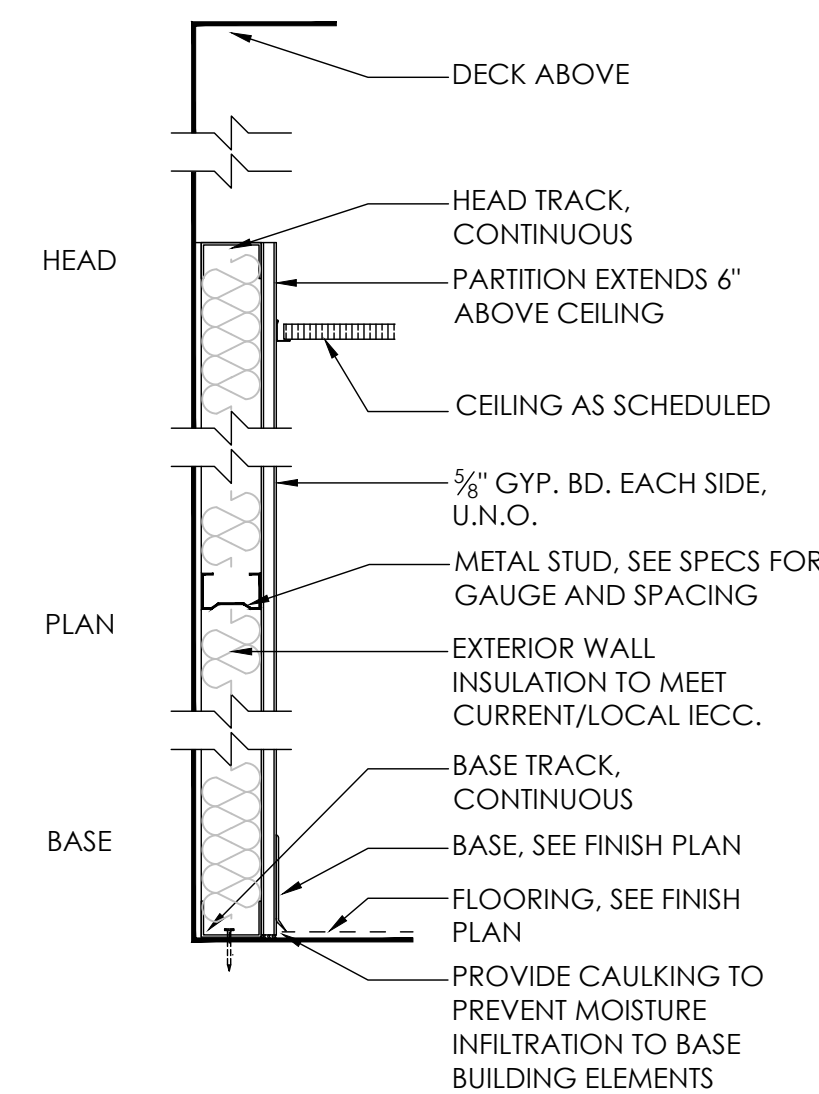
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Sections

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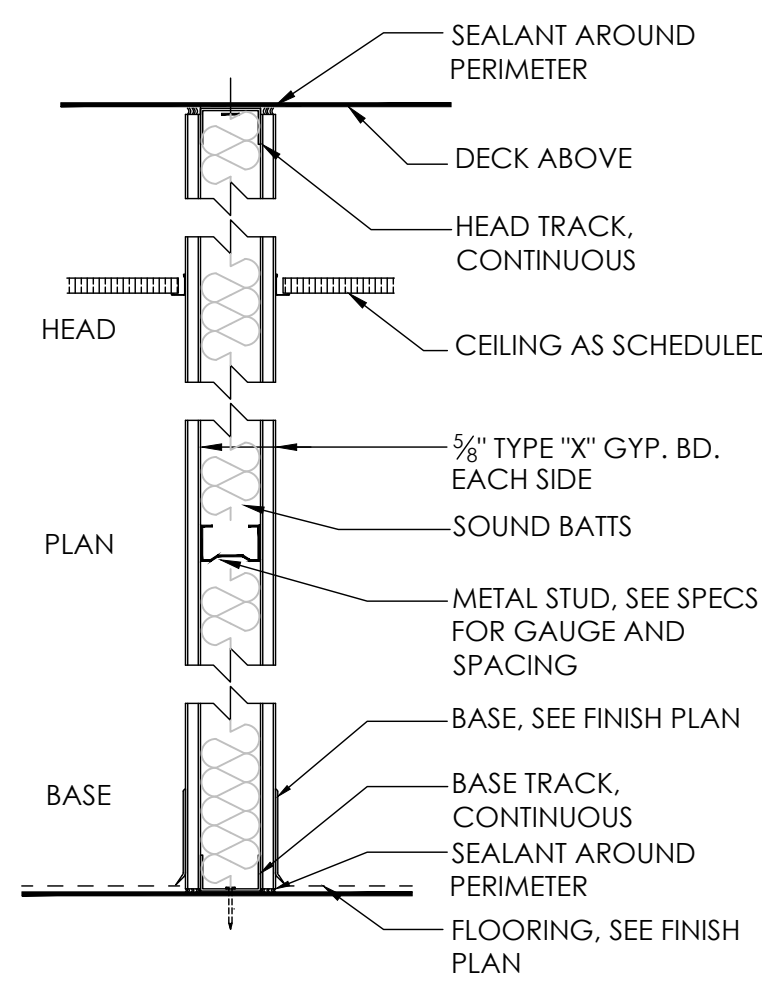
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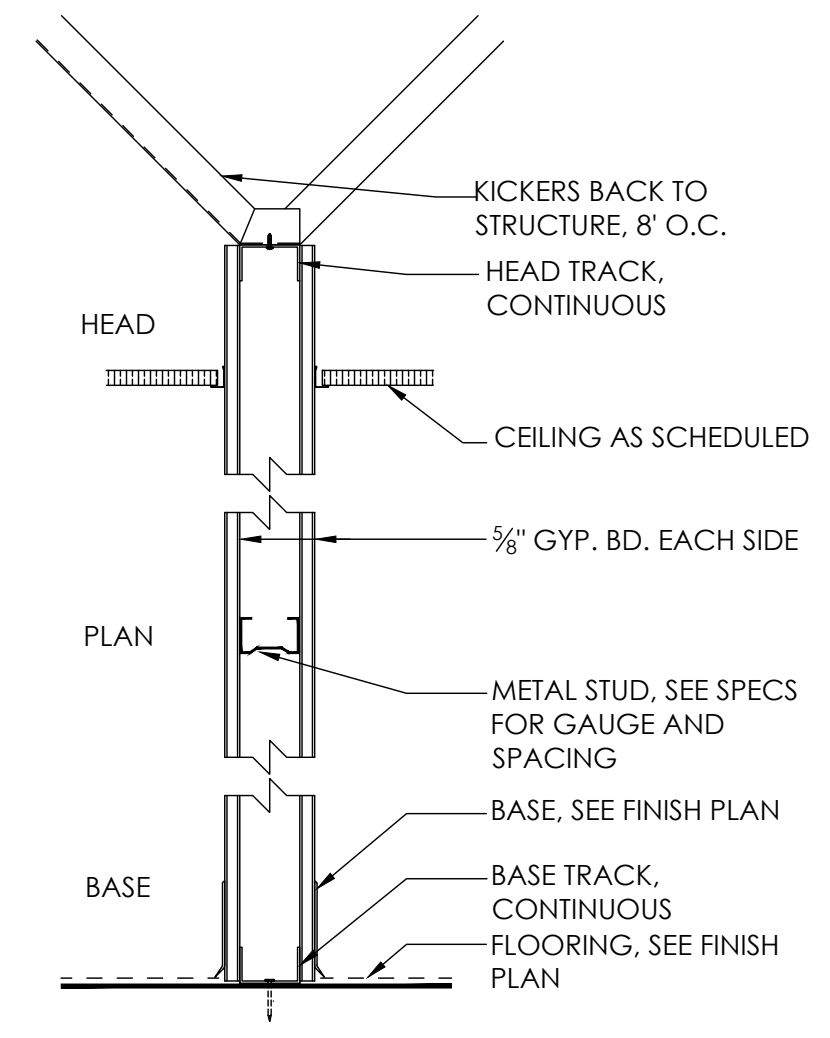
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G2 Interior Furring
2 1/2" STUD



D3 1 Hour Rated (UL U419)
3 5/8" STUD, 25 GAUGE, 24" O.C.
D6 1 Hour Rated (UL U419)
6" STUD



C2 Floor to 6" Above Ceiling
2 1/2" STUD C4 Floor to 6" Above Ceiling
4" STUD
C3 Floor to 6" Above Ceiling
3 5/8" STUD C6 Floor to 6" Above Ceiling
6" STUD

DOOR SCHEDULE

| MARK | OPENING SIZE | DOOR | | | FRAME | | | HDWE TYPE | RATING | COMMENTS |
|------|---------------|------|-----------------|------------------|-------|----------|----------------|-----------|--------|----------|
| | | TYPE | MATERIAL | FINISH | TYPE | MATERIAL | FINISH | | | |
| 102 | 3'-0" x 8'-0" | F | SOLID CORE WOOD | PLASTIC LAMINATE | 1 | ALUMINUM | CLEAR ANODIZED | 2 | - | - |
| 104 | 3'-0" x 8'-0" | P | SOLID CORE WOOD | PLASTIC LAMINATE | 2 | ALUMINUM | CLEAR ANODIZED | 3 | - | - |
| 108 | 3'-0" x 8'-0" | F | SOLID CORE WOOD | PLASTIC LAMINATE | 1 | ALUMINUM | CLEAR ANODIZED | 1 | - | - |

SPECIFICATIONS

* REFER SHEET A1.03 FOR ALL GLASS DOOR SPECIFICATIONS

DOOR

SOLID CORE DOOR
FLUSH, SOLID CORE, BONDED PARTICLE BOARD CORE, 5 PLY, VT INDUSTRIES OR EQUAL

DOOR

HEIGHT: 8'-0"
CORE: SOLID
PANEL: FLUSH
FINISH: PLASTIC LAMINATE PL-1 (LAMIN-ART PEARLESCENCE 2300-B PLATINUM CATALYST FINISH)

FRAME

ALUMINUM; RACO OR EQUAL, CLEAR ANODIZED

HARDWARE

LOCK SET

MFG: FALCON OR EQUAL
STYLE: CYLINDRICAL, T-SERIES (COMM. HEAVY DUTY), AVALON LEVER TRIM
FINISH: BRUSHED NICKEL

POCKET DOOR LOCK SET

MFG: ACCURATE 2002
STYLE: LOCK/PULL #2002CPDL-3, KEY OUTSIDE, THUMB TURN INSIDE
FINISH: STAINLESS STEEL

PRIVACY LOCK SET FOR RESTROOM

MFG: GRADE 2 TORONTO COMMERCIAL
STYLE: PRIVACY INDICATOR LOCK, LEVER HANDLE
PATTERN: STAINLESS STEEL COMMERCIAL GRADE 2
FINISH: SILVER

NOTES

DOORS

- INSTALL DOORS PLUMB AND LEVEL.
- PROVIDE A 1/2" UNDERCUT MAXIMUM.
- ENSURE DOORS OPERATE FREELY. MAXIMUM DIAGONAL TOLERANCE 1/4" MEASURED WITH STRAIGHT EDGE FROM CORNER TO CORNER.
- WOOD VENEER FACED DOORS TO MEET AWI PREMIUM QUALITY WITH BOOK MATCHED GRAIN, END MATCHED TRANSOMS, SPECIES AND CUT TO MATCH "BUILDING STANDARD"; U.N.O.

DOOR FRAMES

- FABRICATE FRAME TO PERMIT INSTALLATION OVER METAL STUD PARTITIONS FACED WITH GYP. BD.
- FRAME FASTENERS SHALL NOT BE EXPOSED.
- PROVIDE INTERNAL REINFORCEMENT FOR DOOR HARDWARE.
- SET FRAMES PLUMB AND LEVEL, FREE FROM WARP OR TWIST.
- RIGIDLY ATTACH USING FASTENERS OR TYPE BEST SUITED TO APPLICATION.
- FIT CORNER AND INTERSECTIONS TO BE FLUSH WITH HAIRLINE JOINTS.

DOOR HARDWARE

- ALL NEW PASSAGE/LOCK SETS SHALL BE LEVERS AND ACCESSIBILITY CODE COMPLIANT.
- INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- INSTALL LOCK SETS, CLOSERS AND TRIM AFTER FINISH PAINTING/STAINING.
- LOCATE ITEMS IN ACCORDANCE WITH BHMA RECOMMENDATIONS, UNLESS NOTED OTHERWISE.
- TEST AND ADJUST HARDWARE FOR QUIET, SMOOTH OPERATION, FREE OF STICKING, BINDING AND RATTLING.
- MOUNT CLOSER SO THAT CLOSER AND CLOSER ARM ARE NOT VISIBLE ON CORRIDOR SIDE.
- ADJUST DOOR CLOSER TO OPERATE DOOR IN ACCORDANCE WITH THE "ACCESSIBLE DOOR INSTALLATION GUIDE" NOTATIONS.
- PROVIDE THE APPROPRIATE NUMBER OF BUTTS FOR EACH DOOR.
- PROVIDE BALL BEARING HINGES AT FIRE RATED DOORS AND AT ALL DOORS OVER 3' WIDE.
- DOUBLE DOORS AT FIRE RATED WALLS SHALL RECEIVE DOOR COORDINATOR (BAR) CLOSER AT BOTH DOORS, ASTRAGAL MOUNTED ON ACTIVE LEAF AND CONCEALED AUTOMATIC FLUSH BOLTS INSTALLED ON INACTIVE LEAF, UNO.
- DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90° THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12° FROM THE LATCH IS 5 SECONDS MINIMUM.
- FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
 - INTERIOR HINGED DOORS AND GATES: 5 POUNDS (22.2 N) MAXIMUM.
 - SLIDING OR FOLDING DOORS: 5 POUNDS (22.2 N) MAXIMUM. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSED POSITION.
- FINISH OF HARDWARE TO COORDINATE WITH TRIM FINISH.
- HINGES - PROVIDE APPROPRIATE QUANTITY FOR DOOR SPEC.

HARDWARE

*ALL ITEMS MAY NOT APPLY

SET #E

EXISTING HARDWARE TO REMAIN
REPAIR AS REQUIRED TO BRING TO "LIKE NEW" CONDITION

SET #1

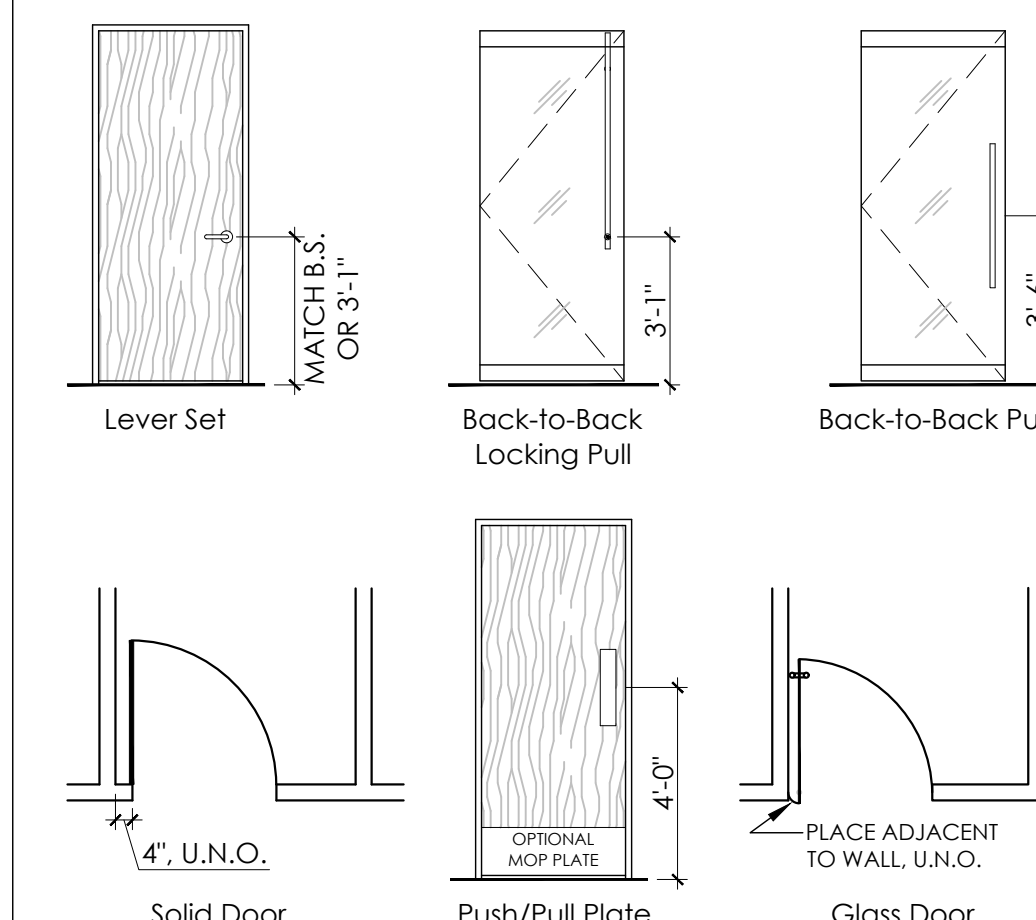
- PASSAGE SET - ADA COMPLIANT**
- HINGES
- PASSAGE FUNCTION LEVER HARDWARE SET
- SILENCERS
- DOOR STOP

SET #2

- PRIVACY LOCK SET - RESTROOM**
- SELF-CLOSING HINGES
- PRIVACY LOCK FUNCTION LEVER HARDWARE SET
- SILENCERS
- DOOR STOP

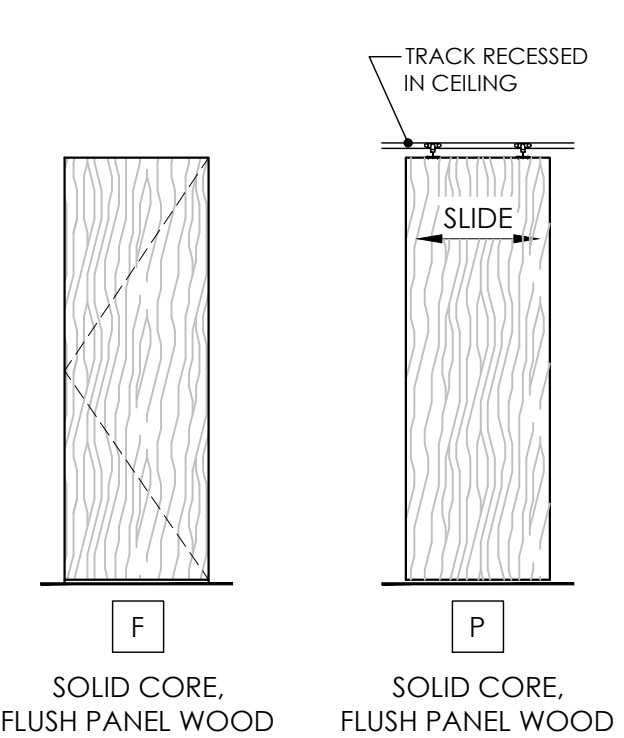
SET #3

- POCKET DOOR PRIVACY LOCK SET - OFFICE**
- LOCK PULLS
- THUMB-TURN INSIDE
- KEY OUTSIDE



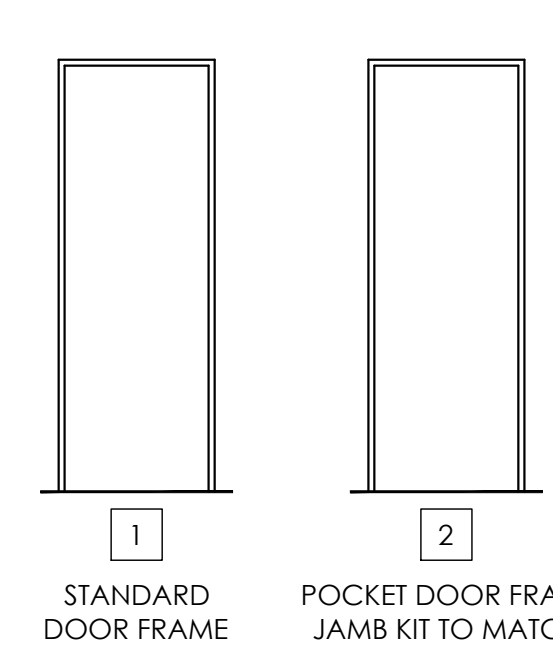
Door/Hardware Placement

Not To Scale



Solid Door Types

Not To Scale



Frame Types

Not To Scale



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| Addendum #1 | 07/13/2021 |
| For Review | 06/10/2021 |
| No. Issued | Date |



Chisolm Trail Ranch

**5309 McPherson Blvd.
Suite No: 230
Fort Worth, Texas 76123**

Project ID: 17-1045-L079

Sheet Title

Door Schedule

Sheet Number

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A1.02

PREPARED BY: QK CHECKED BY: AC



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No. Issued Date



**Chisolm Trail
Ranch**

5309 McPherson Blvd.
Suite No: 230
Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title

Glazing Types

Sheet Number © 2021

A1.03

SPECIFICATIONS

GLASS

FRAMED GLASS SIDELIGHT/WINDOW

1/4" THICK, CLEAR SAFETY GLASS
UNLESS GLASS SIZE EXCEEDS 3' x 9' THEN PROVIDE 3/8" THICK CLEAR SAFETY
GLASS

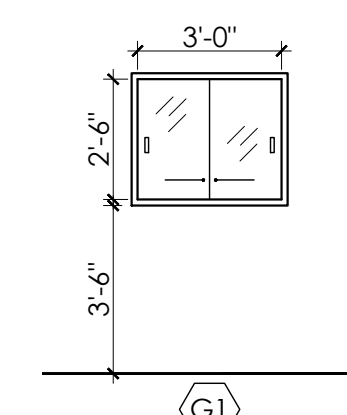
FRAME

*REFER SHEET A1.02 FOR FRAME INFORMATION

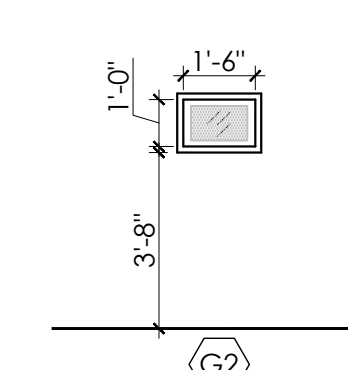
NOTES

GLAZING

1. PROVIDE SAFETY GLAZING IN ALL HAZARDOUS LOCATIONS AS DESCRIBED IN SECTION 2404 OF THE INTERNATIONAL BUILDING CODE, INCLUDING, BUT NOT LIMITED TO DOORS, GLASS ADJACENT TO DOORS AND WINDOWS.
2. GLAZING IN DOORS - GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BIFOLD DOORS SHALL BE CONSIDERED A HAZARDOUS LOCATION EXCEPT FOR DECORATIVE GLAZING.
3. GLAZING ADJACENT TO DOORS - GLAZING IN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE SHALL BE CONSIDERED A HAZARDOUS LOCATION EXCEPT FOR:
 - DECORATIVE GLAZING
 - WHERE THERE IS AN INTERVENING WALL OR OTHER PERMANENT BARRIER BETWEEN THE DOOR AND THE GLAZING
4. GLAZING IN WINDOWS - GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL THAT MEETS ALL OF THE FOLLOWING CONDITIONS SHALL BE CONSIDERED A HAZARDOUS LOCATION:
 - THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GRATED THAT 9 SQUARE FEET
 - THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE THE FLOOR
 - THE TOP EDGE OF THE GLAZING IS GREATER THAN 36" ABOVE THE FLOOR
 - ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING
 - EXCEPTIONS: DECORATIVE GLAZING



SLIDING GLASS WINDOW,
1/4" CLEAR SAFETY GLASS
TEMPERED PER CODE IN
STAINLESS STEEL FRAME



STAINLESS STEEL FRAME
WITH 1/4" SAFETY GLASS,
ADD FILM (FLM-1) WITH 1"
CLEAR BORDER, REFER
FINISH SCHEDULE

Sidelight/Window Types
Not To Scale

PREPARED BY: QK CHECKED BY: AC



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Chisolm Trail Ranch

5309 McPherson Blvd.
Suite No: 230
Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title
Architectural Plan

Sheet Number © 2021

A3.01

SCHEDULES

SPECIALTIES

- FEC FIRE EXTINGUISHER AND CABINET, NEW
EXTINGUISHER: LARSEN, MP-5
CABINET: LARSEN, VERTICAL DUO, SEMI RECESSED, WHITE, 2409 SERIES, COORDINATE WITH WALL THICKNESS
- PAS-1 PASS THROUGH OPENING, NEW
CUSTOMIZE SIZE: 3'-3" W x 1'-6" H x DEPTH OF WALL. INCLUDE A 1-1/2" TRIM SURROUND AND 1"-1"D LEDGE.
FINISH: STAINLESS STEEL
- PLEX-1 PLEXIGLASS DIVIDER
SIZE: 48" X 36"; SUSPENDED FROM CEILING
MATERIAL PROVIDED BY OTHERS. GC TO INSTALL
REFER TO ELEVATIONS FOR EXACT LOCATION AND DIMENSIONS
- TV WALL-MOUNTED TELEVISION
PROVIDED BY OCCUPANT, CONTRACTOR TO INSTALL MOUNTING BRACKET, ENSURE TV DOES NOT PROTRUDE MORE THAN 4" FROM WALL
NOTE: PROVIDE FIRE RESISTIVE WOOD BLOCKING IN WALL

APPLIANCE

REFERENCE EQUIPMENT SCHEDULE, SHEET Q1.01

PLUMBING

- WH-1 WATER HEATER
REFERENCE MEP DRAWINGS
- SNK-1 SINGLE BOWL UNDERMOUNT SINK - ADA COMPLIANT
DXV, POP, PETITE RECTANGLE UNDER COUNTER LAVATORY, D20110000, COLOR: CANVAS WHITE
FAUCET: AMERICAN STANDARD, STUDIO, #2590.101.295 BERWICK SINGLE CONTROL MONOBLOCK, FINISH: SATIN NICKEL
NOTE: SINK AND FAUCET PROVIDE BY OTHERS
- SNK-2 THREE-COMPARTMENT SINK
3 COMPARTMENT SINK W/ ROUNDED INTERNAL EDGES
ADVANCE TABCO, FE-3-1812-18RLX, BOWL SIZE: 18" x 18" x 12"D
- LAV-1 WALL-HUNG LAVATORY @ RESTROOM
AMERICAN STANDARD, LUCERNE 0355.12
FAUCET: AMERICAN STANDARD, MONTERREY 5500.170
- LAV-2 WALL-HUNG LAVATORY @ KITCHEN
WALL MOUNTED HAND SINK W/ SPLASH GUARD
BKHSW1410SS, OVERALL: 17" x 15", W/ GOOSENECK SPOUT
- WC-1 TANK-TYPE WATER CLOSET
AMERICAN STANDARD, CADET FLOWISE, ELONGATED PRESSURE-ASSISTED TOILET, SUITE, 1.1 GPF, 2467.100, COLOR: WHITE, LEVER ON WIDE SIDE OF ROOM, PROVIDE DUAL FLUSH
NOTE: GC TO ALSO PROVIDE SEAT
- MS-1 MOP SINK, HOSE AND HANGER
SWANSTONE, MS-2424 WITH HANGER MS2437 AND HOSE MS2405
FAUCET: SWANSTONE, MS2412

LEGEND

(ALL SYMBOLS MAY NOT APPLY)
EXISTING ITEMS ARE SCREENED (GRAYED OUT), ALL OTHERS ARE NEW

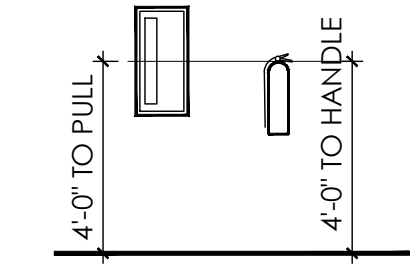
GENERAL

- 0000 ROOM NUMBER
- OFFICE ROOM NAME
- 01/A5 ELEVATION MARK
- 01/A5 SECTION MARK
- REVISION MARK
- REVISION CLOUD
- PHONE BOARD
- WATER LINE WITH SHUT-OFF VALVE
- FLOOR DRAIN, REFERENCE MEP DRAWINGS
- FLOOR SINK, REFERENCE MEP DRAWINGS
- HUB DRAIN, REFERENCE MEP DRAWINGS AND COORDINATE FINAL LOCATION WITH EQUIPMENT VENDOR PRIOR TO TRENCHING
- FIRE EXTINGUISHER W/ CABINET

PARTITIONS (REF. A1.01)

- PARTITION MARK
- STUD WIDTH
- PARTITION TYPE
- EXISTING PARTITION
- NEW PARTITION
- SIDELIGHT/WINDOW
- DEMISING PARTITION W/ SOUND INSULATION
- ONE HOUR PARTITION W/ SOUND INSULATION
- TWO HOUR PARTITION W/ SOUND INSULATION
- NEW PARTITION W/ SOUND INSULATION
- HALF HEIGHT WALL, REFER TO ELEVATIONS AND SECTIONS FOR EXACT HEIGHT AND THICKNESS

FIRE EXTINGUISHERS



DOORS AND GLAZING

- 101 DOOR MARK REFERENCE A1.02
- G2 GLAZING MARK REFERENCE A1.03

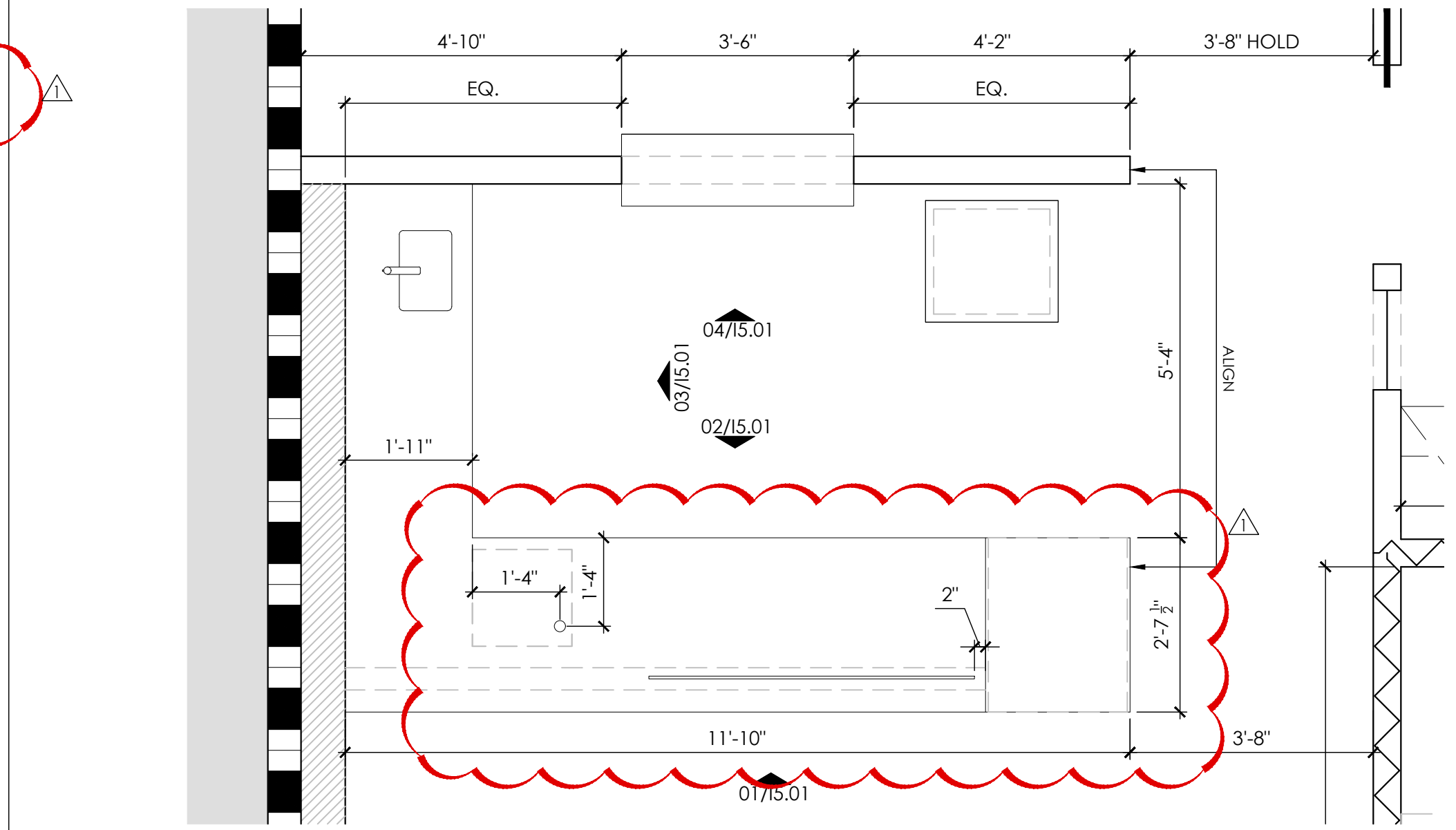
NOTES

PLAN NOTES

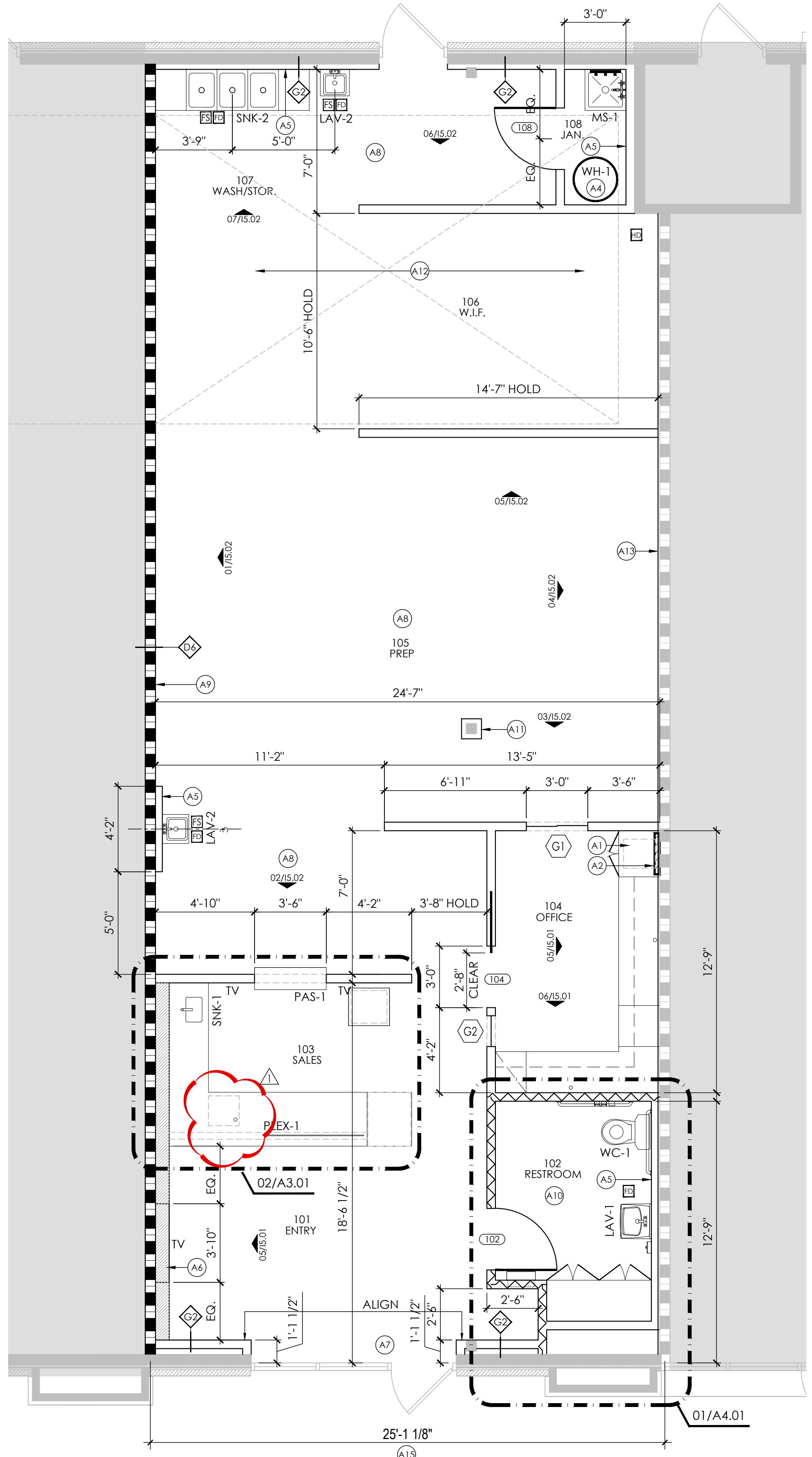
- NEW PARTITIONS SHALL BE TYPE "C3", U.N.O.
- EXISTING DEMISING PARTITIONS SHALL REMAIN AND BE PARTITION TYPE D, U.N.O. IF NOT TO DECK AND 1 HOUR FIRE RATED, INSTALL PER PARTITION TYPE D ON SHEET A1.01. COORDINATE WITH OWNER'S REPRESENTATIVE.
- EXISTING EXTERIOR WALLS SHALL REMAIN.
- PROVIDE NEW DOORS, FRAMES AND HARDWARE AS SHOWN, REFER TAGS ON PLAN AND TYPES ON SHEET A1.02. ALL LIKE DOORS SHALL MATCH IN APPEARANCE. NEW DOORS AND FRAMES SHALL MATCH EXISTING DOORS AND FRAMES, U.N.O. NEW DOOR HARDWARE SHALL BE LEVER TYPE AND MATCH EXISTING HARDWARE IN STYLE AND FINISH.
- PATCH WALLS AS NEEDED AT ALL REMOVED OBJECTS AND DEVICES.
- INSTALL NEW FIXTURES AND APPLIANCES. REFER SCHEDULE FOR SPECIFICATIONS.
- REPAIR AND/OR REPLACE DAMAGED EXTERIOR WINDOW MULLIONS. CONTRACTOR TO FIELD VERIFY PRIOR TO BID. PREPARE FRAME/MULLIONS FOR NEW FINISH.
- PROVIDE (1) FIRE EXTINGUISHER FOR EVERY 3,000 SF. PLACE NO FURTHER THAN 75'-0" APART. WHERE FEC IS LOCATED IN ROOM, ENSURE DOOR DOES NOT LOCK.
- CONTRACTOR TO PROVIDE A LEVEL 4 FINISH FOR ALL WALLS TO RECEIVE WALLCOVERING. REFERENCE FINISH PLAN FOR ADDITIONAL INFORMATION.
- PROVIDE WOOD BLOCKING IN WALL TO SUPPORT OCCUPANT-PROVIDED ITEMS. REFER SPECIALTIES SCHEDULE FOR ITEM TYPES AND SPECIFICATIONS. REFER PLAN FOR LOCATIONS.
- AT SHELL BUILDING CONDITIONS, PROVIDE INSULATION AND GYPSUM BOARD AT PERIMETER, FURR AROUND COLUMNS, FURR AROUND AND INSULATE ROOF DRAINS. PROVIDE ACCESS PANEL AT CLEAN OUTS. BUILDING ENVELOPE INSULATION TO COMPLY WITH CURRENT AND LOCAL IECC.
- EXISTING ITEMS NOT BEING REMOVED SHALL BE REFURBISHED, LOOSE ITEMS TIGHTENED, AND ANY MISSING OR BROKEN PARTS REPLACED BY THE CONTRACTOR TO ACHIEVE A FINISHED, FIRST CLASS INSTALLATION AND "LIKE NEW" APPEARANCE.
- PATCH PENETRATIONS IN FLOOR WHERE PLUMBING OR ELECTRICAL HAVE BEEN ABANDONED. FIRE RATING OF FLOOR SHALL BE MAINTAINED.
- ALL PENETRATIONS WITHIN FIRE RATED WALLS SHALL BE FILLED WITH FIRE SEALANT APPROPRIATE TO THE RATING OF THE WALL.
- SEE MEP ENGINEERING DRAWINGS FOR PLUMBING AND MECHANICAL SCOPE.

KEY NOTES

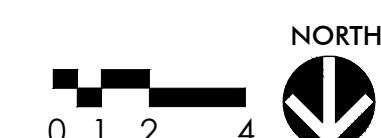
- CONTRACTOR TO BOLT SAFE TO GROUND. EXTEND FLOORING FINISH AS SCHEDULED UNDERNEATH SAFE.
- PROVIDE (1) 24" X 48" PHONE BOARD CONSTRUCTED OF FIRE RESISTIVE PLYWOOD, PAINTED TO MATCH INSIDE CABINET.
- NOT USED.
- PROVIDE ELECTRIC WATER HEATER WITH DRAIN PAN. REFERENCE MEP DRAWINGS.
- FURR-OUT WALL AS NEEDED TO ACCOMMODATE PLUMBING, REFER TO WALL TYPE G, PROVIDE WATER RESISTANT GYPSUM BACKER BOARD SHEET ROCK, IN ACCORDANCE WITH GA-216 OR ASTM C840 AND MANUFACTURERS RECOMMENDATIONS (IBC 2509.2).
- PROVIDE RECESSED POCKET WITH ELECTRICAL FOR TENANT PROVIDED SIGNAGE PIECE. CONTRACTOR TO INSTALL. REFERENCE DETAILS. CUT 6" X 6" HOLE IN CENTER PORTION OF RECESSED WALL, LEAVE UNFINISHED. COORDINATE WITH TENANT.
- AT EXTERIOR: COORDINATE WITH OWNER'S REPRESENTATIVE FOR EXTERIOR SIGNAGE NEEDS. CONTRACTOR TO INSTALL NEW SIGNAGE AS REQUIRED AND APPROVED BY LANDLORD. AT FRONT ENTRY DOOR, PROVIDE VINYL LETTERING READILY VISIBLE ON EGRESS SIDE STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE LETTERING SHALL BE 1" HIGH ON A CONTRASTING BACKGROUND. SUBMIT AS PART OF A SIGNAGE PACKAGE FOR LANDLORD REVIEW AND APPROVAL, PRIOR TO SUBMITTAL TO CITY.
- CONTRACTOR TO INSTALL THE FOLLOWING EQUIPMENT -
*EQUIPMENT # 11 AND # 12 - HEAVY DUTY WALL MOUNTED WIRE SHELVES
*EQUIPMENT #29 WALK-IN FREEZER
EQUIPMENT TO BE PROVIDED BY OWNER, REFER TO SHEET 15.02 FOR EXACT LOCATION.
- DEMISING PARTITIONS SHALL BE PARTITION TYPE D, INSTALL PER PARTITION TYPE D ON SHEET A1.01. CONFIRM EXACT LOCATION WITH LANDLORD BEFORE CONSTRUCTION BEGINS.
- PROVIDE SOUND BATT IN WALLS TO CEILING HEIGHT.
- PROVIDE 5/8" GYP. BD. ON 2-1/2" METAL STUDS FURR OUT AROUND COLUMN INDICATED.
- INFILL CONCRETE FLOOR TO MATCH BUILDING STANDARD SPECIFICATIONS. CONFIRM WITH LANDLORD BEFORE INSTALLATION. CONCRETE SLAB TO BE SMOOTH IN PREPARATION FOR NEW FLOORING FINISH.
- INSTALL (1) LAYER OF 5/8" TYPE "X" GYP. BD. ENTIRE LENGTH OF WALL INDICATED. MAINTAIN 1 HOUR RATING OF DEMISE WALL.
- PROVIDE INSULATION AND GYPSUM BOARD AT EXPOSED BUILDING SHELL WALL ABOVE DOOR/WINDOW TO MEET IECC BUILDING ENVELOPE COMCHECK.
- G.C. TO CONFIRM FINAL DEMISING WALLS DIMENSIONS WITH LANDLORD PRIOR TO ANY INSTALLATION. NOTIFY THE LANDLORD AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.



02 Enlarged Architectural Plan
Scale: 1/2" = 1'-0"



01 Architectural Plan
Scale: 1/4" = 1'-0"



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TOILET ACCESSORIES

- ☒ TOILET PAPER DISPENSER, BOBRICK B7685
- ☒ GRAB BARS, BOBRICK B-6806
- ☒ PAPER TOWEL DISPENSER/WASTE RECEPTACLE, 600 CT., BOBRICK B3944
- ☒ MIRROR: KOHLER, POPLIN FRAMED MIRROR, LINEN WHITE, 20-1/2" WIDE x 35-1/2" HIGH, USE SECURITY MOUNT HARDWARE
- ☒ NOT USED
- ☒ PIPE WRAP, TRUEBRO, WHITE
- ☒ ADA COMPLIANT ROOM SIGN, COLOR: BLACK
- ☒ SANITARY NAPKIN RECEPTACLE, BOBRICK, FMP 141-1199

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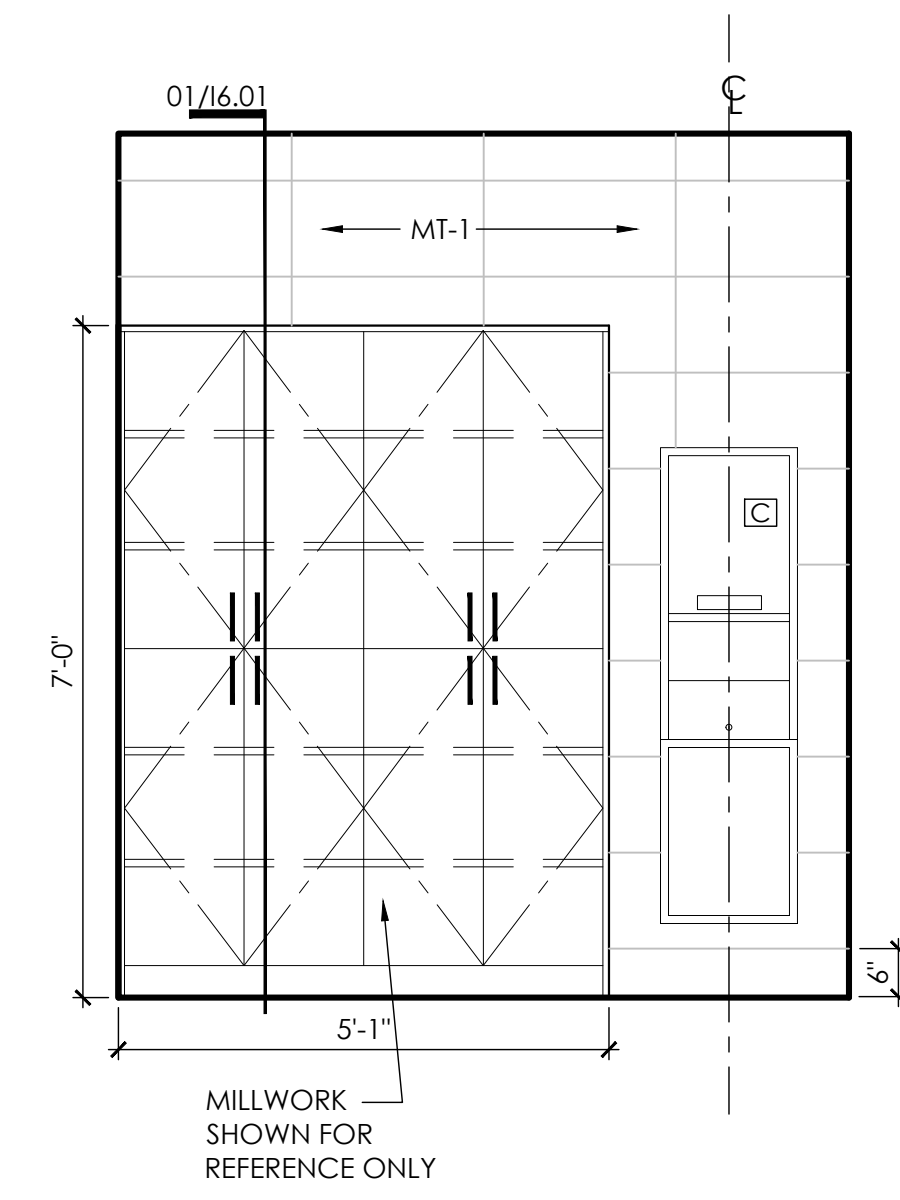
Project ID: 17-1045-L079

Sheet Title
Enlarged Plans

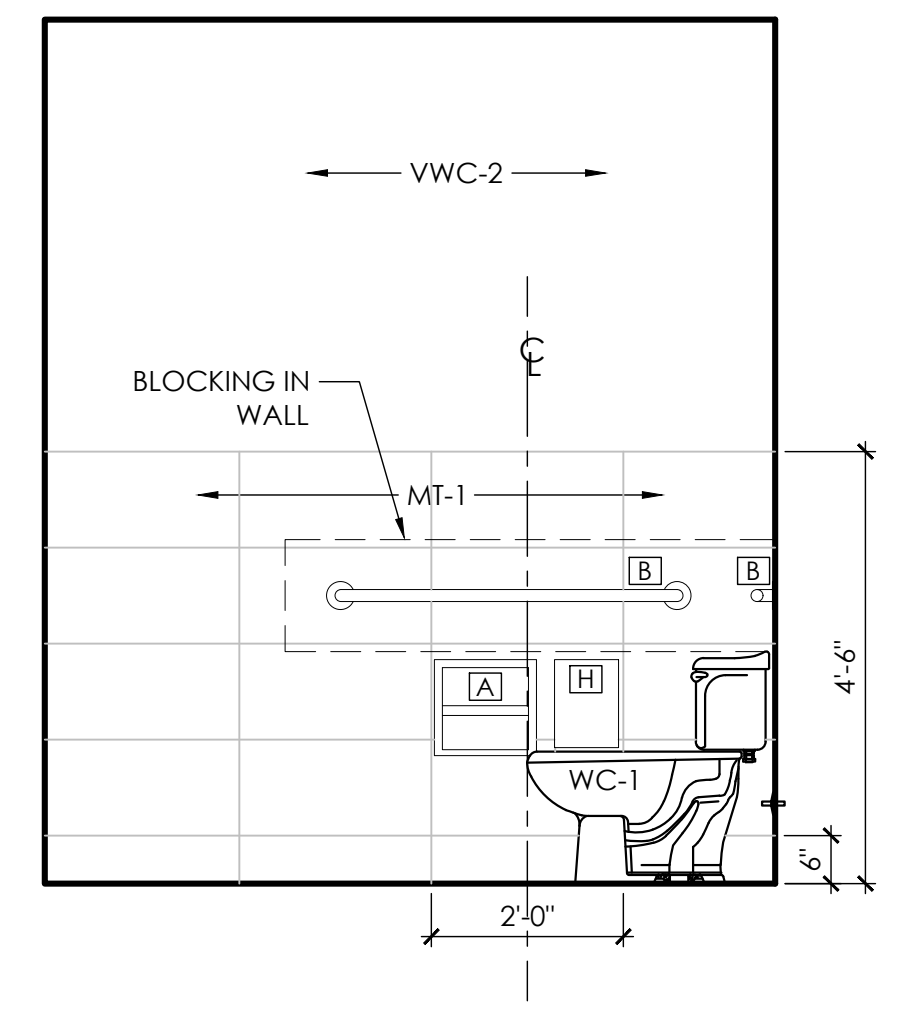
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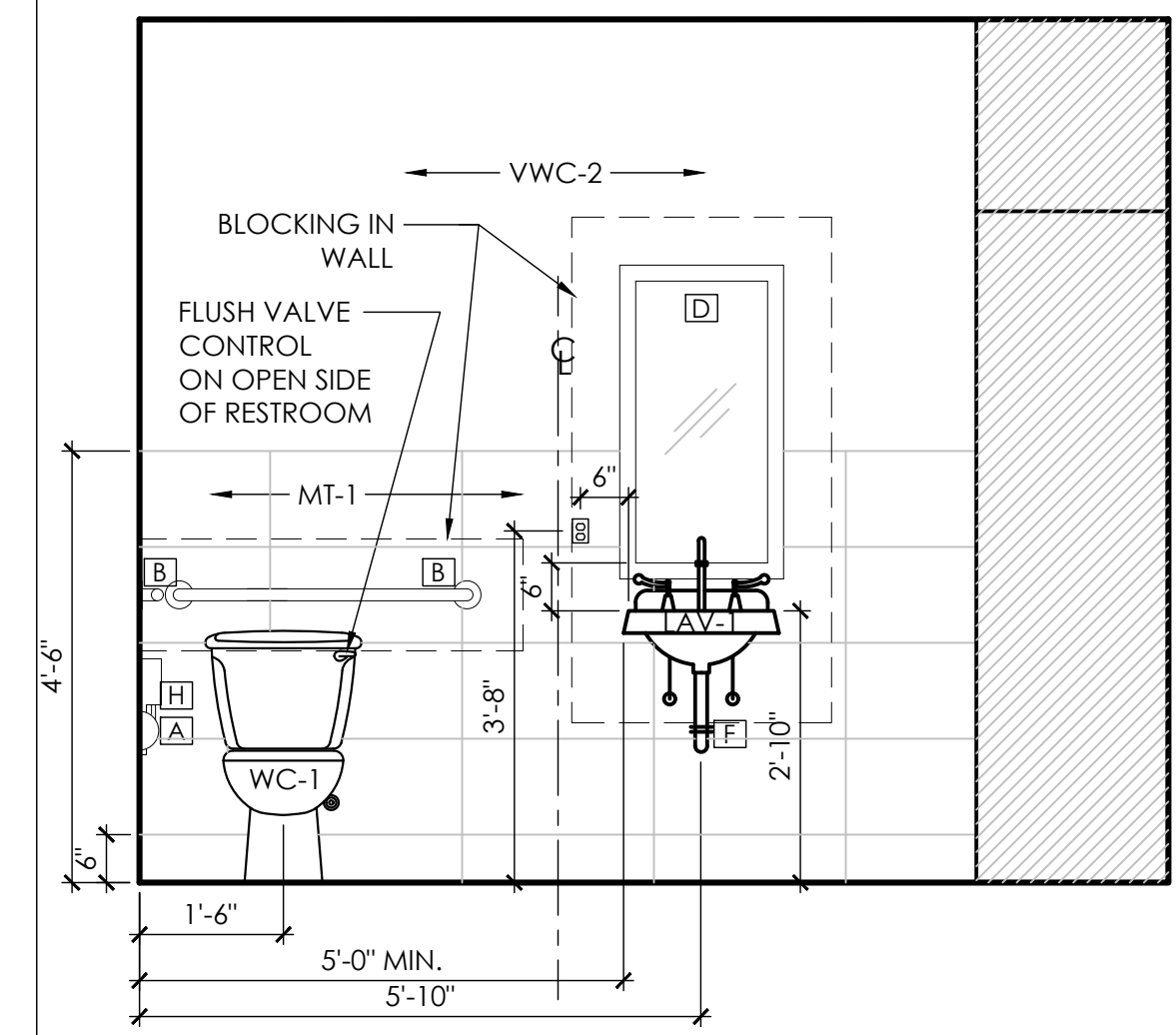
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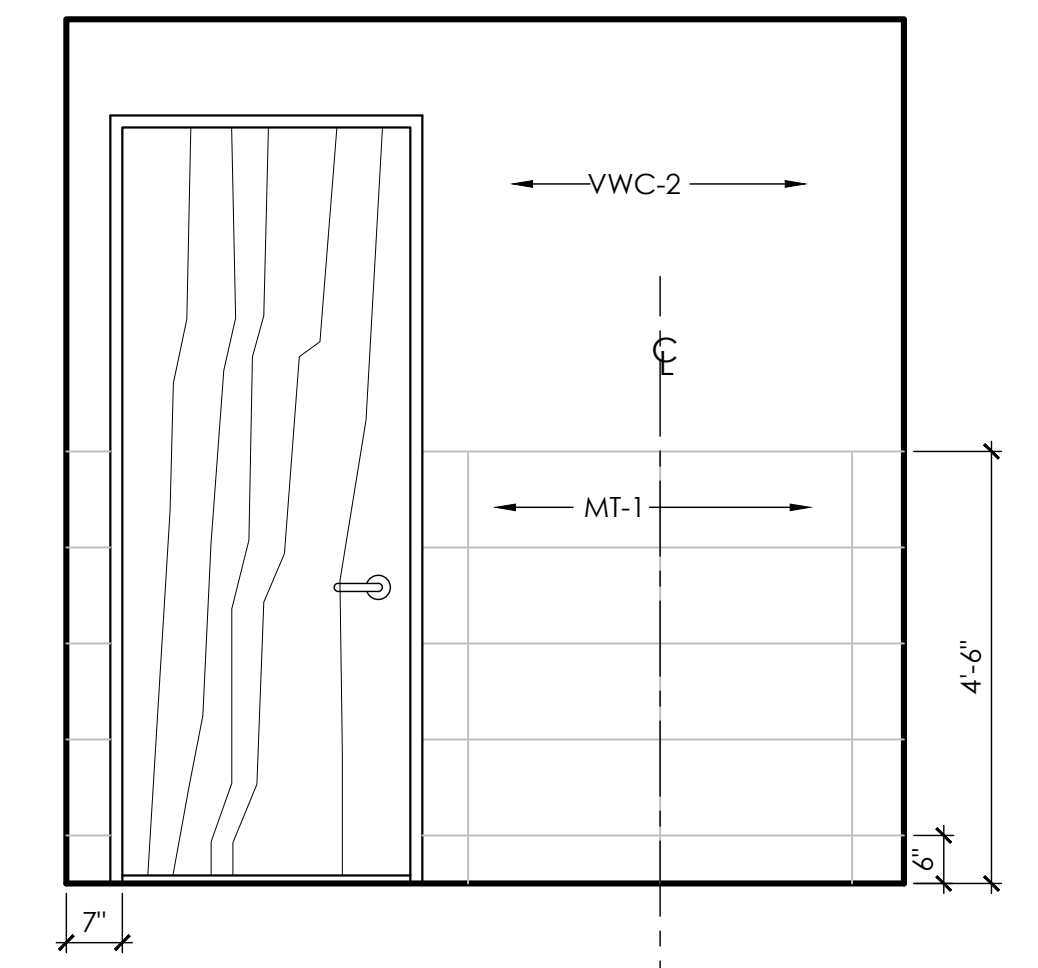
05 Elevation
Scale: 1/2" = 1'-0"



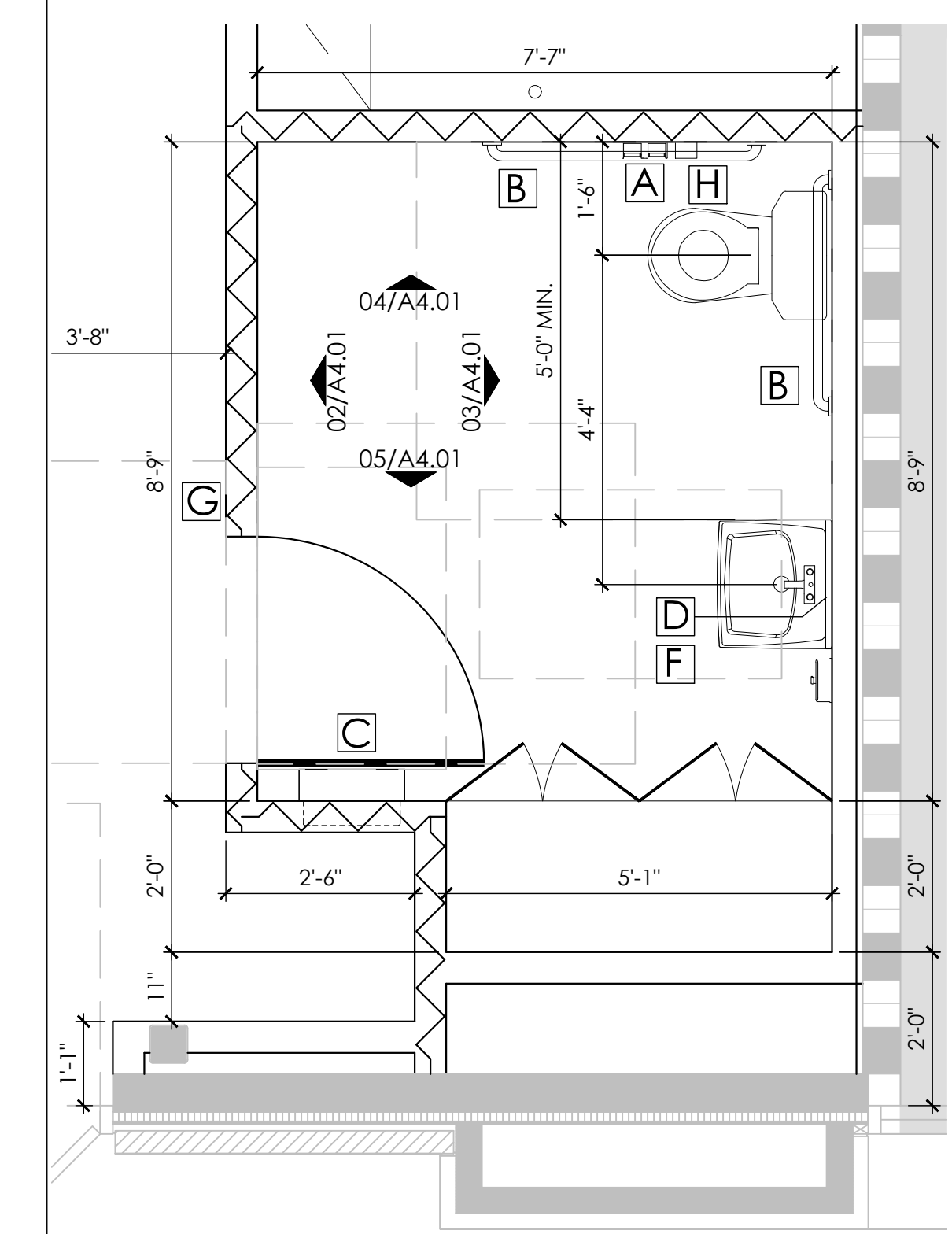
04 Elevation
Scale: 1/2" = 1'-0"



03 Elevation
Scale: 1/2" = 1'-0"



02 Elevation
Scale: 1/2" = 1'-0"



01 Enlarged Restroom Plan
Scale: 1/2" = 1'-0"



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Chisolm Trail Ranch

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Suite No: 230
Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title
Reflected Ceiling Plan

Sheet Number © 2021

13.01

LEGEND

- (ALL SYMBOLS MAY NOT APPLY)
*EXISTING ITEMS ARE SCREENED (GRAYED OUT), ALL OTHERS ARE NEW/RELOCATED
- REFLECTED CEILING**
- CEILING GRID
 - DARK - MAIN TEE
 - GYP. CEILING
 - PROJECTION SCREEN
 - LIGHT FIXTURE TYPE SWITCHING MARK
 - DAYLIGHT ZONE
 - EMERGENCY LIGHT OR
 - EXIT SIGN, SINGLE/DOUBLE FACE (ARROWS INDICATE DIRECTION OF EXIT)
 - CEILING HEIGHT
 - ALIGN NEW AND EXISTING CEILINGS
- CEILING ELECTRICAL**
- J-BOX IN CEILING
 - CEILING MOUNTED DUPLEX
 - CEILING MOUNTED TV OUTLET
- LIGHT SWITCHING**
- VACANCY SENSOR
 - LOW VOLTAGE
 - DIMMER W/ SLIDE
 - 3-WAY OCCUPANT SENSOR
 - PROJECTION SCREEN
 - DEMOLISHED SWITCH
 - STANDARD SWITCH
 - CEILING MOUNTED DAYLIGHT SENSOR
 - CEILING MOUNTED OCCUPANT SENSOR

SCHEDULE

- LIGHTING**
- ALL FIXTURES SHALL HAVE SAME COLOR TEMPERATURE, RELAMP EXISTING FIXTURES AS NEEDED, ALL LED FIXTURES SHALL BE ON DIMMER SWITCH WHEN CHANGES OCCUR TO THE SCHEDULED LIGHTS, ELECTRICIAN SHALL UPDATE THE IECG CALCULATION AND ISSUE TO ENTOS AND THE CONTRACTOR.
 - ALL FIXTURES SHALL BE BID AS SPECIFIED, ANY SUBSTITUTION MUST BE APPROVED BY THE ARCHITECT PRIOR TO SUBMISSION OF BID. FIXTURES SHALL BE SUPPLIED BY THE APPROPRIATE DISTRIBUTOR.
- A 6" LED DOWNLIGHT, NEW**
3500K, 0-10V DIMMING, LENSED (POLYCARBONATE LENS INTEGRAL TO LIGHT ENGINE), LITHONIA, EVO-35/10-6AR-MD-LSS-MVOLT-EZ10
- B 2'x4' LED PRISMATIC LENSED TROFFER, NEW**
3500K, 0-10V DIMMING, LITHONIA, 2TL4-40L-FW-A12-MVOLT-EZ1-LP835
- C WALK-IN LIGHT BY MANUFACTURER**
SURFACE MOUNTED, (1) LAMP, 75W
- D LED STRIP LIGHT, NEW**
MODA LIGHT, POWERFLEX-3000K / MR2A25 / MPXXX, HIGH LUMEN OUTPUT, WARM KELVIN TEMPERATURE, CONTINUOUS LENGTHS W/ REMOTE DRIVER, 0-10V, DIMMABLE STANDARD, LIGHT TO BE DISTRIBUTED EVENLY
- X EXIT SIGN, NEW**
LITHONIA, EDGE LIT, EDGR, GREEN ON CLEAR
NOTE: REFER TO MEP DRAWINGS FOR EXACT LOCATIONS
- CEILING TYPE**
- ACT-1 CEILING TILE, NEW**
NATIONAL GYPSUM, GOLD BOND, GRIDSTONE GYPSUM CEILING PANELS, SIZE: 1/2' 2'x4', ULG259
- CG-1 CEILING GRID, NEW**
15/16", WHITE
- SPECIALTIES**
- PN-1 ACCESS PANEL, GFRG, NEW**
WIND-LOCK, STEALTH ACCESS PANEL, AP-DR1818, 18" x 18", ROUGH OPENING 24" x 24"
NOTE: PAINT TO MATCH ADJACENT CEILING

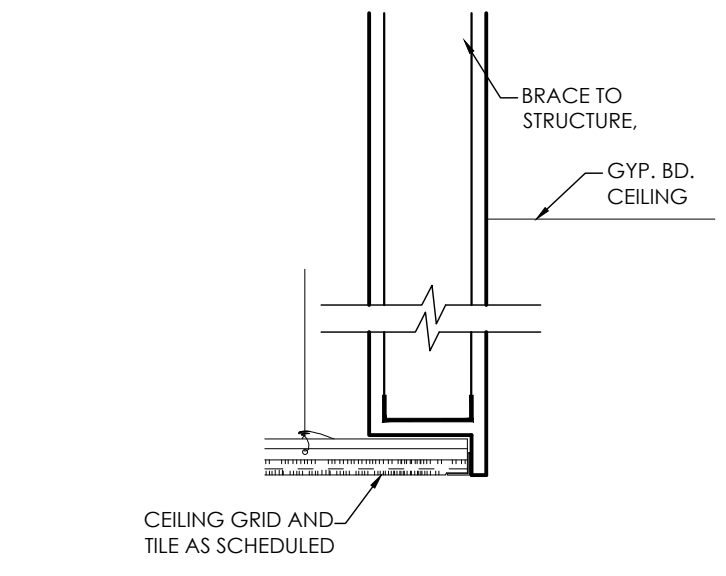
NOTES

- PLAN NOTES**
- DOWNLIGHTING/WALL WASHERS SHALL BE CENTERED WITHIN CEILING TILE, U.N.O.
 - NEW/EXISTING PARTITIONS CONSTRUCTED TO DECK SHALL RECEIVE RETURN AIR BOOTS APPROPRIATELY SIZED FOR PROPER OPERATION OF HVAC SYSTEM.
 - NEW/EXISTING FIRE RATED PARTITIONS SHALL HAVE FIRE/SMOKE DAMPERS OF THE APPROPRIATE SIZE AND RATING.
 - COORDINATE LOCATION OF STROBES, THERMOSTATS AND FIRE DEVICES AT FEATURE WALLS WITH ARCHITECT.
 - PROVIDE NEW CEILING GRID AND TILE WHERE SHOWN ON PLAN. REFER SCHEDULE FOR SPECIFICATIONS.
 - PROVIDE NEW LIGHT FIXTURES/EXIT SIGNS AS SHOWN ON PLAN. REFER SCHEDULE FOR SPECIFICATIONS.
 - PROVIDE EMERGENCY LIGHT FIXTURES PER CODE. UTILIZE SPECIFIED LIGHT FIXTURES WHERE POSSIBLE. DO NOT USE WALL-MOUNTED "BUG-EYE" STYLE FIXTURES.
 - THERMOSTATS TO BE WHITE IN COLOR.
 - PATCH ALL ABANDONED TAPS, HOLES OR LEAKING JOINTS IN DUCTWORK.
 - IF EXISTING, MODIFY FIRE ALARM SYSTEM PER CODE.
 - EMERGENCY LIGHTING AND EXIT SIGNAGE SHALL BE PROVIDED BY LIFE SAFETY GENERATOR/BATTERY PACK. REFER TO MEP DRAWINGS.
 - REFERENCE MEP DRAWING IN CONJUNCTION WITH ARCHITECTURAL PLANS AND COORDINATE WORK TO INCLUDE REQUIREMENTS OF BOTH DISCIPLINES. NOTIFY ARCHITECT OF ANY CONFLICTS OR CONTRADICTIONS PRIOR TO INSTALLATION. ANY WORK DONE PRIOR TO CLARIFICATION THAT RESULTS IN THE NEED FOR MODIFICATION WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT.
 - CONTRACTOR TO PROVIDE AIR BALANCING THROUGHOUT. PROVIDE AIR BALANCE REPORT FROM A NEBB CERTIFIED THIRD PARTY CONSULTANT TO OWNER'S REPRESENTATIVE.
 - PROVIDE EXHAUST FAN AT ALL NEW RESTROOMS TO BE TIED TO LIGHT SWITCH. VENT PER LOCAL CODE REQUIREMENTS.

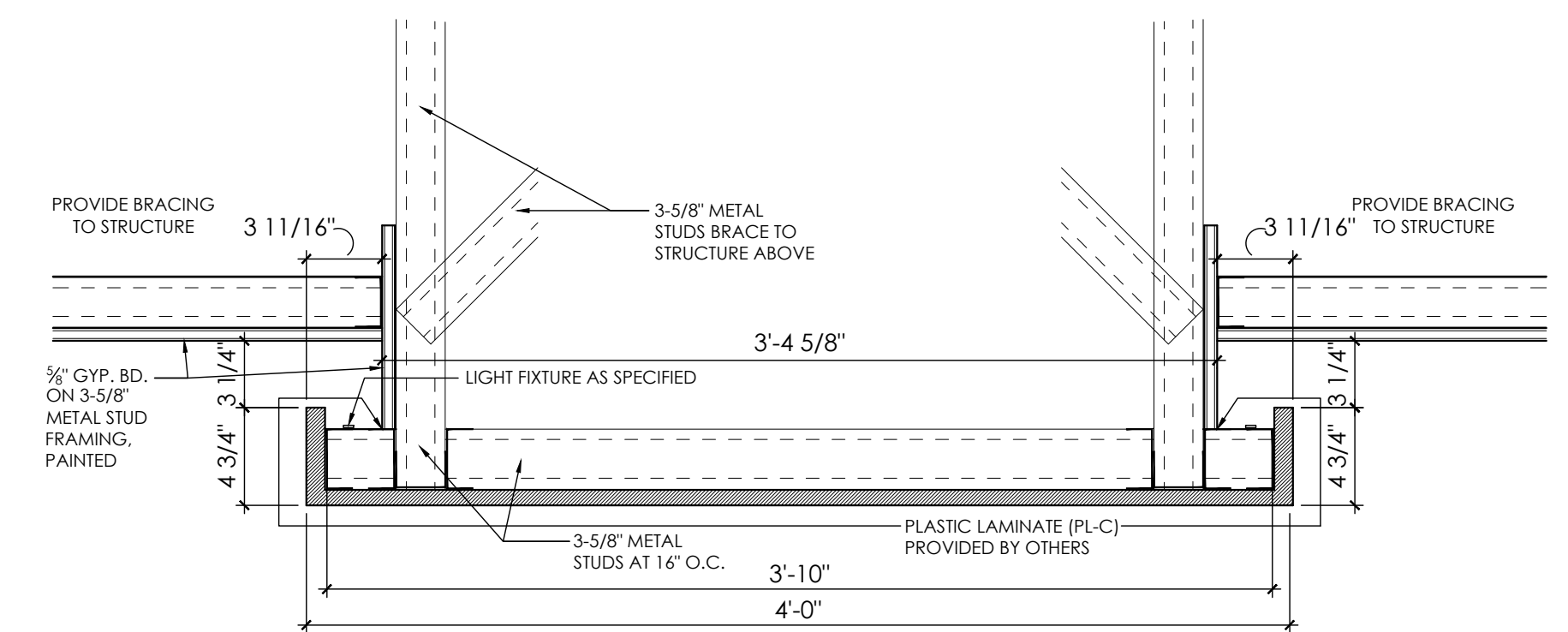
KEY NOTES

- PROVIDE NEW WHITE CEILING GRID (CG-1) AND TILE (ACT-1), 2'x4' LAY IN CEILING. PROVIDE NEW VINYL FACED TILE AT PREP AND WASH AREA.
- PROVIDE NEW 2'x4' LIGHT FIXTURES. PROVIDE LENS LAMPS FOR LIGHT FIXTURES INSTALLED ABOVE FOOD PREPARATION AREAS OR WHERE SPECIFIED. TEFLON COATED LAMPS.
- CEILING SUSPENSION SYSTEM SHALL INCLUDE MAIN TEES, CROSS TEES, WALL MOUNDINGS AND ALL OTHER ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION. COLOR TO BE WHITE, U.N.O. MAXIMUM DIMENSION BETWEEN SUPPORTS SHALL BE 48". PRELUDE 15/16" EXPOSED TEE-GRID.
- PROVIDE NEW GYP. BOARD CEILING. PAINT CEILING.
- NOT USED.
- PROVIDE HEADER OVER UNIT TO ALIGN WITH OUTSIDE WALL OF UNIT AS SHOWN. REFERENCE DETAIL. PROVIDE GYP. BOARD CEILING ABOVE UNIT. HEADER TO BE CONSTRUCTED AFTER INSTALLATION OF WALK-IN FREEZER.
- PLASTIC LAMINATE, CLAD CEILING ELEMENT WITH COVE LIGHT. REFER TO DETAIL 03/13.01. PROVIDED BY OTHERS.
- PROVIDE INSULATION OVER GYP. BD. CEILING AT RESTROOM.
- PROVIDE AND INSTALL SLOT DIFFUSER. COORDINATE WITH MEP DRAWINGS.
- PROVIDE GYP. BOARD FURR-DOWN ABOVE MILLWORK AS SHOWN. REFER TO ELEVATIONS. PAINT SHERWIN WILLIAMS, SW7004 SNOWBOUND.

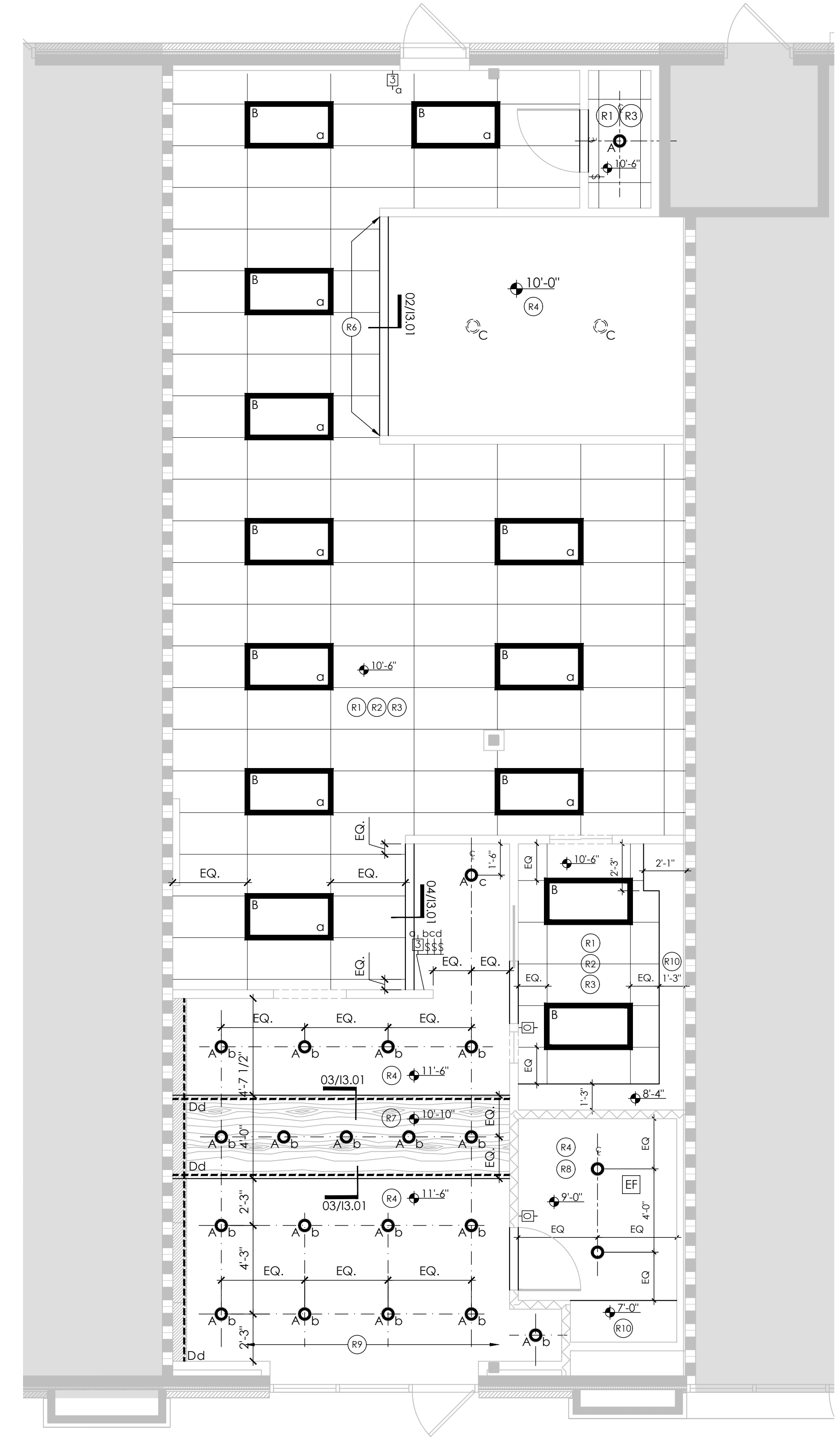
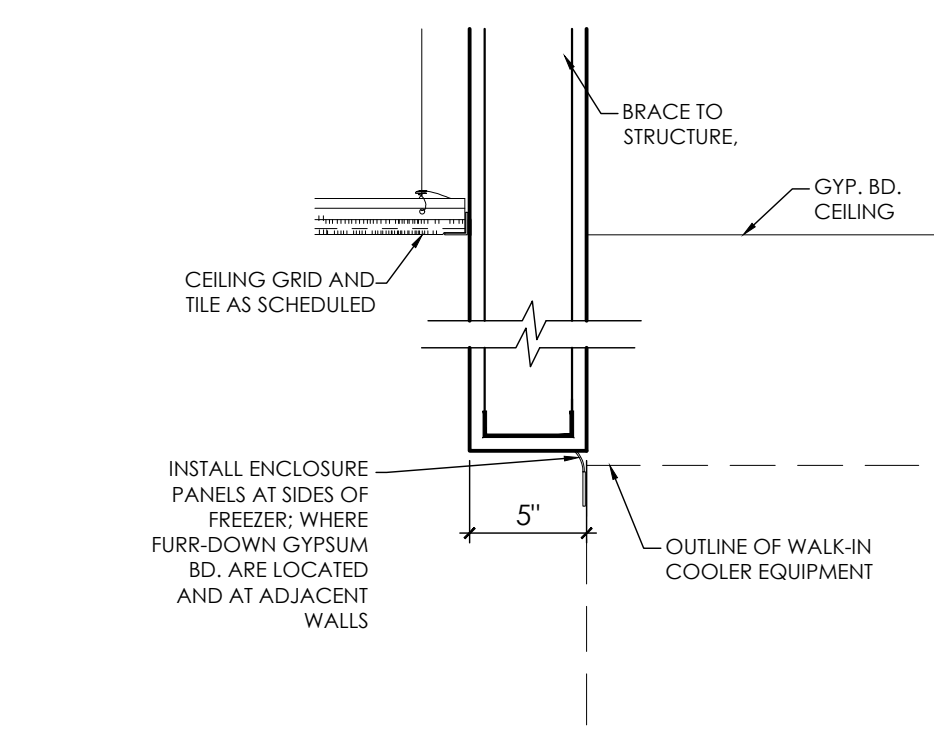
04 Ceiling Detail
Scale: 1-1/2" = 1'-0"



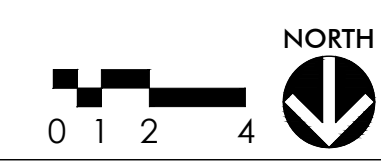
03 Ceiling Detail
Scale: 1-1/2" = 1'-0"



02 Ceiling Detail
Scale: 1-1/2" = 1'-0"



01 Reflected Ceiling Plan
Scale: 1/4" = 1'-0"



PREPARED BY: QK CHECKED BY: AC



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Approved: _____ Date: _____

| | |
|-------------|------------|
| Addendum #1 | 07/13/2021 |
| For Review | 06/10/2021 |
| No. Issued | Date |



Chisolm Trail Ranch
5309 McPherson Blvd.
Suite No: 230
Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title

Finish Plan

Sheet Number

14.01

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FINISH SCHEDULE - NEUTRAL

RESILIENT FLOORING

VCT-1 VINYL COMPOSITION TILE, 12" x 24"
ARMSTRONG, STRIATIONS BBT W/ DIAMOND 10 TECHNOLOGY,
Z3602 STEEL
ROOMS: THROUGHOUT, U.N.O.
NOTE: PROVIDE ARMSTRONG S-495 COMMERCIAL FLOOR SEALER S-495,
INSTALL ACCORDING TO MANUFACTURERS INSTRUCTIONS.

TILE

NOTE: NON-SANDED GROUT SHALL BE USED AT GLASS TILE
T-1 FLOOR TILE
DAL TILE, EMERSON WOOD, BRAZILIAN WALNUT EP03, 6"X48"
INSTALLATION: 1/3 OFFSET
GROUT: BOSTIK, FRENCH GRAY H142, 1/16" LINES, SEAL GROUT
ROOMS: SALES, RESTROOM, OFFICE
**NOTE: ORDER DIRECT FROM DAL TILE AND INVOICE TIFF'S TREATS
ACCOUNT; CONTACT LISA TAYLOR AT lisa.taylor@dal tile.com.**

MT-1

WALL TILE
DAL TILE, MULTITUDE, WAVE, ORIGAMI WHITE, SIZE: 12"X24", INSTALLATION:
STRAIGHT SET
GROUT: CUSTOM BUILDING PRODUCTS, COLOR: #381 BRIGHT WHITE,
1/16" LINES, SEAL GROUT
LOCATION: RESTROOM, UP TO 54" A.F.F. AND LOGO WALL
(DO NOT PROVIDE WALL BASE)
**NOTE: ORDER DIRECT FROM DAL TILE AND INVOICE TIFF'S TREATS
ACCOUNT; CONTACT LISA TAYLOR AT lisa.taylor@dal tile.com.**

MT-2

MOSAIC WALL TILE
EQUIPE, HEXAWOOD, GREY, PATTERN OPC. 3 (HEXAWOOD GREY
HEXAGON 7"x8" 10%, CHEVRON GREY LEFT 3.5"x8" 45%, CHEVRON GREY
RIGHT 3.5"x8" 45%)
GROUT: BOSTIK, STORM H198, 1/16" LINES, SEAL GROUT
LOCATION: MENU BOARD WALL
(DO NOT PROVIDE WALL BASE)

BASE

RB-1 4" RESILIENT COVE BASE, ROLLS
ARMSTRONG, R48SL SALT
ROOMS: AT VCT-1
TB-1 6" CERAMIC TILE BASE, SAME AS T-1
ROOMS: AT T-1, EXCEPT AT MT-1 AND MT-2

PAINT

P-1 FIELD PAINT, LATEX, EGGSHELL
SHERWIN WILLIAMS, SW7631 CITY LOFT
P-2 PAINT
PROVIDED BY OTHERS
P-C FIELD PAINT, LATEX, FLAT,
SHERWIN WILLIAMS, SW7004 SNOWBOUND
LOCATION: GYP. BOARD CEILINGS

WALLCOVERING

VWC-1 VINYL WALLCOVERING
WOLF GORDON, GOH 13608517
LOCATION: MAIN SALES WALLS
**NOTE: ORDER DIRECT FROM WOLF GORDON AND INVOICE TIFF'S TREATS
ACCOUNT; CONTACT ERIN BRASHER erin.brasher@wolfgordon.com.**

VWC-2

VINYL WALLCOVERING
WOLF GORDON, GOH 13608518
LOCATION: ABOVE FEATURE WALL, ABOVE RESTROOM WALL TILE
**NOTE: ORDER DIRECT FROM WOLF GORDON AND INVOICE TIFF'S TREATS
ACCOUNT; CONTACT ERIN BRASHER erin.brasher@wolfgordon.com.**

FIBER REINFORCED PLASTIC

FRP-1 FIBERGLASS REINFORCED PANELS
MARLITE, FRP FR (CLASS A FIRE RATING) P-151 LIGHT GRAY, WITH TRIM
PIECES
LOCATION: WHERE INDICATED ON PLAN, INSTALLED AT 8'-0" A.F.F.

SOLID SURFACE

QTZ-1 QUARTZ
PROVIDED BY OTHERS

PLASTIC LAMINATE

PL-1 PLASTIC LAMINATE
PROVIDED BY OTHERS
PL-2 PLASTIC LAMINATE
PROVIDED BY OTHERS
PL-3 PLASTIC LAMINATE
PROVIDED BY OTHERS
PL-4 PLASTIC LAMINATE
PROVIDED BY OTHERS
PL-5 PLASTIC LAMINATE
PROVIDED BY OTHERS
PL-C PLASTIC LAMINATE
PROVIDED BY OTHERS

GLASS

GL-1 GLASS,
PROVIDED BY OTHERS

FILM

FLM-1 WINDOW FILM
SOLYX DECORATIVE FILM, SX1523, BIG CITY LIGHTS, 48" WIDE

LEGEND

(ALL SYMBOLS MAY NOT APPLY)

GENERAL

NOT IN CONTRACT

FINISH

FINISH TRANSITION
FINISH MARK
WALL FINISH
BASE FINISH
FLOOR FINISH
ACCENT WALL CONDITION
PATTERN DIRECTION
DENOTES EXISTING ITEM

TRANSITION SCHEDULE

| LOCATION | MFG. | PRODUCT |
|--|-------------|---------------------------------------|
| FLOOR | | |
| FINISH TO FINISH - SAME THICKNESS | SCHLUTER | SCHIENE |
| FINISH TO FINISH - DISSIMILAR THICKNESS | SCHLUTER | RENO-TK |
| FINISH TO FINISH - 1/4" WIDTH DECORATIVE | SCHLUTER | DECO |
| FINISH TO FINISH - 1" WIDTH DECORATIVE | SCHLUTER | DESIGNLINE |
| FINISH TO SLAB | SCHLUTER | RENO-V |
| WALL | | |
| EXPOSED EDGE, U.N.O. | SCHLUTER | JOLLY |
| FINISH TO FINISH - 1" WIDTH DECORATIVE | SCHLUTER | DESIGNLINE |
| VWC TO VWC / VWC TO PAINT - OUTSIDE CORNER | GORDON INT. | FINAL FORMS I, SERIES 960, #966-FT-12 |

NOTES:
1. NOT ALL TRIMS MAY BE USED
2. COORDINATE EXACT MODEL WITH MATERIAL THICKNESS USED
3. USE ANODIZED ALUMINUM, U.N.O.

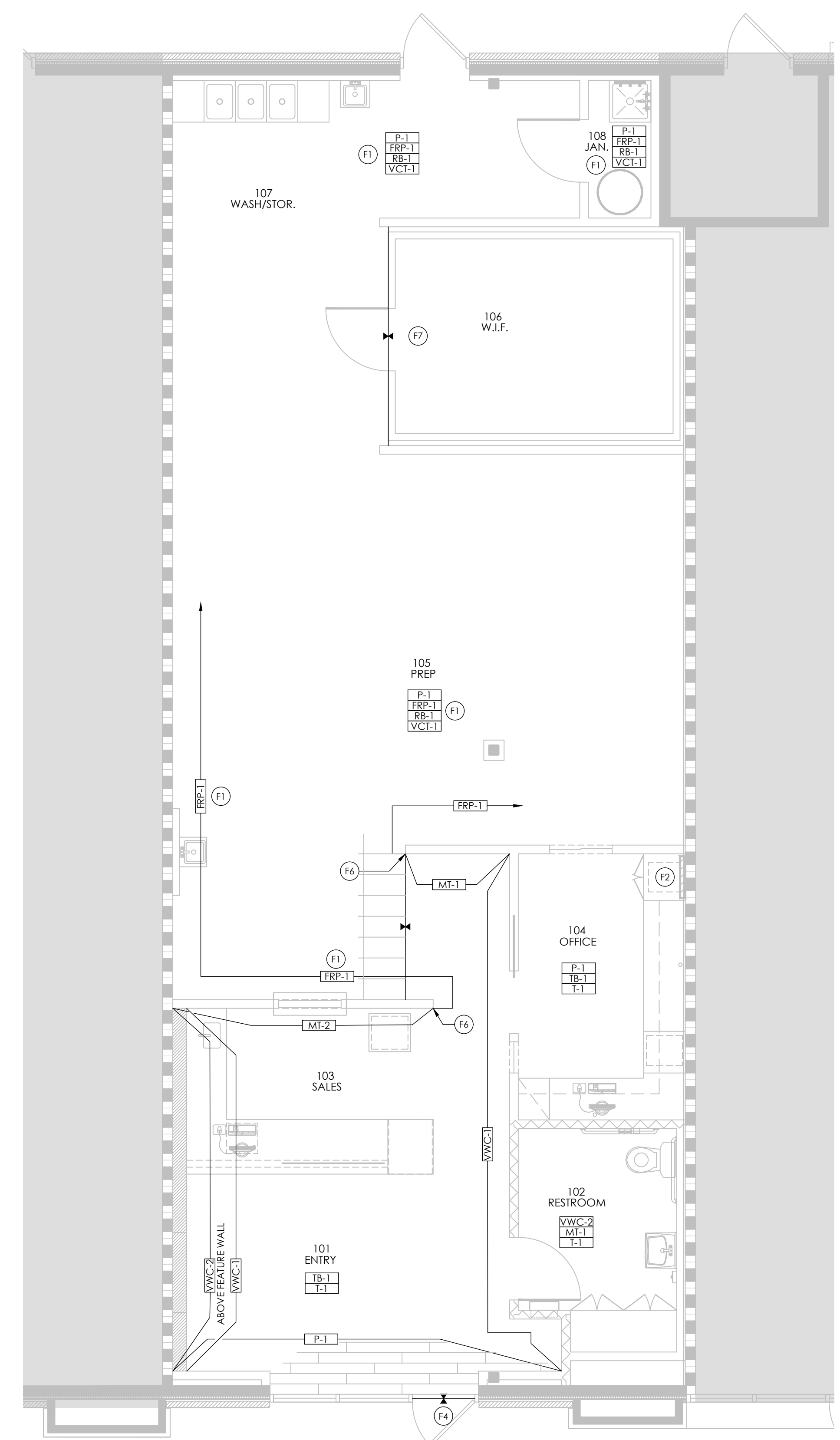
NOTES

FINISH PLAN NOTES

- NO TRANSITION BETWEEN FLOOR SURFACES TO BE GREATER THAN 1/4".
- SEAL ALL GROUT THROUGHOUT SPACE PER MANUFACTURERS RECOMMENDATIONS.
- CONTRACTOR TO USE WHITE THIN SET WHEN INSTALLING ALL GLASS TILES THROUGHOUT SPACE.
- PROVIDE METAL TRANSITION STRIPS AT ALL FLOORING TRANSITIONS.
- ALL GYP. BOARD CEILING TO BE PAINTED "P-C", U.N.O.
- ALL GYP. BOARD FURR-DOWNS TO MATCH ADJACENT WALL, U.N.O.
- FLOORING SHALL EXTEND UNDER MILLWORK INTO APPLIANCE NICHES AND WHERE OPEN TO BELOW, U.N.O.
- REFER TO INTERIOR ELEVATION SHEET(S) FOR MILLWORK FINISH INFORMATION.

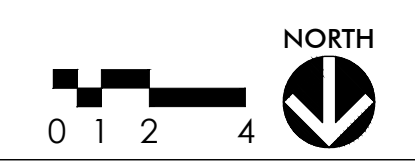
FINISH KEY NOTES

- AT FRP-1, PROVIDE PVC TRIM MOULDING AT ALL EDGES AND DIVISIONS. COLOR TO MATCH. PAINT (P-1) ABOVE FRP-1 TO CEILING HEIGHT.
- PROVIDE FLOORING SPECIFIED WHERE SAFE IS BOLTED TO GROUND.
- NOT USED.
- START FULL TILE CENTERED AT ENTRY DOOR, AS SHOWN ON PLAN.
- NOT USED.
- PROVIDE SCHLUTER SYSTEM JOLLY EDGE WHERE WALL TILE MEETS FRP AS INDICATED ON PLAN.
- DO NOT PROVIDE FLOORING AT WALK-IN FREEZER.



PREPARED BY: QK CHECKED BY: AC

01 Finish Plan
Scale: 1/4" = 1'-0"





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Addendum #1 07/13/2021

For Review 06/10/2021

No. Issued Date



Chisolm Trail
Ranch

5309 McPherson Blvd.
Suite No: 230
Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title

Millwork Plan

Sheet Number

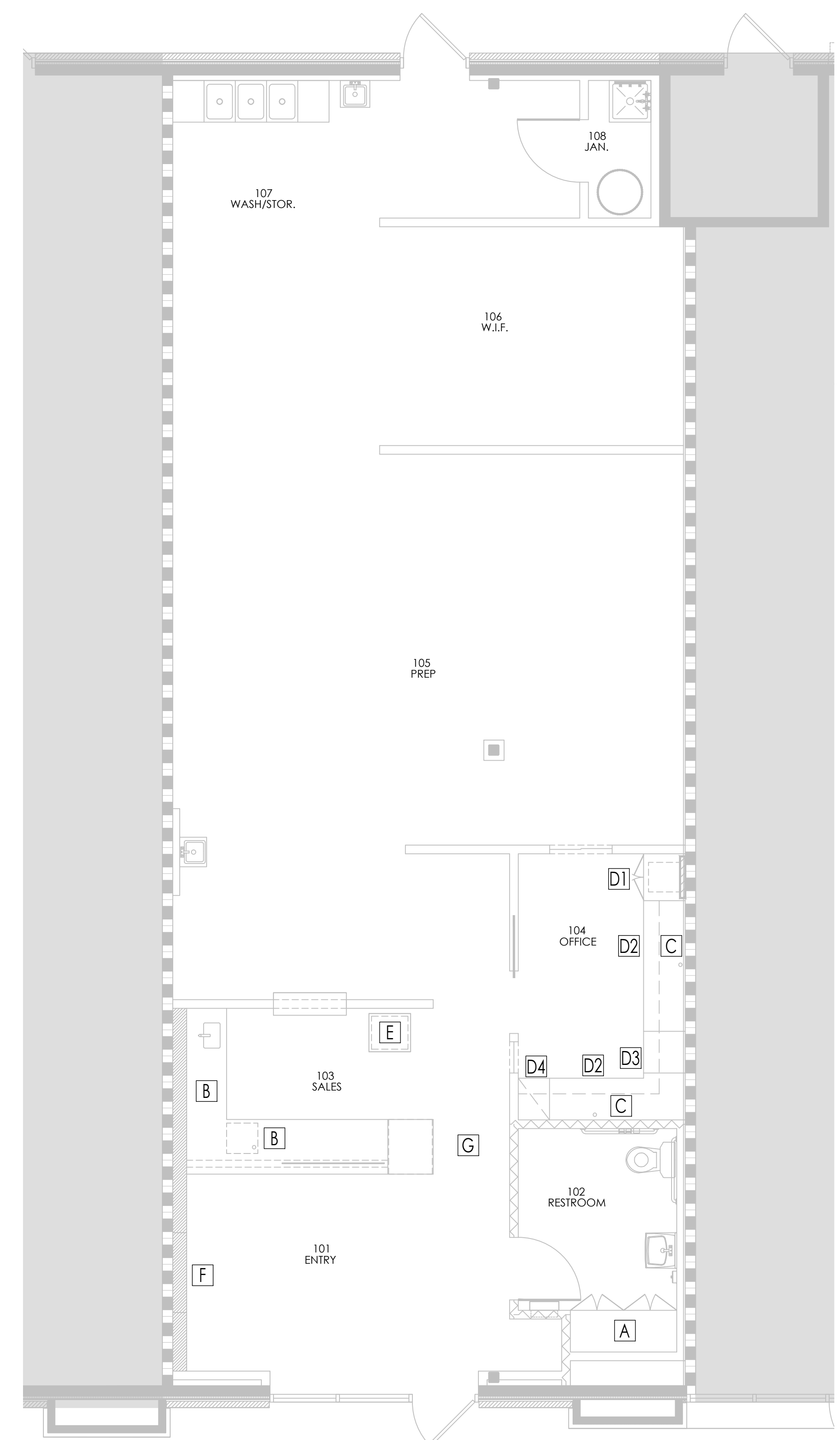
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14.02

LEGEND

[ALL SYMBOLS MAY NOT APPLY]

XX MILLWORK NUMBER



MILLWORK SCHEDULE

- ALL MILLWORK TO BE PROVIDED AND INSTALLED BY TENANT'S VENDOR CONTRACTOR TO HOOK UP AND INSTALL, U.N.O.
- PROVIDE 1/4" LEAVE-OUT AT EACH MILLWORK FOR SIZE CONSTRAINTS TO PARTITIONS.
- PROVIDE PLAM FILLER PIECES TO ENSURE ALL GAPS ARE COVERED.
- BLACK MELAMINE INTERIOR, U.N.O.
- VENDOR TO PROVIDE ALL MILLWORK HARDWARE, U.N.O.

| MARK | QTY | MILLWORK | MANUFACTURER/DIMENSIONS |
|------|-----|---------------------------------|---|
| A | 2 | RESTROOM STORAGE CABINET | (2) SET OF DOORS: 5'-1"W x 2'-0"D x 7'-0"H |
| B | 2 | SALES COUNTER | VERTICAL SPAN: 5'-4"W x 1'-1 1/2"D x 2'-10"H; HORIZONTAL SPAN: 11'-10"W x 2'-7-1/2"D x 2'-10"H; WITH 4" H STAINLESS STEEL TOEKICK AND INTERIOR CABINETS |
| C | 2 | OFFICE - UPPER CABINET | VERTICAL SPAN: (7) EQ. DOORS AT 9'-3"HL x 3'-6"H; HORIZONTAL SPAN: (4) EQ. DOORS AT 6'-9"HL x 3'-6"H |
| D1 | 1 | OFFICE - SERVER CABINET | 8'-4"H x 2'x4"W, PHONE BD. TO BE OPEN CABINERY. BELOW CABINERY AT 3'-4" A.F.F. W/ NO TOEKICK; DOOR TO CONTINUE 1" A.F.F. |
| D2 | 2 | OFFICE - COUNTERTOP | VERTICAL SPAN: 2'-0" D x 8'-6"HL x 2'-6"H; HORIZONTAL SPAN: 2'-0"D x 6'-0"HL x 2'-6"H |
| D3 | 1 | OFFICE- PRINTER STORAGE CABINET | 2'-0"W x 2'-0"D x 1'-2-1/2"H |
| D4 | 1 | OFFICE - DRAWER CABINET | 1'-5" W x 2'-0"D; BOX, BOX, FILE; PROVIDE LOCKS ON ALL DRAWERS |
| E | 1 | CONVECTION OVEN CABINET | 2'-1"W x 1'-10-1/2"D x 2'-3-3/4"H |
| F | 1 | ENTRY TV | 3'-10"W x 8'-1/2"D x 2'-2"H WITH 2" TRIM |
| G | 1 | CEILING ELEMENT | 16'-2"W x 4'-0"D x 3"H; VERIFY SECTION ON SHEET I3.01 |

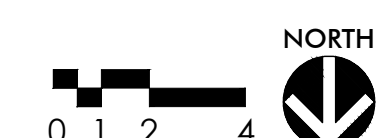
FINISH SCHEDULE

FINISHES BELOW TO BE PROVIDED BY TENANTS VENDOR

- QTZ-1 QUARTZ SILESTONE, STELLAR SERIES, STELLAR SNOW
LOCATION: SALES
MARK: B
- PL-1 PLASTIC LAMINATE LAMIN-ART, PEARLESCENCE 2300-B PLATINUM CATALYST FINISH
LOCATION: VERTICAL SURFACES @ SALES
MARK: B, E
- PL-2 PLASTIC LAMINATE FORMICA, 949-90 GLOSS FINISH
LOCATION: UPPER CABINETS AT OFFICE
MARK: C
- PL-3 PLASTIC LAMINATE FORMICA, COLORCORE2, 7223C-90, NEW WHITE, GLOSS FINISH
LOCATION: MENU RECESS @ ENTRY TV AND VERTICAL FACES @ SALES, STORAGE CABINET IN VESTIBULE
MARK: A, B, F
- PL-4 PLASTIC LAMINATE WILSONART, CARBON MESH 4880-38, FINISH VELVET FINISH
LOCATION: COUNTERTOP/SPLASH @ OFFICE, MITER CORNERS/EDGES
MARK: D2
- PL-5 PLASTIC LAMINATE WILSONART, GREY ELM 8201K-12, SOFTGRAIN FINISH
LOCATION: LOWER CABINETS AT OFFICE
MARK: D1, D3, D4
- GL-1 GLASS CUSTOM, PROVIDED BY TENANT'S VENDOR
LOCATION: SALES
MARK: B
- P-2 PAINT, LATEX, EGG SHELL SHERWIN WILLIAMS, SW2849 WESTCHESTER GRAY
LOCATION: BEHIND GL-1 AT SALES
MARK: B
- PL-C PLASTIC LAMINATE NEVAMAR, WT003PV, VALENCIA TEAK, POLISHED VELVET
LOCATION: CEILING ELEMENT AT SALES/ENTRY AREA
MARK: G

PREPARED BY: QK CHECKED BY: AC

01 Millwork Plan
Scale: 1/4" = 1'-0"





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Chisolm Trail Ranch
5309 McPherson Blvd.
Suite No: 230
Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title
Interior Elevations

Sheet Number © 2021

15.01

SPECIFICATIONS

MILLWORK HARDWARE

*ALL ITEMS MAY NOT APPLY

- HINGES: BLUM 120 CLIP TOP CONCEALED OR EQUAL
- PIN SUPPORTS: AT WHITE MELAMINE - KV 338 AT BLACK MELAMINE OR WOOD - KV 331
- BOX DWR SLIDE: KV 8400 OR EQUAL
- FILE DWR SLIDE: KV 8505 OR EQUAL
- SHELF SUPPORT: HAFELE 282.04.711, 5 mm.
- KNEE PANEL: HAFELE KEKU SUSPENSION FITTING 262.49.310
- LOCKS: COMXP NATIONAL, STOCK DRWR. C8703, DOORS C8704
- ELBOW CATCH: IVES, IV2AM AT INACTIVE DOOR OF LOCKING PAIR
- GROMMET: DOUG MOCKETT, 2 1/2" EDP3 SERIES, BLACK
- TRASH GRMT.: DOUG MOCKETT 8" ROUND TM2B-PSS / 8" SQUARE TM2C-PSS
- ADJ. SHELVING: KV 87 STDs AND 187 BRKTS
- CLOSET ROD: KV 660 WITH CAPS AND FLANGES
- FLOATING SHELF BRACKET: AKSEL XD 3 ROD BRACKET

CABINET PULL HARDWARE

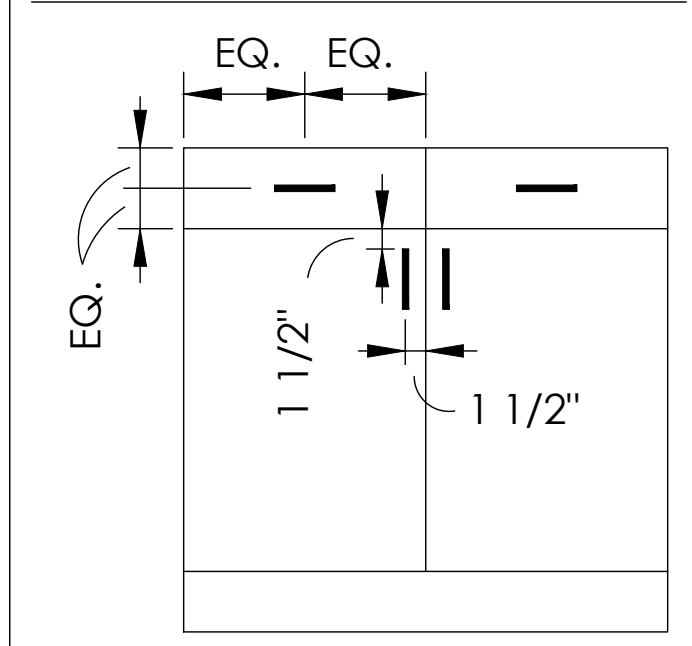
- CP-1: 5 1/2" CABINET BAR PULL EPCCO, EPC-8P030-SS, STAINLESS STEEL FINISH

5. TOE KICK SHALL MATCH FINISH OF FACE OF CABINETS. SCRIBE TO FLOOR. RUBBER BASE NOT ACCEPTABLE.
6. COUNTERTOPS AT SINK LOCATIONS SHALL BE CONSTRUCTED OF 3/4" VENEER-CORE PLYWOOD. JOINTS SHALL OCCUR AT SINK. ANY CABINET 36" AND WIDER SHALL HAVE A CENTER STILE TO PREVENT SHELVES FROM SAGGING.
7. ALL CABINET SHELVES SHALL BE ADJUSTABLE, U.N.O.
8. ALL CABINETS WITH ADJUSTABLE SHELVES WILL BE SUPPORTED WITH 5 MM LINE BORE SUPPORTS, U.N.O.
9. ALL CABINETS THAT MEET A WALL TO THE RIGHT OR LEFT SHALL RECEIVE A 3/4" SCRIBE, U.N.O.
10. USE MATCHING CAULK AT COUNTERTOP, BACKSPLASH AND JOINTS.

MILLWORK PANELING

1. WHERE PLASTIC LAMINATE/WOOD VENEER IS SPECIFIED TO BE WALL MOUNTED, CONTRACTOR TO PROVIDE WOOD (OR EQ.) SUBSTRATE AS RECOMMENDED BY MANUFACTURER INSTALLATION INSTRUCTIONS. SEAL ALL EXPOSED EDGES WITH APPROVED SEALANT. CONFIRM LOCATION OF SEAMS WITH DESIGNER PRIOR TO FABRICATION.

CABINET HARDWARE PLACEMENT



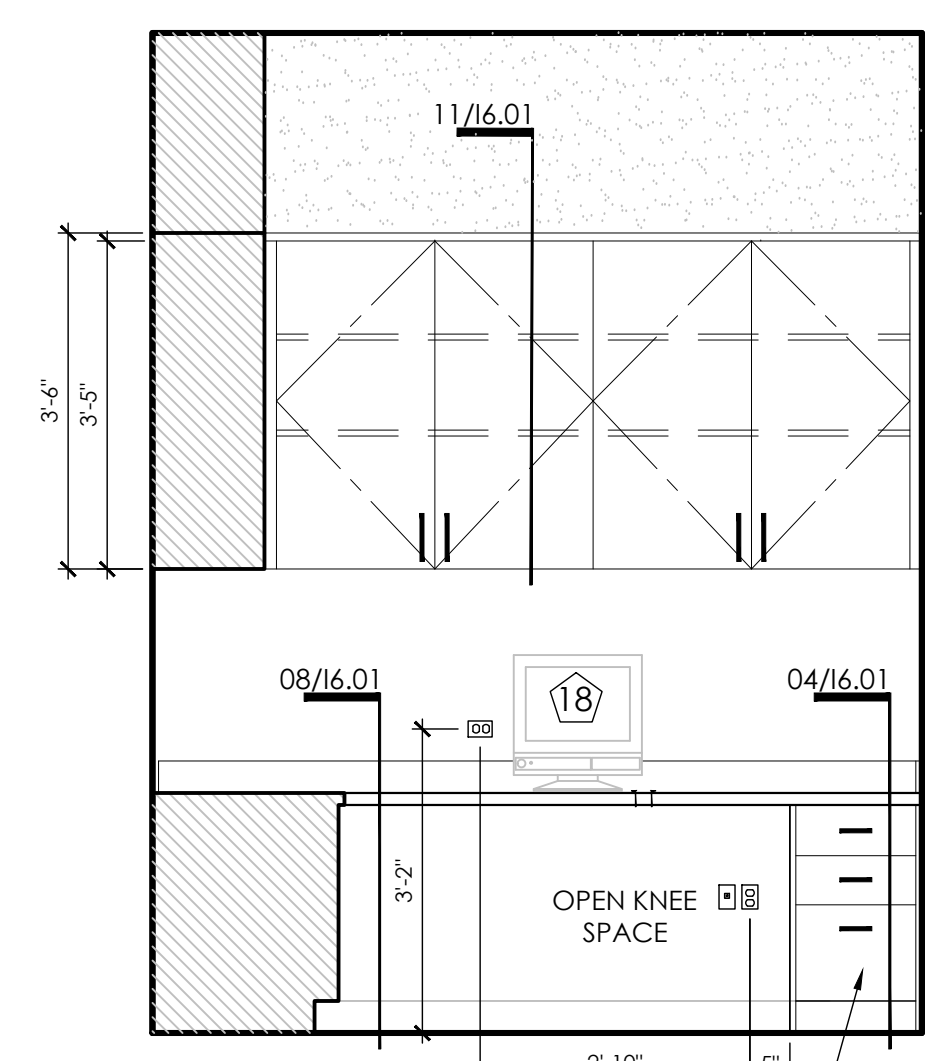
SPECIFICATIONS

CABINET CONSTRUCTION

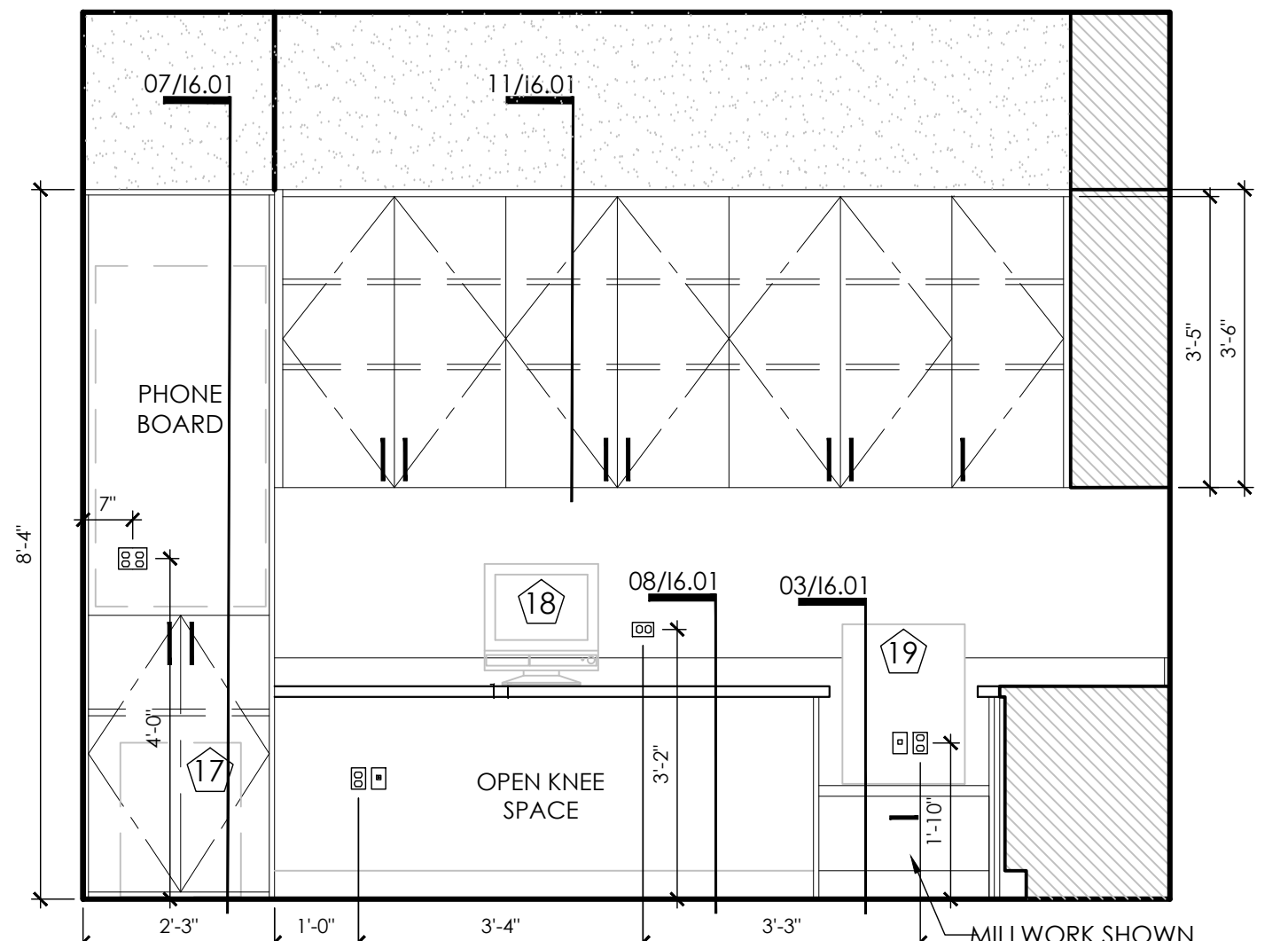
1. CABINETS SHALL CONFORM TO AWI SECTION 400, CUSTOM GRADE.
2. DOOR TYPE SHALL BE FLUSH OVERLAY, U.N.O.
3. MATERIAL THICKNESS SHALL BE AS FOLLOWS:
TOPS, BOTTOMS, SIDES = 3/4" THICK
BACKS, BASE AND UPPERS = 1/2" THICK
BACKS, FULL HEIGHT CABINETS = 1/2" MINIMUM
SHELVES = 3/4" THICK
DOORS = 3/4" THICK
DRAWER FRONTS = 3/4" THICK
DRAWER BACKS = 3/4" THICK
COUNTERTOPS = 3/4" THICK
COUNTERTOP DROP EDGE = 1 1/2", U.N.O.
BACKSPLASH = 4" X 3/4" THICK, U.N.O.
4. ALL DOORS UP TO 36" HIGH SHALL HAVE TWO HINGES PER DOOR. ALL DOORS OVER 36" SHALL HAVE THREE PER DOOR.
5. PROVIDE PLASTIC SCREW COVERS AT CONCEALED EXPOSED OR SEMI-EXPOSED SCREW HEADS.
6. ALL HORIZONTAL AND VERTICAL JOINTS BETWEEN DOORS AND DRAWERS SHALL BE 1/2".
7. FIELD VERIFY EXISTING CONDITIONS PRIOR TO FABRICATION.
8. CONTRACTOR TO ALLOW SUFFICIENT ADDITIONAL MATERIAL TO PERMIT ACCURATE SCRIBING TO WALLS, FLOORS AND RELATED WORK. AND MAKE AMPLE ALLOWANCES FOR CUTTING AND FITTING, AND FOR SUCH SHRINKAGE AS MAY DEVELOP AFTER INSTALLATION.

PLASTIC LAMINATE CABINETS

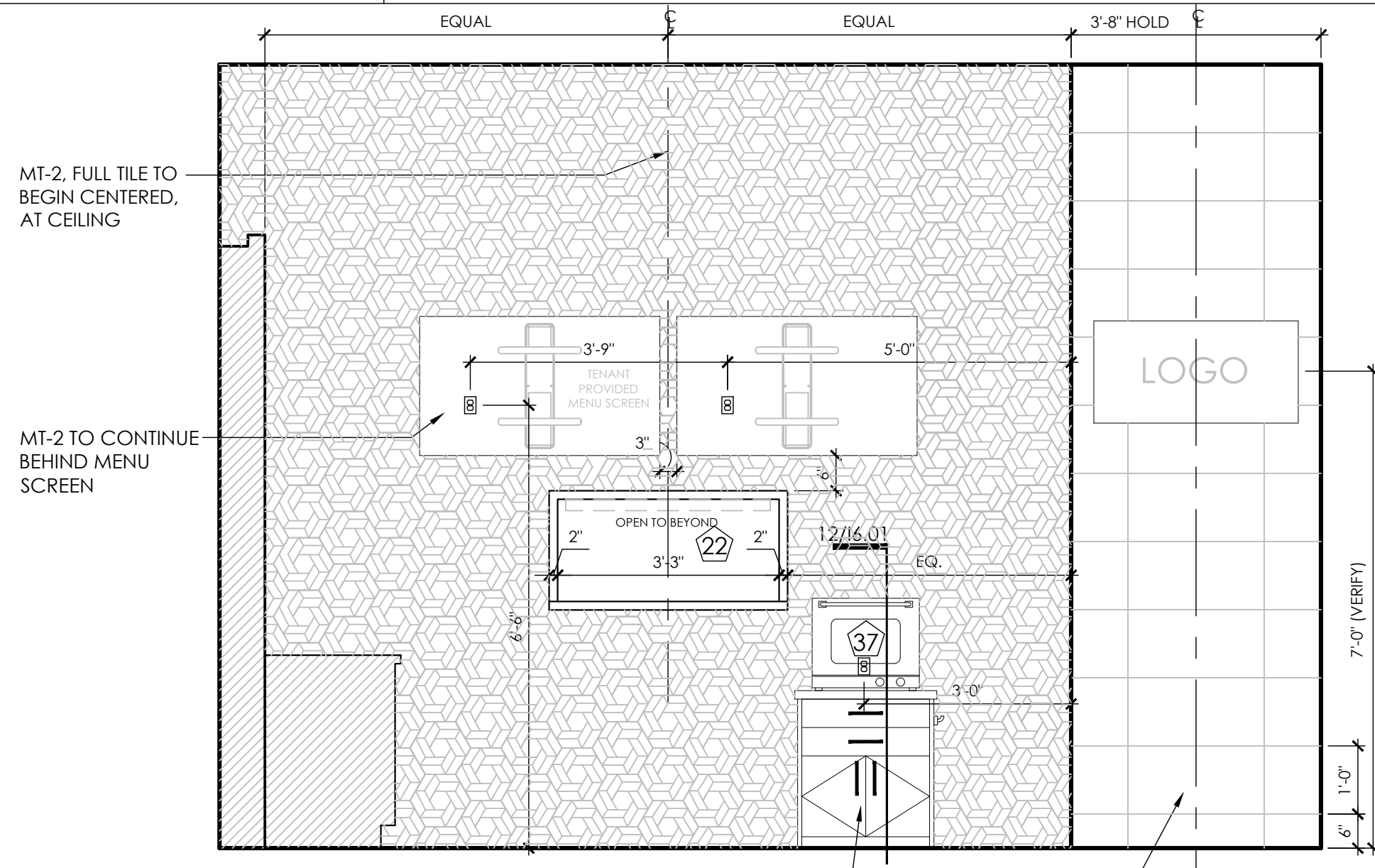
1. PLASTIC LAMINATE CABINETS SHALL BE CONSTRUCTED USING MELATECH THERMO-FUSED MELAMINE PANELS, 45LB. SUBSTRATE WITH BLACK INTERIOR AND BACKER SHEET, U.N.O. FINISHED ENDS SHALL BE COVERED WITH 0.30 PLASTIC LAMINATE. COUNTERTOPS SHALL BE .050 PLASTIC LAMINATE.
2. ALL EXPOSED SURFACES (INCLUDING INTERIORS OF OPEN CABINETS) SHALL BE PLASTIC LAMINATE, U.N.O.
3. ALL INTERIOR SURFACES SHALL BE BLACK MELAMINE, U.N.O.
4. EXPOSED AND SEMI-EXPOSED EDGES SHALL RECEIVE MATCHING PVC EDGE BANDING OR .030 PLASTIC LAMINATE.



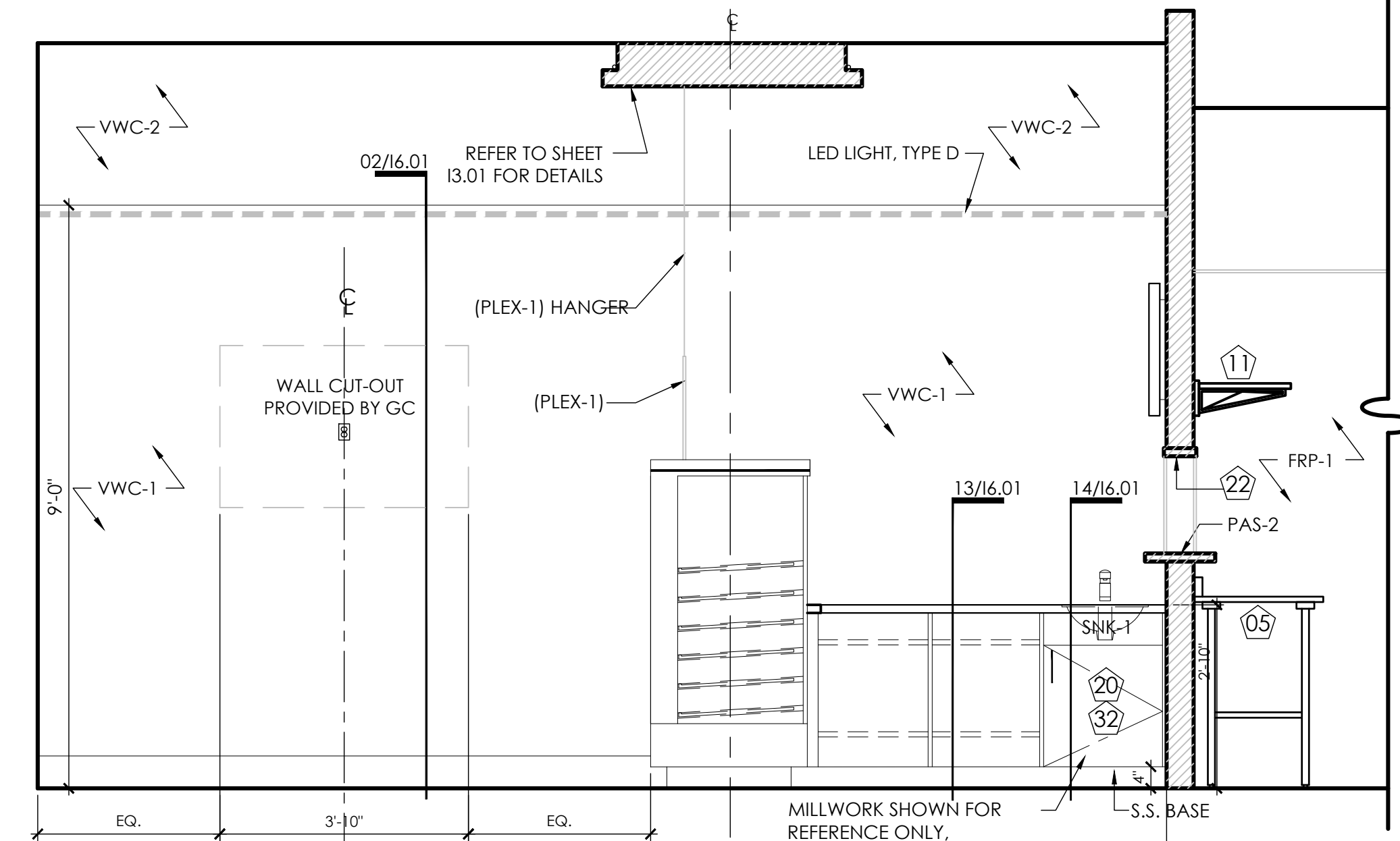
06 Elevation @ Office
Scale: 1/2" = 1'-0"



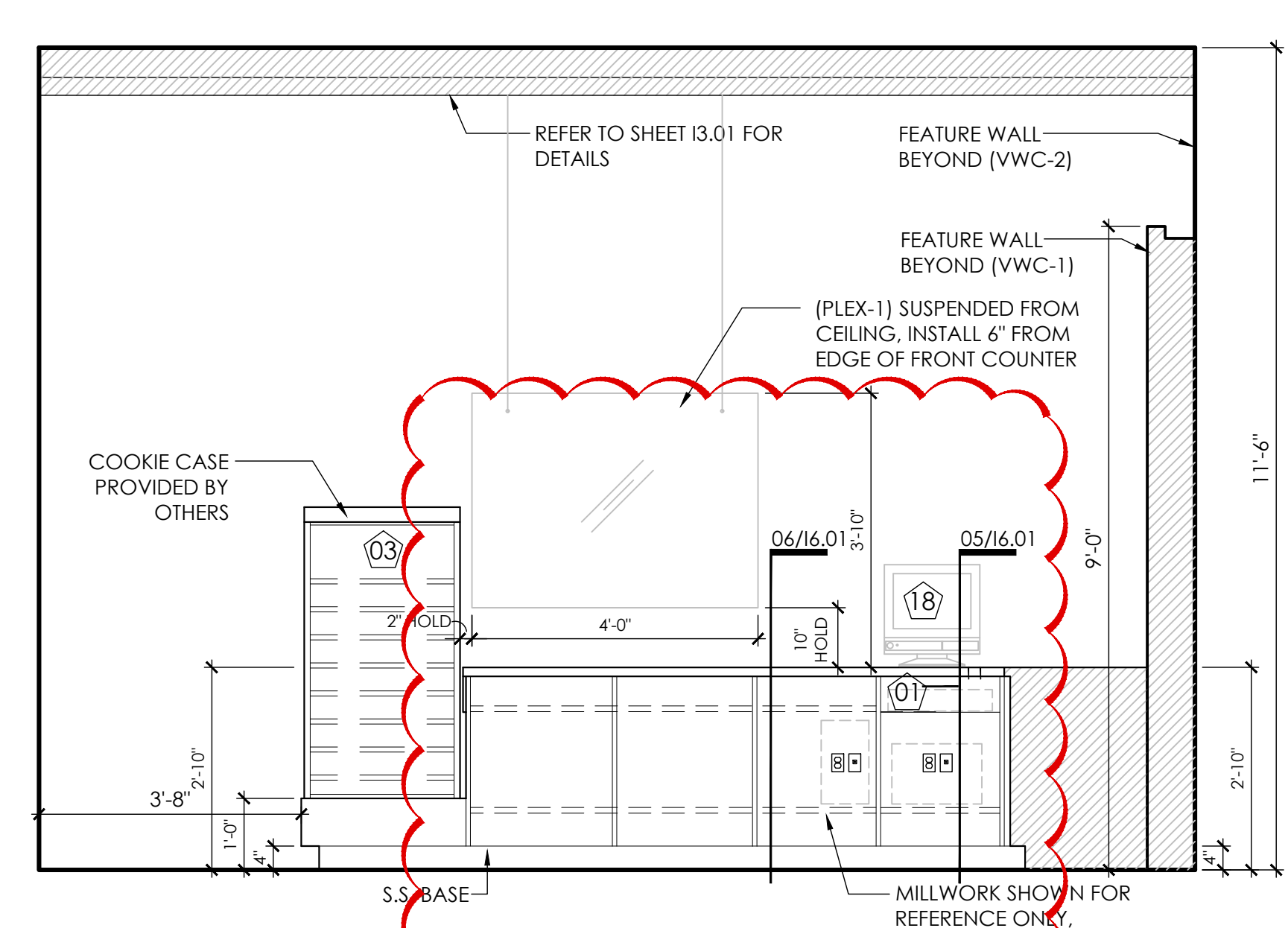
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Scale: 1/2" = 1'-0"



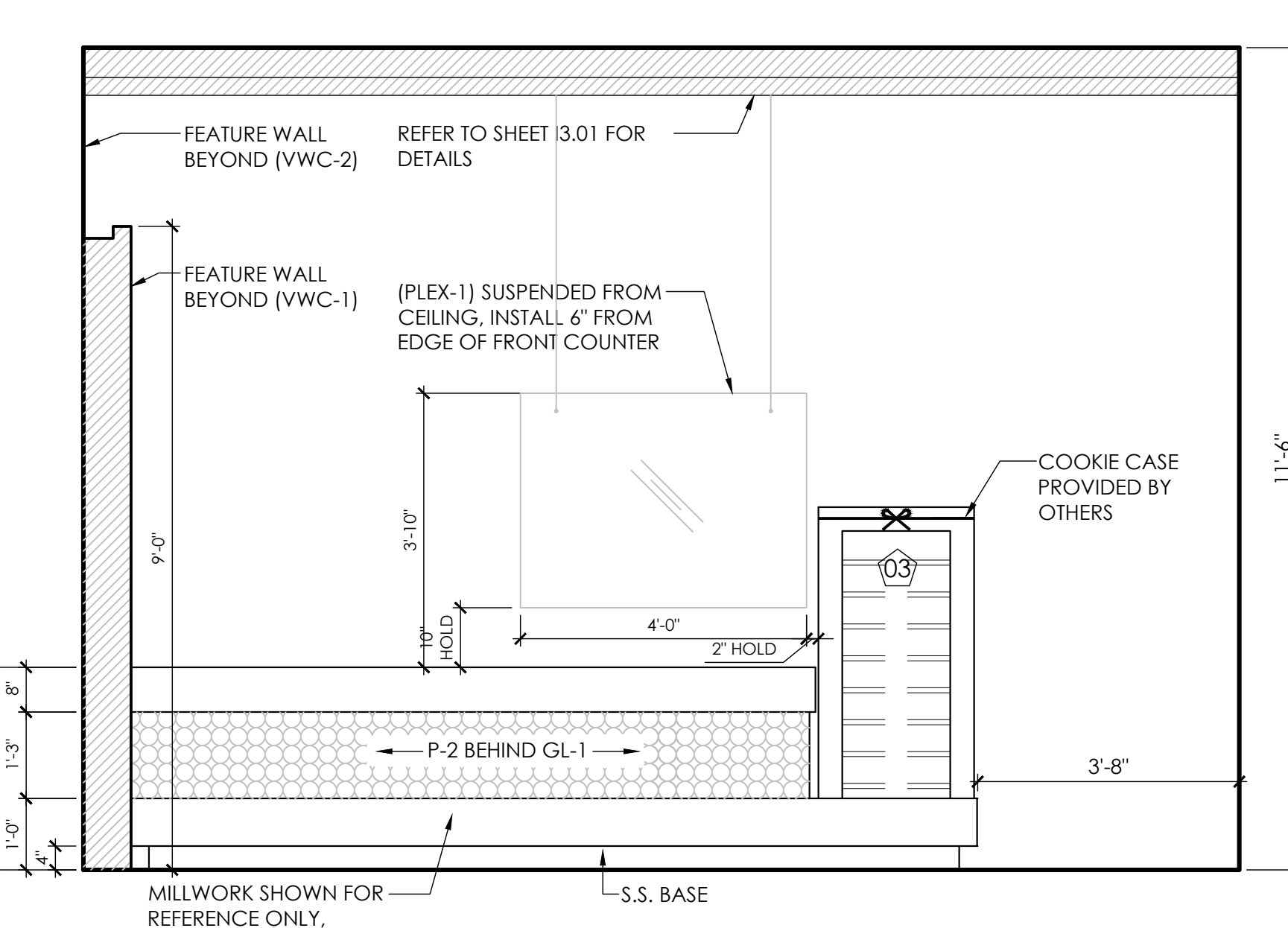
04 Elevation @ Sales
Scale: 1/2" = 1'-0"



03 Elevation @ Sales
Scale: 1/2" = 1'-0"



02 Elevation @ Sales
Scale: 1/2" = 1'-0"



01 Elevation @ Sales
Scale: 1/2" = 1'-0"

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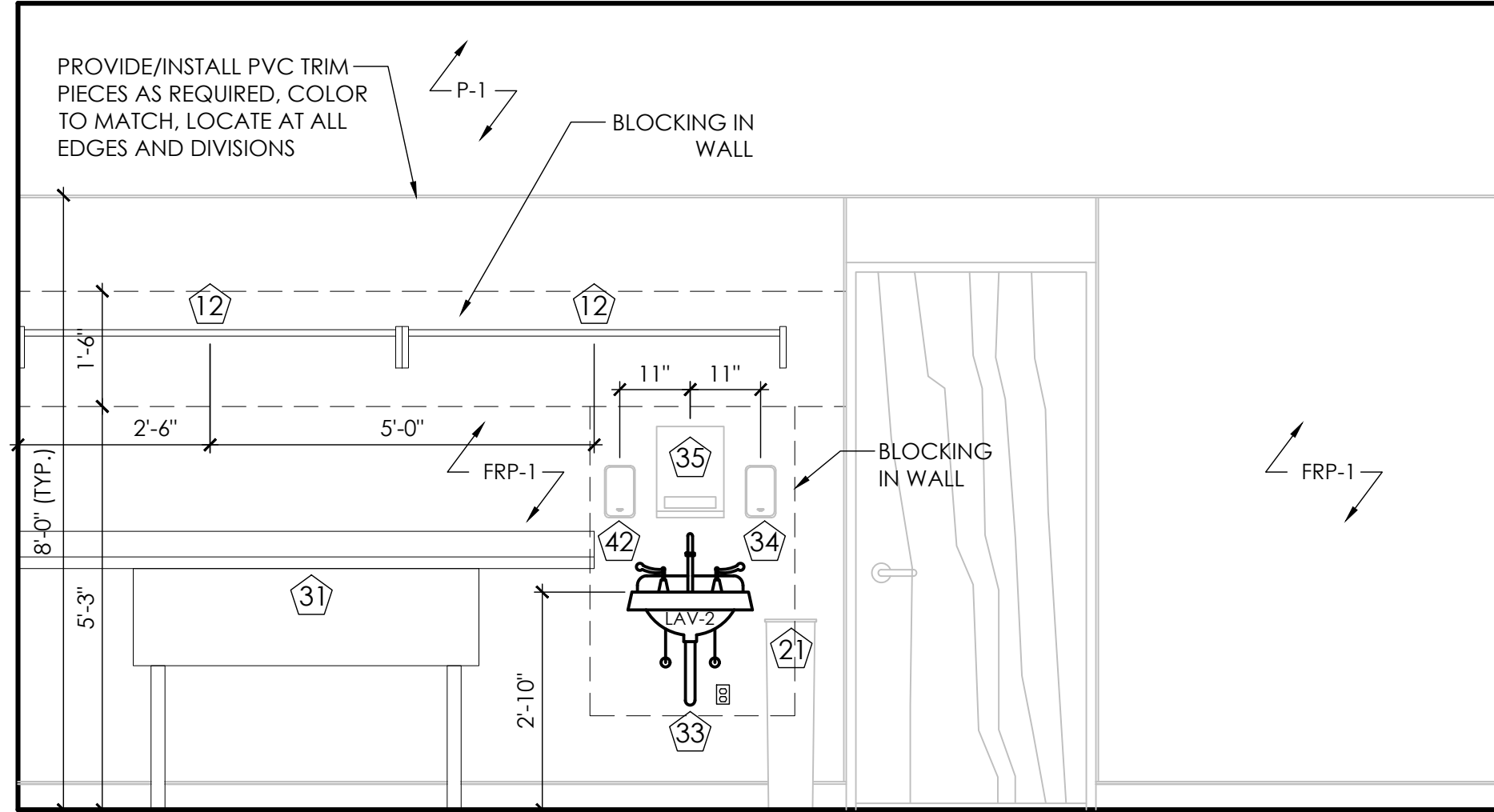
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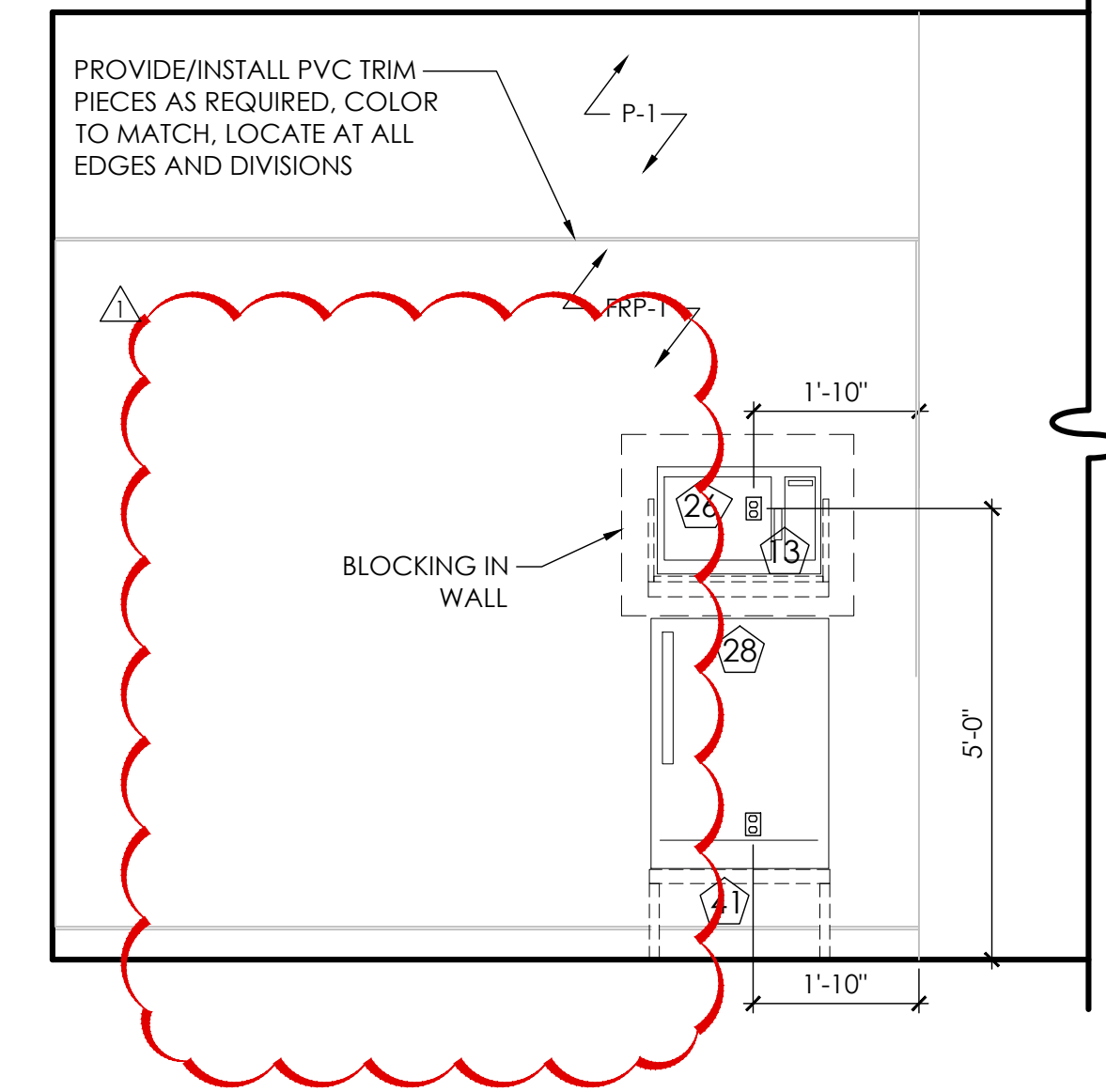
TYP: PROVIDE BLOCKING IN WALLS AT ALL HUNG ITEMS



07 Elevation @ Wash / Storage

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

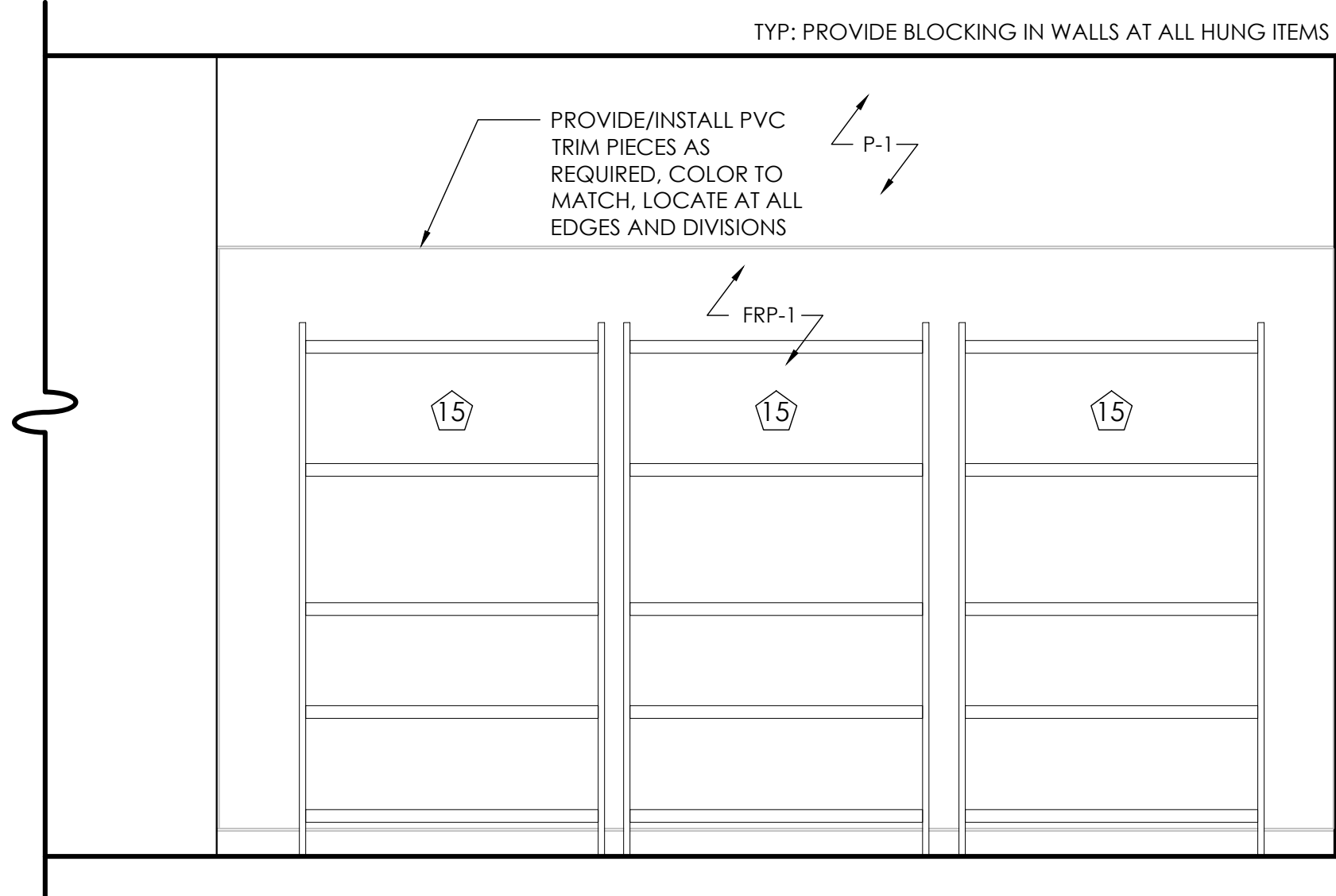
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06 Elevation @ Wash / Storage

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

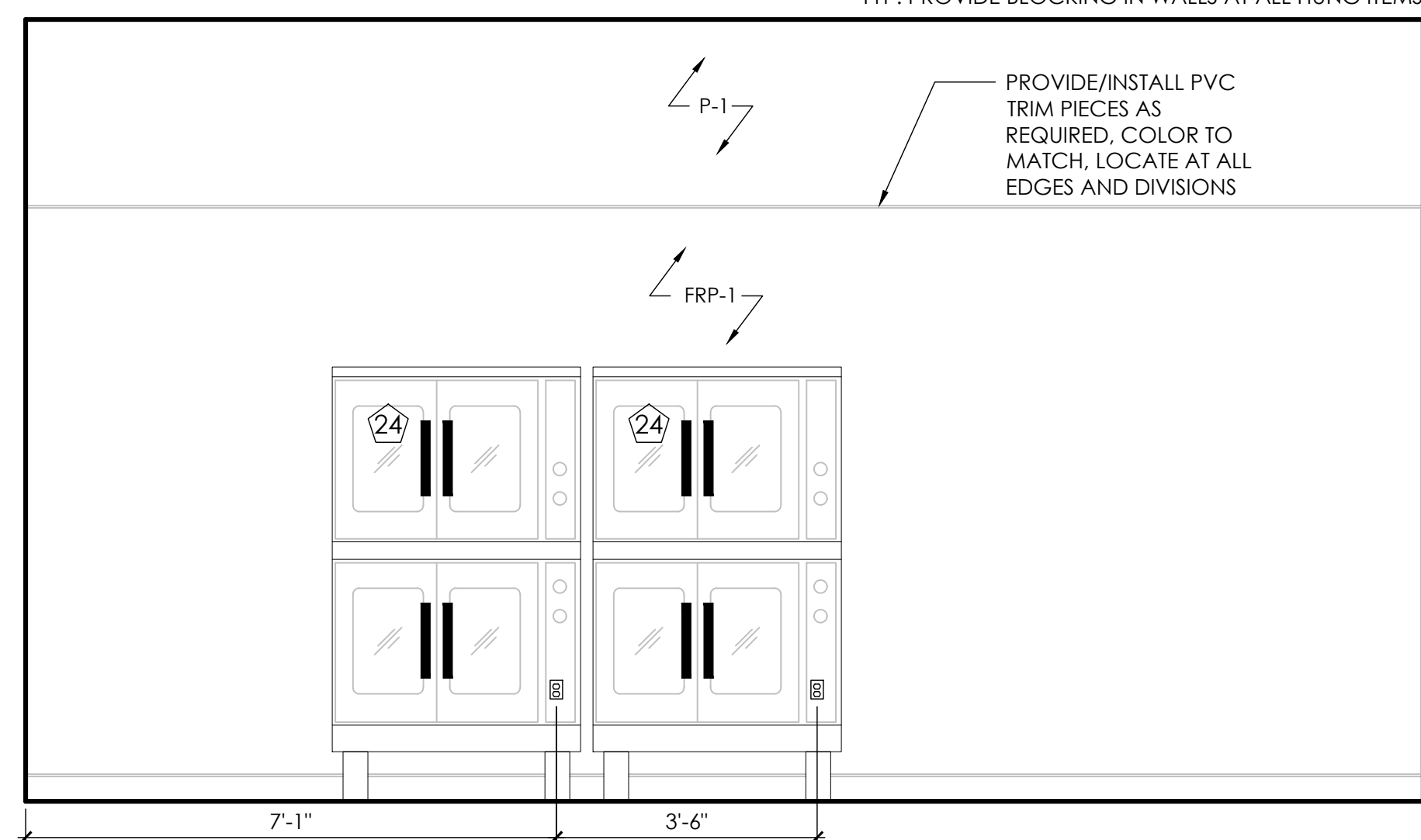
TYP: PROVIDE BLOCKING IN WALLS AT ALL HUNG ITEMS



05 Elevation @ Prep

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

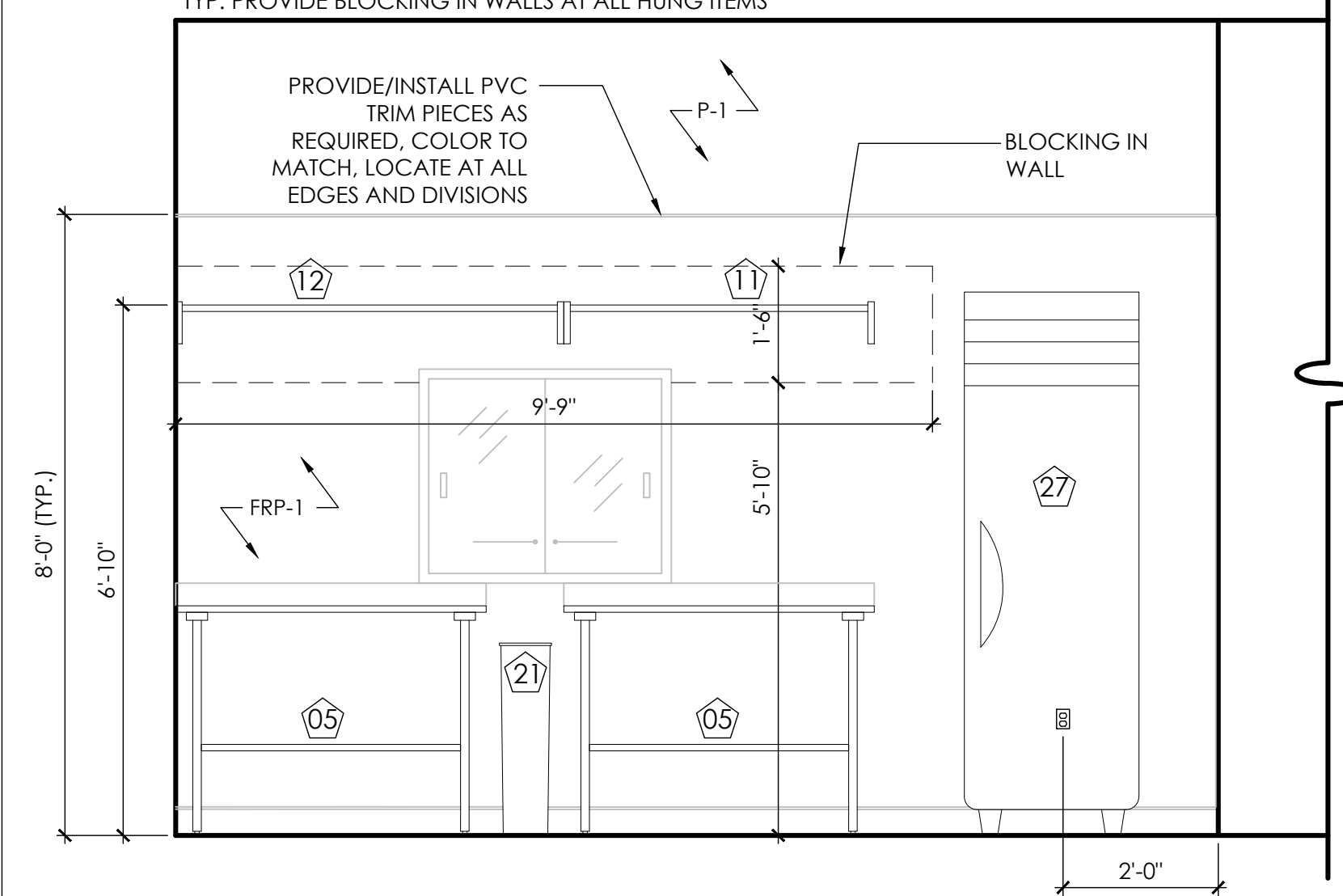
TYP: PROVIDE BLOCKING IN WALLS AT ALL HUNG ITEMS



04 Elevation @ Prep

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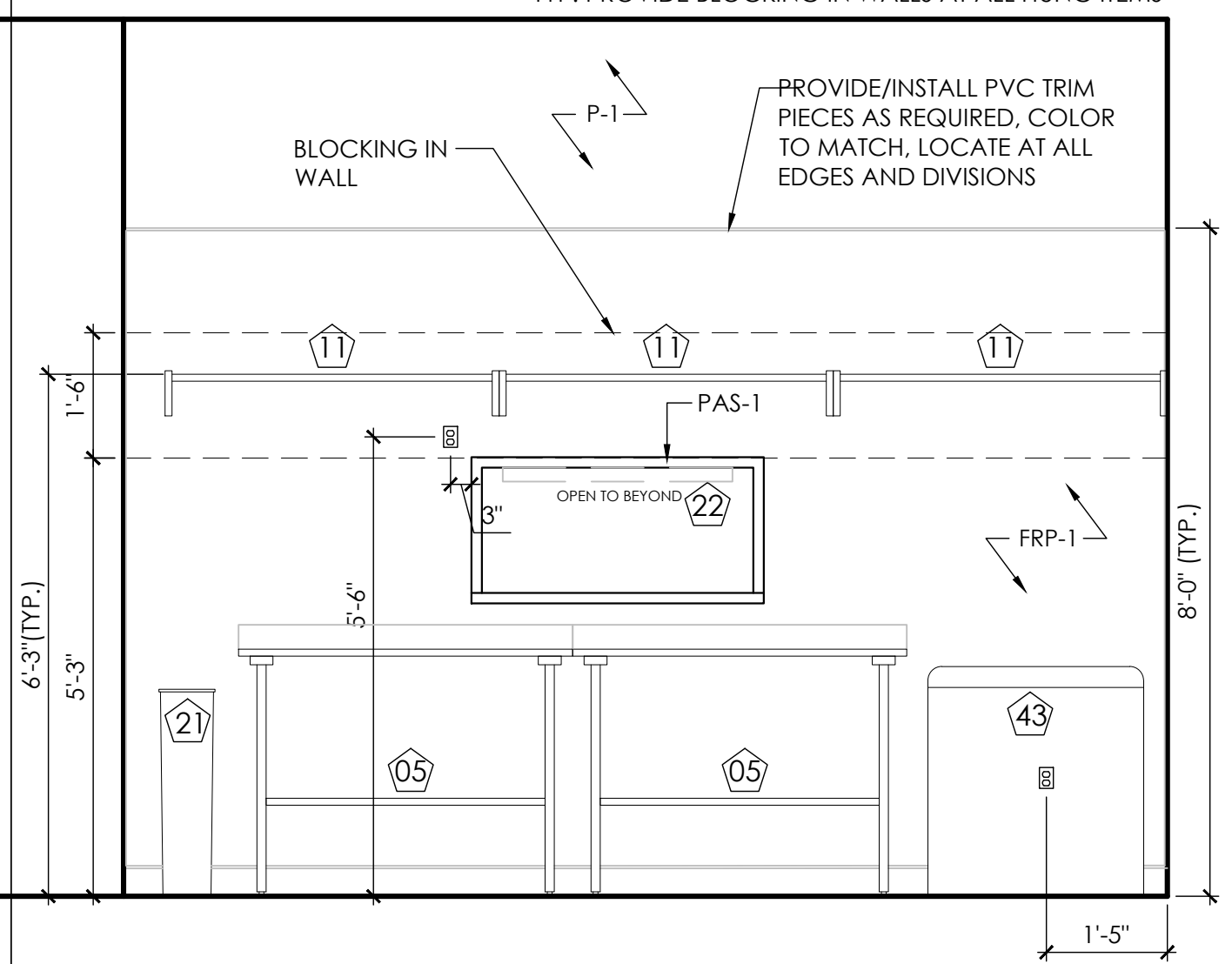
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03 Elevation @ Prep

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

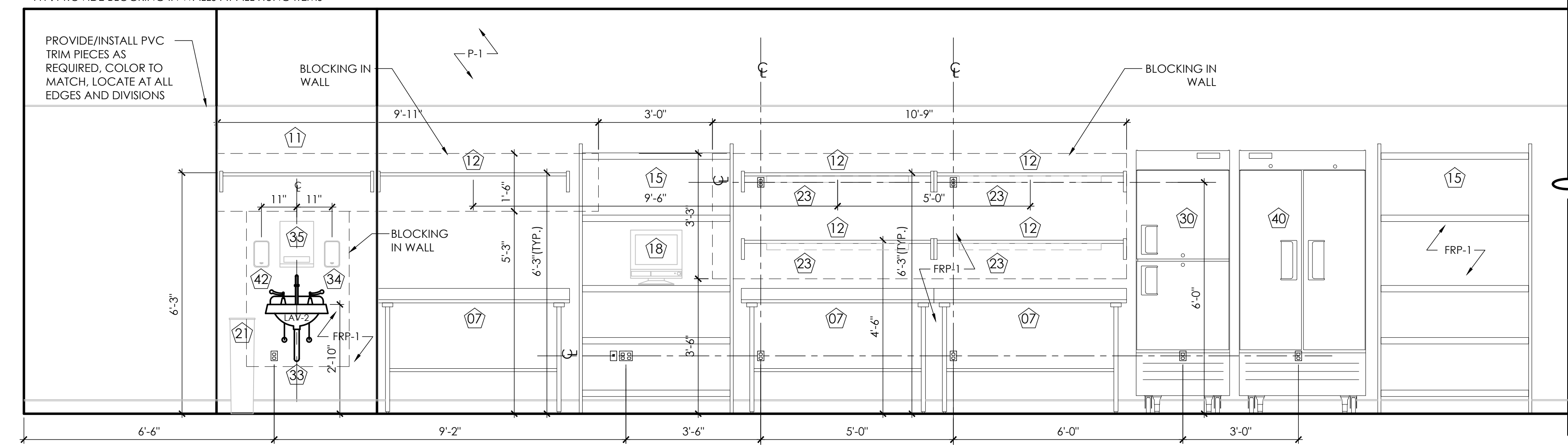
TYP: PROVIDE BLOCKING IN WALLS AT ALL HUNG ITEMS



02 Elevation @ Prep

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

TYP: PROVIDE BLOCKING IN WALLS AT ALL HUNG ITEMS



01 Elevation @ Prep

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

PREPARED BY: QK CHECKED BY: AC

| | |
|---------------|------------|
| ▲ Addendum #1 | 07/13/2021 |
| For Review | 06/10/2021 |
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Chisolm Trail Ranch

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Project ID: 17-1045-L079

Sheet Title
Interior Elevations

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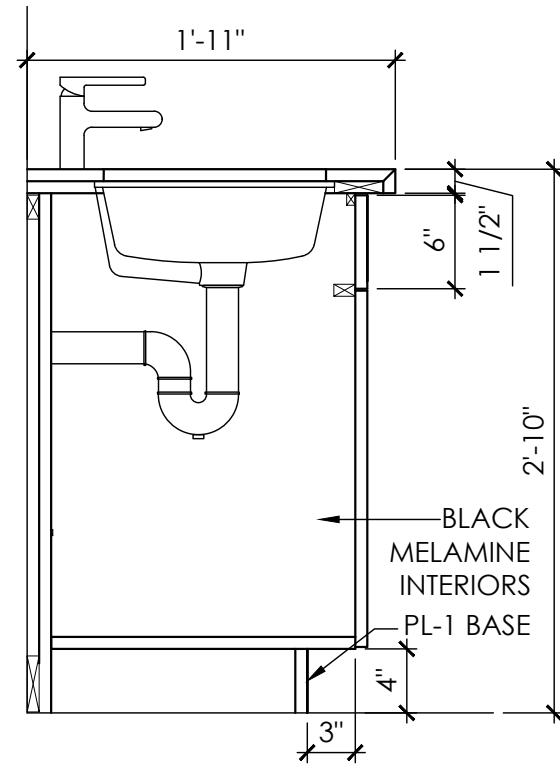
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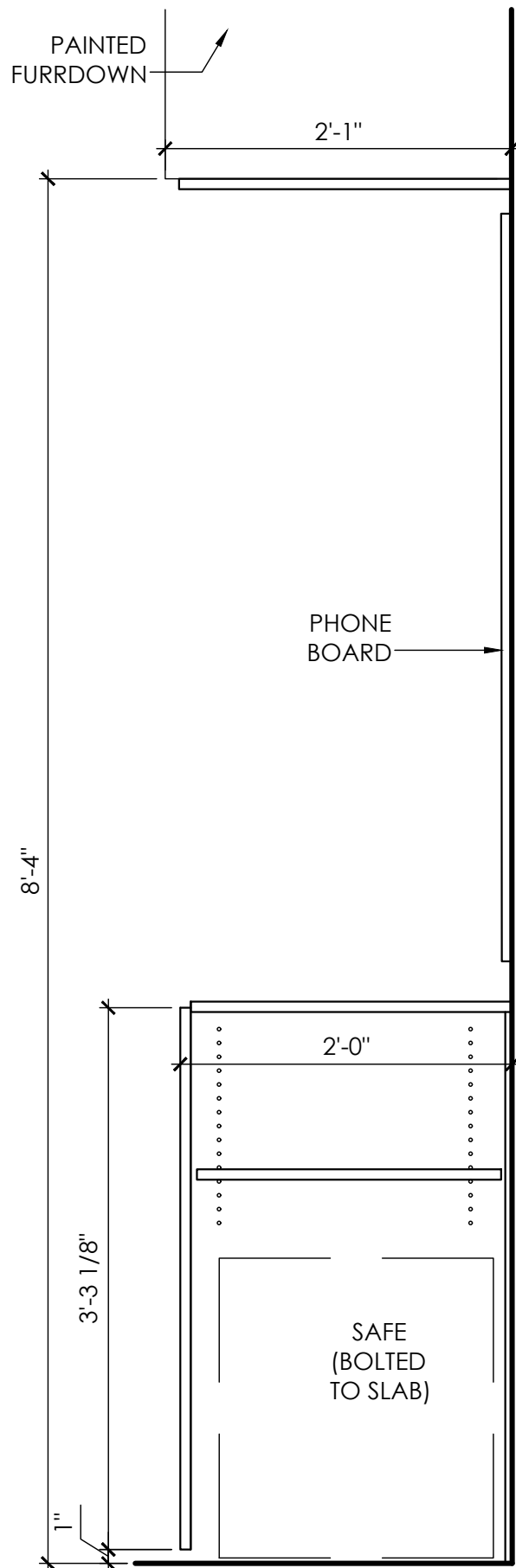
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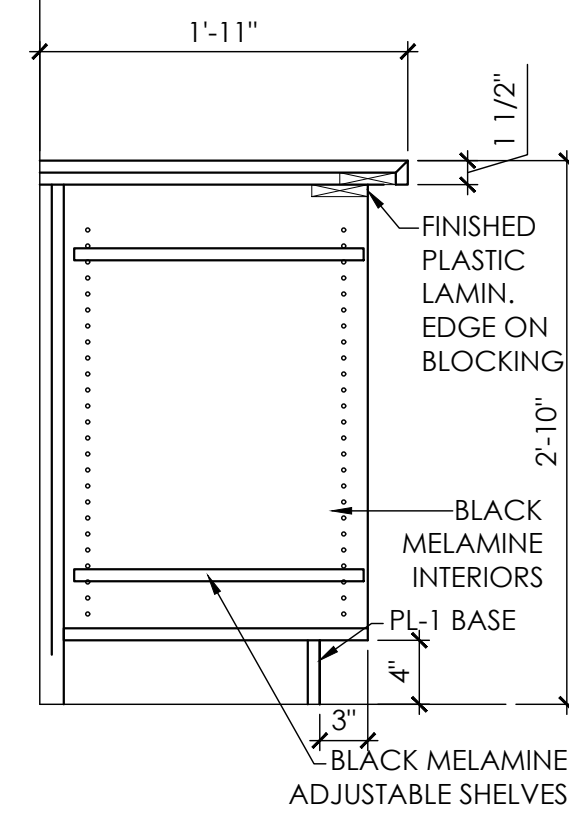
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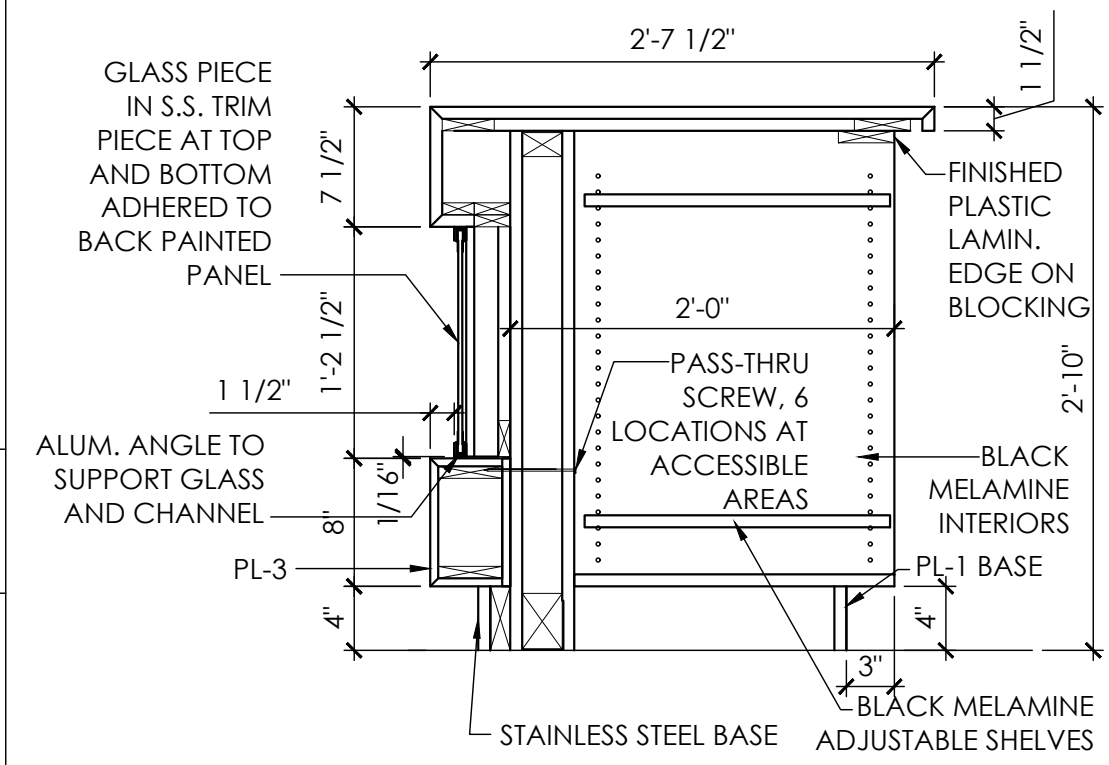
14 Section - Provided By Others
Scale: 1" = 1'-0" Sales Desk



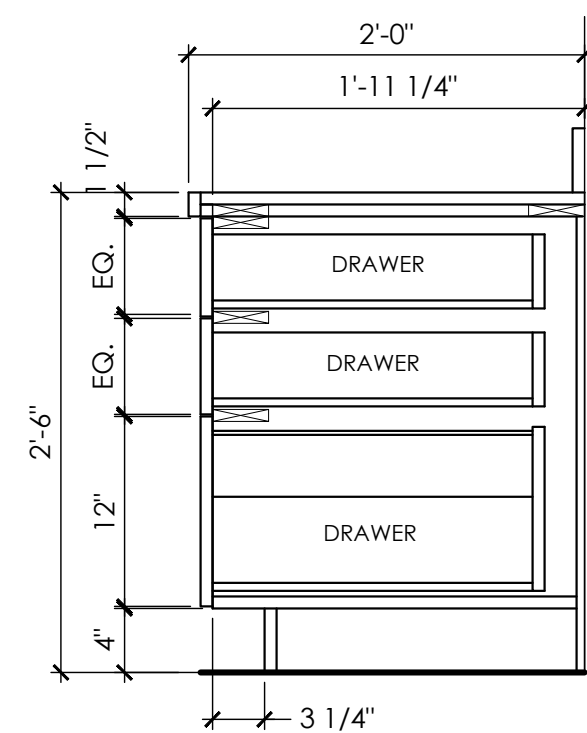
07 Section - Provided By Others
Scale: 1" = 1'-0" Wall Cabinet - Door Only



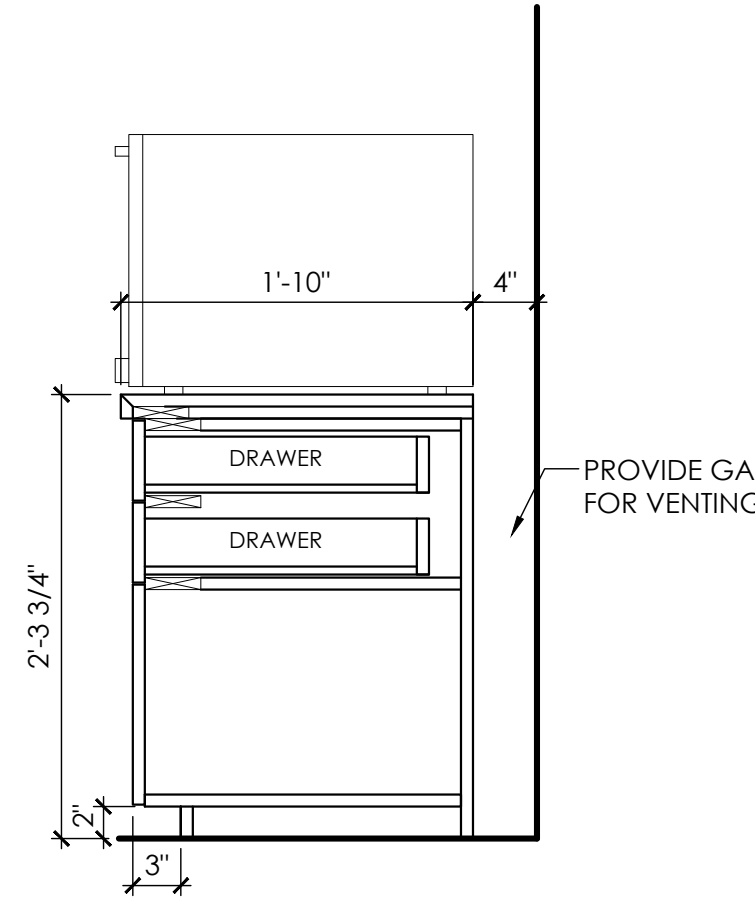
13 Section - Provided By Others
Scale: 1" = 1'-0" Sales Desk



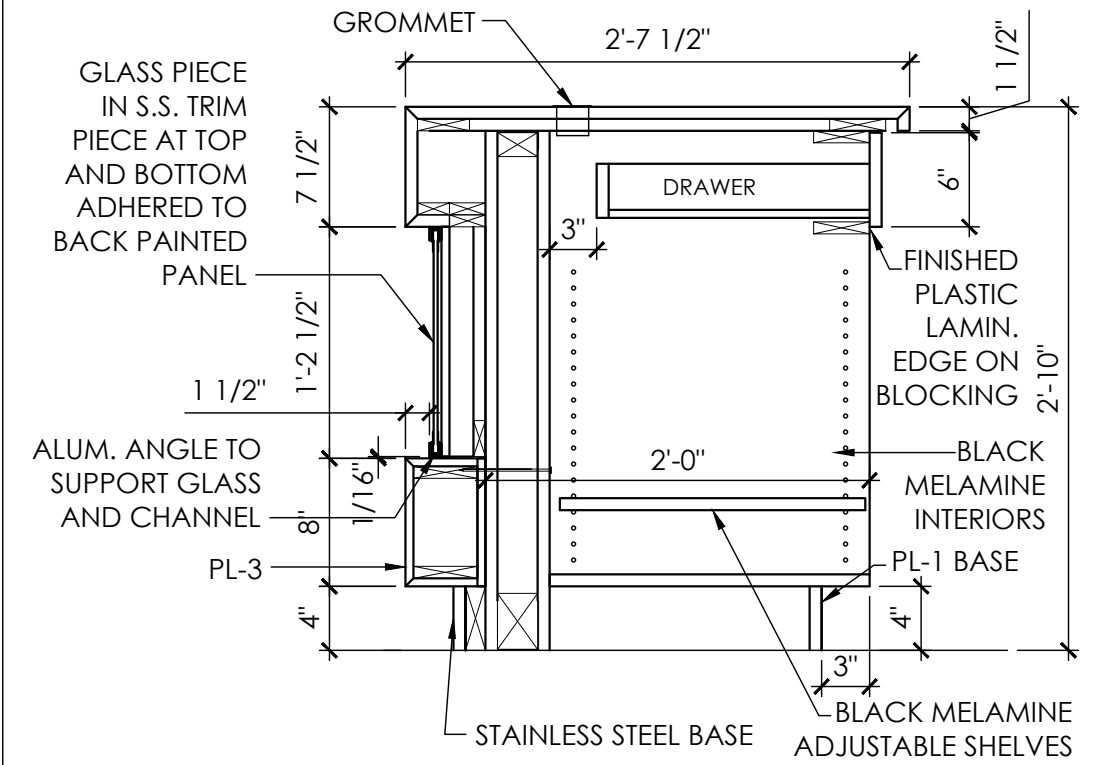
06 Section - Provided By Others
Scale: 1" = 1'-0" Sales Desk



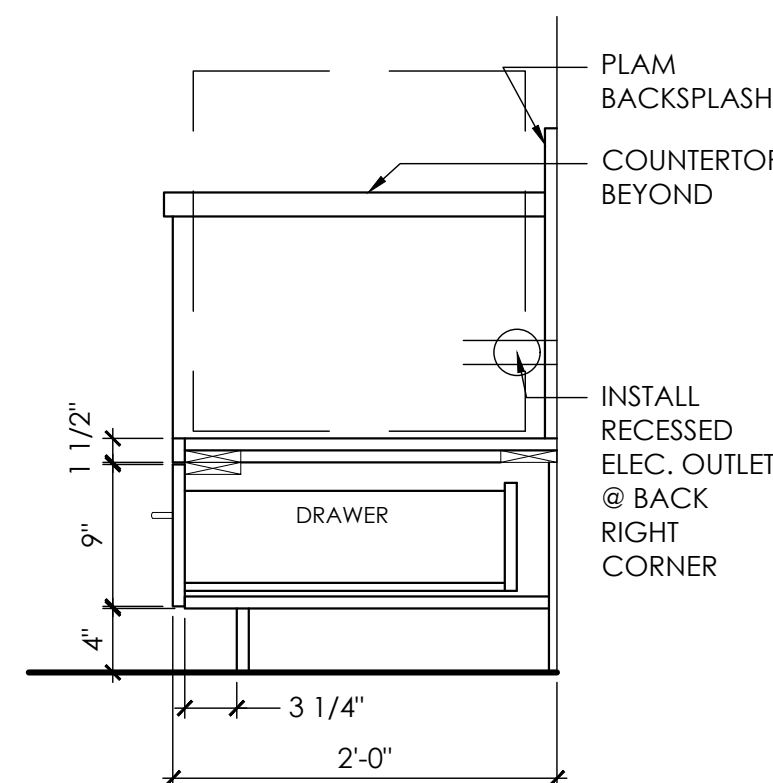
04 Section - Provided By Others
Scale: 1" = 1'-0" Base Cabinet - Box/Box/File



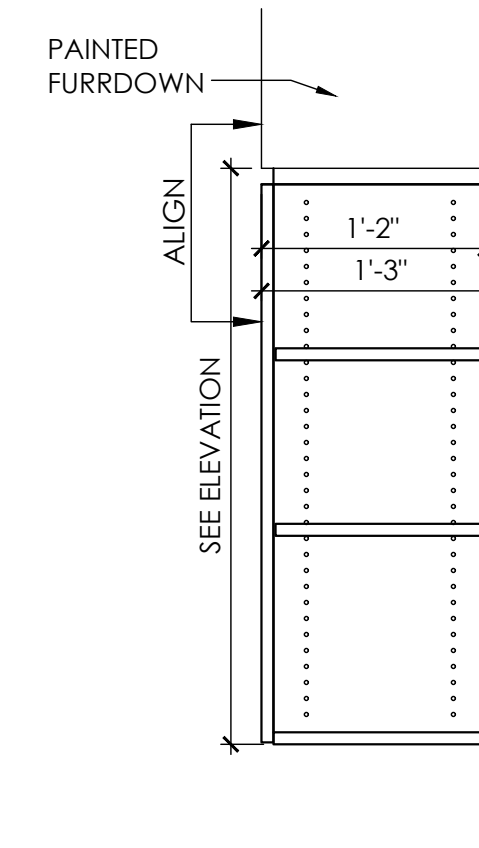
12 Section - Provided By Others
Scale: 1" = 1'-0" Sales Desk



05 Section - Provided By Others
Scale: 1" = 1'-0" Sales Desk

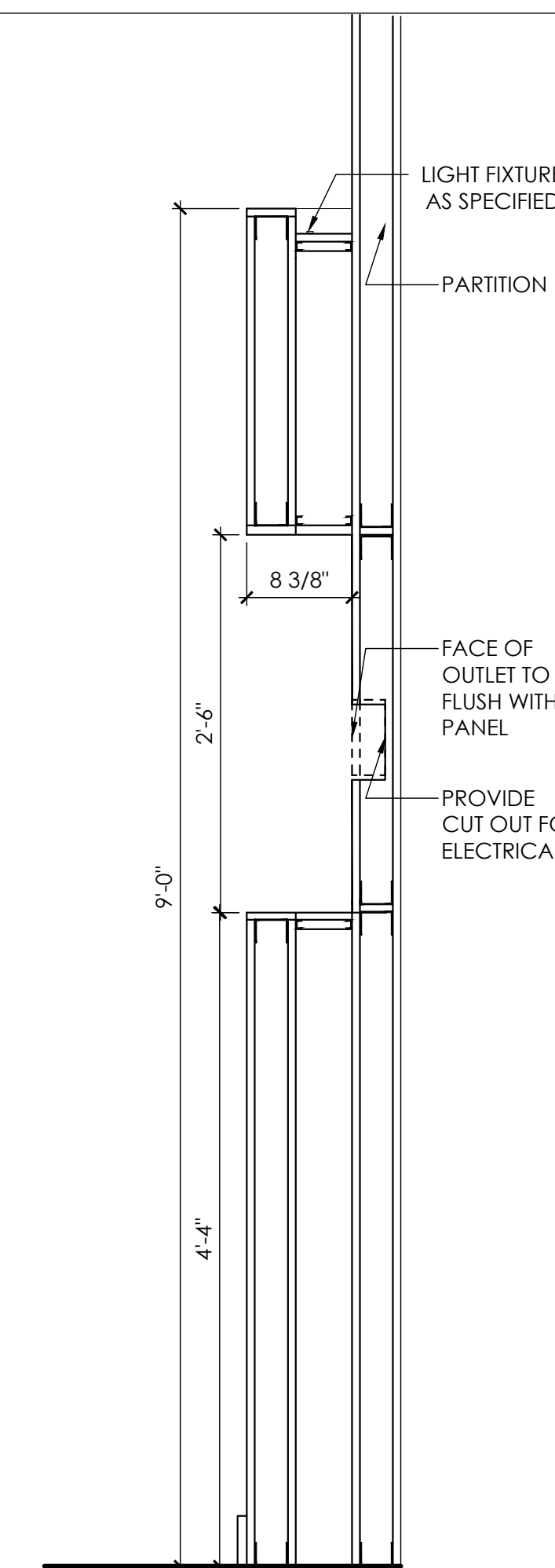


03 Section - Provided By Others
Scale: 1" = 1'-0" Base Cabinet - Printer



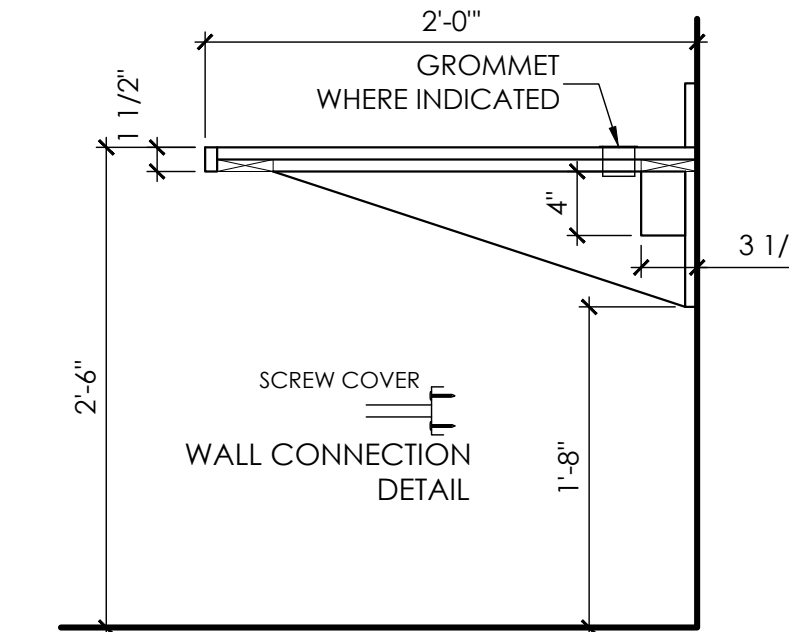
11 Section - Provided By Others
Scale: 1" = 1'-0" Wall Cab - Door Only

09 (Not Used)
Scale: 1" = 1'-0"

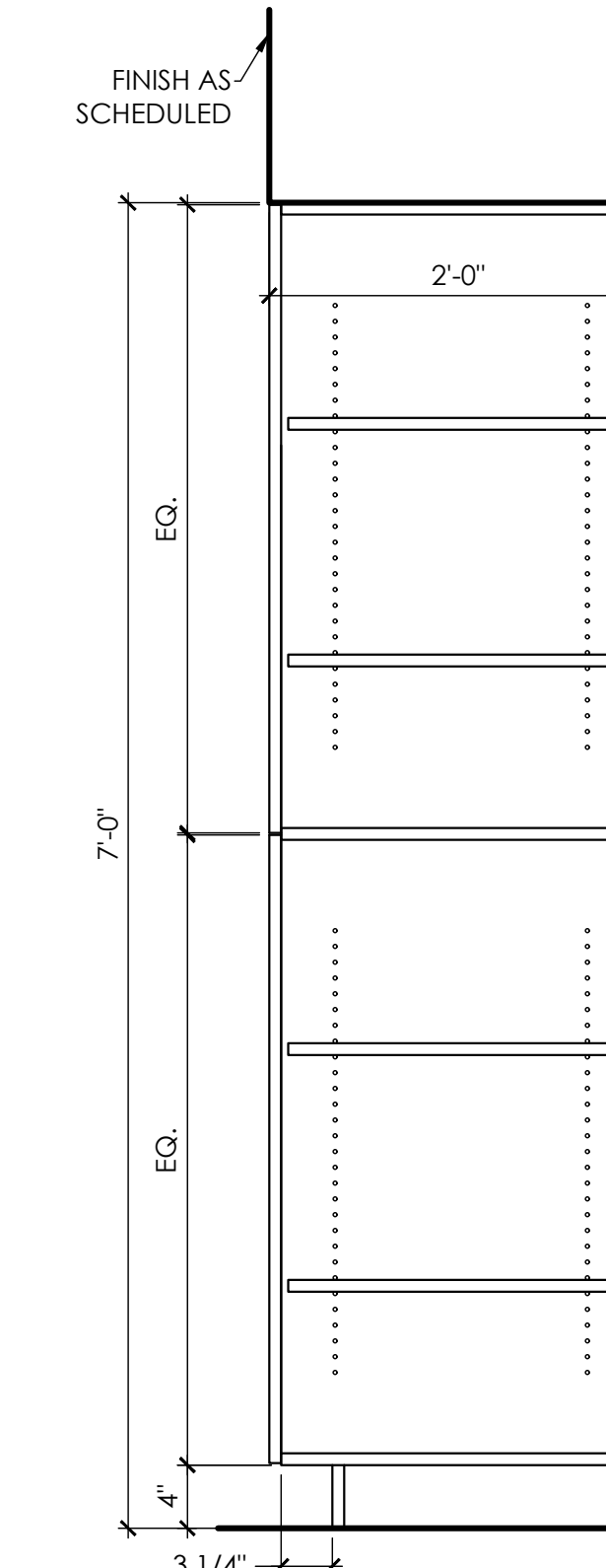


02 Section
Scale: 1" = 1'-0" Feature Wall

10 (Not Used)
Scale: 1" = 1'-0"



08 Section - Provided By Others
Scale: 1" = 1'-0" Base Cab - Worksurface



01 Section
Scale: 1" = 1'-0" Full-Height Cabinet

| | |
|-------------|------------|
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Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title
Interior Sections

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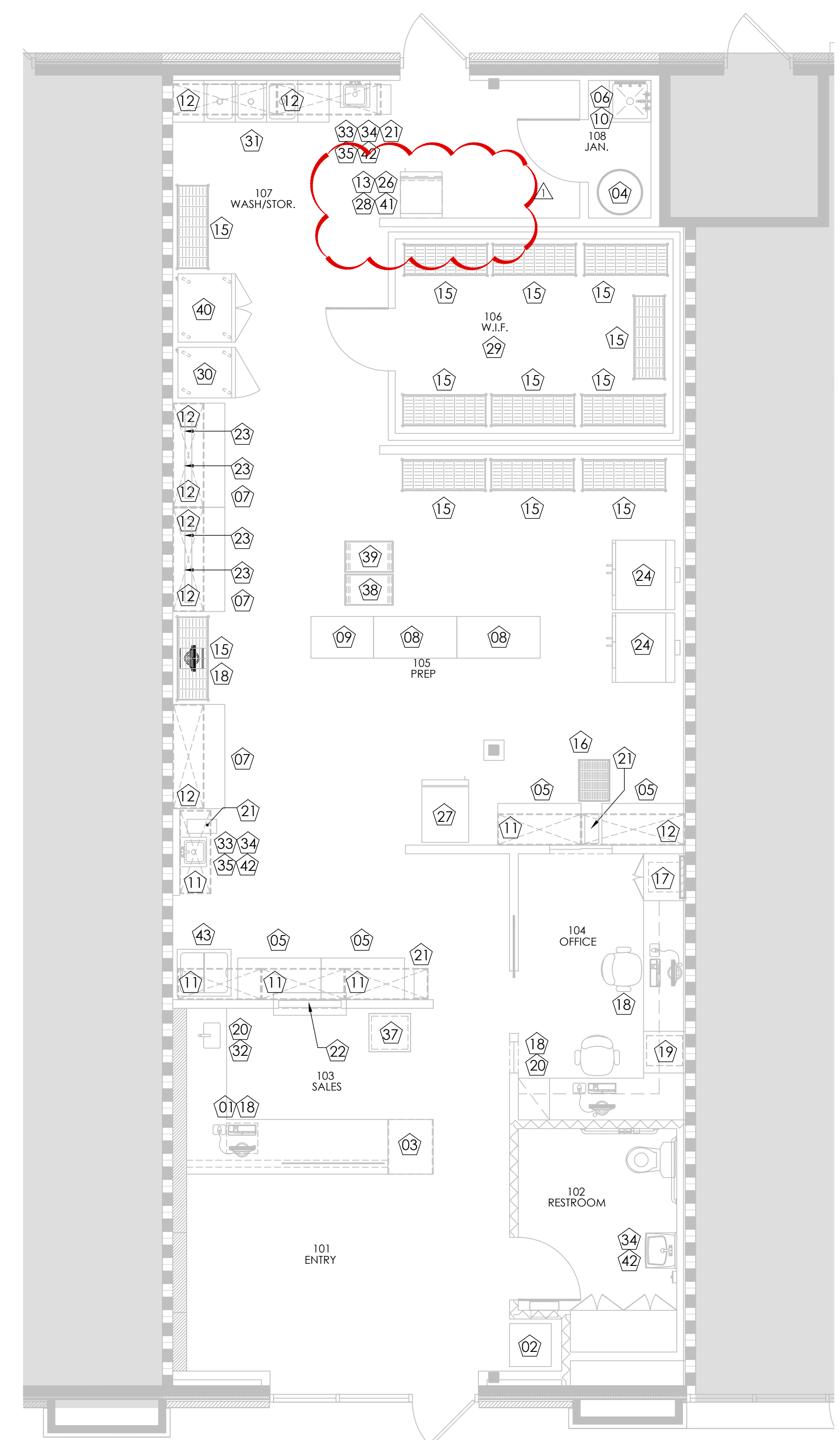
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LEGEND

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(21) EQUIPMENT NUMBER



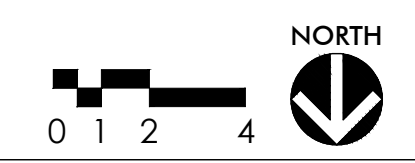
EQUIPMENT SCHEDULE

ALL EQUIPMENT TO BE PROVIDED BY TENANT'S EQUIPMENT VENDOR
CONTRACTOR TO HOOK UP AND INSTALL, U.N.O.

| MARK | QTY | EQUIPMENT | MANUFACTURER/DIMENSIONS |
|------|-----|--|---|
| 01 | 1 | CASH DRAWER | OWNER TO PROVIDE |
| 02 | 1 | DRINK GLASS DOOR REFRIGERATOR | OWNER TO PROVIDE |
| 03 | 1 | COOKIE DISPLAY | OWNER TO PROVIDE |
| 04 | 1 | WATER HEATER | REFERENCE PLUMBING SCHEDULE, CONTRACTOR PROVIDED |
| 05 | 4 | 48" STAINLESS STEEL TABLE W/BACKSPLASH & SHELF | ADVANCE TABCO, FLAG-244-X, 24"W x 48"L |
| 06 | 1 | MOP SINK | BOBRICK, STAINLESS STEEL MOP AND BROOM HOLDER, B-223 X 24, CONTRACTOR TO PROVIDE |
| 07 | 3 | 60" STAINLESS STEEL TABLE W/BACKSPLASH & SHELF | ADVANCE TABCO, FLAG-305-X, 30"W x 60"L |
| 08 | 2 | STAINLESS STEEL TABLE W/ SHELF, POLY-VANCE CUTTING TOP | ADVANCE TABCO, SPT-244, 24"W x 48"L |
| 09 | 1 | 36" STAINLESS STEEL TABLE FLAT TOP | ADVANCE TABCO, ELAG-244-X, 24"W x 36"L |
| 10 | 1 | MOP RACK/SHELF | CONTRACTOR TO PROVIDE |
| 11 | 5 | 48" HEAVY DUTY WALL MOUNTED WIRE SHELF | THUNDER GROUP, CMSV1848, 18"W x 48"L, CONTRACTOR TO INSTALL |
| 12 | 8 | 60" HEAVY DUTY WALL MOUNTED WIRE SHELF | THUNDER GROUP, CMSV1860, 18"W x 60"L, CONTRACTOR TO INSTALL |
| 13 | 1 | HEAVY DUTY WALL MOUNTED WIRE SHELF FOR MICROWAVE | ADVANCE TABCO, MS-24-24-X, 24"W x 24"L |
| 14 | 0 | 16" 5 TIER SHELF | THUNDER GROUP, CMEP1836, 18"W x 36"L, POST:CMEC086 |
| 15 | 12 | 48" 5 TIER SHELF | THUNDER GROUP, CMEP1848, 18"W x 48"L, POST:CMEC086 |
| 16 | 1 | WIRE SHELF UNIT | THUNDER GROUP, CMSV1830, 18"W x 30"L, 7 SHELF UNIT |
| 17 | 1 | SAFE | OWNER TO PROVIDE, CONTRACTOR TO BOLT SAFE DIRECTLY TO SLAB |
| 18 | 4 | COMPUTER | OWNER TO PROVIDE |
| 19 | 1 | PRINTER | OWNER TO PROVIDE |
| 20 | 2 | SMALL TRASH CAN | CARLISLE, 34292803 |
| 21 | 4 | TRASH RECEPTACLE | CARLISLE, 3420203, 23 GAL |
| 22 | 1 | 36" OVERHEAD FOOD WARMER | HATCO, GRA-36, 36" |
| 23 | 4 | 48" OVERHEAD FOOD WARMER | HATCO, GRA-48, 48" |
| 24 | 2 | DOUBLE DECK ELECTRIC CONVECTION OVEN | VULCAN HART, VC44E SERIES, 208-VOLT, 3 PHASE |
| 25 | 0 | EXHAUST HOOD TYPE II W/ CONDITIONED MAKE-UP AIR | EQUIPMENT VENDOR TO PROVIDE, GC TO INSTALL |
| 26 | 1 | MICROWAVE OVEN | WINCO, DIAL CONTROL MICROWAVE, #EMW-1000SD |
| 27 | 1 | SINGLE DOOR REACH-IN FREEZER | EVEREST REFRIGERATION, EBWF1, 22 CU. FT., 5 EXTRA SHELVES, RIGHT HINGED |
| 28 | 1 | UNDERCOUNTER REFRIGERATOR | SUMMIT, FF7, 5.5 CUBIC FEET |
| 29 | 1 | WALK-IN FREEZER | KOLPAK, WALKIN FREEZER, #: TBD, 10'-0"W x 14'-0"L x 8'-7"H, CONTRACTOR TO INSTALL |
| 30 | 1 | REACH-IN DUAL TEMP CABINET | EVEREST REFRIGERATION, EBWRFH2, REFRIGERATOR/FREEZER COMBO |
| 31 | 1 | 3 COMPARTMENT SINK W/ ROUNDED INTERNAL EDGES | ADVANCE TABCO, FE-3-1812-18RLX, BOWL SIZE: 18" x 18" x 12"D |
| 32 | 1 | DROP-IN HAND SINK | PROVIDED BY MILLWORK VENDOR |
| 33 | 2 | WALL MOUNTED HAND SINK W/ SPLASH GUARD | BKHSW141OSS, OVERALL: 17" x 15", W/ GOOSENECK SPOUT |
| 34 | 3 | WALL MOUNTED SOAP DISPENSER | OWNER TO PROVIDE, CONTRACTOR TO INSTALL |
| 35 | 2 | WALL MOUNTED PAPER TOWEL DISPENSER | OWNER TO PROVIDE |
| 36 | 0 | NOT USED | |
| 37 | 1 | CONVECTION OVEN | CADCO, COUNTERTOP CONVECTION OVENS, #OV-003 |
| 38 | 1 | MOBILE BUN PAN RACK | ADVANCE TABCO, PR10-6WS |
| 39 | 1 | SIDE LOADING BUN PAN RACK | WINCO, ALRK-20 |
| 40 | 1 | BOTTOM MOUNT REACH IN REFRIGERATOR | EVEREST REFRIGERATION, MODEL NO. EBNR2 |
| 41 | 1 | DUNNAGE RACK, TUBULAR | ADVANCE TABCO, RACKADV-X |
| 42 | 3 | HAND SANITIZER DISPENSER | OWNER TO PROVIDE |
| 43 | 1 | FREEZER | NOR-LAKE FTB31-6, LID TYPE: FLAT |

PREPARED BY: QK CHECKED BY: AC

01 Equipment Plan
Scale: 1/4" = 1'-0"



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Suite No: 230
Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title
Equipment Plan

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| For Review | 06/10/2021 |
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Chisolm Trail Ranch
5309 McPherson Blvd.
Suite No: 230
Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title
Electrical Plan

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NOTES

PLAN NOTES

- ALL ABANDONED DEVICES SHALL BE PATCHED WITH DRYWALL.
- INSTALL ELECTRICAL DEVICES HORIZONTALLY ABOVE THE COUNTERS, U.N.O.
- WHERE ELECTRICAL OUTLETS ARE INSTALLED WITHIN A COLORED SPLASH, COORDINATE COLOR WITH ARCHITECT.
- AT ALL TELEVISION LOCATIONS, PROVIDE RECESSED WALL MOUNTED POWER/TV/AV OUTLETS. COORDINATE EXACT A/V REQUIREMENTS, LOCATIONS AND MOUNTING HEIGHTS WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE WITH CABLING VENDOR TO ENSURE UNIFORMITY OF COLOR AND STYLE OF DEVICES/COVERPLATES.
- REFERENCE DEMOLITION PLAN FOR ALL ELECTRICAL DEVICES AND OUTLETS TO BE REMOVED.
- REFERENCE REFLECTED CEILING PLAN FOR ALL CEILING ELECTRICAL DEVICES.
- PROVIDE CONDUIT FROM PHONE DEMARK TO SERVER CABINET.
- ELECTRICAL DEVICES/SWITCHES/COVER PLATES COLOR SHALL BE WHITE. ELECTRICAL OUTLETS SHALL BE STANDARD STYLE. ELECTRICAL SWITCHES SHALL BE DECORA STYLE.
- REFERENCE MEP DRAWING IN CONJUNCTION WITH ARCHITECTURAL PLANS AND COORDINATE WORK TO INCLUDE REQUIREMENTS OF BOTH DISCIPLINES. NOTIFY ARCHITECT OF ANY CONFLICTS OR CONTRADICTIONS PRIOR TO INSTALLATION. ANY WORK DONE PRIOR TO CLARIFICATION THAT RESULTS IN THE NEED FOR MODIFICATION WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT.

KEY NOTES

- PROVIDE NEW ELECTRICAL PANELS; MAINTAIN REQUIRED CLEARANCES. COORDINATE EXACT PANEL PLACEMENT WITH MEP DRAWINGS. REFERENCE MEP DRAWINGS FOR PANEL SPECIFICATIONS.
- PROVIDE ELECTRICAL WITHIN WALL CAVITY AT EDGE OF 6"X6" CUT IN WALL. COORDINATE WITH SIGNAGE VENDOR FOR EXACT LOCATION. REFERENCE ELEVATION.
- PROVIDE ELECTRICAL OUTLET AT WALL ABOVE DOOR/GLAZING FOR OPEN SIGN. VERIFY WITH OWNER'S REPRESENTATIVE ON EXACT LOCATION.
- AT SALES AREA, PROVIDE ELECTRICAL OUTLET COVERS TO BE FLUSH WITH FACE OF WALL.
- WHERE HEAT LAMP EQUIPMENT IS TO BE INSTALLED; PROVIDE ELECTRICAL TO LEFT OF EQUIPMENT WHEN FACING. REFERENCE ELEVATIONS FOR EXACT DIMENSIONS.
- AT MILLWORK, RECESS ELECTRICAL OUTLETS FOR EQUIPMENT TO SIT WITHIN ALLOTTED SPACE PROVIDED.
- PROVIDE AND INSTALL (1) 14 AMP, 120V/60HZ/1 PHASE NEMA 5-15P OUTLET.
- PROVIDE (1) 208-230/60/1 DUPLEX WITH ACCOMPANYING CHANGE IN AMP DRAW FOR WALK IN FREEZER.
- PROVIDE AND INSTALL (1) J-BOX. CONFIRM EXACT SPECIFICATION WITH MEP DRAWINGS.
- PROVIDE AND INSTALL (1) DUPLEX OUTLET FOR OWNER'S COOKIE DISPLAY CASE. CONFIRM EXACT SPECIFICATIONS WITH MEP DRAWINGS.

LEGEND

(ALL SYMBOLS MAY NOT APPLY)
EXISTING DEVICES ARE SCREENED (GRAYED OUT), ALL OTHERS ARE NEW

WALL DEVICES

- ⊕ DUPLEX OUTLET
- ⊕ QUADRUPLEX OUTLET
- ⊕ 220 VOLT OUTLET
- ⊕-U DUPLEX / USB OUTLET
- ⊕ SPECIALTY OUTLET
- ⊕ J-BOX WITH POWER
- ⊕ VOICE/DATA PULL STRING & RING
- ⊕ BLANK PLATE DEVICE
- ⊕-TV TV/MONITOR, PULL STRING & RING
- ⊕-AV AUDIO / VISUAL OUTLET, PULL STRING AND RING
- ⊕-FF WALL MOUNTED FURNITURE FEED 4" X 4" BOX, S.S. COVERPLATE
- ⊕-V WALL MOUNTED VOICE/DATA, 4" X 4" BOX, PULL STRING & RING, S.S. COVERPLATE
- ⊕ POWER POLE - PROVIDE POWER ABOVE CEILING, POLE PROVIDED BY TENANT

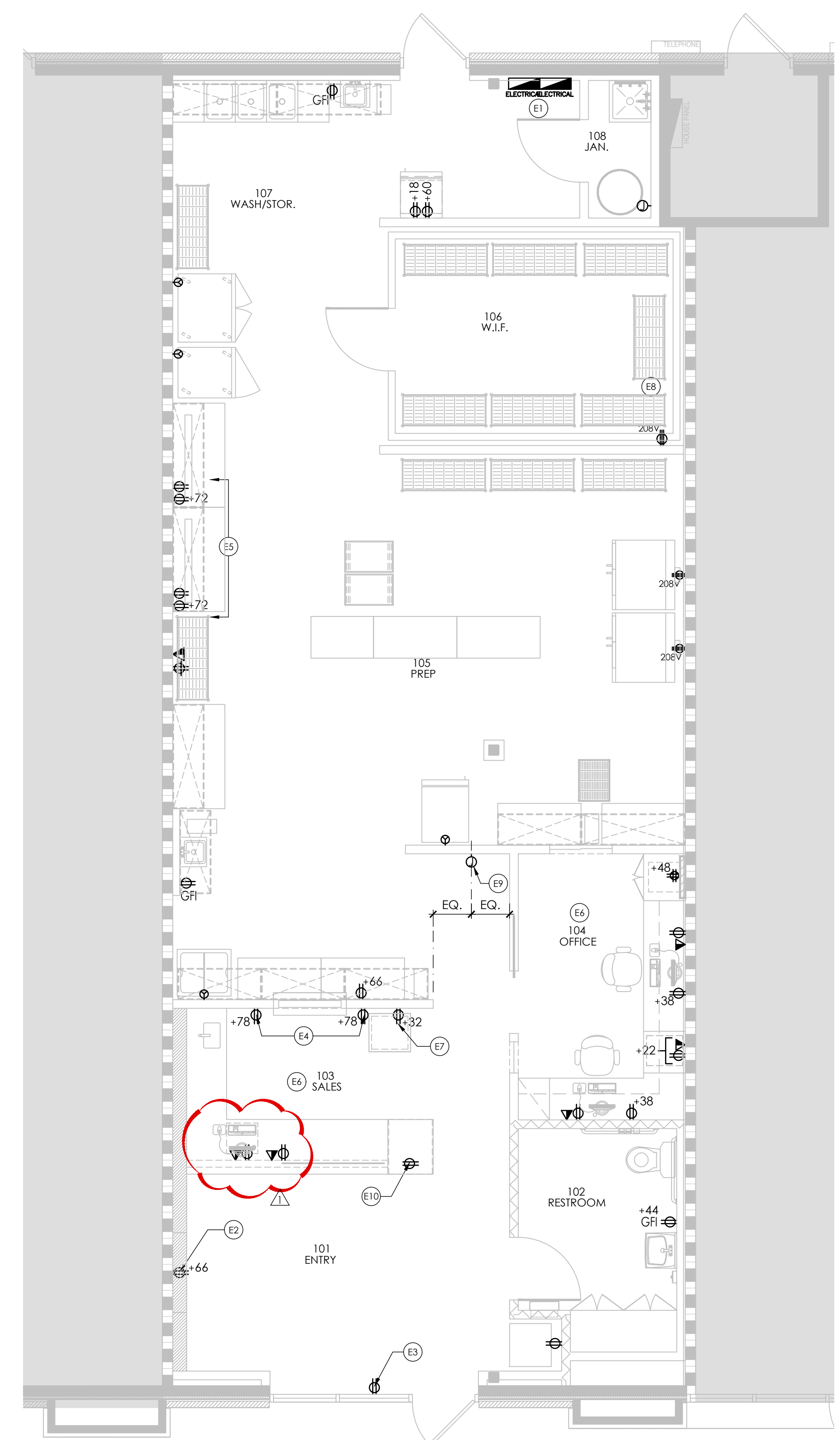
SECURITY DEVICES

(CONTRACTOR TO PROVIDE PULL STRING AND RING FOR ALL SECURITY DEVICES, U.N.O.)

- ⊕-CR CARD READER
- ⊕-KP KEY PAD
- ⊕-INT INTERCOM
- ⊕-RX REQUEST TO EXIT (EGRESS BUTTON)
- ⊕-ML MAGNETIC LOCK
- ⊕-ES ELECTRIC STRIKE
- ⊕-EL ELECTRIC LOCK SET
- ⊕-PB AUTOMATIC DOOR OPENER
- ⊕-PIR PASSIVE INFRARED DEVICE

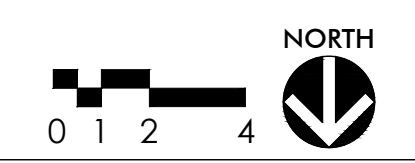
OTHER

- +48 WALL DEVICE AT HEIGHT INDICATED A.F.F.
- MAX CONDUIT TO FIT DEVICE AS SPECIFIED



PREPARED BY: QK CHECKED BY: AC

01 Electrical Plan
Scale: 1/4" = 1'-0"





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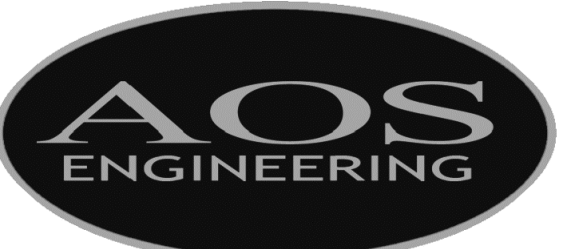
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BRIAN GAST PE# 90137
DATE: 06-10-21

CONTRACTOR SHALL COORDINATE
MEP DRAWINGS WITH ALL OTHER
DISCIPLINES



Texas Registered Engineering Firm F-9218
5020 Tennyson Parkway - Plano, TX 75024
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AOS JOB # 633-081-21

For Review 06/10/2021
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Chisolm Trail
Ranch

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Suite No:
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Project ID: 17-1045-L079

Sheet Title

Cover Sheet
Symbols

Sheet Number

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MEP0.1

ABBREVIATIONS AND SYMBOLS

ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.

| MECHANICAL | | PLUMBING | | ELECTRICAL | | | |
|--|---|---|---|---|---|--|--|
| PIPING DESIGNATIONS | EQUIPMENT DESIGNATIONS | PIPING SYMBOLS | PIPING DESIGNATIONS | POWER SYMBOLS | ABBREVIATIONS | | |
| <p>— CHS — CHILLED WATER SUPPLY</p> <p>— CHR — CHILLED WATER RETURN</p> <p>— CWS — CONDENSER WATER SUPPLY</p> <p>— CWR — CONDENSER WATER RETURN</p> <p>— HWS — HEATING WATER SUPPLY</p> <p>— HWR — HEATING WATER RETURN</p> <p>— HPWS — HEAT PUMP WATER SUPPLY</p> <p>— HPWR — HEAT PUMP WATER RETURN</p> <p>— E — EXPANSION LINE</p> <p>— CD — CONDENSATE DRAIN</p> | <p>AC AIR COMPRESSOR</p> <p>AF AIR FILTER</p> <p>AH/AHU AIR HANDLING UNIT</p> <p>AS AIR SEPARATOR</p> <p>BF BOOSTER FAN</p> <p>CP CIRCULATING PUMP</p> <p>CRAC COMPUTER ROOM AIR CONDITIONER</p> <p>CT COOLING TOWER</p> <p>CU CONDENSING UNIT, AIR COOLED</p> <p>CVT CONSTANT VOLUME FAN TERMINAL COOL/HEAT</p> <p>EDH ELECTRIC DUCT HEATER</p> <p>EF EXHAUST FAN</p> <p>EUH ELECTRIC UNIT HEATER</p> <p>FCU FAN COIL UNIT</p> <p>FD FIRE DAMPER</p> <p>FPB FAN POWERED BOX</p> <p>FSD FIRE/SMOKE COMBINATION DAMPER</p> <p>GRV GRAVITY ROOF VENTILATOR</p> <p>GUH GAS-FIRED UNIT HEATER</p> <p>HC HEATING COIL</p> <p>HP HEAT PUMP, AIR SOURCE</p> <p>HUM HUMIDIFIER</p> <p>HX HEAT EXCHANGER</p> <p>IRH INFRARED HEATER</p> <p>KEF KITCHEN EXHAUST FAN</p> <p>KSF KITCHEN SUPPLY FAN</p> <p>MAU MAKE-UP AIR UNIT</p> <p>MD MOTORIZED DAMPER</p> <p>RTU ROOF TOP UNIT</p> <p>SA SOUND ATTENUATOR</p> <p>SD SMOKE DAMPER</p> <p>SF SUPPLY FAN</p> <p>VAV VARIABLE VOLUME TERMINAL - COOL ONLY</p> <p>VFD VARIABLE FREQUENCY DRIVE</p> <p>VRF VARIABLE REFRIGERANT FLOW</p> <p>VSD VARIABLE SPEED DRIVE</p> <p>WT VARIABLE VOLUME & TEMPERATURE</p> <p>WH WALL HEATER</p> <p>WSHP HEAT PUMP, WATER SOURCE</p> | <p>— PIPING UP</p> <p>— PIPING DOWN</p> <p>— CAPPED PIPE TERMINATION</p> <p>— CONNECTION BOTTOM OF MAIN</p> <p>— CONNECTION TOP OF MAIN</p> <p>— DIRECTION OF FLOW</p> <p>— SLOPE DOWN IN DIRECTION SHOWN</p> <p>— CONCENTRIC REDUCER</p> <p>— ECCENTRIC REDUCER</p> <p>— ANGLE VALVE</p> <p>— AIR VENT</p> <p>— BALL VALVE</p> <p>— BUTTERFLY VALVE</p> <p>— CHECK VALVE</p> <p>— DOUBLE CLEANOUT</p> <p>— EXPANSION JOINT</p> <p>— GAS COCK</p> <p>— GATE VALVE</p> <p>— GAUGE COCK</p> <p>— GLOBE VALVE</p> <p>— HOSE BIBB OR HYDRANT</p> <p>— HYDRAULIC SHOCK ARRESTOR</p> <p>— PRESSURE GAUGE</p> <p>— PRESSURE REGULATING VALVE</p> <p>— SOLENOID VALVE</p> <p>— STRAINER</p> <p>— THERMOMETER</p> <p>— THERMOMETER WELL</p> <p>— TEMPERATURE & PRESSURE RELIEF VALVE</p> <p>— UNION</p> <p>— P-TRAP</p> <p>— FLOOR DRAIN/FLOOR SINK WITH P-TRAP</p> <p>— HUB DRAIN WITH P-TRAP</p> <p>— FLOOR CLEANOUT OR GRADE CLEANOUT</p> <p>— CLEANOUT OR WALL CLEANOUT</p> <p>— DOUBLE CHECK BACKFLOW PREVENTER</p> <p>— REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER</p> <p>— CONNECT TO EXISTING</p> | <p>— EXISTING TO REMAIN</p> <p>— EXISTING TO BE REMOVED/DEMOLISHED</p> <p>— DOMESTIC COLD WATER</p> <p>— DOMESTIC HOT WATER</p> <p>— DOMESTIC HOT WATER RETURN</p> <p>— F FIRE PROTECTION</p> <p>— G NATURAL GAS</p> <p>— W WATER SERVICE</p> <p>— A COMPRESSED AIR</p> <p>— V VACUUM</p> <p>— D INDIRECT WASTE</p> <p>— SS SANITARY SEWER</p> <p>— SANITARY VENT</p> <p>— RD PRIMARY ROOF DRAIN</p> <p>— OD OVERFLOW ROOF DRAIN</p> <p>— SD STORM DRAIN</p> <p>— SSD BELOW GRADE SUB-SOIL DRAIN</p> <p>— AW ACID WASTE</p> <p>— AV ACID VENT</p> <p>— GW GREASE WASTE</p> <p>— TP TRAP PRIMER SUPPLY</p> | <p>☐ GENERAL PURPOSE RECEPTACLE XX=HEIGHT ABOVE FINISHED FLOOR</p> <p>☐ FLOOR GENERAL PURPOSE RECEPTACLE</p> <p>☐ CEILING GENERAL PURPOSE RECEPTACLE</p> <p>☐ GFCI RECEPTACLE</p> <p>☐ 1/2 SWITCHED RECEPTACLE</p> <p>☐ QUADRAPLEX RECEPTACLE</p> <p>☐ FLOOR QUADRAPLEX RECEPTACLE</p> <p>☐ CEILING QUADRAPLEX RECEPTACLE</p> <p>☐ USB/DUPLEX RECEPTACLE</p> <p>☐ SPECIAL RECEPTACLE</p> <p>☐ TELEVISION OUTLET</p> <p>☐ TELEPHONE OUTLET</p> <p>☐ FLOOR TELEPHONE OUTLET</p> <p>☐ CEILING TELEPHONE OUTLET</p> <p>☐ DATA OUTLET</p> <p>☐ FLOOR DATA OUTLET</p> <p>☐ CEILING DATA OUTLET</p> <p>☐ TELE/DATA OUTLET</p> <p>☐ FLOOR TELE/DATA OUTLET</p> <p>☐ CEILING TELE/DATA OUTLET</p> <p>☐ JUNCTION BOX - SIZE IN ACCORDANCE WITH NEC FOR SPECIFIC APPLICATION</p> <p>☐ FLOOR JUNCTION BOX</p> <p>☐ CEILING JUNCTION BOX</p> <p>☐ COMBINATION MOTOR STARTER & FUSED DISCONNECT</p> <p>☐ NON-FUSED DISCONNECT SWITCH "WP" INDICATES WEATHER PROOF, MOTOR RATED</p> <p>☐ FUSED DISCONNECT SWITCH (EX. 30/15/3 = 30A RATED DISC., 15A FUSES, (EY. 3 PHASE) "WP" INDICATES WEATHER PROOF, MOTOR RATED</p> <p>☐ CIRCUIT BREAKER IN NEMA ENCLOSURE</p> <p>☐ MOTOR</p> <p>☐ CIRCUIT HOME RUN</p> <p>☐ CROSS MARKS INDICATE WIRES (NEUTRAL, HOT, COMMON GROUND, ISOLATED GROUND)</p> <p>☐ PANELBOARD (240 VOLT AND BELOW)</p> <p>☐ PANELBOARD (480 VOLT)</p> <p>☐ TRANSFORMER</p> <p>☐ EMERGENCY POWER OFF (EPO) BUTTON</p> <p>☐ COPPER GROUND BAR ASSEMBLY</p> <p>☐ KWH METER</p> | <p>AC ALTERNATING CURRENT</p> <p>A AMPS</p> <p>AFF ABOVE FINISHED FLOOR</p> <p>ATS AUTOMATIC TRANSFER SWITCH</p> <p>C CONDUIT</p> <p>CCTV CLOSED CIRCUIT T.V.</p> <p>CLG CEILING</p> <p>DP DISTRIBUTION PANEL</p> <p>EG EQUIPMENT GROUND</p> <p>ELEC ELECTRIC</p> <p>EMERG EMERGENCY</p> <p>FA FIRE ALARM</p> <p>FAAP FIRE ALARM ANUNCIATOR PANEL</p> <p>FACP FIRE ALARM CONTROL PANEL</p> <p>FLR FLOOR</p> <p>G,GRD GROUND</p> <p>GEN GENERATOR</p> <p>GFCI GROUND FAULT CIRCUIT INTERRUPTER</p> <p>HP HORSE POWER</p> <p>HV HIGH VOLTAGE</p> <p>IG ISOLATED GROUND</p> <p>JB JUNCTION BOX</p> <p>LTS LIGHTS</p> <p>LTG LIGHTING</p> <p>LV LOW VOLTAGE</p> <p>MCB MAIN CIRCUIT BREAKER</p> <p>MDP MAIN DISTRIBUTION PANEL</p> <p>MLO MAIN LUGS ONLY</p> <p>MTD MOUNTED</p> <p>HTG HT MOUNTING HEIGHT</p> <p>P POLE</p> <p>PH PHASE</p> <p>PB PULL BOX</p> <p>PNL PANEL</p> <p>REC,RECEP RECEPTACLE</p> <p>SS SAFETY SWITCH</p> <p>TEL TELEPHONE</p> <p>TV TELEVISION</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>V VOLTAGE</p> <p>WP WEATHER PROOF</p> <p>WT WATER TIGHT</p> <p>XFMR TRANSFORMER</p> <p>☉ PHASE</p> | | |
| <p>MECHANICAL SYMBOLS</p> <p>☐ NEW FAN POWERED BOX</p> <p>☐ EXISTING FAN POWERED BOX</p> <p>☐ DEMOLISHED FAN POWERED BOX</p> <p>☐ RELOCATED FAN POWERED BOX</p> <p>☐ NEW VAV</p> <p>☐ EXISTING VAV</p> <p>☐ DEMOLISHED VAV</p> <p>☐ RELOCATED VAV</p> <p>☐ NEW DUCTWORK</p> <p>☐ EXISTING DUCTWORK</p> <p>☐ DEMOLISHED DUCTWORK</p> <p>☐ SUPPLY OR OUTSIDE AIR DUCT</p> <p>☐ RETURN OR EXHAUST AIR DUCT</p> <p>☐ DUCT TURNING UP</p> <p>☐ DUCT TURNING DOWN</p> <p>☐ CLEAR INSIDE DUCT DIMENSION, FIRST VALUE IS DUCT WIDTH</p> <p>☐ DUCT TRANSITION</p> <p>☐ DUCT TAP WITH MANUAL VOLUME DAMPER</p> <p>☐ NEW SUPPLY AIR GRILLE</p> <p>☐ NEW RETURN AIR GRILLE</p> <p>☐ NEW EXHAUST AIR GRILLE</p> <p>☐ EXISTING SUPPLY AIR GRILLE</p> <p>☐ EXISTING RETURN AIR GRILLE</p> <p>☐ EXISTING EXHAUST AIR GRILLE</p> <p>☐ DEMOLISHED SUPPLY AIR GRILLE</p> <p>☐ DEMOLISHED RETURN AIR GRILLE</p> <p>☐ DEMOLISHED EXHAUST AIR GRILLE</p> <p>☐ SIDEWALL OUTLET</p> <p>☐ SIDEWALL INLET</p> <p>☐ THERMOSTAT/SENSOR</p> <p>☐ HUMIDISTAT</p> <p>☐ DUCT SMOKE DETECTOR</p> | | <p>EQUIPMENT DESIGNATIONS</p> <p>AC AIR COMPRESSOR</p> <p>CP CIRCULATION PUMP</p> <p>BT BATHTUB</p> <p>ET EXPANSION TANK</p> <p>EWC ELECTRIC WATER COOLER</p> <p>FD FLOOR DRAIN</p> <p>FP FIRE PUMP</p> <p>FS FLOOR SINK</p> <p>HB HOSE BIBB</p> <p>HD HUB DRAIN</p> <p>JP JOCKEY PUMP</p> <p>L LAVATORY</p> <p>MS MOP SINK</p> <p>NFWH NON FREEZE WALL HYDRANT</p> <p>PRV PRESSURE REDUCING VALVE</p> <p>REF REFRIGERATOR</p> <p>RPBP REDUCED PRESSURE BACKFLOW PREVENTER</p> <p>RV RELIEF VALVE</p> <p>S SINK</p> <p>SA SHOCK ARRESTOR</p> <p>SE SEWAGE EJECTOR</p> <p>SH SHOWER</p> <p>SP SUMP PUMP</p> <p>TD TRENCH DRAIN</p> <p>TM THERMOSTATIC MIXING VALVE</p> <p>TP TRAP PRIMER</p> <p>U URINAL</p> <p>WC WATER CLOSET</p> <p>WCB WASHER CONNECTION BOX</p> <p>WH WATER HEATER</p> | | <p>MECHANICAL SYMBOLS</p> <p>☐ MANUAL VOLUME DAMPER (VD)</p> <p>☐ FIRE DAMPER (FD)</p> <p>☐ SMOKE DAMPER (SD)</p> <p>☐ FIRE/SMOKE COMBINATION DAMPER (FSD)</p> <p>☐ AUTOMATIC DAMPER, OPPOSED BLADE</p> <p>☐ AUTOMATIC DAMPER, PARALLEL BLADE</p> <p>☐ BACK DRAFT DAMPER</p> | | <p>FIRE PROTECTION SYMBOLS</p> <p>☐ FIRE DEPARTMENT VALVE WITH CABINET</p> <p>☐ FLOW SWITCH</p> <p>☐ ALARM VALVE</p> <p>☐ DRY PIPE VALVE</p> <p>☐ SIAMESE CONNECTION</p> <p>☐ EXPOSED TYPE SIAMESE CONNECTION</p> <p>☐ INSPECTORS TEST CONNECTION</p> <p>☐ MOTOR GONG</p> <p>☐ O.S.&Y. VALVE</p> <p>☐ TAMPER SWITCH</p> <p>☐ FLOOR CONTROL VALVE</p> <p>☐ FIRE HOSE VALVE</p> | |
| <p>MECHANICAL/PLUMBING ABBREVIATIONS</p> | | | | | | | |
| <p>AFF ABOVE FINISH FLOOR</p> <p>AFG ABOVE FINISHED GRADE</p> <p>A/C ABOVE CEILING</p> <p>BAS BUILDING AUTOMATION SYSTEM - SEE EMCS</p> <p>B/F BELOW FLOOR</p> <p>BFF BELOW FINISHED FLOOR</p> <p>B/G BELOW GRADE</p> <p>BRF BELOW RAISED FLOOR</p> | <p>CLG CEILING</p> <p>CO CLEANOUT</p> <p>DCO DOUBLE CLEANOUT</p> <p>DS DOWNSPOUT</p> <p>EMCS ENERGY MANAGEMENT & CONTROL SYSTEM</p> <p>FCO FLOOR CLEANOUT</p> <p>FLR FLOOR</p> <p>GCO GRADE CLEANOUT</p> | <p>GW GREASE WASTE</p> <p>HW HOT WATER</p> <p>HWR HOT WATER RETURN</p> <p>MTD MOUNTED</p> <p>OD OVERFLOW DRAIN</p> <p>ODN OVERFLOW DOWNSPOUT NOZZLE</p> <p>PRV PRESSURE REDUCING VALVE</p> <p>RD ROOF DRAIN</p> | <p>RV RELIEF VALVE</p> <p>SD STORM DRAIN</p> <p>SS SANITARY SEWER</p> <p>SV SANITARY VENT</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>VTR VENT THRU ROOF</p> <p>WCO WALL CLEANOUT</p> | <p>☐ SINGLE POLE SWITCH</p> <p>☐₃ THREE WAY SWITCH</p> <p>☐₄ FOUR WAY SWITCH</p> <p>☐ DIMMER SWITCH</p> <p>☐_{WP} WEATHERPROOF SWITCH</p> <p>☐_M MANUAL MOTOR CONTROLLER, MOTOR RATED</p> <p>☐_{OS} OCCUPANCY SENSOR SWITCH</p> <p>☐ WALL MOUNTED OCCUPANCY SENSOR</p> <p>☐ CEILING MOUNTED OCCUPANCY SENSOR</p> <p>☐ PHOTOCCELL</p> | <p>☐ UNSWITCHED EMERGENCY FIXTURE WITH BATTERY BACKUP</p> <p>☐ EXIT SIGN WITH BATTERY BACKUP</p> <p>☐ FLUSH MOUNTED CEILING SPEAKER ASSEMBLY WITH BACK BOX, TRANSFORMER, AND CEILING BAFFLE (WHITE)</p> <p>☐ FIRE ALARM STROBE - VISUAL ONLY COORDINATE FINISH WITH ARCHITECT</p> <p>☐ FIRE ALARM STROBE - COMBINATION AUDIO & VISUAL COORDINATE FINISH WITH ARCHITECT</p> <p>☐ FIRE ALARM HORN - AUDIO ONLY COORDINATE FINISH WITH ARCHITECT</p> <p>☐ FIRE ALARM MANUAL PULL STATION COORDINATE FINISH WITH ARCHITECT</p> <p>☐ FIRE ALARM SMOKE DETECTOR - 120V W/ BATTERY BACK UP. COORDINATE FINISH WITH ARCHITECT X=DD (DUCT DETECTOR), X=SS (SINGLE STATION) X=ER (ELEVATOR RECALL)</p> <p>☐ FIRE ALARM HEAT DETECTOR - 120V W/ BATTERY BACK UP COORDINATE FINISH WITH ARCHITECT</p> <p>☐ HATCHED FIXTURE INDICATES UNSWITCHED FIXTURE ON EMERGENCY CIRCUIT OR BATTERY PACK BATTERY PACKS SHALL BE SELF-TESTING TYPE AND SHALL BE RATED FOR 90 MINUTES</p> | | |

GENERAL NOTES

ALL NOTES MAY NOT APPLY.

MECHANICAL NOTES:

1. IT IS THE INTENT AND MEANING OF THE CONSTRUCTION DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE A MECHANICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN.
2. THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE REQUIREMENTS OF THE CONTRACT. UPON COMMENCEMENT OF CONSTRUCTION FOR THE WORK INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY OR EXAMINATION AND THAT HE IS FAMILIAR WITH AND ACCEPTS ALL CONDITIONS OF THE PREMISES.
3. PROVIDE EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATING HVAC OR PLUMBING SYSTEM AS SHOWN OR INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT WITH WHICH WORK COMES IN CONTACT OR OVER WHICH HE MAY TRANSPORT, HOIST OR MOVE MATERIALS, EQUIPMENT, DEBRIS, ETC. AND SHALL REPAIR SATISFACTORILY ALL DAMAGES CAUSED BY HIM DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE WITH NEW MATERIALS AND/OR EQUIPMENT FAILING TO GIVE SATISFACTORY SERVICE DURING THE WARRANTY PERIOD. THE CONTRACTOR SHALL COORDINATE AND NOTIFY THE BUILDING OWNER AND OPERATOR FOR APPROVAL AND SCHEDULING OF ANY BUILDING OR EXISTING TENANT SYSTEM INTERRUPTION.
4. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH CONTRACT DOCUMENTS, APPLICABLE CODES AND STANDARDS, AND, IN THE CASE OF DIFFERENCES BETWEEN APPLICABLE CODES AND STANDARDS AND THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT/ENGINEER AND THE OWNER IN WRITING OF SUCH DIFFERENCES. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH REQUIREMENTS OF APPLICABLE CODES AND STANDARDS, HE SHALL BEAR ALL COSTS ARISING IN CORRECTING SUCH DEFECTS. APPLICABLE CODES AND STANDARDS SHALL INCLUDE ALL ORDINANCES, UTILITY COMPANY REGULATIONS AND APPLICABLE REQUIREMENTS OF NATIONALLY ACCEPTED CODES AND STANDARDS.
5. THE DRAWINGS WERE PREPARED FROM THE BEST INFORMATION AVAILABLE, BUT DO NOT ATTEMPT TO INDICATE THE LOCATION OF ALL EXISTING EQUIPMENT. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE CONDITIONS SURROUNDING THE INSTALLATION OF HIS WORK PRIOR TO PROCEEDING WITH THE INSTALLATION. CHANGES REQUIRED TO THE DESIGN SHOWN ON THESE DRAWINGS DUE TO EXISTING CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER/OWNER FOR REVIEW BY WAY OF SHOP DRAWINGS OR SKETCHES DETAILING THE EXISTING CONDITIONS AND THE PROPOSED CHANGE.
6. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS FOR SERVICE INTENDED, AS INTERPRETED BY THE ENGINEER. EXPERIENCED CRAFTSMEN SHALL MAKE THE INSTALLATION OF ALL EQUIPMENT IN A NEAT WORKMANSHIP LIKE MANNER. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, TOOLS, COST AND SERVICE NECESSARY TO COMPLETELY INSTALL ALL MECHANICAL WORK. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE AS SCHEDULED OR APPROVED EQUAL.
7. COORDINATE THERMOSTAT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL THERMOSTAT ABOVE DIMMER SWITCH.
8. PROPERLY SUPPORT ALL EQUIPMENT AND PIPING WITHIN THE BUILDING AND PROVIDE ADEQUATE PROVISIONS FOR SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, RODS AND INSERTS APPROVED BY UNDERWRITERS LABORATORIES FOR THE SERVICE INTENDED, SECURELY SUPPORTED BY STRUCTURAL MEMBERS WHICH IN TURN ARE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.
9. PROVIDE VIBRATION ISOLATION FOR MOTOR DRIVEN MECHANICAL EQUIPMENT.
10. ALL FANS SHALL CARRY THE CERTIFIED RATING SEAL AUTHORIZED BY AMCA.
11. PROVIDE FLEXIBLE DUCTWORK CONNECTIONS AT EQUIPMENT.
12. DUCTWORK SHALL BE CONSTRUCTED ACCORDING TO SMACNA STANDARDS. DUCT AND FIRE DAMPER SIZES SHOWN ARE AIRSTREAM DIMENSIONS. ALL LONGITUDINAL AND TRANSVERSE SEAMS AND DUCT CONNECTIONS SHALL BE SECURELY FASTENED AND SEALED WITH TAPES OR MASTICS MEETING UL 181A OR UL181B, WELDS, OR GASKETS.
13. INSULATE NEW SUPPLY AND RETURN DUCTWORK AND PLENUMS WITH EITHER EXTERNAL INSULATION TYPE IV DUCT WRAP OR INTERNAL DUCT LINER, 1.5 PCF MINIMUM DENSITY. (SIZES SHOWN ARE AIRSTREAM DIMENSIONS). DUCTWORK AND PLENUMS WITHIN UNCONDITIONED SPACES SHALL HAVE MINIMUM R-6 INSULATION. EXTERIOR DUCTWORK SHALL HAVE MINIMUM R-8 INSULATION.
14. DIFFUSERS, REGISTERS AND GRILLES SHALL BE BUILDING STANDARD UNLESS NOTED OTHERWISE AND SHALL BE PROVIDED WITH FRAMES COMPATIBLE WITH CEILING TYPE. DO NOT SPAN AIR DEVICES OVER PARTITIONS.
15. PROVIDE AN AIR BALANCING DEVICE FOR EACH SUPPLY AIR OUTLET AND ZONE TERMINAL DEVICE. PROVIDE YOUNG REGULATORS WITH BOWDEN CABLE CONTROL FOR ALL DAMPERS ABOVE INACCESSIBLE CEILING. COORDINATE EXACT LOCATION OF ESCUTCHEONS IN CEILING WITH ARCHITECT PRIOR TO INSTALLATION.
16. CONTRACTOR TO VERIFY RETURN AIR PATH AND INCORPORATE RETURN AIR TRANSFER THROUGH WALLS AS NECESSARY. OPENING SIZED FOR A MAXIMUM OF 500 FPM UNLESS NOTED OTHERWISE.
17. COORDINATE ALL WALLS TO DECK WITH EXISTING DUCTWORK AND EXISTING TERMINAL UNITS.
18. BALANCING OF WATER AND AIR SYSTEMS SHALL BE PROVIDED UNDER THIS CONTRACT FOR ALL SYSTEMS WITHIN TENANT BORDERS AND ADJACENT AREAS THAT MAY BE AFFECTED BY BALANCING FOR THIS TENANT. BALANCING CONTRACTOR TO REVIEW DRAWINGS AND NOTIFY THE CONTRACTOR OF APPURTENANCES NEEDED FOR A PROPERLY BALANCED SYSTEM.
19. PROVIDE NEBB CERTIFIED AIR BALANCE REPORT.
20. COLD AND HOT WATER PIPING SHALL BE TYPE L HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS. PROVIDE SOFT COPPER PIPING UNDER SLAB TO AVOID UNDERGROUND FITTINGS. WHERE ALLOWED BY LOCAL CODES AND AUTHORITY HAVING JURISDICTION, PIPE MAY BE CROSSLINKED POLYETHYLENE (PEX) MANUFACTURED BY PEX-A METHOD AND ASTM F1960 FITTINGS.
21. INSULATE DOMESTIC HOT WATER AND RECIRCULATION LINES (1" THICK) AND DOMESTIC COLD WATER LINES (1/2" THICK) WITH OWENS CORNING FIBERGLASS 25 ASJ, JOHNS-MANVILLE AP OR APPROVED EQUAL. SEALED TO PREVENT SWEATING AND CONTINUOUS THROUGH WALLS, FLOORS, CEILINGS. ALL HOT WATER PIPING SHALL BE INSULATED PER THE ENERGY CODE. COLD WATER PIPING SHALL BE INSULATED IN EXTERIOR WALLS, CEILINGS OR IN SPACES EXPOSED TO OUTDOOR TEMPERATURES WITH 1" THICK FIBERGLASS INSULATION.
22. SOIL, WASTE AND DRAIN PIPING, 2" AND LARGER, SHALL BE SERVICE WEIGHT CAST IRON. WASTE PIPING BELOW THE SLAB SHALL HAVE BELL AND SPIGOT CAST IRON MANUFACTURED TO ASTM A 74 WITH TY-SEAL GASKETS MANUFACTURED TO ASTM C 564. CAST IRON PIPING ABOVE THE SLAB SHALL BE "NO-HUB" PIPE AND FITTINGS MANUFACTURED TO CISPI 301. VENT PIPING MAY BE SCHEDULE 40 GALVANIZED STEEL, DWY COPPER OR SERVICE WEIGHT CAST IRON. ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE AND BE LISTED WITH NSF INTERNATIONAL. IF APPROVED BY LOCAL CODES, SOIL, WASTE, AND DRAIN PIPING, 2" AND LARGER, SHALL BE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PIPING, ASTM AND NSF STAMPED AND APPROVED. FITTINGS SHALL BE PVC SCHEDULE 40 ASTM STAMPED AND APPROVED.
23. HOT WATER CIRCULATING SYSTEMS OR HOT WATER HEAT TRACE SHALL HAVE TIMELOCK CAPABLE CONTROL.
24. PLUMBING FIXTURES AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED COMPLETE WITH TRIM AND ALL OTHER APPURTENANCES REQUIRED TO CONNECT TO ROUGH-IN PIPING AT FLOORS AND WALLS UNLESS OTHERWISE SPECIFIED.
25. WATER HEATING EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS WILL HAVE HEAT TRAPS INSTALLED ON THE SUPPLY AND DISCHARGE PIPING.
26. PVC PIPING LOCATED IN PLENUM RETURN MUST MEET ASTM E84 AND HAVE A FIRE SPREAD OF 25/50. ALL PIPING SHALL MEET ALL LOCAL CODE AND AMENDMENT REQUIREMENTS.
27. EXISTING EQUIPMENT NOTES:
A. CONTRACTOR SHALL INSPECT EXISTING PLUMBING AND HVAC EQUIPMENT PRIOR TO SUBMITTING HIS BID.
B. CONTRACTOR SHALL INCLUDE IN HIS BID A THOROUGH START-UP SERVICING AND CLEANING OF ALL EXISTING EQUIPMENT. PLACE ALL EXISTING SYSTEMS/EQUIPMENT IN PROPER OPERATING ORDER.
C. IF REPAIRS ARE NECESSARY TO PLACE EXISTING EQUIPMENT IN WORKING ORDER, PROVIDE OWNER WITH A DETAILED WRITTEN REPORT OF NECESSARY REPAIRS AND A COST PROPOSAL TO PERFORM THE WORK. ALL SUCH SERVICE REPORTS SHALL BE DELIVERED TO THE OWNER WITHIN TWO DAYS OF NOTICE TO PROCEED. OWNER RESERVES THE RIGHT TO HAVE ANY REQUIRED REPAIRS DONE BY OTHERS AND TO SEEK OTHER OPINIONS OR REQUIRED REPAIRS.
28. PROVIDE INSTALLATION, OPERATION AND MAINTENANCE MANUALS TO THE OWNER.
29. STANDARD NO-HUB COUPLINGS SHALL CONFORM TO CISPI 310 (MOST CURRENT EDITION) AND SHALL BE LISTED BY NSF INTERNATIONAL.
30. HEAVY DUTY COUPLINGS SHALL CONFORM TO THE REQUIREMENTS OF ASTM 1540 AND FM 1680 CLASS I.
31. COMPRESSION GASKETS FOR HUB & SPIGOT SHALL CONFORM TO THE REQUIREMENTS OF ASTM STANDARD C 564 AND ASTM C 1563 (MOST CURRENT EDITION)
32. JOINTS FOR PIPE AND FITTINGS SHALL CONFORM TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODE REQUIREMENTS.
33. ALL MECHANICAL SYSTEMS AND EQUIPMENT SHALL MEET THE CURRENT ASHRAE/IES 90.1 STANDARDS FOR MINIMUM ENERGY EFFICIENCY LEVELS. DUCTWORK INSULATION SHALL HAVE A MINIMUM VALUE OF R-8. PROGRAMMABLE THERMOSTATS (IF USED) SHALL HAVE NIGHT SET BACK. WATER HEATING SYSTEMS SHALL HAVE HEAT TRAPS. PROVIDE OPERATION AND MAINTENANCE MANUALS.
34. DRAIN PANS SHALL BE STAINLESS STEEL, DOUBLE SLOPED AND CLEANABLE. REFER TO ASHRAE 62 FOR MINIMUM STANDARDS.

ELECTRICAL NOTES:

1. FOR EXACT LIGHT FIXTURE LOCATIONS, LIGHT FIXTURE SPECIFICATIONS, EXACT RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS, REFER TO ARCHITECTURAL PLANS AND DETAILS. MEP PLANS ARE FOR CIRCUITING INFORMATION AND LIFE SAFETY ONLY.
2. COORDINATE SWITCH/DIMMER LOCATIONS AND SWITCHING/DIMMING PATTERNS WITH ARCHITECT PRIOR TO INSTALLATION.
3. POKE-THROUGH/FLOOR BOX SPECIFICATIONS SHALL BE AS FOLLOWS:
DUPLX - WALKER RC3 (OR EQUIVALENT)
QUADRAPLEX - WALKER RC4 (OR EQUIVALENT)
FURNITURE FEED (TWO DEVICES SHOWN) - WALKER RC7FFTC FOR POWER, WALKER RC900AM-114 FOR TELE/DATA (OR EQUIVALENTS)
FURNITURE FEED (ONE DEVICE SHOWN) - WALKER RC9FFTC COMBINATION POWER/TELE/DATA TOMBSTONE (OR EQUIVALENT)
SLAB ON GRADE FLOOR BOX - WALKER OMNIBOX 880CS3-1 (OR EQUIVALENT)
4. TENANT'S CABLING VENDOR TO VERIFY THAT TELE/DATA POKE-THROUGH QUANTITIES SHOWN ON PLANS ARE SUFFICIENT FOR CABLING REQUIREMENTS. CONTACT AOS/ARCHITECT IF ADDITIONAL DEVICES ARE REQUIRED.
5. PROVIDE OUTLET BOXES FOR ALL RECEPTACLES, SWITCHES, TELE/DATA DEVICES, ETC. AS REQUIRED PER PLANS.
6. ALL WET LOCATION RECEPTACLES (WITHIN 6' OF WET LOCATION) SHALL BE RATED 'GFI'. ALL OUTDOOR RECEPTACLES SHALL BE RATED 'WP' AND 'GFI'. ALL VENDING MACHINE RECEPTACLES TO BE GFI PROTECTED.
7. ALL RECEPTACLES SHALL BE GROUNDED. ALL DEVICES TO MATCH BUILDING STANDARD TYPE, U.N.O. ON PLANS. ALL FINISHES SHALL BE SELECTED BY ARCHITECT.
8. COORDINATE WITH BUILDING MANAGEMENT AND STRUCTURAL ENGINEER PRIOR TO INSTALLING ANY PENETRATIONS THROUGH SLABS, FIRE RATED WALLS, AND ROOFS TO VERIFY ANY X-RAY OR OTHER REQUIREMENTS NECESSARY PRIOR TO PERFORMING WORK. FINISHED INSTALLATION SHALL MAINTAIN FIRE PROOF, WATER PROOF, AND STRUCTURAL INTEGRITY OF SYSTEM PENETRATED.
9. ALL 120V AND 277V BRANCH CIRCUITS ARE PROTECTED BY 1P/20A BREAKERS U.N.O. ON PLANS.
10. AT ALL LOCATIONS WHERE MULTIPLE SWITCHES ARE LOCATED TOGETHER, CONTRACTOR SHALL GANG SWITCHES UNDER ONE COVER PLATE.
11. ALL NEW LIGHT FIXTURES TO BE PROVIDED WITH LAMPS INCLUDED. ALL NEW/RELOCATED LIGHT FIXTURES SHALL BE SUPPORTED FROM ABOVE STRUCTURE, SEPARATE FROM CEILING GRID. PROVIDE AND INSTALL ALL REQUIRED ACCESSORIES RECOMMENDED BY MANUFACTURER FOR A COMPLETE INSTALLATION. CLEAN AND RELAMP ALL EXISTING TO REMAIN FIXTURES AS REQUIRED. VERIFY EXACT SCOPE IN FIELD.
12. ALL CONDUCTORS ARE TO BE COPPER. #12 GAUGE MINIMUM. CIRCUITS OF 120V EXCEEDING 115 FEET AND CIRCUITS OF 277V EXCEEDING 270 FEET SHALL BE #10 GAUGE MINIMUM. CONTROL WIRING SHALL BE #14 GAUGE MINIMUM. ALL CONNECTIONS SHALL BE MADE WITH U.L. LISTED CONNECTORS. UPSIZE ALL SHARED NEUTRALS TO #10 WIRE.
13. DEMOLISH ALL UNUSED CONDUIT AND WIRING BACK TO SOURCE.
14. UTILIZE EXISTING BASE BUILDING EMERGENCY LIGHTING CIRCUITS FOR ALL EMERGENCY FIXTURES AND EXIT SIGNS. VERIFY MAXIMUM OF 16A PER CIRCUIT AFTER ADDITION OF NEW FIXTURES. IN THE ABSENCE OF EMERGENCY CIRCUITS, PROVIDE AND INSTALL BATTERY PACKS IN ALL EMERGENCY FIXTURES AND EXIT SIGNS.
15. IF ENERGY MANAGEMENT SYSTEM (EMS) IS PRESENT IN BUILDING, CONTRACTOR TO ROUTE ALL LIGHTING CIRCUITS THROUGH EMS AS DIRECTED BY BUILDING ENGINEER. COORDINATE IN FIELD.
16. PROVIDE POWER TO ALL NEW HVAC, VAV BOXES, DAMPERS, ETC. FROM NEAREST 120V GENERAL PURPOSE CIRCUIT OR FROM BUILDING HVAC CONTROL PANEL AS REQUIRED. MATCH BUILDING STANDARD. COORDINATE ANY CONNECTIONS TO CONTROL SYSTEM WITH BUILDING ENGINEER. VERIFY LOCATIONS AND QUANTITIES WITH MECHANICAL PLANS. PROVIDE LOCAL DISCONNECT SWITCH AT EQUIPMENT.
17. STEEL EMT CONDUIT SHALL BE UTILIZED FOR ALL HOME RUNS, 3/4" U.N.O. ON PLANS. MC CABLE SHALL BE ALLOWED FOR BRANCH WIRING BETWEEN LIGHTS AND RECEPTACLES U.N.O.
18. FOR EACH SINGLE PHASE OR THREE PHASE MOTOR, CONTRACTOR TO INSTALL LOCAL DISCONNECT. REFERENCE PLANS FOR DISCONNECT TYPE.
19. ALL FEEDERS AND BRANCH WIRING (120-480V), CONTROL WIRING, AND COMMUNICATION WIRING (LOW VOLTAGE) SHALL BE COMPLETELY ENCLOSED IN ELECTRICAL RACEWAY FROM SOURCE TO TERMINATION. INSTALL NYLON PULL CORD IN ALL RACEWAYS. ALL RACEWAYS SHALL BE FULLY SUPPORTED FROM SOURCE TO TERMINATION. PROVIDE AND INSTALL ALL SUPPORTING MEANS AS REQUIRED FOR A COMPLETE SYSTEM. CONTRACTOR TO INSTALL PULL BOXES, JUNCTION BOXES, WIREWAYS, ETC. WHERE REQUIRED PER NEC FOR A COMPLETE, CODE COMPLIANT SYSTEM.
20. CONTRACTOR TO REFERENCE MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF ALL HVAC/PLUMBING EQUIPMENT PRIOR TO SUBMITTING BID AND ROUTING CIRCUITRY. CONTACT AOS IMMEDIATELY IF MECHANICAL/PLUMBING PLANS SHOW EQUIPMENT THAT IS NOT CIRCUITED ON ELECTRICAL PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE POWER TO ALL NEW HVAC/PLUMBING EQUIPMENT, TO ENSURE A COMPLETE, WORKABLE SYSTEM.
21. CONTRACTOR TO OBTAIN APPROVAL FROM BUILDING MANAGEMENT FOR ANY SHUTDOWNS REQUIRED. UNDER NO CIRCUMSTANCES SHALL ANY ELECTRICAL DISTRIBUTION EQUIPMENT BE SHUT DOWN WITHOUT THE EXPRESS PERMISSION OF BUILDING MANAGEMENT.
22. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO PROPERTY (OR ADJACENT PROPERTY) CAUSED BY HIM DURING CONSTRUCTION AND FOR THE REPLACEMENT/REPAIR THEREOF.
23. CONTRACTOR SHALL HONOR ALL GUARANTEE COMMITMENTS FOR THE DESIGNATED TIME FRAME. REPLACE/REPAIR ANY FAILING EQUIPMENT/SYSTEMS AS DIRECTED BY BUILDING MANAGEMENT DURING THIS TIME FRAME.
24. ALL NEW EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO PROVIDE AND INSTALL ALL APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION.
25. ALL WORK SHALL FULLY COMPLY WITH ALL APPLICABLE CODES. CONTACT AOS AND/OR LOCAL CODE OFFICIALS TO RESOLVE ANY QUESTIONS REGARDING CODE ISSUES PRIOR TO PERFORMING WORK. SHOULD CONTRACTOR PROCEED WITH WORK IN QUESTION WITHOUT COORDINATING WITH CODE OFFICIALS, CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH RE-WORK DUE TO CODE VIOLATIONS.
26. PRIOR TO SUBMITTING BID, CONTRACTOR TO VISIT SITE TO FAMILIARIZE HIM/HER SELF WITH ALL EXISTING FIELD CONDITIONS. NOTIFY ARCHITECT/AOS OF ANY ITEMS DISCOVERED THAT ARE NOT COVERED ON PLANS THAT WILL AFFECT PRICING.
27. ALL NEW TRANSFORMERS SHALL U.L. LISTED DRY TYPE. SEE PLANS FOR RATINGS. ALL FLOOR EQUIPMENT SHALL BE MOUNTED ON 4" HOUSEKEEPING PAD.
28. REFERENCE PLANS FOR ALL NEW EQUIPMENT LOCATIONS. MANUFACTURER OF ALL NEW DISTRIBUTION EQUIPMENT SHALL MATCH BUILDING STANDARD. VERIFY MANUFACTURER DURING SITE VISIT. ALL NEW PANELBOARDS TO HAVE COPPER BUS.
29. FINISHED WORK TO FULLY COMPLY WITH ALL BASE BUILDING STANDARDS. OBTAIN MANUAL OF BUILDING STANDARDS FROM BUILDING MANAGEMENT PRIOR TO SUBMITTING BID AND BEGINNING WORK.
30. LOCAL DISCONNECTS ARE PROVIDED WITH ALL CRAC (COMPUTER ROOM AIR CONDITIONING) EQUIPMENT U.N.O.
31. ALL SURFACE MOUNTED RACEWAY SHALL BE ALUMINUM WITH DIVIDER. RACEWAYS SHALL BE SIZED PER NEC FOR WIRE QUANTITY THROUGH RACEWAY. FINISH OF RACEWAY TO BE SELECTED BY ARCHITECT.
32. CONTRACTOR TO INSTALL NEW KIWH METERS FOR ANY NEW CRAC EQUIPMENT, OR FOR ANY NEW SUPPLEMENTAL HVAC SPLIT SYSTEMS OR ROOF TOP UNITS. REFERENCE PLANS FOR MORE DETAILED METERING INSTRUCTIONS.
33. UPDATE ALL AFFECTED PANEL SCHEDULES UPON COMPLETION OF WORK. UPDATED SCHEDULES MUST BE TYPED.
34. ALL ELECTRIC ROOM INSTALLATIONS SHALL BE DONE IN SUCH A WAY AS TO MAXIMIZE WALL/FLOOR SPACE FOR FUTURE EQUIPMENT.
35. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR SUBMITTING FIRE ALARM CONSTRUCTION DOCUMENTS TO LOCAL OFFICIALS FOR PERMIT. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT QUANTITIES AND LOCATIONS OF ALL FIRE ALARM DEVICES TO MEET ALL APPLICABLE CODES AND FOR DETERMINING REQUIREMENTS FOR CONNECTIONS TO EXISTING BUILDING FIRE ALARM SYSTEM TO ENSURE A COMPLETE, WORKABLE SYSTEM. INSTALL NEW FIRE ALARM SYSTEM IN BUILDING WHERE DIRECTED BY LOCAL CODE OFFICIALS.
36. CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES AS REQUIRED PER ALL RELATED MANUFACTURER'S RECOMMENDATIONS TO PROVIDE A COMPLETE, WORKABLE ELECTRICAL SYSTEM PER THE INTENT OF THE CONTRACT DOCUMENTS, EVEN THOUGH ALL NECESSARY ITEMS AND ACCESSORIES ARE NOT SHOWN ON PLANS.
37. CONTRACTOR TO INSTALL A GROUNDING SYSTEM THAT FULLY COMPLIES WITH THE NEC AND ANY LOCAL CODES.
38. CONTRACTOR TO INSTALL CONDUIT WITH PULL STRING FROM BUILDING TELEPHONE CLOSET TO TENANT'S PHONE BOARD. COORDINATE EXACT CONDUIT SIZE AND CONDUIT ROUTING IN FIELD WITH TENANT AND BUILDING ENGINEER.
39. CONTRACTOR TO ROUTE 1-#6 INSULATED GROUND WIRE FROM BUILDING GROUND RISER TO TENANT TELEPHONE BOARD. IF TENANT HAS COPPER GROUND BAR IN SERVER/IT ROOM, CONTRACTOR MAY UTILIZE IT TO SERVE #6 GROUND WIRE TO PHONE BOARD. COORDINATE EXACT GROUNDING REQUIREMENTS IN FIELD WITH TELEPHONE SYSTEM INSTALLER PRIOR TO INSTALLING GROUND WIRE.
40. IN KITCHEN AREAS, ALL SINGLE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 50A OR LESS AND ALL THREE-PHASE RECEPTACLES RATED 150V TO GROUND OR LESS, 100A OR LESS TO BE GFCI PROTECTED PER NEC 210.8.
41. CONTRACTOR SHALL COORDINATE 3RD PARTY ENERGY COMPLIANCE REVIEW WITH CITY FINAL INSPECTION REQUIREMENTS. OBTAIN LIST OF APPROVED REVIEWERS DIRECTLY FROM CITY INSPECTION DEPARTMENT. ALL FEES ASSOCIATED WITH 3RD PARTY REVIEWS SHALL BE PAID BY THE CONTRACTOR AS PART OF CLOSE OUT DOCUMENTS.
42. ALL VERTICAL MOUNTED RECEPTACLES SHALL BE INSTALLED WITH THE GROUND ON TOP. ALL HORIZONTAL RECEPTACLES SHALL BE INSTALLED WITH THE NEUTRAL ON TOP.

DEMOLITION NOTES:

1. PROTECT THE EXISTING EQUIPMENT AND SYSTEMS TO REMAIN OPERATIONAL. IF DAMAGED OR DISTURBED IN THE COURSE OF THE DEMOLITION WORK, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE WITH NEW PRODUCT OF EQUAL CAPACITY, QUALITY AND FUNCTIONALITY.
2. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO ARRANGE THE SHUT OFF OF UTILITIES.
3. CONTRACTOR SHALL BOX AND/OR PALLETIZE ALL DEMOLISHED EQUIPMENT AND PROTECT IT ON SITE. REMOVE THESE ITEMS FROM THE SITE AT THE DIRECTION OF THE OWNER.
4. CONTRACTOR SHALL NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL-INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA TO FULFILL THE INTENT OF THE COMPLETE DESIGN. REFER TO ARCHITECTURAL DOCUMENTS FOR DEFINITION OF SCOPE FOR DEMOLITION AREAS AND ADDITIONAL REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO CONFIRM THE EXTENT OF DEMOLITION AND RESOLVE ANY DISCREPANCIES WITH OWNER'S/LANDLORD'S CONSTRUCTION MANAGER.
5. FOR DEMOLITION AREAS, THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND FIRE SUPPRESSION DEMOLITION DRAWINGS AND REMOVE WIRING, RACEWAYS, AND ELECTRICAL EQUIPMENT ASSOCIATED WITH THE MECHANICAL, PLUMBING AND FIRE SUPPRESSION DEMOLITION.
6. ENSURE THAT ALL LIFE SAFETY SYSTEMS REMAIN OPERATIONAL AND MEET LIFE SAFETY CODE REQUIREMENTS FOR ALL OCCUPIED AREAS THAT REMAIN OPERATIONAL DURING/AFTER DEMOLITION. THIS INCLUDES, BUT IS NOT LIMITED TO, EGRESS PATHWAYS, FIRE ALARM SYSTEMS, EGRESS LIGHTING AND OTHER LIFE SAFETY SYSTEMS.
7. PROTECT EXISTING EQUIPMENT AND SYSTEMS INTENDED TO REMAIN OPERATIONAL. IF DAMAGED OR DISTURBED IN THE COURSE OF THE DEMOLITION WORK, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE WITH NEW PRODUCT OF EQUAL CAPACITY, QUALITY AND FUNCTIONALITY.
8. RE-ROUTE AND RE-CONNECT ANY CIRCUIT(S) THAT ARE TO REMAIN IN USE BUT INTERFERES WITH THE NEW CONSTRUCTION.
9. WORK REQUIRING INTERRUPTION OF ELECTRICAL POWER, WHICH WOULD ADVERSELY AFFECT THE NORMAL OPERATION OF THE OWNER/LANDLORD'S PROPERTY OR OTHER BUILDING TENANTS, SHALL BE DONE AT A TIME OTHER THAN NORMAL WORKING HOURS. SCHEDULE ALL OUTAGES WITH OWNER/LANDLORD PRIOR TO SHUTDOWN.
10. OWNER/LANDLORD RESERVES THE RIGHTS TO ALL DEMOLISHED MATERIALS. COORDINATE AND VERIFY EQUIPMENT INTENDED TO BE SALVAGED PRIOR TO DEMOLITION. MATERIALS THAT OWNER/LANDLORD REQUESTS TO BE RE-USED OR SALVAGED, THE MATERIALS SHALL BE REMOVED IN A NEAT WORKMAN LIKE METHOD TO ALLOW THEIR RE-USE. PROTECT THE SALVAGE MATERIALS FOR REUSE BY PROPERLY PACKAGING THE MATERIALS TO PROTECT SALVAGED MATERIALS FROM DAMAGE; SECURELY PACKAGE ALL SALVAGE MATERIAL'S INSTALLATION HARDWARE AND PARTS TO SALVAGED MATERIALS.
11. REMOVE UNUSED BRANCH CIRCUITS BACK TO BRANCH PANELBOARD OF ORIGIN, MARK BREAKER AS "SPARE" AND MAKE ELECTRICALLY SAFE. REMOVE ALL ABANDONED CONDUITS ABOVE LAY-IN CEILING, EXPOSED CONDUITS, FLEXIBLE CONDUITS, SURFACE RACEWAY, SURFACE MOUNTED OUTLET/JUNCTION BOXES, AND EQUIPMENT UNLESS NOTED OTHERWISE.
12. REMOVE DEMOLISHED MATERIAL FROM PROJECT SITE IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND REGULATIONS. FOLLOW ALL STATE AND LOCAL REGULATIONS AND CODES FOR PROPER DISPOSAL.



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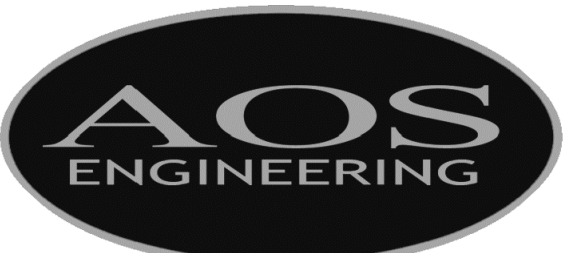
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CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



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AOS JOB # 633-081-21

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| | For Review | 06/10/2021 |



Chisolm Trail Ranch

5309 McPherson Blvd.
Suite No:
Fort Worth, Texas 76123

Project ID: 17-1045-1079

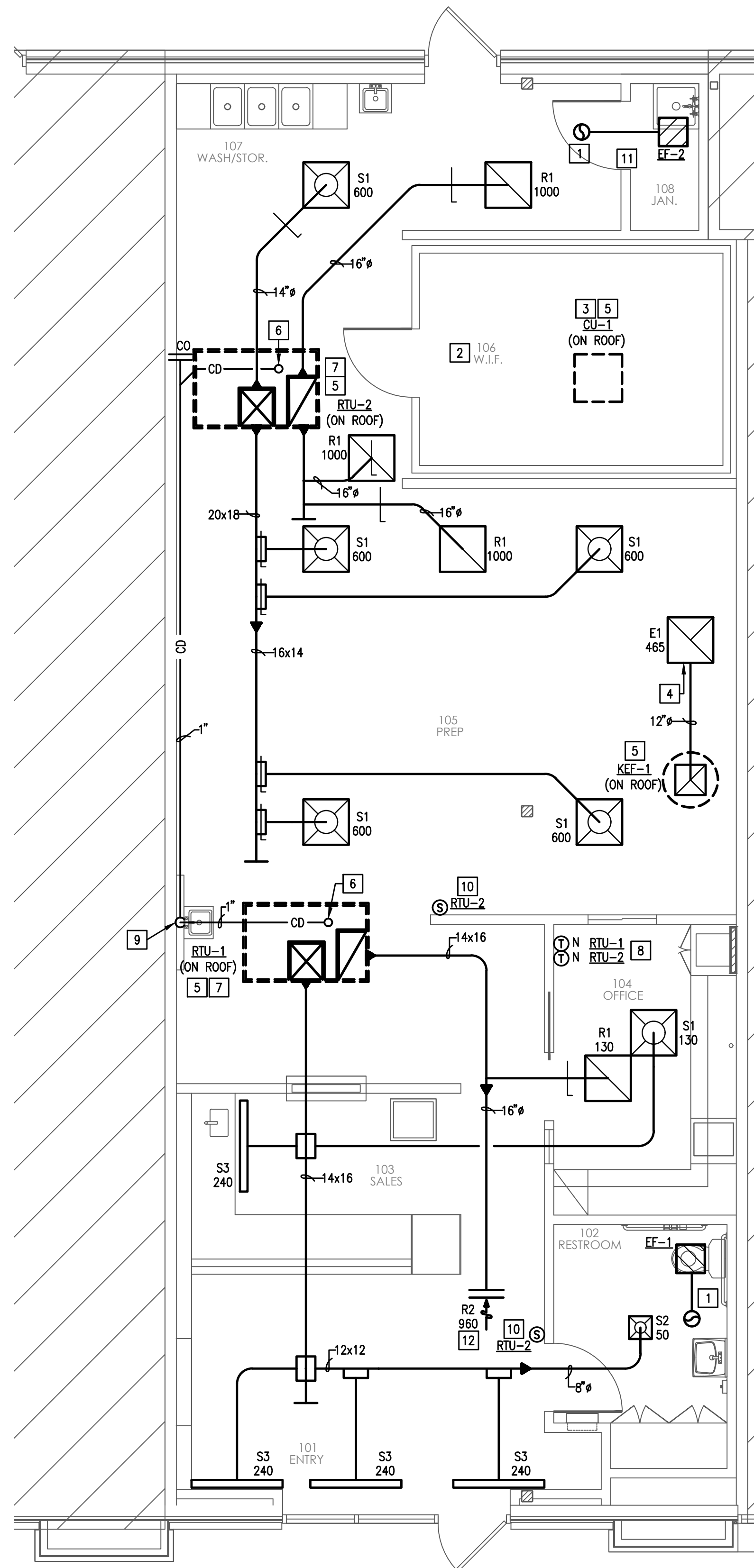
Sheet Title

Cover Sheet Notes

Sheet Number

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MEP0.2



NORTH
1 FLOOR PLAN - MECHANICAL
 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. FIELD VERIFY ALL EXISTING CONDITIONS. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS. REPORT ANY DEFICIENCIES TO AOS ENGINEERING.
- B. ALL NEW GRILLES SHALL BE PER AIR DEVICE SCHEDULE AS SHOWN ON SHEET M-2.01.
- C. PROVIDE REMOTE DAMPER CABLE FOR GRILLES IN GYP CEILING AND LOCATE ACCESS AT GRILLE FACE.
- D. CONTRACTOR SHALL MAINTAIN 10'-0" MINIMUM DISTANCE BETWEEN ALL EXHAUST TERMINATIONS AND INTAKE AIR LOCATIONS PER LOCAL CODES.
- E. PROVIDE SMOKE/FIRE DAMPERS FOR ALL NEW PENETRATIONS IN FIRE RATED WALL.
- F. ALL ROOF PENETRATIONS, FLASHINGS, ETC. TO BE MADE BY LANDLORD ROOFING CONTRACTOR. TENANT MUST PROVIDE WARRANTY CERTIFICATE FROM ROOFING MANUFACTURER.
- G. ALL EXISTING MECHANICAL EQUIPMENT AND DUCTWORK TO BE REMOVED AND REPLACED. SURRENDER ELECTRIC HEATER IN SHELL SPACE TO LANDLORD IF PRESENT.
- H. ALL ROOF MOUNTED MECHANICAL EQUIPMENT TO BE SCREENED PER CITY REQUIREMENTS. COORDINATE SCREENING TYPE WITH ARCHITECT.

KEY NOTES:

- 1. ROUTE 6" EXHAUST DUCT UP THRU ROOF. TERMINATE WITH WEATHER AND INSECT PROOF ROOF CAP. SIZE AS NOTED ON PLANS. MAINTAIN A MINIMUM DISTANCE OF 10'-0" BETWEEN EXHAUST TERMINATION AND ALL AIR INTAKES INTO BUILDING. COORDINATE EXACT LOCATION OF ROOF PENETRATION IN FIELD TO AVOID CONFLICT WITH EXISTING EQUIPMENT ON ROOF.
- 2. CONTRACTOR SHALL ROUTE CONDENSATE DRAIN LINE FOR WALK IN FREEZER PER MANUFACTURER'S RECOMMENDATIONS AND TERMINATE AT MOP SINK OUTSIDE COOLER.
- 3. WALK IN FREEZER CONDENSING UNIT IS PROVIDED BY OTHERS. INSTALL CONDENSING UNIT SUPPORT ON ROOF PER MANUFACTURER INSTRUCTIONS. COORDINATE EXACT LOCATION OF CONDENSING UNIT WITH LANDLORD BEFORE CONSTRUCTION.
- 4. ROUTE 10x10 EXHAUST DUCT FROM GRILLE CONNECTION THROUGH ROOF AND CONNECT TO ROOF MOUNTED KITCHEN EXHAUST FAN. TRANSITION AS REQUIRED TO MAKE CONNECTION AND VERIFY ALL ROOF PENETRATIONS ARE WEATHER TIGHT.
- 5. INSTALL ROOF MOUNTED EQUIPMENT ON 14" ROOF INSULATED ROOF CURB PER MANUFACTURER INSTRUCTIONS. VERIFY NEW MECHANICAL EQUIPMENT DOES NOT AFFECT STRUCTURAL INTEGRITY OF ROOF WITH STRUCTURAL ENGINEER. SEAL ALL ROOF PENETRATIONS WEATHER TIGHT AND MAINTAIN ALL ROOF WARRANTIES. VERIFY THAT ALL MANUFACTURER REQUIRED CLEARANCES ARE MAINTAINED.
- 6. ROUTE 1" CONDENSATE DOWN THROUGH ROOF FROM ROOF TOP UNIT. ROUTE CONDENSATE IN CEILING SPACE AS SHOWN ON PLANS WITH SLOPE OF 1/8" PER FOOT OF HORIZONTAL PIPING.
- 7. INSTALL NEW PACKAGED ROOFTOP UNIT PER THE ROOFTOP UNIT SCHEDULE AS SHOWN ON SHEET M2.01. INSTALL ON EXISTING ROOF CURB AND PROVIDE CURB ADAPTER AS REQUIRED. VERIFY WEIGHT DOES NOT EXCEED ROOF LIMITS WITH STRUCTURAL ENGINEER PRIOR TO BID AND CONSTRUCTION. PROVIDE ALL MANUFACTURER CLEARANCES FOR MAINTENANCE AND ACCESS. REPORT ANY DEFICIENCIES TO AOS ENGINEERING.
- 8. LOCATE THERMOSTAT 48" ABOVE FINISHED FLOOR AND INTERLOCK WITH ASSOCIATED TEMPERATURE SENSOR.
- 9. ROUTE CONDENSATE PIPING DOWN WALL AND TERMINATE AT TAILPIECE OF SINK. COORDINATE EXACT LOCATION OF HAND SINK WITH PLUMBING AND ARCHITECTURAL PLANS.
- 10. LOCATE WIRELESS REMOTE TEMPERATURE SENSOR 60" ABOVE FINISHED FLOOR.
- 11. UNDERCUT DOOR 1" TO ALLOW TRANSFER OF AIR.
- 12. MOUNT RETURN GRILLE IN FACE OF GYP BOARD SOFFIT LOCATED ABOVE SALES COUNTER.



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| ▲ | Addendum A | 07/13/2021 |
| | For Review | 06/10/2021 |



Chisolm Trail Ranch

5309 McPherson Blvd.
 Suite No: 230
 Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title

Mechanical Floor Plan

Sheet Number

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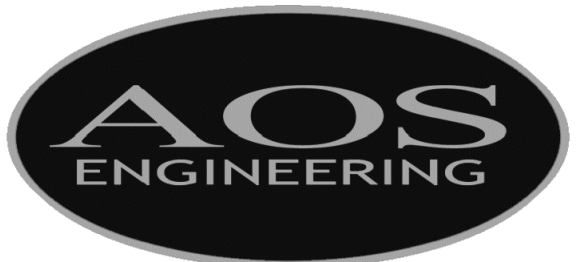
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AOS JOB # 633-081-21

| ELECTRIC PACKAGED ROOFTOP UNIT SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------|-----------|--------------------------|--------------|---------------------|------|-----|----------------|-----|-----|----------------------|-------------------------|------------------|-----|-----|----|---------|-----------------------|---------------------|------------|-----|-------|------|---------|--------|---------------------|
| GENERAL | | | | | MECHANICAL | | | | | | | | | | | | | | | ELECTRICAL | | | | REMARKS | | |
| DESIG. | MFR. | MODEL # | DIMENSIONS (LxWxH) (IN.) | WEIGHT (LBS) | FAN | | | | | | COOLING | | | | | | HEATING | | | VOLT/PH | MCA | MOCP | SCCR | | | |
| | | | | | CAPACITY (NO. TONS) | CFM | | ESP (IN. W.G.) | HP | RPM | TOTAL CAPACITY (MBH) | SENSIBLE CAPACITY (MBH) | TEMPERATURE (°F) | | | | EER | OUTPUT CAPACITY (MBH) | INPUT CAPACITY (KW) | | | | | | STAGES | |
| | | | | | | SA | OA | | | | | | EAT | LAT | OAT | DB | | | | | | | | | | WB |
| RTU-1 | JOHNSON CONTROLS | J432E1582 | 88x59x42 | 862 | 3.0 | 1200 | 200 | 0.80 | 1.5 | 777 | 36.7 | 26.1 | 80 | 87 | 60 | 57 | 98 | 12.2 | 38.0 | 11.3 | 2.0 | 208/3 | 48.7 | 50 | 1971 | 1-5,7,8,10,12,13,14 |
| RTU-2 | JOHNSON CONTROLS | J072E28P2 | 88x59x51 | 1,188 | 7.5 | 3000 | 500 | 0.80 | 1.5 | 910 | 92.9 | 70.3 | 80 | 87 | 58 | 57 | 98 | 12.2 | 86.0 | 25.5 | 2.0 | 208/3 | 95.0 | 100 | 3840 | 1-8,11,12,13,14 |

NOTES:
A. EQUIPMENT TO BE CLEARLY LABELED.
B. ACCEPTABLE MANUFACTURERS: YORK/JCI
C. COORDINATE EXACT LOCATION WITH LANDLORD AND STRUCTURAL ENGINEER.
D. INSTALL UNITS LEVEL FOR PROPER CONDENSATE DRAINAGE. SHIM CURBS AS REQUIRED.

REMARKS:
1. FACTORY MOUNTED, NON-FUSED DISCONNECT SWITCH AND SINGLE POINT POWER CONNECTION
2. 14" HIGH, INSULATED FACTORY ROOF CURB
3. THRU BASE ELECTRICAL CONNECTIONS
4. 7 DAY PROGRAMMABLE THERMOSTAT
5. SLOPED CONDENSATE DRAIN PAN WITH THRU BASE CONDENSATE DRAIN
6. SINGLE ENTHALPY DRY BULB ECONOMIZER WITH BAROMETRIC RELIEF DAMPERS AND HOODS
7. HAIL GUARDS ON CONDENSER COILS
8. HINGED ACCESS DOORS
9. NON-POWERED CONVENIENCE OUTLET
10. MOTORIZED OUTSIDE AIR DAMPER AND BAROMETRIC RELIEF
11. VFD WITH INTEGRAL DISCONNECT
12. FACTORY MOUNTED RETURN AIR SMOKE DETECTOR (VERIFY LOCATION)
13. ADD 250 LBS FOR NEW ROOF CURB PLUS ACCESSORIES TO WEIGHT LISTED IN TABLE
14. ALL ROOF TOP UNITS OVER 2,000 CFM TO CONTAIN A DEDICATED SMOKE DETECTOR IN THE RETURN AIR PATH OF THAT SPECIFIC UNIT. COORDINATE FINAL LOCATION WITH AHI.

| EXHAUST FAN SCHEDULE | | | | | | | | | | | | | |
|----------------------|----------|----------|------------|---------|-----------------|--------------|-----|---------------|-------|--------|----------|---------|---------|
| GENERAL | | | | | FAN | | | | MOTOR | | | REMARKS | |
| DESIG. | LOCATION | SERVES | MFR. | MODEL # | TYPE | WEIGHT (LBS) | CFM | ESP (IN W.G.) | RPM | DRIVE | VOLTS/PH | | HP |
| EF-1 | CEILING | RESTROOM | LOREN-COOK | GC-146 | CEILING MOUNTED | 12 | 75 | 0.25 | 900 | DIRECT | 115/1 | 34.3W | 1,2,3,4 |
| EF-2 | CEILING | JANITOR | LOREN-COOK | GC-146 | CEILING MOUNTED | 12 | 75 | 0.25 | 900 | DIRECT | 115/1 | 34.3W | 1,2,3,4 |
| KEF-1 | ROOF | KITCHEN | LOREN-COOK | 90R15DH | UPBLAST | 29 | 465 | 0.25 | 1550 | DIRECT | 115/1 | .125 | 1,2,3,5 |

NOTES:
A. EQUIPMENT TO BE CLEARLY LABELED.
B. ACCEPTABLE MANUFACTURERS ARE: AQME, TWIN CITY FANS, COOK, GREENHECK, PENNBARRY
C. COORDINATE EXACT LOCATION WITH LANDLORD AND STRUCTURAL ENGINEER.

REMARKS:
1. PRE-WIRED DISCONNECT SWITCH
2. PRE-WIRED SPEED CONTROLLER
3. GRAVITY BACKDRAFT DAMPER
4. ALUMINUM BRDSCREEN
5. FAN TO RUN CONTINUOUSLY DURING BUSINESS HOURS VIA TIMELOCK.

| AIR DEVICE SCHEDULE | | | | | | | |
|---------------------|-------|---------|---------|----------------------|----------|--------|---------|
| DESIG. | MFR. | MODEL # | TYPE | FACE TYPE/SIZE (IN.) | MATERIAL | FINISH | REMARKS |
| S1 | PRICE | ASCO | CEILING | 24"X24" | ALUMINUM | B12 | - |
| S2 | PRICE | ASCO | CEILING | 12"X12" | ALUMINUM | B12 | - |
| S3 | PRICE | TBD 3 | CEILING | 3'x48" | STEEL | B12 | 1 |
| R1 | PRICE | PDDR | CEILING | 24"X24" | ALUMINUM | B12 | - |
| R2 | PRICE | 530 | CEILING | 18"X12" | ALUMINUM | B12 | - |
| E1 | PRICE | PDDR | CEILING | 24"X24" | ALUMINUM | B12 | - |

NOTES:
A. MAX NC LEVEL OF DIFFUSERS TO BE 30.
B. ACCEPTABLE MANUFACTURERS ARE: PRICE, TITUS, NALOR, METALARE
C. FRAME AND BORDER TYPES TO MATCH CEILING AND/OR WALL.
D. REFERENCE ARCHITECTURAL REFLECTIVE CEILING PLAN.

REMARKS:
1. (2) 1" SLOTS

| RESTAURANT AIR BALANCE SCHEDULE | | | | | | |
|---------------------------------|--------------|--------------|--------------|-------------|------------|------------------------|
| KITCHEN AREA | | | | | | |
| DESIG. | SUPPLY CFM | MIN O.A. CFM | MAX O.A. CFM | EXHAUST CFM | RELIEF CFM | |
| RTU-2 | 3,000 | 100 | 500 | - | - | |
| EF-2 | - | - | - | 465 | - | |
| EF-3 | - | - | - | 75 | - | |
| EF-18 | - | - | - | - | - | |
| SUB-TOTAL | 3,000 | 100 | 500 | 540 | 0 | -40 NEGATIVE |

| DINING AREA | | | | | | |
|------------------|--------------|--------------|--------------|-------------|------------|------------------------|
| DESIG. | SUPPLY CFM | MIN O.A. CFM | MAX O.A. CFM | EXHAUST CFM | RELIEF CFM | |
| RTU-1 | 1,200 | 100 | 200 | - | - | |
| EF-1 | - | - | - | 75 | - | |
| SUB-TOTAL | 1,200 | 100 | 200 | 75 | 0 | 125 POSITIVE |

| TOTAL | 4,200 | 200 | 700 | 615 | 0 | 85 |
|-------|-------|-----|-----|-----|---|----------|
| | | | | | | POSITIVE |

For Review 06/10/2021
No. Issued Date



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5309 McPherson Blvd.
Suite No:
Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title

Mechanical Schedules

Sheet Number

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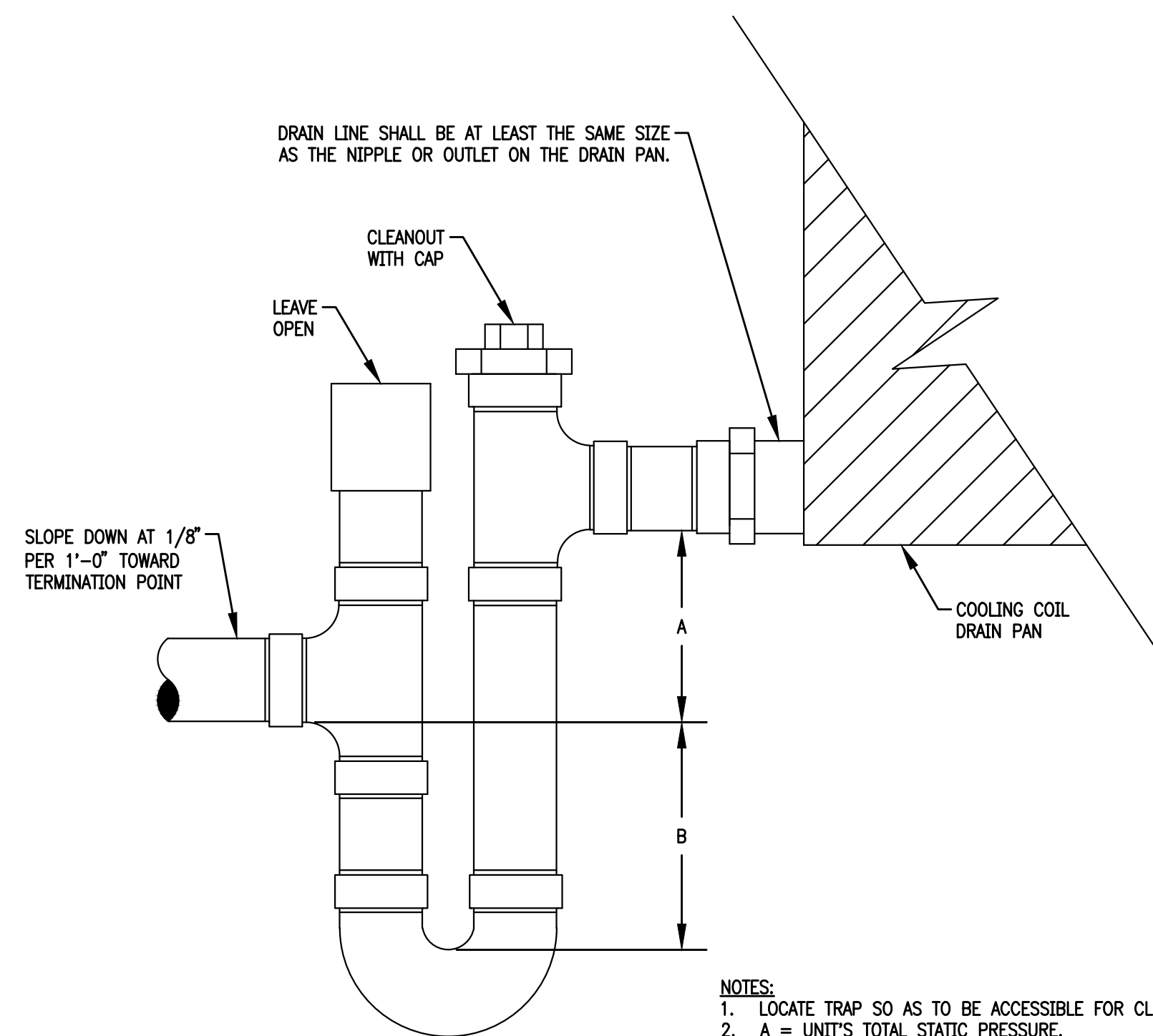
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DATE: 07-13-21

CONTRACTOR SHALL COORDINATE
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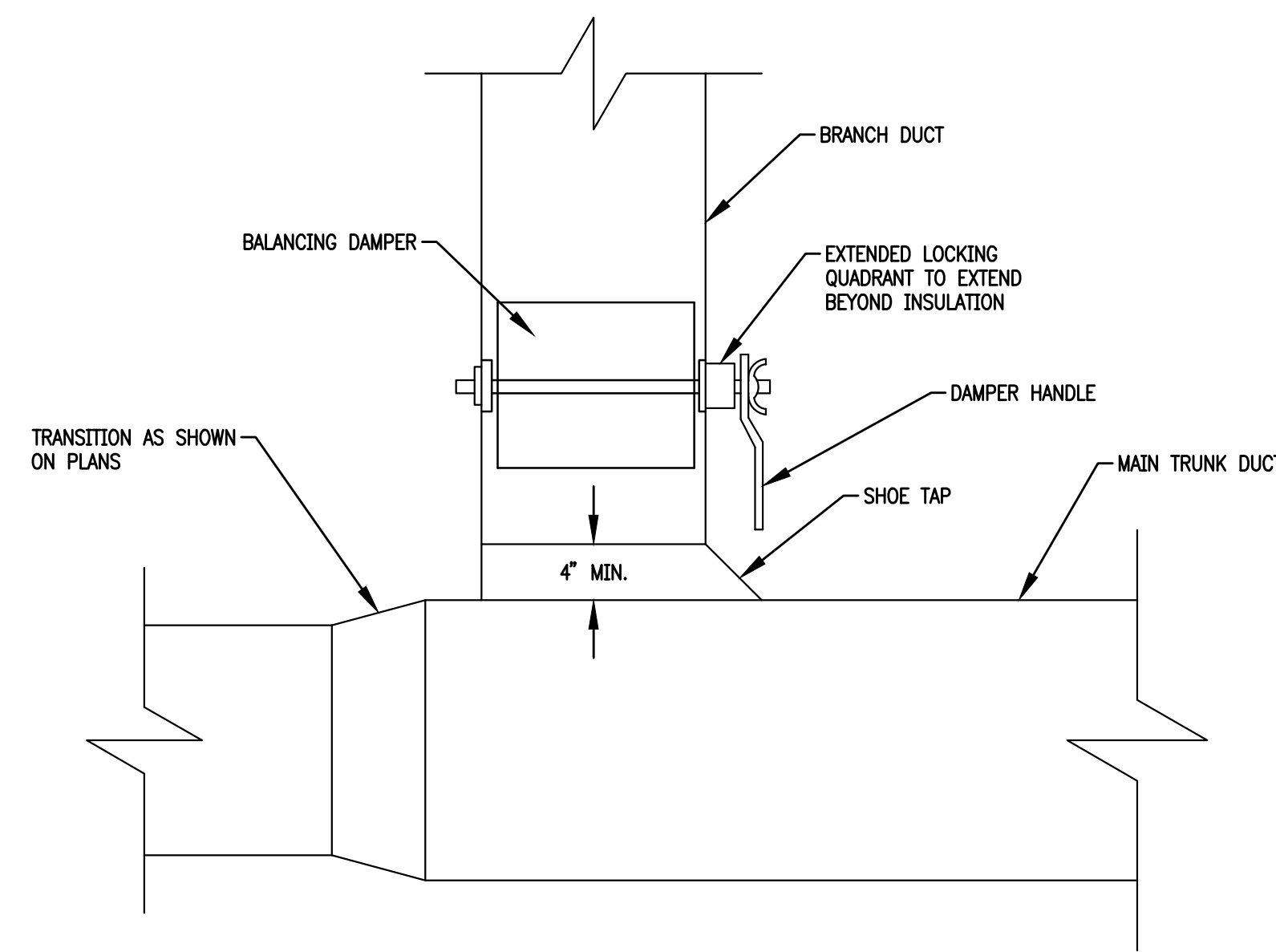
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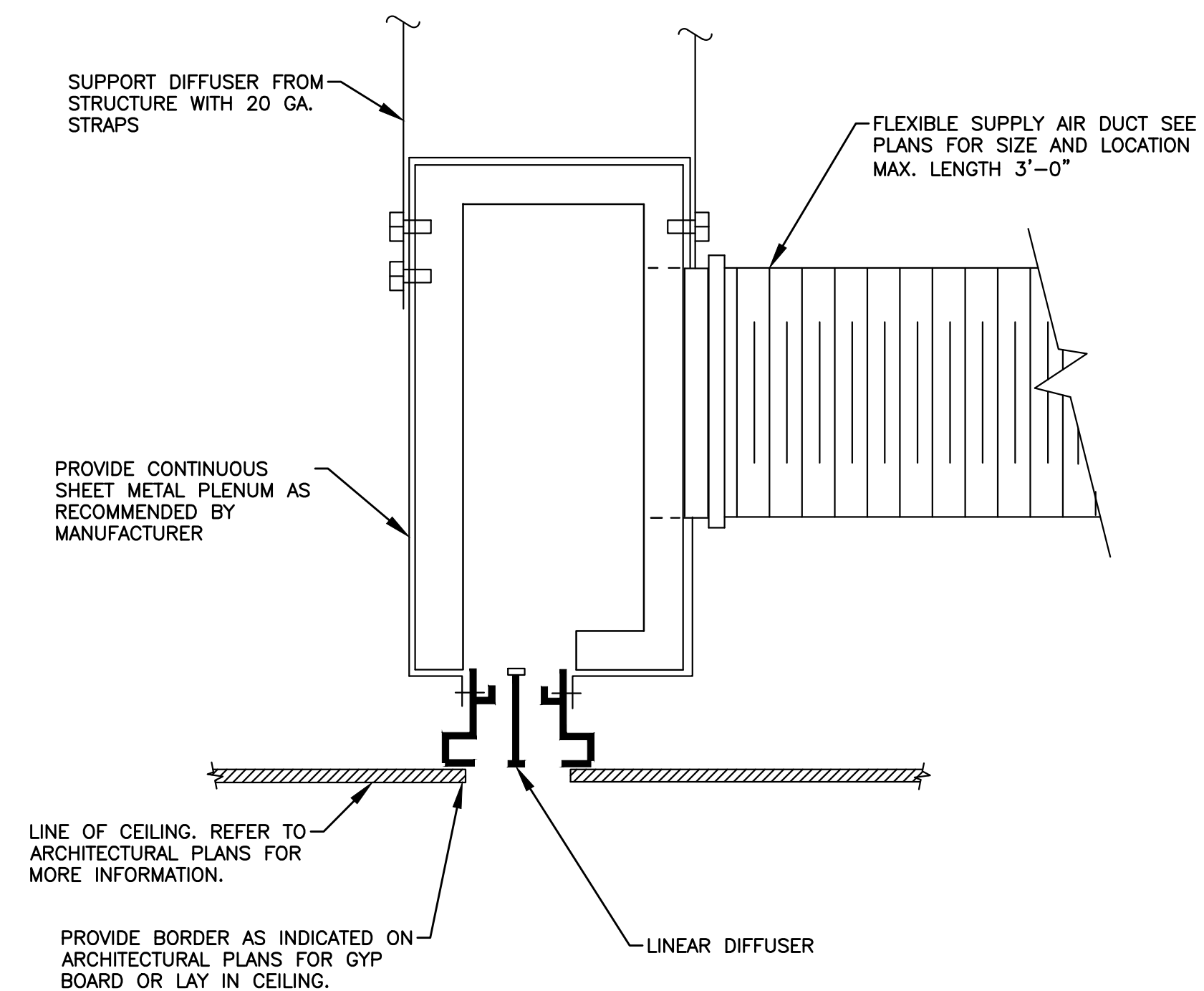


3 CONDENSATE P-TRAP DETAIL
SCALE: NOT TO SCALE

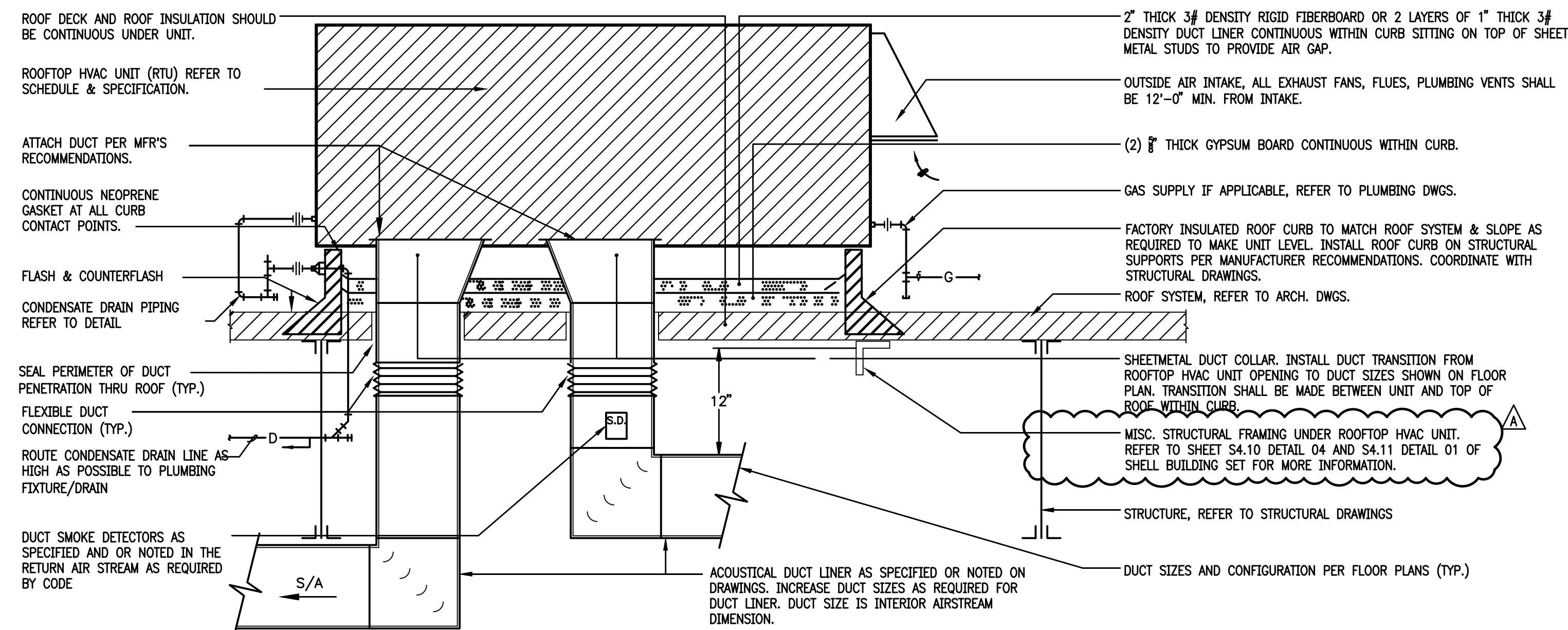
- NOTES:
1. LOCATE TRAP SO AS TO BE ACCESSIBLE FOR CLEANING.
2. A = UNIT'S TOTAL STATIC PRESSURE.
3. B = UNIT'S TOTAL STATIC PRESSURE PLUS 1".



2 BRANCH TAKE-OFF DETAIL
SCALE: NOT TO SCALE

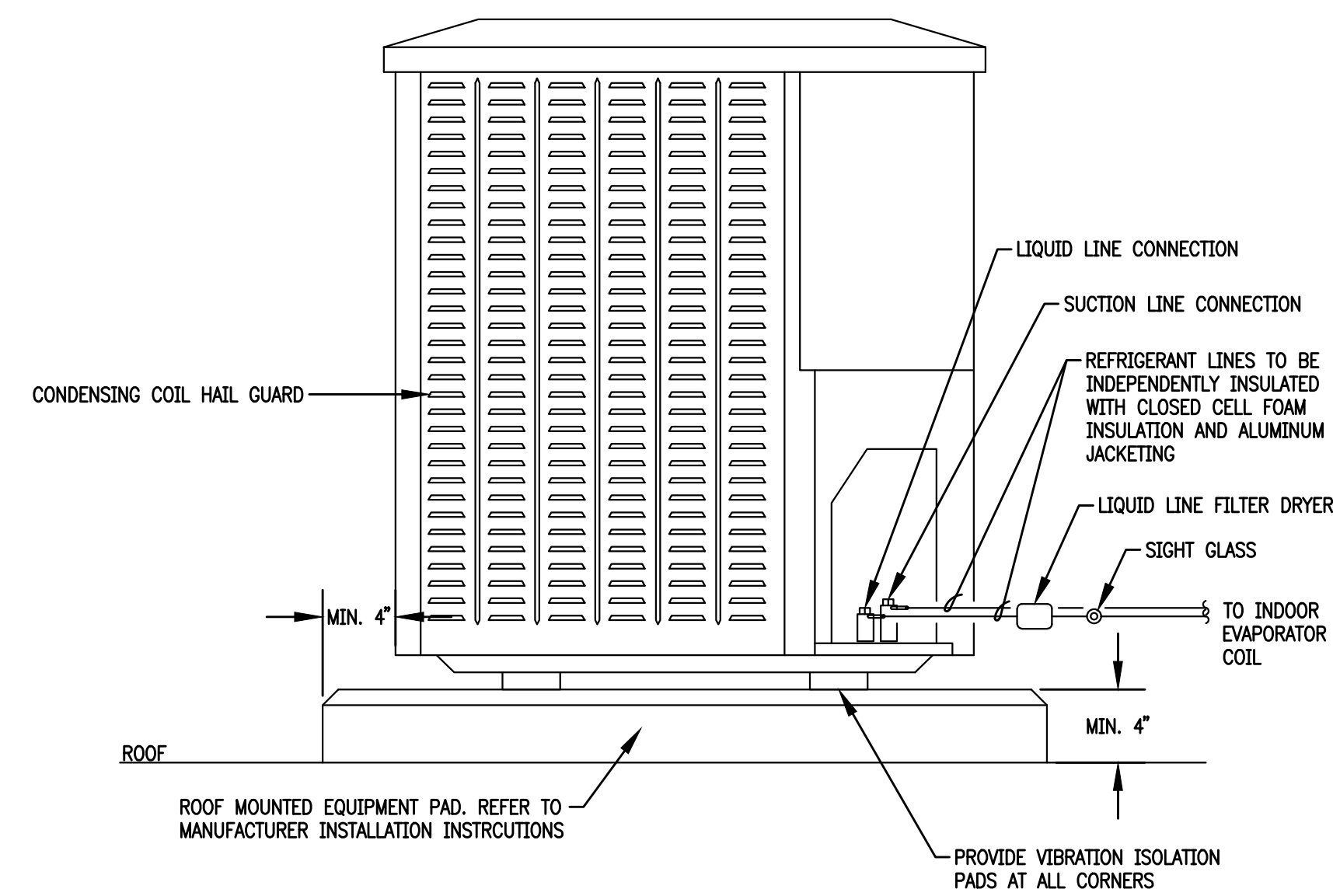


1 ARCHITECTURAL SLOT DIFFUSER DETAIL
SCALE: NOT TO SCALE



5 ROOFTOP HVAC UNIT DETAIL
SCALE: NOT TO SCALE

- NOTES:
1. ALL ROOF PENETRATIONS, ROOF FLASHING, CURBS TO BE COMPATIBLE WITH ROOF SYSTEM TYPE, AND AS RECOMMENDED BY THE ROOFING MANUFACTURER, MAINTAIN ALL ROOF WARRANTIES. REFER TO ARCHITECTURAL DRAWINGS FOR ALL ROOF PENETRATIONS AND FLASHING DETAILS. ANY ROOF PENETRATIONS AND INSTALLATIONS OF ROOF CURBS, JACKS, VENTS, ETC. MUST BE PERFORMED BY LANDLORD'S APPROVED ROOFER - MARTON ROOFING INDUSTRIES. CONTACT: FELIX MATIAS AT 713-664-7000 OR FMATIAS@MRTXAS.COM
2. LOCATED EQUIPMENT APPROX. AS SHOWN ON FLOOR PLANS IN GENERAL LOCATION SHOWN, BUT CONFORM TO ALL STRUCTURAL AND FINISH CONDITIONS OF BUILDING. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL SUPPORTS, HANGERS, OPENINGS, ETC., AS REQUIRED FOR A COMPLETE INSTALLATION. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. AC ROOF-TOP UNIT - ELECTRICAL TO ROOFTOP HVAC TO BE RUN INSIDE UNIT(S) AND CURBS (PACKAGED UNITS). IN ADDITION, CONTRACTOR SHALL ROUTE HVAC CONDENSATE LINE(S) TO APPROVED INTERNAL RECEPTOR.



4 ROOF MOUNTED CONDENSING UNIT DETAIL
SCALE: NOT TO SCALE

- NOTES:
1. ROUTE REFRIGERANT LIQUID AND SUCTION PIPING FROM OUTDOOR CONDENSING UNIT TO INDOOR EVAPORATOR COIL AT AIR HANDLING UNIT PER MANUFACTURER'S RECOMMENDATIONS.
2. ROUTE REFRIGERANT PIPING IN WALLS ON THE INTERIOR SIDE OF THE INSULATION AND ABOVE CEILING AS HIGH AS POSSIBLE.
3. REFRIGERANT LIQUID AND SUCTION LINES TO BE INDEPENDENTLY INSULATED WITH CLOSED CELL FOAM INSULATION FROM OUTDOOR UNIT TO INDOOR UNIT AND HAVE ALUMINUM JACKETING WHEN LOCATED OUTDOORS.

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| ▲ | Addendum A | 07/13/2021 |
| | For Review | 06/10/2021 |



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Fort Worth, Texas 76123

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Sheet Title

**Mechanical
Details**

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CONTRACTOR SHALL COORDINATE
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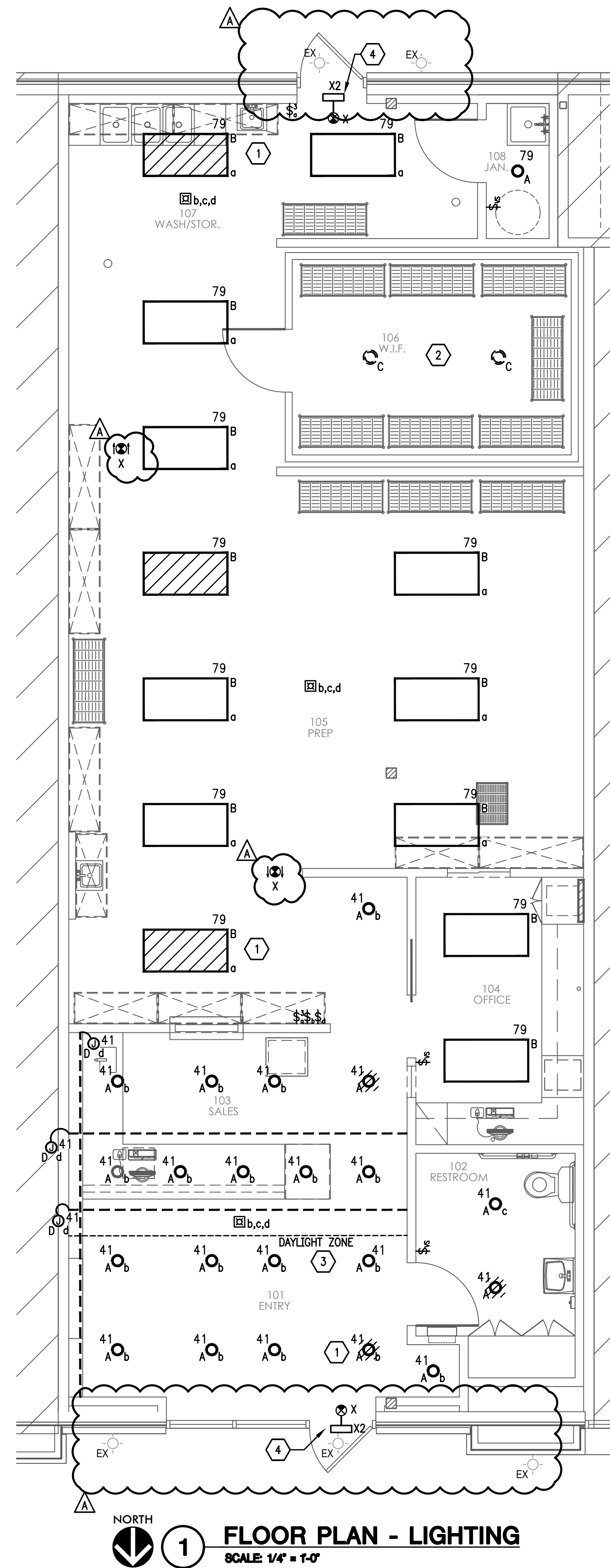


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AOS JOB # 633-081-21

| LIGHT FIXTURE SCHEDULE | | | | | |
|------------------------|--|---------|--------------|----------|---|
| TYPE | DESCRIPTION | VOLTAGE | LAMP | MOUNTING | MANUFACTURER/ CAT. # |
| A | DOWN LIGHT | 120 | LED 30W | RECESSED | LITHONIA EVO-35/6A9MD-LSS-MVOLT-EZ10 |
| B | 2X4 LED | 120 | LED 32W | RECESSED | LITHONIA ZTL4-40L-FW-A12-MVOLT-EZ1-LP835-EL14L |
| C | WALK-IN COOLER LIGHT | 120 | TNC 75W | SURFACE | BY MANUFACTURER |
| D | LED STRIP LIGHT; NOTE 3 AND 4 | 120 | LED 4W/FT | SURFACE | MODA LIGHT POWERLEX-3000K-MRTA25 |
| X | EDGE LIT EXIT WITH GREEN LETTERS | 120 | LED 3W | SURFACE | LITHONIA EDG-XX-G-XX |
| X2 | EMERGENCY EGRESS LIGHT WITH 90 MIN. BATTERY PACK | 120 | LED 10W | SURFACE | MULE LIGHTING EJE-BB-10-XX-W |
| EX | EXISTING LIGHT FIXTURE TO REMAIN. | EXIST. | EXIST. | EXIST. | EXIST. |

GENERAL NOTES:
1. ARCHITECT TO SELECT AND VERIFY ALL FINISHES AND FIXTURES PRIOR TO PURCHASE.
2. PROVIDE LUMINAIRE DISCONNECT FOR ALL FLUORESCENT LIGHT FIXTURES CONTAINING DOUBLE ENDED LAMPS IN ACCORDANCE WITH NEC ARTICLE 250.119.
3. PROVIDE LENGTHS NECESSARY TO MATCH LENGTHS INDICATED ON PLANS.
4. PROVIDE ALL DRIVERS, REMOTE POWER SUPPLY, TRANSFORMERS, PARTS AND PIECES TO ENSURE A PROPER FUNCTIONING COVE LIGHTING SYSTEM.
5. PROVIDE PRICING ALTERNATE FOR FLUORESCENT LIGHTING IN LIEU OF LED LIGHTING.
6. SUBMITTAL OF APPROVED EQUAL BY EATON, HUBBELL AND PHILIPS SHALL BE PERMITTED.



NORTH
1 FLOOR PLAN - LIGHTING
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. ALL LIGHTING IS FED FROM PANEL 'A'. CIRCUIT NUMBERS SHOWN ARE FOR LOCATION AND QUANTITY ONLY. VERIFY EXACT NUMBERS IN FIELD. CONTRACTOR TO PROVIDE NEW 20A/1P CIRCUIT BREAKERS FOR LIGHTING CIRCUITS IF ADDITIONAL ARE REQUIRED. UPDATE PANEL DIRECTORY WHEN WORK IS COMPLETED.
- B. COORDINATE ALL SWITCH LOCATIONS/SWITCH PATTERNS WITH TENANT/ARCHITECT PRIOR TO INSTALLATION.
- C. LABEL ALL SWITCHES TO SHOW PANEL CIRCUIT DESIGNATION WITH PRINTED LABEL TAPE.
- D. CONTRACTOR TO INSTALL NEW VACANCY SENSOR SWITCH (Ⓢ) AS SHOWN. MATCH BUILDING STANDARD. IF NO STANDARD IS ESTABLISHED, INSTALL WALL MOUNTED DUAL TECHNOLOGY VACANCY SENSOR, MANUAL "ON"/AUTOMATIC "OFF" WITHIN 20 MINUTES OF OCCUPANCY VACATING SPACE, EQUAL TO HUBBELL #LHMTS1 OR EQUIVALENT. COORDINATE FINISH WITH ARCHITECT.
- E. CONTRACTOR TO INSTALL NEW CEILING MOUNTED VACANCY SENSOR (Ⓢ) AS SHOWN. MATCH BUILDING STANDARD. IF NO STANDARD IS ESTABLISHED, INSTALL PROVIDE CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR, MANUAL "ON"/AUTOMATIC "OFF" WITHIN 20 MINUTES OF OCCUPANCY VACATING SPACE, EQUAL TO HUBBELL #DMND2000 OR EQUIVALENT. PROVIDE POWER PACK AS REQUIRED. COORDINATE FINISH WITH ARCHITECT. LOCATIONS SHOWN ARE APPROXIMATE. REFERENCE HUBBELL INSTALLATION MANUAL FOR OPTIMUM PLACEMENT OF SENSORS. SENSORS LOCATED IN RESTROOMS, STAIRWAYS, CORRIDORS, AND LOBBIES TO BE AUTOMATIC "ON"/AUTOMATIC "OFF" WITHIN 20 MINUTES OF OCCUPANTS VACATING THE SPACE.
- F. AT ALL LOCATIONS WHERE CEILING VACANCY SENSORS ARE SHOWN TO BE USED IN CONJUNCTION WITH A WALL SWITCH/DIMMER, CONTRACTOR TO ROUTE LIGHTING CIRCUIT THROUGH SENSOR FIRST, THEN TO LIGHT SWITCH/DIMMER, THEN TO LIGHT FIXTURE. PROVIDE POWER PACKS FOR AREAS CONTAINING 120V & 277V CIRCUITS MONITORED BY THE SAME CEILING VACANCY SENSOR.
- G. PROVIDE BATTERY PACKS OR EMERGENCY INVERTER SYSTEM FOR ALL EMERGENCY FIXTURES AND EXIT SIGNS. BATTERY PACK AND INVERTER SYSTEM SHALL BE RATED FOR A MINIMUM OF 90 MINUTES AND SHALL CARRY 100% OF THE LAMP LUMEN OUTPUT. CONNECT UN-SWITCHED EMERGENCY FIXTURES AHEAD OF ANY SWITCHES AND/OR RELAYS.
- H. UNLESS NOTED OTHERWISE ALL EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES SHALL BE CONNECTED TO ROOM/CORRIDOR/EXTERIOR LIGHTING CIRCUIT UNSWITCHED HOT LEG.
- I. PER NEC 410, ALL FIXTURES WITH DOUBLE ENDED LAMPS AND CONTAIN BALLAST(S) THAT ARE SERVICED IN PLACE SHALL BE INSTALLED WITH INTERNAL OR EXTERNAL DISCONNECTING MEANS THAT SIMULTANEOUSLY DISCONNECTS ALL CONDUCTORS INCLUDING THE GROUNDED CONDUCTOR. EXTERNAL DISCONNECTS MUST BE INSTALLED ADJACENT TO EACH CORRESPONDING FIXTURE AND THE LINE SIDE TERMINALS MUST BE GUARDED.
- J. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL SYMBOL LEGENDS, DEMOLITION, CONSTRUCTION NOTES AND LIGHTING SPECIFICATIONS.
- K. LIGHTING FIXTURES AND EXIT SIGNS TO MATCH BUILDING STANDARD. CONTRACTOR SHALL FIELD VERIFY.
- L. LOWERCASE LETTER INDICATES SWITCH DESIGNATION U.N.O.
- M. TIMECLOCK OVERRIDE SWITCHES SHALL NOT PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR 2 HOURS OR LESS WHEN INITIATED.
- N. IF ANY EXTERIOR ELECTRICAL WORK IS REQUIRED, ALL CONDUITS AND ELECTRICAL BOXES MUST BE PAINTED TO MATCH EXISTING. IN ADDITION, IF CONTRACTOR REPLACES PRIMARY ELECTRICAL SERVICE, THEN CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FASTENERS, OLD CONDUIT, AND BOXES AND SHALL PATCH REAR WALL, FINISH SMOOTH AND PAINT TO MATCH AS NEEDED.

KEY NOTES:

- 1 CONTRACTOR TO PROVIDE SWITCHED EMERGENCY LIGHT. REFERENCE DETAIL 4 ON SHEET E3.01 FOR MORE INFORMATION.
- 2 LIGHTS FOR WALK IN COOLER. REFERENCE SHEET E2.01 FOR BRANCH CIRCUIT.
- 3 DAYLIGHT ZONE IN GROUP M OCCUPANCY IS EXEMPT FROM DAYLIGHT RESPONSIVE CONTROLS.
- 4 CONTRACTOR TO VERIFY IF EMERGENCY LIGHTING AND EXIT SIGNAGE EXIST WITHIN AREA OF WORK AND ARE IN PROPER WORKING ORDER, CLEAN AND REPLACE AS REQUIRED. IF NONE IN SPACE PROVIDE EMERGENCY LIGHTING AND EXIT LIGHTING AS SHOWN. COORDINATE EXACT LOCATIONS AND SPECIFICATIONS WITH ARCHITECT PRIOR TO BID.

| | | |
|-----|------------|------------|
| Ⓢ | Addendum A | 07/13/2021 |
| | For Review | 06/10/2021 |
| No. | Issued | Date |



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5309 McPherson Blvd.
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Fort Worth, Texas 76123

Project ID: 17-1045-L079

Sheet Title
Lighting Floor Plan

Sheet Number © 2021

E1.01

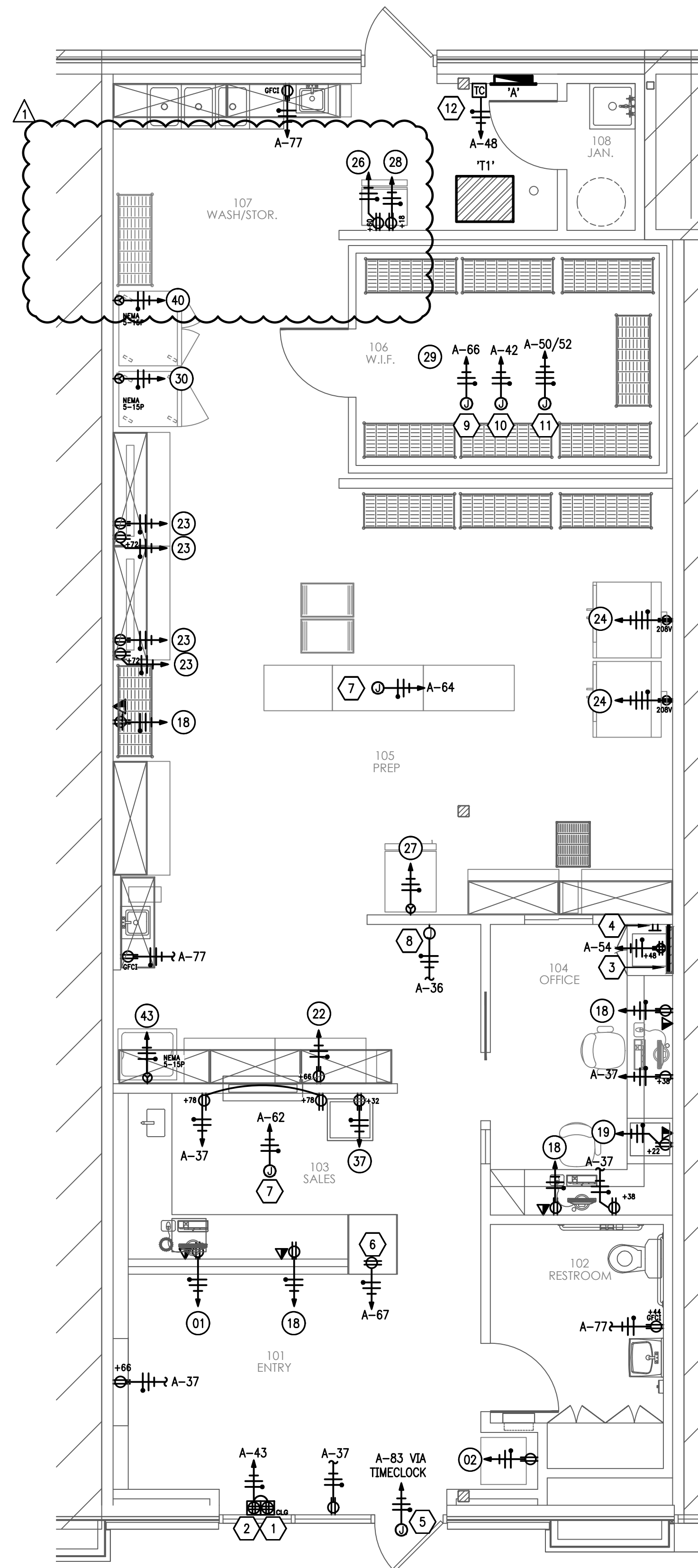
| KITCHEN EQUIPMENT SCHEDULE | | | | | | | | | | | |
|----------------------------|--------------------------------------|-----|-----|------|------|-----------|-------|-------------------------|--------------------|------------|-------------|
| TAG | EQUIPMENT DESCRIPTION | QTY | HP | KW | AMPS | VOLTAGE | PHASE | CKT NUMBER | CONDUCTOR | CONDUIT | TERMINATION |
| 01 | CASH DRAWER | 1 | NA | 0.4 | 3.0 | 120 | 1 | A-29 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 02 | DRINK GLASS DOOR REFRIGERATOR | 1 | - | 0.2 | 1.3 | 120 | 1 | A-31 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 18 | COMPUTER | 4 | - | 0.2 | 1.5 | 120 | 1 | A-11,13,65,67 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 19 | PRINTER | 1 | - | 0.2 | 1.5 | 120 | 1 | A-73 | (2) #10 & (1) #10G | 3/4" | NEMA-5-20R |
| 22 | 36" OVERHEAD FOOD WARMER | 1 | - | 0.8 | 6.9 | 120 | 1 | A-25 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 23 | 48" OVERHEAD FOOD WARMER | 4 | - | 1.1 | 9.2 | 120 | 1 | A-1,5,7,61 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 24 | DOUBLE DECK ELECTRIC CONVECTION OVEN | 2 | - | 25.0 | 60.0 | 208 | 3 | A-12/14/16 & A-20/22/24 | (3) #8 & (1) #8G | 1/1/4" | - |
| 26 | MICROWAVE | 1 | - | 1.6 | 13.2 | 120 | 1 | A-17 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 27 | SINGLE DOOR REACH-IN REFRIGERATOR | 1 | - | 1.8 | 15.0 | 120 | 1 | A-56 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 28 | UNDERCOUNTER REFRIGERATOR | 1 | - | 0.2 | 1.3 | 120 | 1 | A-71 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 29 | WALK-IN COOLER COMPRESSOR | 1 | - | - | - | 208 | 1 | A-30/32 | (3) #8 & (1) #10G | - | - |
| 30 | MILK COOLER | 1 | NA | 0.4 | 3.3 | 120 | 1 | A-23 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 37 | CONVENTION OVEN | 1 | N/A | 1.7 | 14.0 | 120 | 1 | A-19 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 40 | FREEZER | 1 | N/A | 1.6 | 2.2 | 120 | 1 | A-36 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R |
| 43 | FREEZER | 1 | N/A | 1.6 | 2.2 | 120 <td 1 | A-59 | (2) #12 & (1) #12G | 3/4" | NEMA-5-20R | |

NOTES:

- CONTRACTOR TO VERIFY FINAL CONNECTION DEVICES AND HEIGHTS WITH FINAL EQUIPMENT PROVIDED BY OTHERS.
- COORDINATE FINISH OF WIRING DEVICE COVER PLATES WITH WITH OWNER AND ARCHITECT PRIOR TO PURCHASE.
- CONTRACTOR SHALL PROVIDE WIRING AND CONDUIT FOR CONTROL OF EXHAUST FANS AND MAKE-UP AIR FANS.
- INTERCONNECT HOOD EXHAUST AND SUPPLY FAN SWITCH SO THAT ONE FAN CAN NOT BE ON WITHOUT THE OTHER FAN BEING ON.
- PROVIDE ALL NECESSARY CONNECTIONS TO SHUNT-TRIP BREAKERS FOR UNDER-HOOD EQUIPMENT. COORDINATE BETWEEN TRADES PRIOR TO ELECTRICAL ROUGH-IN.
- PROVIDE SWITCH AND POWER FOR HOOD LIGHTS AND RELAY CONTROLS. COORDINATE BETWEEN TRADES PRIOR TO ELECTRICAL ROUGH-IN.
- ALL CIRCUIT BREAKERS SERVING EQUIPMENT AND/OR RECEPTACLES BELOW KITCHEN HOOD SHALL BE SHUNT TRIPPED.
- CONTRACTOR TO PROVIDE ALL CONDUIT, WIRING, AND CIRCUITRY FOR EQUIPMENT. VERIFY EXACT LOCATION IN FIELD WITH OWNER AND GENERAL CONTRACTOR PRIOR TO BID AND ROUGH-IN.
- ALL EQUIPMENT SHOWN TAGGED WITH ()

KEY NOTES:

- SHOW WINDOW RECEPTACLE MOUNTED TO WITHIN 18" THE TOP OF THE SHOW ROOM WINDOW. CONTRACTOR TO COMPLY WITH NEC SECTION 210.62. COORDINATE EXACT LOCATION ON SITE PRIOR TO ROUGH-IN.
- SWITCHED RECEPTACLE FOR "OPEN/CLOSE" SIGNAGE. CONTRACTOR TO COORDINATE CONTROL OF RECEPTACLE WITH TIMECLOCK OR A SWITCH. IF A SWITCH, COORDINATE LOCATION. COORDINATE EXACT RECEPTACLE LOCATION PRIOR TO BID.
- PROVIDE UL-LABELED FIRE-RETARDANT PLYWOOD BACKBOARD FOR TELEPHONE/DATA EQUIPMENT. ROUTE NEW 2" CONDUIT WITH PULL STRINGS FROM TENANT'S PHONE BOARD TO TELEPHONE PEDESTAL DEMARCATION ON EXTERIOR OF BUILDING. CONDUIT TO BE LABELED WITH SUITE NUMBER AT J-BOX. COORDINATE ROUTING WITH ARCHITECT PRIOR TO BID. VERIFY BACKBOARD AND CONDUIT SIZE WITH TENANT I.T. CONSULTANT. VERIFY EXACT LOCATION WITH TENANT PRIOR TO BID.
- CONTRACTOR TO INSTALL WALL MOUNTED COPPER GROUND BAR AS SHOWN. ROUTE 1-#6 INSULATED GROUND WIRE FROM BUILDING GROUND RISER TO GROUND BAR. COORDINATE EXACT LOCATION OF BAR AND BRANCH GROUND WIRING REQUIREMENTS OUT FROM BAR WITH TENANT PRIOR TO PURCHASE AND INSTALLATION.
- CONTRACTOR TO PROVIDE AND INSTALL JUNCTION BOX FOR EXTERIOR TENANT LOGO SIGNAGE. COORDINATE WITH SIGN MANUFACTURE FOR ELECTRICAL REQUIREMENTS PRIOR TO BID. VERIFY EXACT LOCATION, ELEVATION AND SWITCHING CONTROL WITH ARCHITECT PRIOR TO BID AND ROUGH-IN.
- PROVIDE AND INSTALL DUPLEX OUTLET FOR TENANTS DISPLAY CASE. INTERLOCK WITH DEDICATED SWITCH. VERIFY EXACT LOCATION, REQUIREMENTS, AND ELEVATION WITH ARCHITECT PRIOR TO BID AND ROUGH-IN.
- CONTRACTOR TO PROVIDE SPARE HOMERUN IN JUNCTION BOX ABOVE CEILING TO INDICATED PANEL. VERIFY EXACT LOCATION, ELEVATION AND SWITCHING CONTROL WITH ARCHITECT PRIOR TO BID. VERIFY EXACT LOCATION, REQUIREMENTS, AND ELEVATION WITH ARCHITECT PRIOR TO BID AND ROUGH-IN.
- PROVIDE AND INSTALL JUNCTION BOX FOR TENANTS SIGNAGE. JUNCTION BOX TO BE TIED TO LIGHT SWITCH. VERIFY EXACT LOCATION, REQUIREMENTS, ELEVATION, AND SWITCHING CONTROL WITH ARCHITECT PRIOR TO BID AND ROUGH-IN.
- HEAT TRACE TAPE CKT. SHALL BE PROTECTED BY GFCI RATED CKT BREAKER PER NEC 427.22. COORDINATE ELECTRICAL REQUIREMENTS WITH COOLER MANUFACTURER PRIOR TO ROUGH IN.
- HEAT TRACE TAPE CKT. SHALL BE PROTECTED BY GFCI RATED CKT BREAKER PER NEC 427.22. COORDINATE ELECTRICAL REQUIREMENTS WITH COOLER MANUFACTURER PRIOR TO ROUGH IN.
- WALK IN COOLER EVAP UNIT COOLER. COORDINATE ELECTRICAL REQUIREMENTS WITH COOLER MANUFACTURER PRIOR TO ROUGH-IN.
- ASTRONOMICAL TIMECLOCK WITH 10 HR BATTERY BACKUP. VERIFY EXACT LOCATION, REQUIREMENTS, AND ELEVATION WITH ARCHITECT PRIOR TO BID AND ROUGH-IN.



NORTH
 1 FLOOR PLAN - POWER
 SCALE 1/4" = 1'-0"

GENERAL NOTES:

- ALL CIRCUIT NUMBERS SHOWN FOR LOCATION AND QUANTITY ONLY. VERIFY EXACT NUMBERS IN FIELD. CONTRACTOR SHALL INSTALL EQUIPMENT SHOWN IN RISER DIAGRAM ON SHEET E- TO PROVIDE REQUIRED CIRCUITS. PRICE THE INSTALLATION OF NEW EQUIPMENT WHEN SUBMITTING BID. COORDINATE EXACT LOCATION OF NEW EQUIPMENT WITH BUILDING ENGINEER PRIOR TO INSTALLATION. CONTACT AOS-ENGINEERING IF DISCREPANCY OCCURS. UPDATE PANEL SCHEDULES WHEN WORK IS COMPLETED.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL SYMBOL LEGENDS, DEMOLITION, CONSTRUCTION NOTES AND POWER SPECIFICATIONS.
- CONTRACTOR IS TO FIELD VERIFY EXACT LOCATION OF EXISTING PANELBOARDS AND ROUTING OF BRANCH CIRCUITS WITH BUILDING ENGINEER PRIOR TO SUBMITTING BID.
- TURN OFF ALL "SPARE" CIRCUIT BREAKERS AND LABEL.
- COORDINATE ELEVATION AND LOCATION OF ALL RECEPTACLES AND TELE/DATA DEVICES WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS AND EQUIPMENT INSTALLATION DRAWINGS.
- ALL 120-VOLT AND 277-VOLT BRANCH CIRCUITS SHALL BE 3-WIRE (HOT, NEUTRAL AND GROUND). WHERE HOMERUN IS SHOWN TO SERVE A SINGLE DEVICE, THE BRANCH CIRCUIT SHALL HAVE DEDICATED GROUND AND NEUTRAL CONDUCTORS.
- LABEL ALL ELECTRICAL OUTLETS TO SHOW PANEL CIRCUIT DESIGNATION WITH PRINTED LABEL TAPE.
- PROVIDE DEEP DOUBLE GANG JUNCTION BOX WITH SINGLE GANG PLASTER RING WITH (1) 2" CONDUIT, NON-SPLIT WIRE LOOM FROM EACH TELEPHONE, DATA OR COMMUNICATION OUTLET INDICATED, TO ABOVE ACCESSIBLE CEILING AND CAP. CONDUIT SHALL INCLUDE 1/4" POLYPROPYLENE PULL WIRE INSTALLED IN EMPTY CONDUIT. VERIFY CONDUIT REQUIREMENTS WITH ARCHITECT PRIOR TO BID.
- ALL LOW VOLTAGE CABLING SHALL BE HUNG AND SECURED VIA J-HOOKS (CABOFIL CJ OR C/HP) OR CABLE TRAYS (CABOFIL CT105), OR APPROVED EQUALS. CONTRACTOR TO SUSPEND WIRE TO STRUCTURE AS HIGH AS POSSIBLE. COORDINATE EXACT ROUTING PATHWAYS WITH ARCHITECT. COORDINATE MOUNTING EQUIPMENT SELECTIONS WITH ARCHITECT PRIOR TO BID.
- CONTRACTOR TO PROVIDE CODE MINIMUM FIRE ALARM SYSTEM. INSTALLATION SHALL MEET ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES. VERIFY ALL FIRE ALARM DEVICE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLING BOXES.
- ALL RECEPTACLES WITHIN 6' OF A SINK TO BE GFCI PROTECTED. ALL ABOVE COUNTER BREAK ROOM AND VENDING MACHINE RECEPTACLES ARE TO BE GFCI PROTECTED. WHERE THE RECEPTACLES ARE HIDDEN FROM PLAIN SIGHT BEHIND AN APPLIANCE, THE CIRCUIT BREAKERS FEEDING THE RECEPTACLES IN QUESTION ARE TO BE GFCI BREAKERS. WHEN JURISDICTIONS REQUIRE ACCESSIBLE GFCI LOCATION PROVIDE AND INSTALL 20 AMP FEED-THROUGH GFCI OUTLET, LEVITON X7590-W, OR APPROVED EQUALS. COORDINATE LOCATION OF FEED-THROUGH GFCI WITH ARCHITECT PRIOR TO BID AND ROUGH-IN.
- ALL FLOOR CORES TO UTILIZE "LINK-SEAL" WHERE CONDUIT PENETRATES FLOOR. COORDINATE WITH ARCHITECT AND BUILDING ENGINEER FOR EXACT SPECIFICATIONS.
- CONTRACTOR SHALL DETERMINE THE EXISTING STRUCTURAL SYSTEM PRIOR TO CUTTING, DRILLING, OR CORING. CONTRACTOR SHALL INCLUDE BID FOR GROUND PENETRATING RADAR (GPR) OR X-RAY TO SLAB IN ORDER TO LOCATE EXISTING UTILITIES IN REINFORCED CONCRETE (POST TENSION CABLES, ELECTRIC CABLES, PLUMBING, FIBER OPTICS), IN CONCRETE REBAR, VOIDS, SLABS THICKNESS, AND CONDUITS EMBEDDED IN CONCRETE (SLABS, WALLS, BALCONIES, AND COLUMNS).
- ALL "TV" LOCATIONS SHALL HAVE HUBBELL FLAT PANEL CONNECTION ENCLOSURE #NSAV62M-NSOPS, OR APPROVED EQUAL BEHIND ALL TV LOCATIONS. COORDINATE LOCATIONS, ELEVATIONS AND ALL AV CONNECTION REQUIREMENTS WITH TENANT PRIOR TO ORDER AND INSTALLATION. PROVIDE ELECTRICAL CONNECTION AS INDICATED ON PLANS.
- PROVIDE JUNCTION BOX AND 3/4" CONDUIT WITH PULL STRING TO ACCESSIBLE CEILING FROM ALL SECURITY DEVICE LOCATIONS. PROVIDE 120V POWER TO SECURITY DEVICES AND EQUIPMENT PER SECURITY VENDOR. COORDINATE IN FIELD. INSTALL 3/4" CONDUIT IN WALLS FROM ALL MAG LOCK LOCATIONS TO ABOVE CEILING LINE. ALL DOORS WITH MAG LOCKS/CARD READERS TO HAVE ELECTRIC STRIKES AND HARDWARE. COORDINATE REQUIREMENTS WITH SECURITY VENDOR. VERIFY EXACT LOCATIONS OF DEVICES WITH SECURITY VENDOR PRIOR TO INSTALLATION.
- ALL EXTERIOR SIGNAGE SHALL BE CONTROLLED BY TIMECLOCK. COORDINATE WITH LANDLORD FOR OURS OF OPERATION.
- ALL RECEPTACLES WITHIN KITCHEN SHALL BE GFCI PROTECTED.
- WHERE THE RECEPTACLES ARE HIDDEN FROM PLAIN SIGHT BEHIND AN APPLIANCE, THE CIRCUIT BREAKERS FEEDING THE RECEPTACLES IN QUESTION ARE TO BE GFCI BREAKERS.
- EXPOSED ELECTRICAL CONDUIT SHALL NOT BE ALLOWED WITHIN FOOD PREPARATION AREAS. ALL ELECTRICAL CONDUIT AND SERVICE MUST BE CONCEALED WITHIN THE FINISHED WALLS AND PENETRATE ONLY AT THE POINT OF CONNECTION TO THE EQUIPMENT THAT IT SERVICES.
- COVERPLATES SHALL BE STAINLESS STEEL IN BACK OF HOUSE AND ON THE SERVICE LINE. COVERPLATES SHALL BE WHITE IN FRONT OF HOUSE. VERIFY FINAL COVERPLATE SELECTIONS WITH ARCHITECT PRIOR TO BID AND ROUGH-IN.
- PROVIDE TAMPER RESISTANT RECEPTACLES IN DINING/SALES ROOM.
- PROVIDE CONDUIT, WIRING, AND CIRCUITRY FOR EACH PIECE OF OWNER SUPPLIED EQUIPMENT. INCLUDE ALL RECEPTACLES, DISCONNECT SWITCHES, ETC. AS REQUIRED. SEE EQUIPMENT LIST AND REQUIREMENTS ON THIS SHEET. VERIFY FINAL ELECTRICAL REQUIREMENTS WITH FINAL EQUIPMENT SELECTIONS PROVIDED BY OTHERS. VERIFY EXACT LOCATION IN FIELD WITH OWNER AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN. SITE ELECTRICIAN TO MAKE FINAL ELECTRICAL CONNECTIONS TO ALL KITCHEN EQUIPMENT. NOTIFY ENGINEER OF ANY DISCREPANCIES WITH THE PLANS.
- MAINTAIN ALL FIRE RATINGS WHERE CONDUIT PENETRATES FIRE RATED WALLS. CONTRACTOR TO VERIFY ALL EXISTING ELECTRICAL PENETRATIONS MEET EXISTING RATING(S) OF PENETRATED ROOMS. IF EXISTING PENETRATIONS DO NOT MEET REQUIREMENTS CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY EQUIPMENT TO MEET EXISTING ROOM RATING(S). FINISHED INSTALLATION SHALL MAINTAIN FIRE PROOF, WATER PROOF, AND STRUCTURAL INTEGRITY OF THE SYSTEM PENETRATED.

FIRE ALARM NOTE

THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DESIGN, DESIGN APPROVAL, INSTALLATION AND FINAL ACCEPTANCE BY THE AUTHORITIES HAVING JURISDICTION. FINAL DEVICE QUANTITIES AND LOCATIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.



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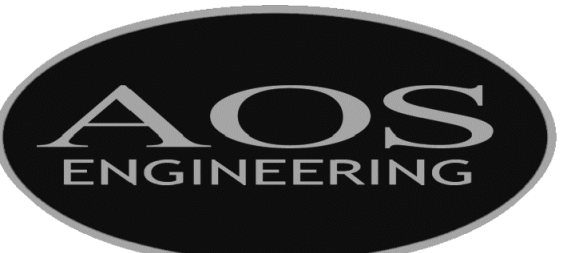
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CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



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AOS JOB # 633-081-21

Addendum A 07/13/2021

For Review 06/10/2021

No. Issued Date



Chisolm Trail Ranch

5309 McPherson Blvd.
 Suite No: 230
 Fort Worth, Texas 76123

Project ID: 17-1045-1079

Sheet Title

Power Floor Plan

Sheet Number

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AOS JOB # 633-081-21

| | |
|------------|------------|
| For Review | 06/10/2021 |
| No. Issued | Date |



Chisolm Trail
Ranch

5309 McPherson Blvd.
Suite No:
Fort Worth, Texas 76123

Project ID: 17-1045-L079

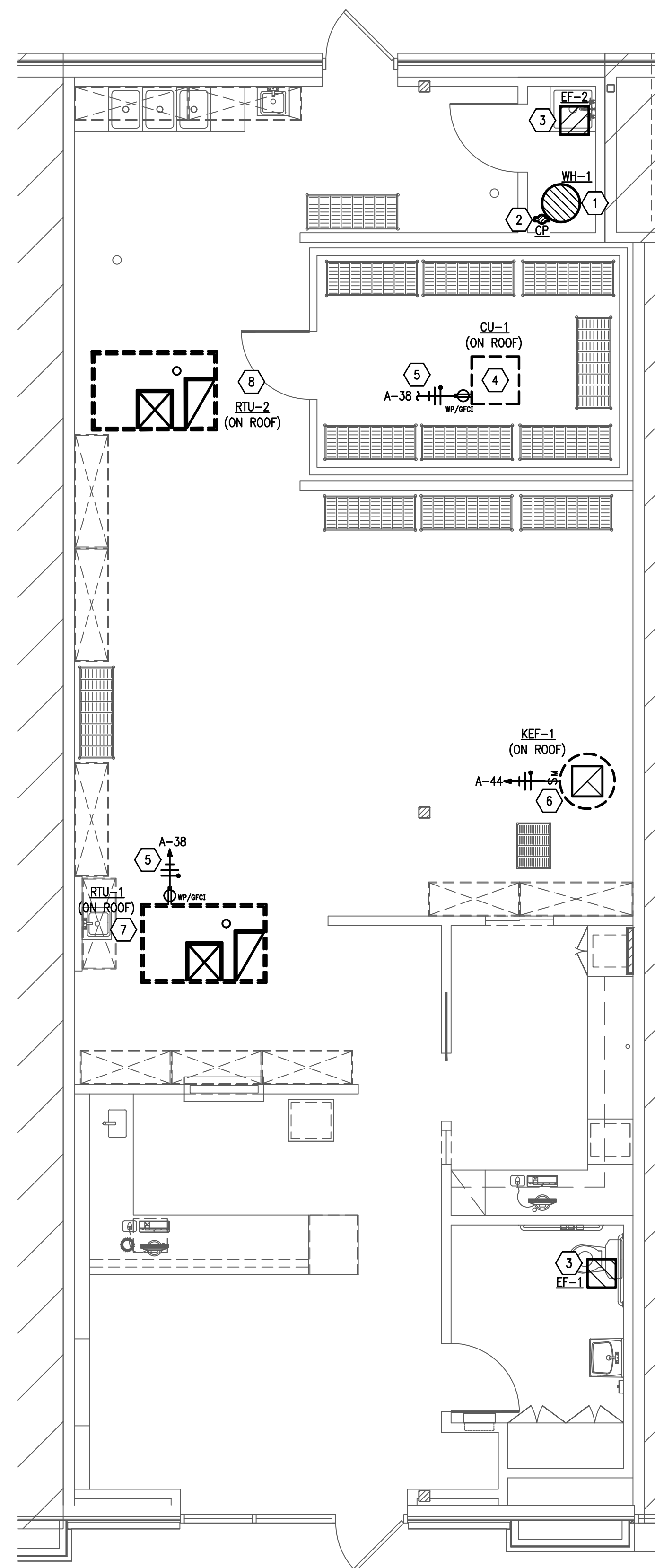
Sheet Title

Mechanical
And Plumbing
Power

Sheet Number

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NORTH
1 MECHANICAL AND PLUMBING - POWER
SCALE 1/8" = 1'-0"

GENERAL NOTES:

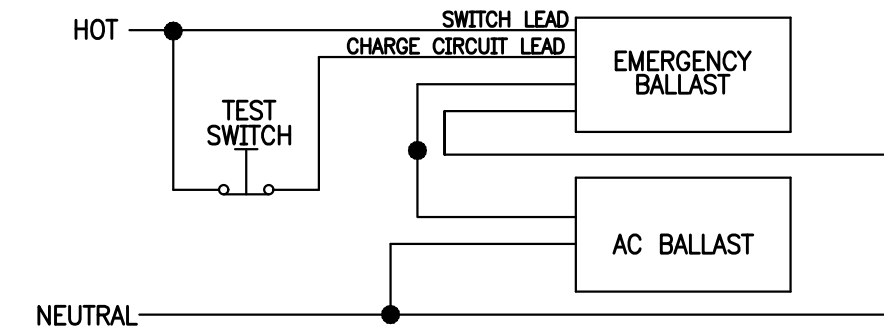
- ALL CIRCUIT NUMBERS SHOWN FOR LOCATION AND QUANTITY ONLY. VERIFY EXACT NUMBERS IN FIELD. CONTRACTOR SHALL INSTALL EQUIPMENT SHOWN IN RISER DIAGRAM ON SHEET E- TO PROVIDE REQUIRED CIRCUITS. PRICE THE INSTALLATION OF NEW EQUIPMENT WHEN SUBMITTING BID. COORDINATE EXACT LOCATION OF NEW EQUIPMENT WITH BUILDING ENGINEER PRIOR TO INSTALLATION. CONTACT AOS-ENGINEERING IF DISCREPANCY OCCURS. UPDATE PANEL SCHEDULES WHEN WORK IS COMPLETED.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL SYMBOL LEGENDS, DEMOLITION, CONSTRUCTION NOTES AND POWER SPECIFICATIONS.
- CONTRACTOR IS TO FIELD VERIFY EXACT LOCATION OF EXISTING PANELBOARDS AND ROUTING OF BRANCH CIRCUITS WITH BUILDING ENGINEER PRIOR TO SUBMITTING BID.
- TURN OFF ALL "SPARE" CIRCUIT BREAKERS AND LABEL.
- COORDINATE ELEVATION AND LOCATION OF ALL RECEPTACLES AND TELE/DATA DEVICES WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS AND EQUIPMENT INSTALLATION DRAWINGS.
- ALL 120-VOLT AND 277-VOLT BRANCH CIRCUITS SHALL BE 3-WIRE (HOT, NEUTRAL AND GROUND). WHERE HOMERUN IS SHOWN TO SERVE A SINGLE DEVICE, THE BRANCH CIRCUIT SHALL HAVE DEDICATED GROUND AND NEUTRAL CONDUCTORS.
- LABEL ALL ELECTRICAL OUTLETS TO SHOW PANEL CIRCUIT DESIGNATION WITH PRINTED LABEL TAPE.
- PROVIDE DEEP DOUBLE GANG JUNCTION BOX WITH SINGLE GANG PLASTER RING WITH (1) 2" CONDUIT, NON-SPLIT WIRE LOOM FROM EACH TELEPHONE, DATA OR COMMUNICATION OUTLET INDICATED, TO ABOVE ACCESSIBLE CEILING AND CAP. CONDUIT SHALL INCLUDE 1/4" POLYPROPYLENE PULL WIRE INSTALLED IN EMPTY CONDUIT. VERIFY CONDUIT REQUIREMENTS WITH ARCHITECT PRIOR TO BID.
- ALL LOW VOLTAGE CABLING SHALL BE HUNG AND SECURED VIA J-HOOKS (CABOLFIL CJ OR CJHP) OR CABLE TRAYS (CABOLFIL CF10S), OR APPROVED EQUALS. CONTRACTOR TO SUSPEND WIRE TO STRUCTURE, AS HIGH AS POSSIBLE. COORDINATE EXACT ROUTING PATHWAYS WITH ARCHITECT. COORDINATE MOUNTING EQUIPMENT SELECTIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
- CONTRACTOR TO PROVIDE CODE MINIMUM FIRE ALARM SYSTEM. INSTALLATION SHALL MEET ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES. VERIFY ALL FIRE ALARM DEVICE LOCATIONS WITH ARCHITECT PRIOR TO INSTALLING BOXES.
- ALL FLOOR CORES TO UTILIZE "LINK-SEAL" WHERE CONDUIT PENETRATES FLOOR. COORDINATE WITH ARCHITECT AND BUILDING ENGINEER FOR EXACT SPECIFICATIONS.
- CONTRACTOR SHALL DETERMINE THE EXISTING STRUCTURAL SYSTEM PRIOR TO CUTTING, DRILLING, OR CORING. CONTRACTOR SHALL INCLUDE BID FOR GROUND PENETRATING RADAR (GPR) OR X-RAY TO SLAB IN ORDER TO LOCATE EXISTING UTILITIES IN REINFORCED CONCRETE (POST TENSION CABLES, ELECTRIC CABLES, PLUMBING, FIBER OPTICS), IN CONCRETE REBAR, VOIDS, SLABS, THICKNESS, AND CONDUITS EMBEDDED IN CONCRETE (SLABS, WALLS, BALCONIES, AND COLUMNS).
- COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTOR FOR ALL EQUIPMENT BEING REMOVED. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE BRANCH CIRCUITING BACK TO SOURCE. REFER TO MEP COVER SHEET FOR DEMOLITION NOTES AND REQUIREMENTS.
- VERIFY EXACT LOCATION OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING CONTRACTOR PRIOR TO INSTALLATION.
- EXPOSED ELECTRICAL CONDUIT SHALL NOT BE ALLOWED WITHIN FOOD PREPARATION AREAS. ALL ELECTRICAL CONDUIT AND SERVICE MUST BE CONCEALED WITHIN THE FINISHED WALLS AND PENETRATE ONLY AT THE POINT OF CONNECTION TO THE EQUIPMENT THAT IT SERVICES.

KEY NOTES:

- WH-1. CONNECT TO PANEL A-48/50/52, VIA 3#12, 1#12N, 1#12G. IN 3/4" C. PROVIDE 30A/3P DISCONNECT ADJACENT TO WATER HEATER, CONCEAL FROM VIEW. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION.
- CONNECT NEW CIRCULATION PUMP TO, PANEL A-35, VIA 1#12, 1#12N 1#12G. IN 3/4" C. PROVIDE 30A/1P DISCONNECT ADJACENT TO PUMP, AS REQUIRED. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR AND ARCHITECT PRIOR TO ROUGH-IN.
- EF-1, EF-2. CONNECT EXHAUST FAN TO RESTROOM ROOM LIGHTING CIRCUIT SWITCHED HOT LEG. PROVIDE MOTOR RATED SWITCH ADJACENT TO FAN. PROVIDE 277V TO 120V STEP DOWN TRANSFORMER AS REQUIRED. COORDINATE LOCATION AND SPECIFICATIONS WITH ARCHITECT AND MECHANICAL CONTRACTOR.
- WALK IN COOLER CONDENSING UNIT. CONNECT TO A-30/32, VIA 2#8, 1#8N, 1#10G IN 3/4" C. PROVIDE (60A/2P/3R) DISCONNECT ADJACENT TO FAN POWER BOX. COORDINATE WITH ARCHITECT/LANDLORD/MECHANICAL FOR EXACT LOCATION PRIOR TO BID AND ROUGH-IN. COORDINATE WITH MANUFACTURE FOR EXACT REQUIREMENTS PRIOR TO BID.
- CONTRACTOR TO VERIFY A WP/GFCI SERVICE RECEPTACLE IS LOCATED WITHIN 25'-0" OF ALL NEW ROOF MOUNTED EQUIPMENT. IF NO SERVICE RECEPTACLE IS WITHIN THIS RANGE CONTRACTOR TO PROVIDE AND INSTALL WP/GFCI RECEPTACLE. COORDINATE WITH MECHANICAL AND ARCHITECT FOR EXACT LOCATION PRIOR TO BID AND ROUGH-IN.
- KEF-1. EXHAUST FAN SHALL BE ROUTED THRU TIMECLOCK TO RUN CONTINUOUS DURING NORMAL BUSINESS HOURS. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT REQUIREMENTS PRIOR TO ROUGH-IN. INSTALL OVERRIDE SWITCH ON WALL LABELED "FAN OVERRIDES" COORDINATE WITH ARCHITECT/TENANT FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- RTU-1. CONNECT TO A-2/4/6, VIA 3#6, 1#6N, 1#10G IN 1" C. PROVIDE (60A/3P/3R) DISCONNECT ADJACENT TO RTU. COORDINATE WITH MECHANICAL FOR EXACT LOCATION.
- RTU-2. CONNECT TO A-55/57/59, VIA 3#2, 1#2N, 1#6G IN 1-1/4" C. PROVIDE (100A/3P/3R) DISCONNECT ADJACENT TO RTU. COORDINATE WITH MECHANICAL FOR EXACT LOCATION.

FIRE ALARM NOTE

THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR DESIGN, DESIGN APPROVAL, INSTALLATION AND FINAL ACCEPTANCE BY THE AUTHORITIES HAVING JURISDICTION. FINAL DEVICE QUANTITIES AND LOCATIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.



UNSWITCHED EMERGENCY/NIGHT LIGHT FIXTURE

GENERAL NOTES:

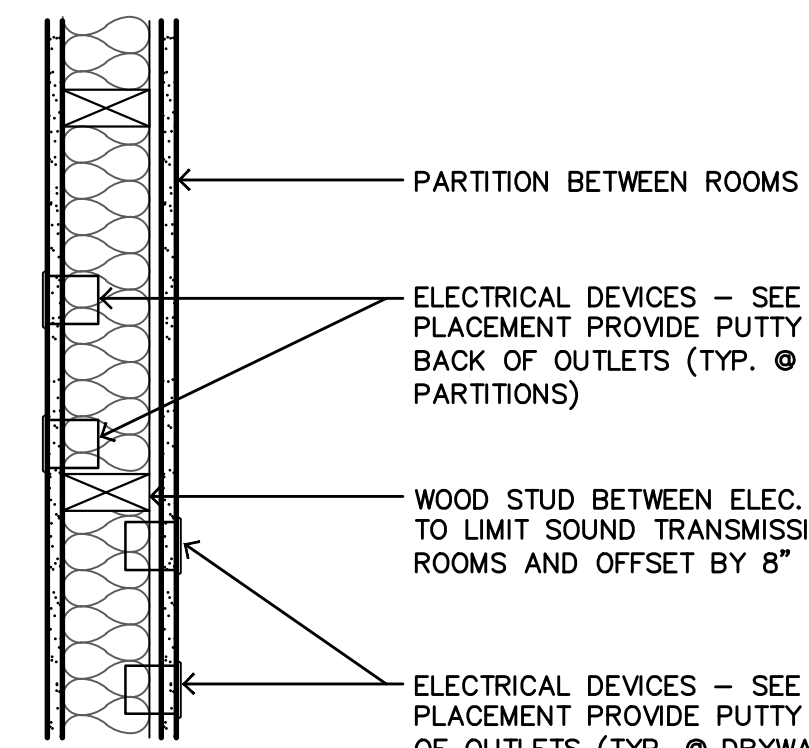
- A. LAMP LEADS NOT SHOWN. CONTRACTOR TO REFER TO BALLAST MANUFACTURER'S WIRING DIAGRAMS PRIOR TO ELECTRICAL INSTALLATION.
- B. CONTRACTOR TO TEST ALL EMERGENCY FIXTURES TO INSURE PROPER OPERATION.
- C. EMERGENCY BALLAST AND AC BALLAST MUST BE FED FROM SAME BRANCH CIRCUIT TO INSURE PROPER OPERATION.

SEQUENCE OF OPERATION:

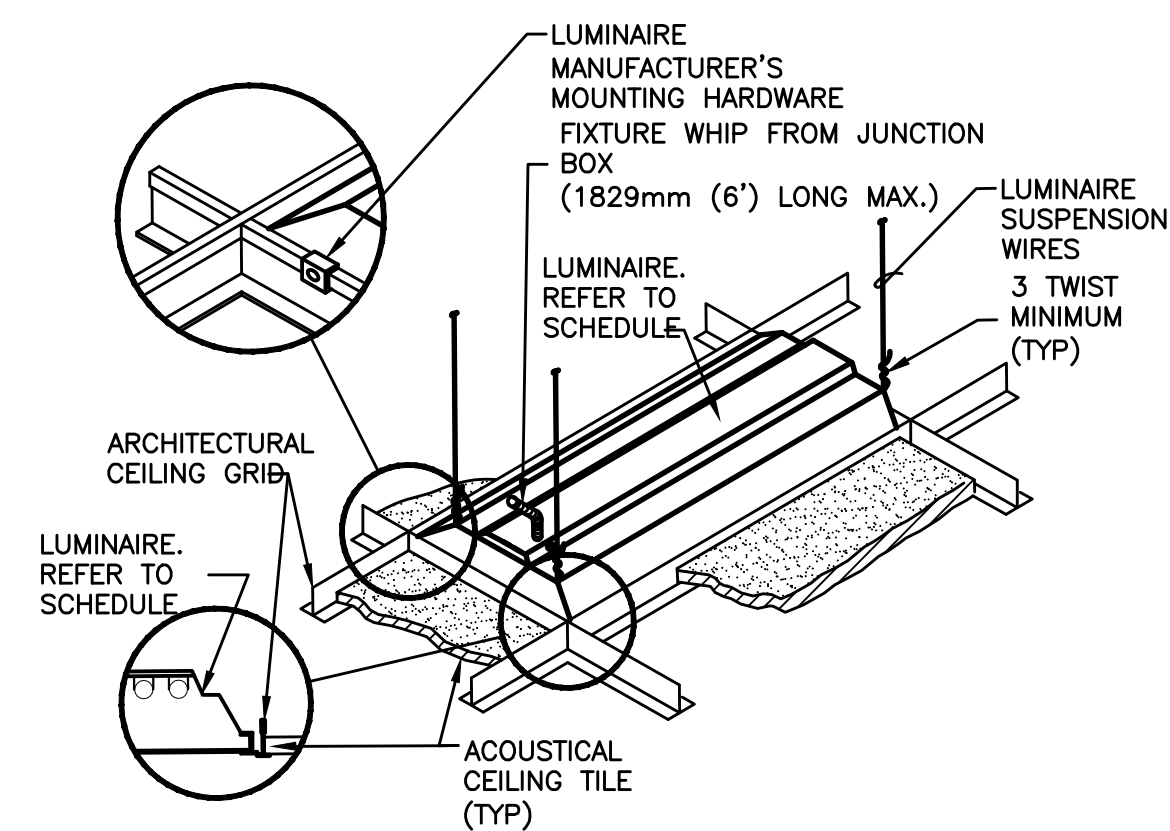
DURING NORMAL AC OPERATION:
 FIXTURE OPERATES AS CONTINUOUSLY ON AC POWER. ALL LAMPS ARE ILLUMINATED AT ALL TIME. THE EMERGENCY BALLAST IS IN STANDBY/CHARGING MODE.

DURING AC POWER FAILURE:
 EMERGENCY BALLAST IMMEDIATELY SWITCHES TO EMERGENCY MODE, KEEPING TWO OR THREE LAMPS ILLUMINATED FOR A MINIMUM OF 90 MINUTES. WHEN AC POWER IS RESTORED, THE EMERGENCY BALLAST AUTOMATICALLY RETURNS TO STANDBY/CHARGING MODE.

2 UNSWITCHED EMERGENCY FIXTURE DETAIL
 SCALE: NONE



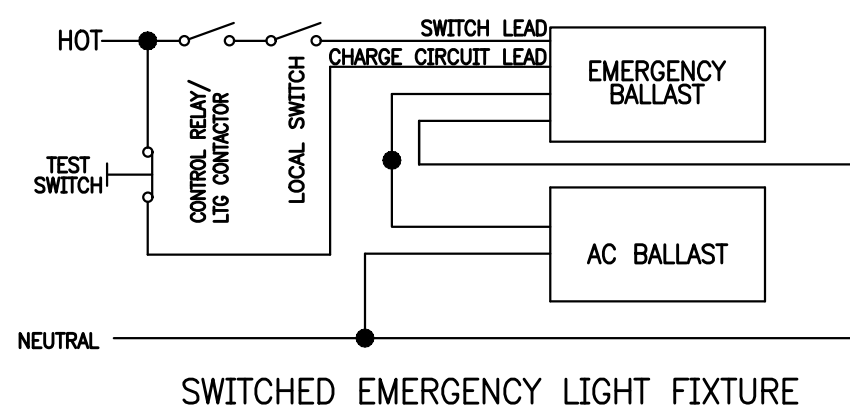
1 ELECTRICAL DEVICE PLACEMENT DETAIL
 SCALE: NONE



GENERAL NOTE:

- 1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

5 LUMINAIRE MOUNTING - LAY-IN CEILING
 SCALE: NONE



SWITCHED EMERGENCY LIGHT FIXTURE

GENERAL NOTES:

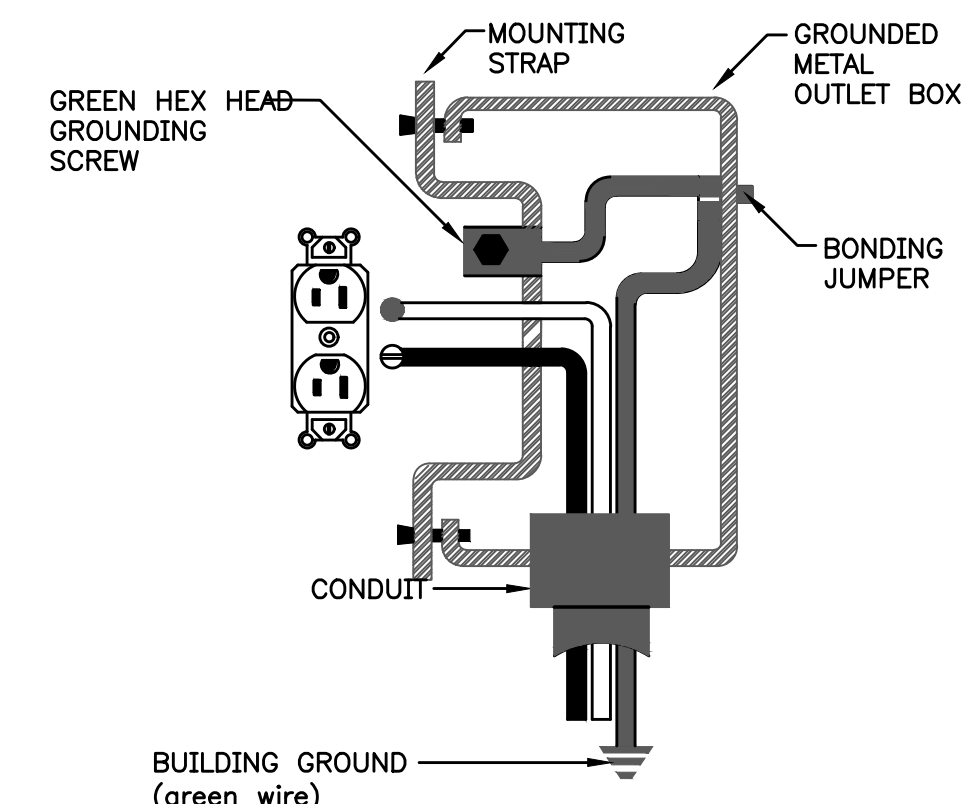
- A. LAMP LEADS NOT SHOWN. CONTRACTOR TO REFER TO BALLAST MANUFACTURER'S WIRING DIAGRAMS PRIOR TO ELECTRICAL INSTALLATION.
- B. CONTRACTOR TO TEST ALL EMERGENCY FIXTURES TO INSURE PROPER OPERATION.
- C. EMERGENCY BALLAST AND AC BALLAST MUST BE FED FROM SAME BRANCH CIRCUIT TO INSURE PROPER OPERATION.
- D. CHARGING LEADS FOR BATTERY BALLAST MUST BE CONNECTED AHEAD OF ALL LIGHTING CONTROLS (I.E. CONTRACTORS, RELAYS, SWITCHES, OCCUPANCY SENSORS, ETC.)

SEQUENCE OF OPERATION:

DURING NORMAL AC OPERATION:
 FIXTURE OPERATES AS STANDARD SWITCHED FIXTURE. NO LAMPS ARE ILLUMINATED WHILE THE SWITCH IS IN THE 'OFF' POSITION. ALL LAMPS ARE ILLUMINATED WHEN THE SWITCH IS IN THE 'ON' POSITION. THE EMERGENCY BALLAST IS IN STANDBY/CHARGING MODE.

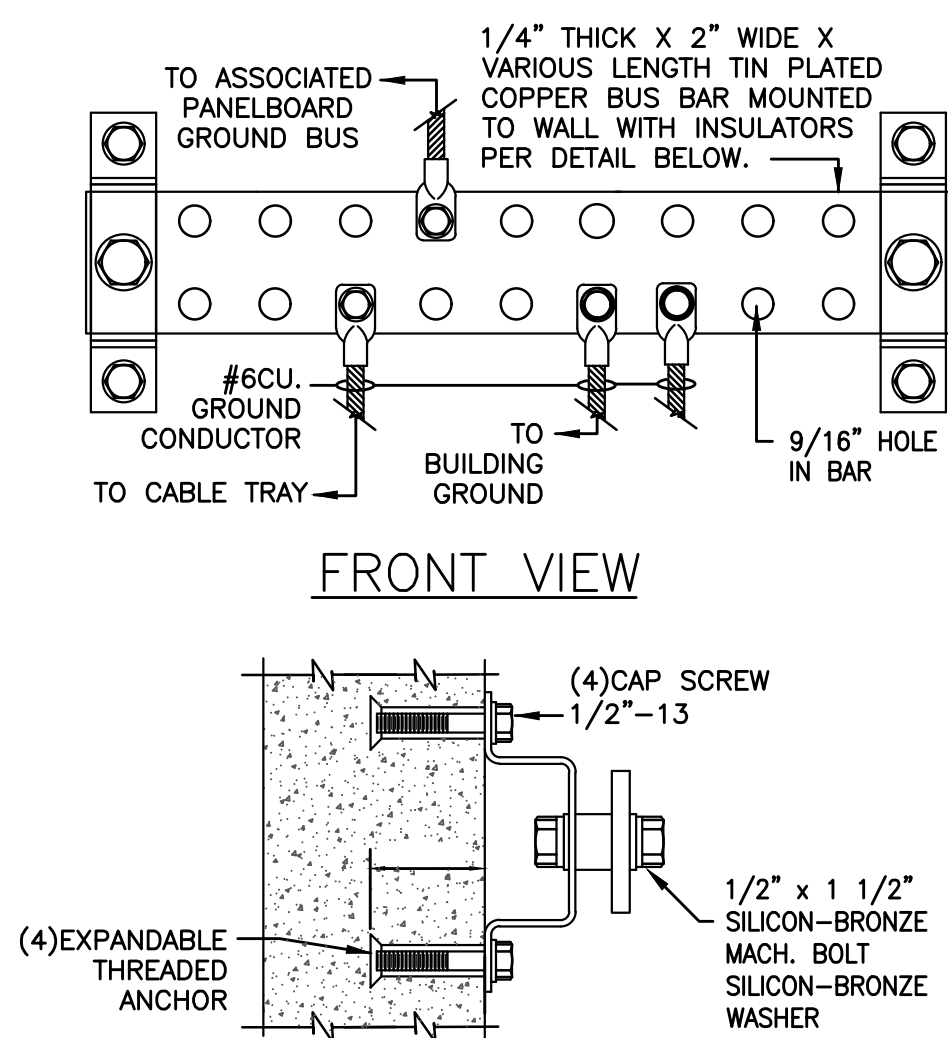
DURING AC POWER FAILURE:
 EMERGENCY BALLAST IMMEDIATELY SWITCHES TO EMERGENCY MODE, KEEPING TWO OR THREE LAMPS ILLUMINATED FOR A MINIMUM OF 90 MINUTES. REGARDLESS OF SWITCH POSITION. WHEN AC POWER IS RESTORED, THE EMERGENCY BALLAST AUTOMATICALLY RETURNS TO STANDBY/CHARGING MODE.

4 SWITCHED EMERGENCY FIXTURE DETAIL
 SCALE: NONE



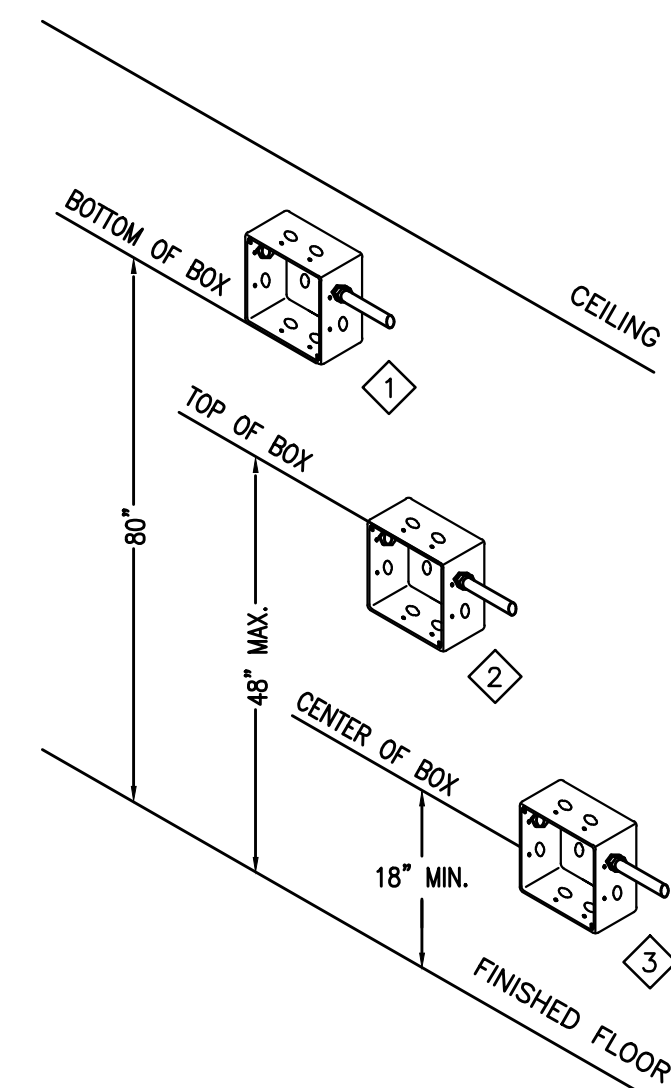
STANDARD GROUND RECEPTACLE

3 RECEPTACLE GROUNDING DETAIL
 SCALE: NONE



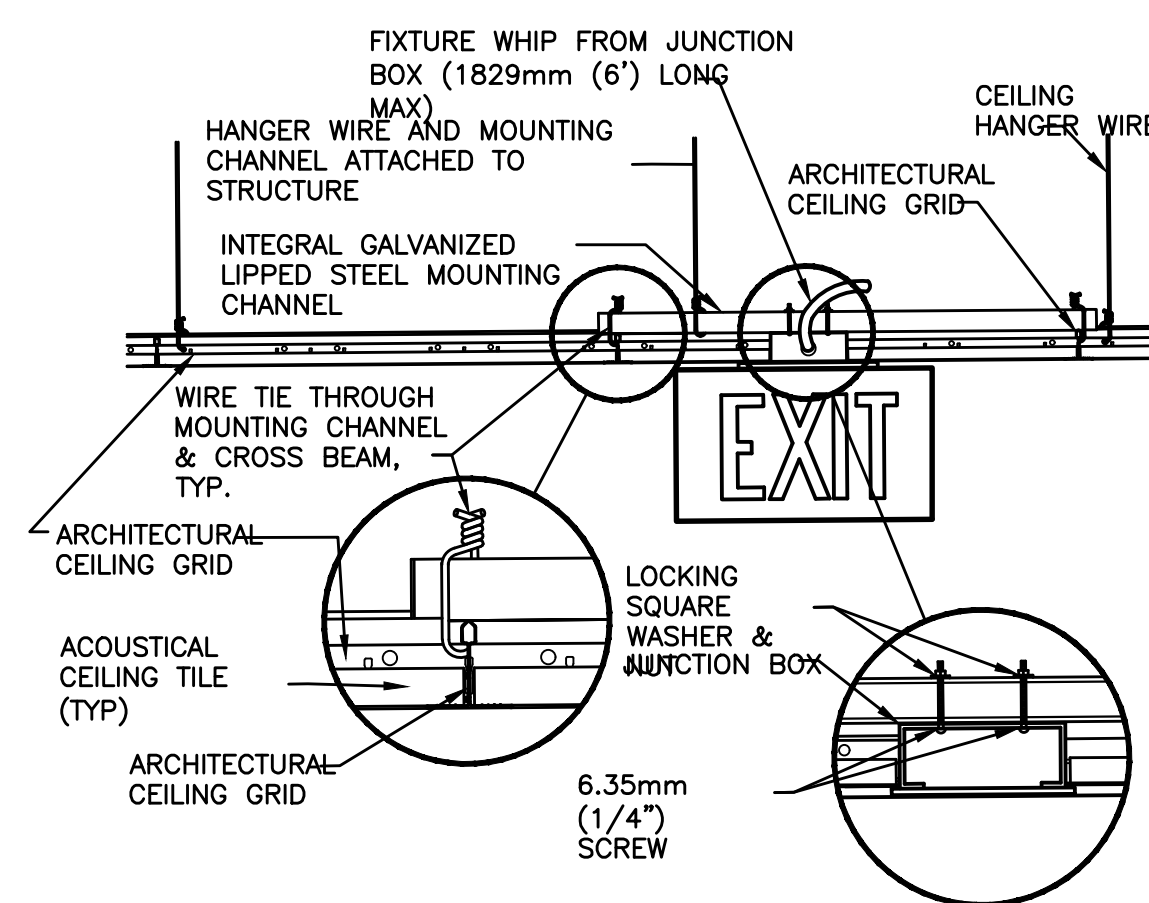
- NOTES:**
- 1. BUS BAR ASSEMBLY SHALL BE EQUAL TO ERICO 'TGB' SERIES.
 - 2. BOND PANELBOARD WHICH SERVICES EQUIPMENT WITHIN ROOM GROUND BUS IS LOCATED.
 - 3. INTERSYSTEM BONDING TERMINATIONS SHALL MEET NEC 250.49

9 TYPICAL GROUND BAR INSTALLATION DETAIL
 SCALE: NONE



- 1 MOUNT 80" TO BOTTOM OF JUNCTION BOX FOR FIRE ALARM HORNS, STROBE LIGHTS AND COMBINATION HORN & STROBE.
- 2 MOUNT 48" TO TOP OF JUNCTION BOX FOR SWITCHES, FIRE ALARM PULL STATIONS AND OTHER CONTROLS (THERMOSTATS, ETC.)
- 3 MOUNT 18" TO CENTER OF JUNCTION BOX FOR RECEPTACLES (ALL TYPES EXCEPT COUNTER TOP MOUNTED), COMPUTER OUTLETS AND TELEPHONE OUTLETS.

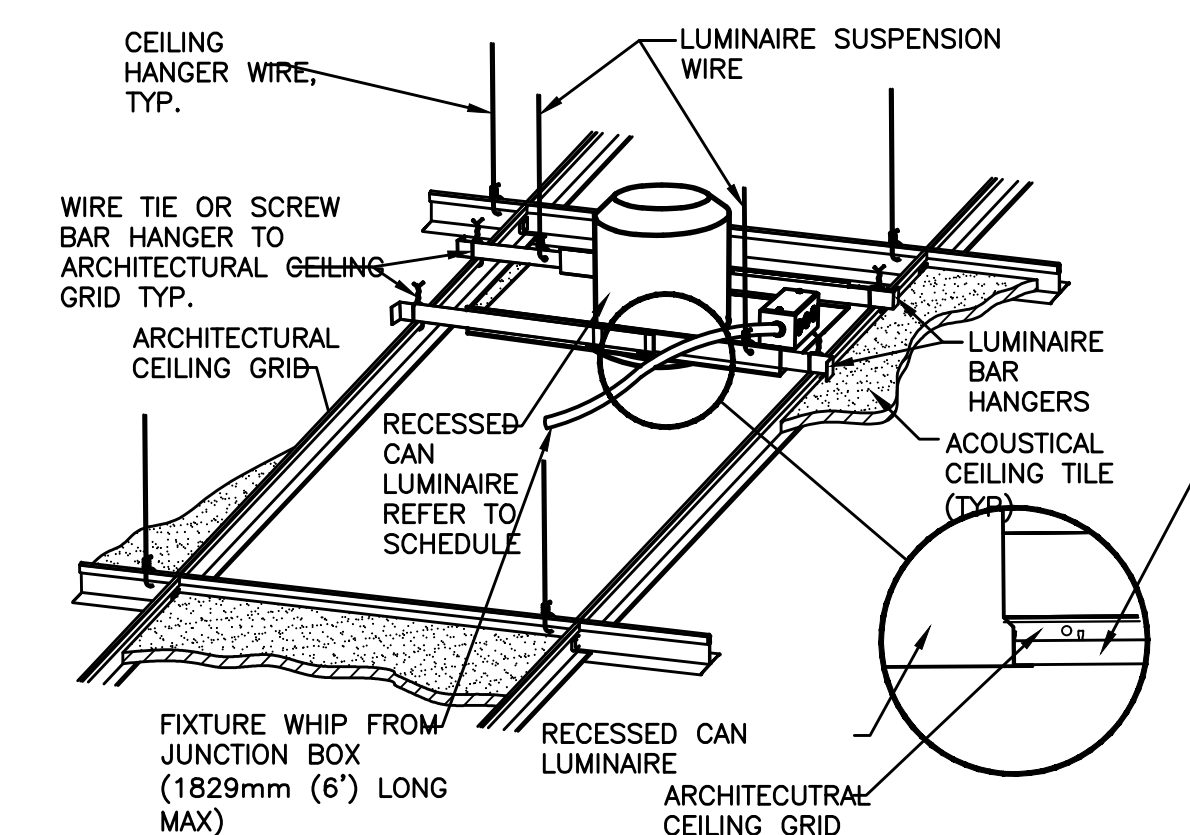
8 ADA REQUIREMENTS DETAIL
 SCALE: NONE



GENERAL NOTE:

- 1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

7 EXIT SIGN MOUNTING - LAY-IN CEILING
 SCALE: NONE



GENERAL NOTE:

- 1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE

6 DOWNLIGHT MOUNTING - LAY-IN CEILING
 SCALE: NONE



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CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



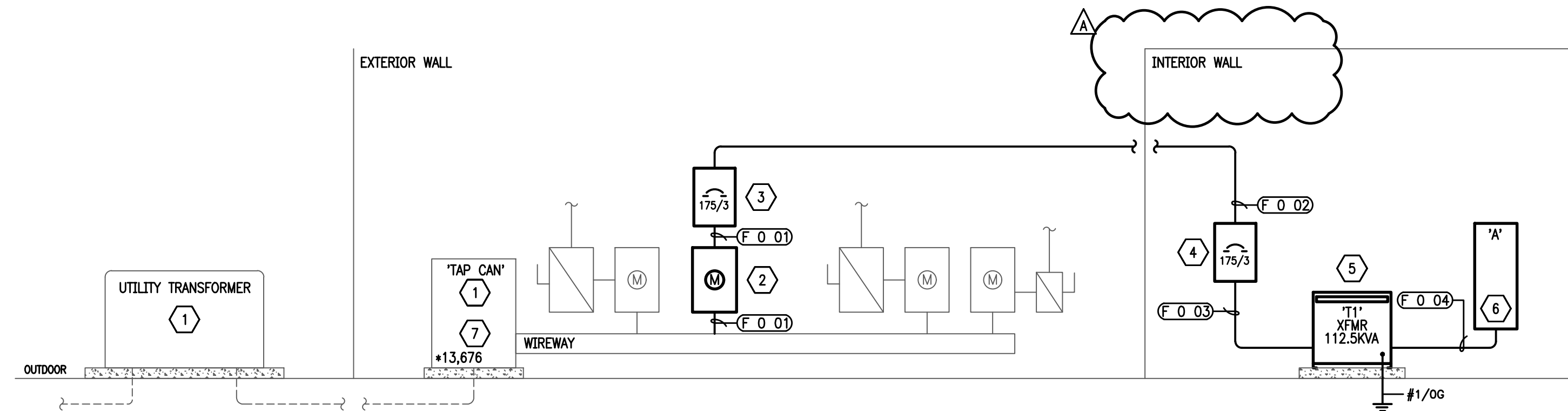
Texas Registered Engineering Firm F-9218
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Dallas / Fort Worth 214.432.3030
Houston 832.532.2007

AOS JOB #: 633-081-21

| PANELBOARD SCHEDULE - 'A' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--------|------|-----------------------|------------|------|-----|-----|-----|-------|------|-----|-----|-----|-------------|-------------|-----------------|-----------------------|------|------|------|------|-----|-----------------------|-------|--------------------|-----------|----------|-------------------|-------|--|--|
| CKT # | TRIP # | POLE | DESCRIPTION | LOAD (KVA) | | | | | PHASE | | | | | DESCRIPTION | TRIP POLE # | CKT # | | | | | | | | | | | | | | | |
| | | | | LTG | REC | MTR | A/C | HTG | HTG | REC | MTR | A/C | HTG | | | | HTG | | | | | | | | | | | | | | |
| 1 | 20/1 | | 48" OVERHEAD WRM 1 | | | | | | | | | | | | | RTU-1 | 50/3 | 2 | | | | | | | | | | | | | |
| 3 | 20/1 | | SPARE | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 5 | 20/1 | | 48" OVERHEAD WRM 2 | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | |
| 7 | 20/1 | | 48" OVERHEAD WRM 2 | | | | | | | | | | | | | SALES DATA REC. | 20/1 | 8 | | | | | | | | | | | | | |
| 9 | 20/1 | | SPARE | | | | | | | | | | | | | SPARE | 20/1 | 10 | | | | | | | | | | | | | |
| 11 | 20/1 | | COMPUTER | 0.2 | | | | | | | | | | | | 8.3 | DOUBLE OVEN | 90/3 | 12 | | | | | | | | | | | | |
| 13 | 20/1 | | COMPUTER | 0.2 | | | | | | | | | | | | 8.3 | | | 14 | | | | | | | | | | | | |
| 15 | 20/1 | | SPARE | | | | | | | | | | | | | 8.3 | | | 16 | | | | | | | | | | | | |
| 17 | 20/1 | | MICROWAVE | | | | | | | | | | | | | 1.6 | SPARE | 20/1 | 18 | | | | | | | | | | | | |
| 19 | 20/1 | | CONVENTION OVEN | | | | | | | | | | | | | 1.7 | DOUBLE OVEN | 90/3 | 20 | | | | | | | | | | | | |
| 21 | 20/1 | | SPARE | | | | | | | | | | | | | 8.3 | | | 22 | | | | | | | | | | | | |
| 23 | 20/1 | | MILK COOLER | | | | | | | | | | | | | 0.5 | | | 24 | | | | | | | | | | | | |
| 25 | 20/1 | | 38" OVERHEAD FOOD WRM | | | | | | | | | | | | | 0.8 | SPARE | 20/1 | 26 | | | | | | | | | | | | |
| 27 | 20/1 | | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 28 | | | | | | | | | | | | |
| 29 | 20/1 | | POS | 0.4 | | | | | | | | | | | | 2.9 | WALK IN REF CONDENSER | 40/2 | 30 | | | | | | | | | | | | |
| 31 | 20/1 | | DRINK GLASS DR. REF. | | | | | | | | | | | | | 1.2 | | | 32 | | | | | | | | | | | | |
| 33 | 20/1 | | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 34 | | | | | | | | | | | | |
| 35 | 20/1 | | CP | | | | | | | | | | | | | 0.5 | FRIDGE | 20/1 | 36 | | | | | | | | | | | | |
| 37 | 20/1 | | RECP. | 1.2 | | | | | | | | | | | | 0.9 | ROOF GFI REC. | 20/1 | 38 | | | | | | | | | | | | |
| 39 | 20/1 | | SIGNAGE | | | | | | | | | | | | | 0.5 | SPARE | 20/1 | 40 | | | | | | | | | | | | |
| 41 | 20/1 | | LIGHTING | | | | | | | | | | | | | 1.0 | WALK IN COOLER | 20/1 | 42 | | | | | | | | | | | | |
| 43 | 20/1 | | OPEN SIGN | | | | | | | | | | | | | 0.5 | NEF-1 | 20/1 | 44 | | | | | | | | | | | | |
| 45 | 20/1 | | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 46 | | | | | | | | | | | | |
| 47 | 20/1 | | SPARE | | | | | | | | | | | | | | TIMECLOCK | 20/1 | 48 | | | | | | | | | | | | |
| 49 | 20/3 | | WH-1 | | | | | | | | | | | | | 2.0 | EVAP UNIT COOLER | 20/2 | 50 | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | | | | | 2.0 | | | 52 | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | | | | 2.0 | IT QUAD REC. | 20/1 | 54 | | | | | | | | | | | | |
| 55 | 100/3 | | RTU-2 | | | | | | | | | | | | | 0.4 | REACH IN REF. | 20/1 | 56 | | | | | | | | | | | | |
| 57 | | | | | | | | | | | | | | | | 0.4 | SPARE | 20/1 | 58 | | | | | | | | | | | | |
| 59 | | | | | | | | | | | | | | | | 0.4 | ALTERNATE COOLER | 20/1 | 60 | | | | | | | | | | | | |
| 61 | 20/1 | | 48" OVERHEAD WRM 1 | | | | | | | | | | | | | 1.1 | SPARE HOMERUN | 20/1 | 62 | | | | | | | | | | | | |
| 63 | 20/1 | | SPARE | | | | | | | | | | | | | 0.5 | SPARE HOMERUN | 20/1 | 64 | | | | | | | | | | | | |
| 65 | 20/1 | | COMPUTER | 0.2 | | | | | | | | | | | | 1.2 | WALK IN COOLER | 20/1 | 66 | | | | | | | | | | | | |
| 67 | 20/1 | | COMPUTER | 0.2 | | | | | | | | | | | | | SPARE | 20/1 | 68 | | | | | | | | | | | | |
| 69 | 20/1 | | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 70 | | | | | | | | | | | | |
| 71 | 20/1 | | UNDER CAB. REF. | | | | | | | | | | | | | 0.2 | SPARE | 20/1 | 72 | | | | | | | | | | | | |
| 73 | 20/1 | | PRINTER | 0.2 | | | | | | | | | | | | | SPARE | 20/1 | 74 | | | | | | | | | | | | |
| 75 | 20/1 | | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 76 | | | | | | | | | | | | |
| 77 | 20/1 | | GFI REC. | | | | | | | | | | | | | 0.5 | SPARE | 20/1 | 78 | | | | | | | | | | | | |
| 79 | 20/1 | | LIGHTING | | | | | | | | | | | | | 1.0 | SPARE | 20/1 | 80 | | | | | | | | | | | | |
| 81 | 20/1 | | SPARE | | | | | | | | | | | | | | SPARE | 20/1 | 82 | | | | | | | | | | | | |
| 83 | 20/1 | | SIGNAGE | | | | | | | | | | | | | 0.5 | SPARE | 20/1 | 84 | | | | | | | | | | | | |
| LIGHTING (KVA): | | | | 0.0 | 0.0 | 3.1 | 1.2 | 7.3 | 25.5 | 12.4 | 8.0 | | | | | 0.0 | 3.8 | 1.2 | 12.6 | 11.3 | 55.0 | 2.0 | CONNECTED LOAD (KVA): | 143.4 | | | | | | | |
| RECEPTACLES (KVA): | | | | 6.9 | | | | | | | | | | | | | | | | | | | | | DEMAND LOAD (KVA): | 119.9 | | | | | |
| MOTORS (KVA): | | | | 2.4 | 54.9 | 0.0 | | | | | | | | | | | | | | | | | | | PHASE A | 55 | 457.8 | | | | |
| A/C (KVA): | | | | 19.9 | 37.8 | 0.0 | | | | | | | | | | | | | | | | | | | PHASE B | 38 | 315.3 | | | | |
| HEATING (KVA): | | | | 36.8 | 50.7 | 0.0 | | | | | | | | | | | | | | | | | | | PHASE C | 51 | 422.3 | | | | |
| KITCHEN (KVA): | | | | 67.4 | | | | | | | | | | | | | | | | | | | | | | SECTS 1+2 | SECT 3+4 | KVA | AMPS | | |
| MISCELLANEOUS (KVA): | | | | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | AMPACTY REQUIRED: | 332.6 | | |

| PANEL 'A' LOAD CALCS | | | |
|----------------------|-------|-----|--------------------|
| LIGHTING | 0.00 | KVA | X 125 % = 0.0 KVA |
| RECEPTACLE | 6.94 | KVA | |
| TOTAL | 6.94 | KVA | |
| 1ST | 10.00 | KVA | X 100 % = 6.9 KVA |
| REMAIN | 0.00 | KVA | X 50 % = 0.0 KVA |
| MOTORS | 2.40 | KVA | X 100 % = 2.4 KVA |
| TOTAL | 2.40 | KVA | |
| LARGEST | 2.40 | KVA | X 125 % = 0.0 KVA |
| REMAIN | 2.40 | KVA | X 100 % = 2.4 KVA |
| A/C | 19.90 | KVA | X 100 % = 19.9 KVA |
| HEATING | 36.80 | KVA | X 100 % = 36.8 KVA |
| LOCKED-OUT LOAD | | KVA | X 100 % = 0.0 KVA |
| KITCHEN | 67.40 | KVA | X 65 % = 43.8 KVA |
| MISCELLANEOUS | 10.00 | KVA | X 100 % = 10.0 KVA |
| TOTAL | | | = 119.9 KVA |

| XFMR 'T1' REQD CALCS | | | |
|----------------------|-------|-----|--------------------|
| LIGHTING | 0.00 | KVA | X 125 % = 0.0 KVA |
| RECEPTACLE | 6.94 | KVA | |
| TOTAL | 6.94 | KVA | |
| 1ST | 10.00 | KVA | X 100 % = 6.9 KVA |
| REMAIN | 0.00 | KVA | X 50 % = 0.0 KVA |
| MOTORS | 2.40 | KVA | X 100 % = 2.4 KVA |
| TOTAL | 2.40 | KVA | |
| LARGEST | 2.40 | KVA | X 125 % = 0.0 KVA |
| REMAIN | 2.40 | KVA | X 100 % = 2.4 KVA |
| A/C | 19.90 | KVA | X 100 % = 19.9 KVA |
| HEATING | 36.80 | KVA | X 100 % = 36.8 KVA |
| LOCKED-OUT LOAD | | KVA | X 100 % = 0.0 KVA |
| KITCHEN | 67.40 | KVA | X 65 % = 43.8 KVA |
| MISCELLANEOUS | 10.00 | KVA | X 100 % = 10.0 KVA |
| TOTAL | | | = 119.9 KVA |



1 ELECTRICAL RISER DIAGRAM

SCALE NONE

| FEEDERS & SERVICES SCHEDULE | | | | | | | | | | | | | | |
|-----------------------------|------------------|---------------------------|--------------------|--------------------|----------------|-----------------|-------------------|------------------|---------------------------|---------|---------|--------------|--------------|----------------------------|
| Designation | Equipment Served | Conductor Ampacity (Amps) | Copper or Aluminum | Length of run (ft) | Number of Runs | Conductor Size | | | Fault Current Calculation | | | | | |
| | | | | | | Phase Conductor | Neutral Conductor | Equipment Ground | Conduit Diameter (in) | I-Value | M Value | XFMR I-Value | XFMR M Value | Calculated Fault Value (*) |
| F 0 01 | DISC.1 | 175 | CU | 15 | 1 set | 3 # 2/0 | 1 # 2/0 | 1 # 6 | 2 | 0.069 | 0.936 | - | - | 12,795 |
| F 0 02 | DISC.2 | 175 | CU | 50 | 1 set | 3 # 2/0 | 1 # 2/0 | 1 # 6 | 2 | 0.215 | 0.823 | - | - | 10,534 |
| F 0 03 | T1 | 175 | CU | 10 | 1 set | 3 # 2/0 | 1 # 2/0 | 1 # 4 | 2 | 0.035 | 0.966 | 4,361 | 0.187 | 4,380 |
| F 0 04 | A | 400 | CU | 20 | 2 sets | 3 # 3/0 | 1 # 3/0 | 1 # 3 | 2 1/2 | 0.028 | 0.972 | - | - | 4,259 |
| F 0 05 | RTU-1 | 50 | CU | 50 | | | | | | 1.139 | 0.468 | - | - | 1,991 |
| F 0 06 | RTU-2 | 100 | CU | 30 | | | | | | 0.223 | 0.818 | - | - | 3,483 |
| F 0 07 | CU-1 | 40 | CU | 25 | | | | | | 0.858 | 0.603 | - | - | 2,569 |

KEY: *CU - COPPER *AL - ALUMINUM

NOTES:
 A. COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)
 B. ALL DISTANCES USED IN CALCULATIONS ARE ASSUMED.
 C. MECHANICAL UNITS SHOWN FOR FAULT CURRENT CALCULATIONS ONLY.
 (+) INDICATES AVAILABLE FAULT CURRENT AT EQUIPMENT BASED ON AIC RATING AS STATED ON EXISTING EQUIPMENT. ALL DISTANCES USED IN CALCULATIONS ARE ASSUMED.

RISER NOTES:

- ELECTRICAL SERVICE TO BE FULLY RATED SYSTEM UNLESS SPECIFIED OTHERWISE, CONTRACTOR TO VERIFY IN FIELD.
- PROVIDE REMAINING SPACES WITH 20A/1P CIRCUIT BREAKERS. TURN OFF ALL CIRCUIT BREAKERS NOT BEING USED AND LABEL "SPARE".
- ANY SHUTDOWN OF EXISTING TENANTS TO ACCOMMODATE THIS WORK SHALL BE COORDINATED WITH BUILDING MANAGEMENT AND ALL WORK SHALL BE COMPLETED AFTER HOURS.
- CONTRACTOR TO UPDATE PANEL LINE CARDS/PANEL SCHEDULES AND PROVIDE NAME PLATES THAT IDENTIFY SUITES SERVED ON ALL EQUIPMENT ONCE WORK IS COMPLETED.
- CONTRACTOR TO PROVIDE PANEL LINE CARDS/PANEL SCHEDULES ONCE WORK IS COMPLETED.
- CONTRACTOR TO PROVIDE NAME PLATES THAT IDENTIFY SUITES SERVED ON ALL ELECTRICAL EQUIPMENT.
- ALL ELECTRICAL SERVICE, DISTRIBUTION, AND METERING EQUIPMENT SHALL HAVE ARC-FLASH HAZARD LABELS PER NEC-110.16. LABELS TO MEET NEC-110.21(B) AND SHALL BE CLEARLY VISIBLE.
- PROVIDE FIELD MARKING OF THE MAXIMUM FAULT CURRENT AT ALL REQUIRED ELECTRICAL AND MECHANICAL EQUIPMENT PER THE NEC 110.24 & 440.10(B).

RISER KEY NOTES:

- EXISTING ELECTRICAL EQUIPMENT TO REMAIN. CLEAN AND REPLACE AS REQUIRED. VERIFY LOCATIONS IN FIELD PRIOR TO BID.
- NEW UTILITY METER. COORDINATE INSTALLATION OF NEW METER WITH UTILITY COMPANY.
- NEW 14K AIC 480V/200A/175AF/3P/3R SERVICE RATED ENCLOSED CIRCUIT BREAKER TO ACCOMMODATE FOR NEW EQUIPMENT.
- NEW 14K AIC 480V/200A/175AF/3P ENCLOSED CIRCUIT BREAKER TO ACCOMMODATE FOR NEW EQUIPMENT.
- PROVIDE AND INSTALL NEW 112.5 KVA TRANSFORMER TO ACCOMMODATE NEW PANELS.
- PROVIDE AND INSTALL NEW PANELBOARD 'A'. COORDINATE LOCATION WITH ARCHITECT AND/OR BUILDING MANAGER/ENGINEER PRIOR TO ROUGH IN.
- (+) INDICATES AVAILABLE FAULT CURRENT AT EQUIPMENT BASED ON RATING AS STATED ON EXISTING EQUIPMENT.

UTILITY CONTACTS:

CONTRACTOR SHALL VERIFY UTILITY REQUIREMENTS, POINTS OF CONNECTION AND MAKE ARRANGEMENTS FOR SERVICE.

ELECTRIC COMPANY:
 ONCOR ENERGY
 C3NCMC@ONCOR.COM
 (888) 222-8045

| | |
|--------------|------------|
| ▲ Addendum A | 07/13/2021 |
| For Review | 06/10/2021 |
| No. Issued | Date |



Chisolm Trail Ranch

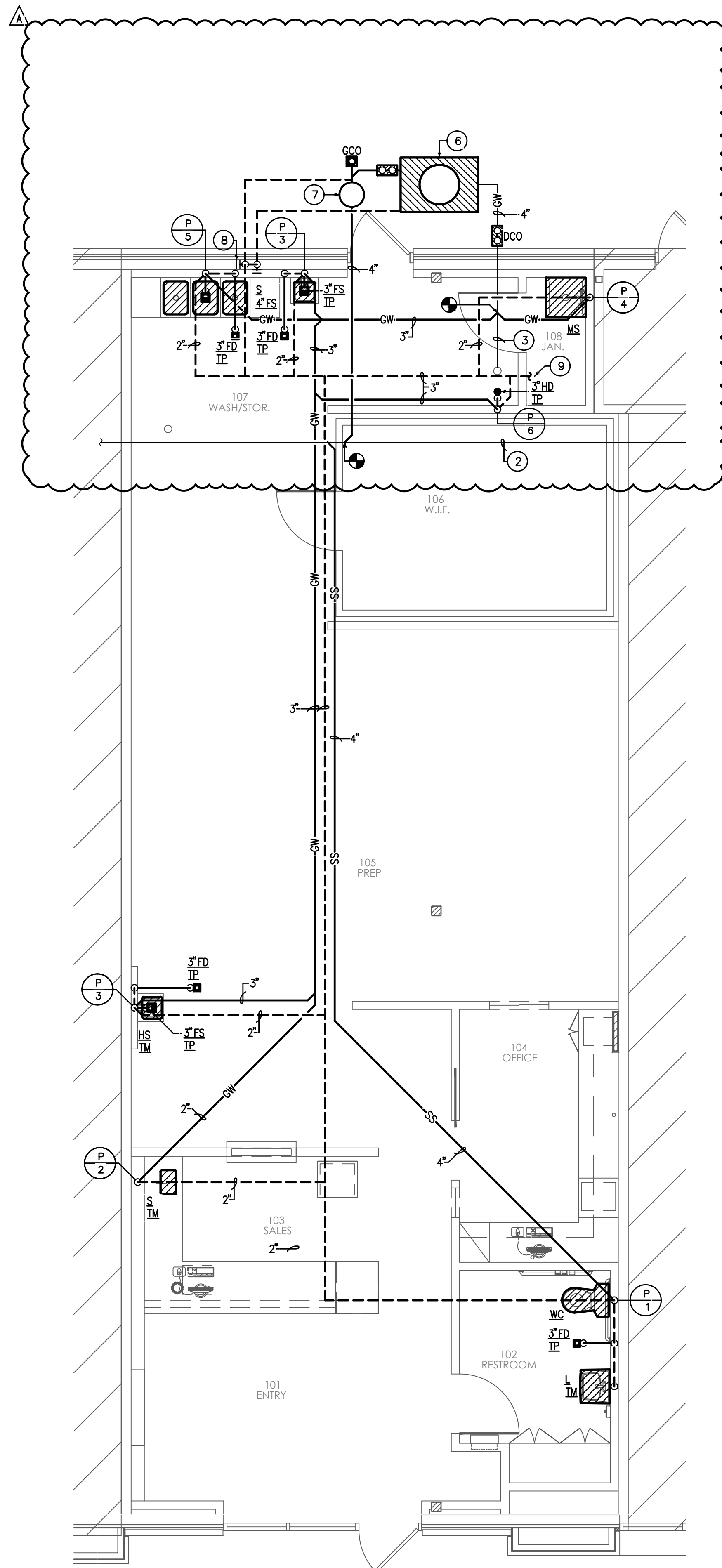
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 Suite No: 230
 Fort Worth, Texas 76123

Project ID: 17-1045-1079

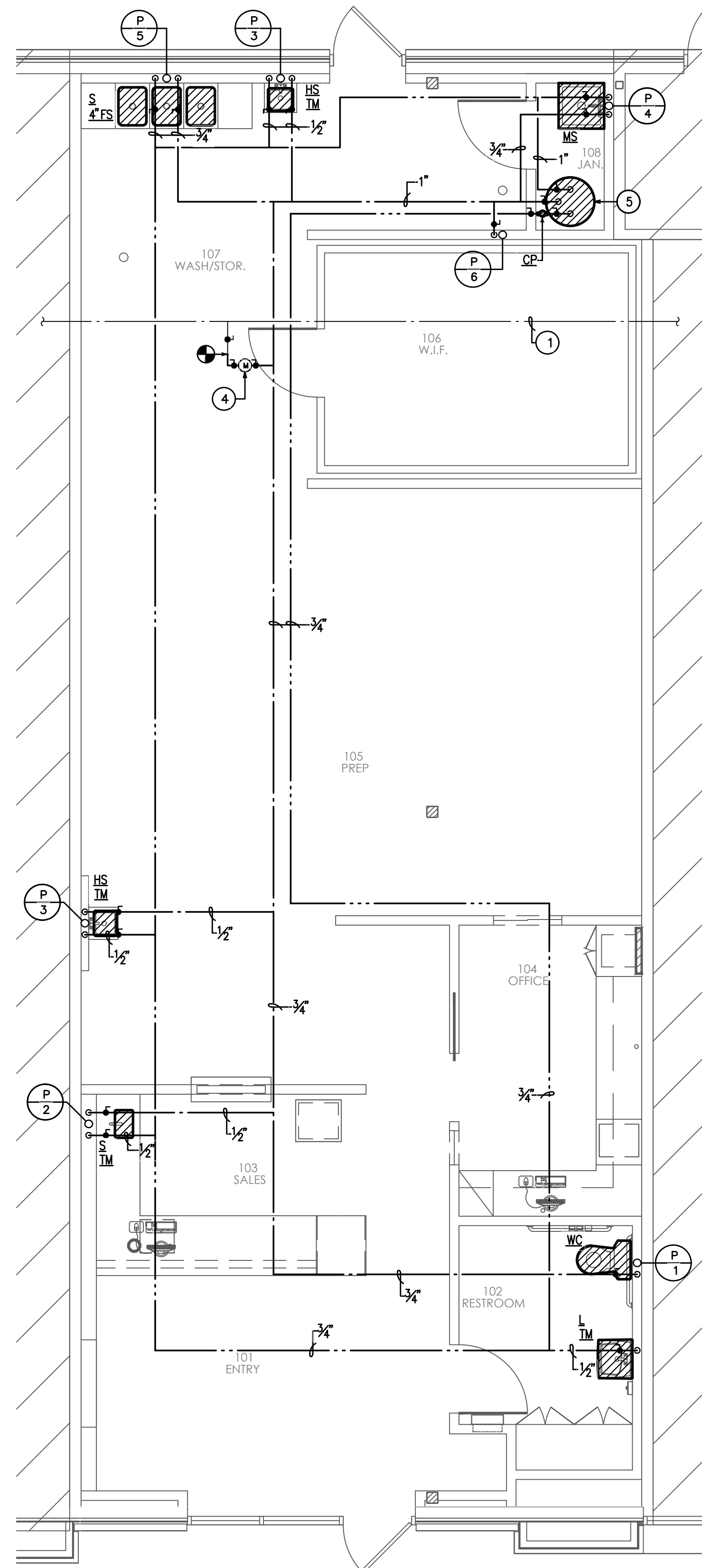
Schedules And Diagrams - Electrical

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E3.02



2 SANITARY SEWER AND VENT PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



1 DOMESTIC AND HOT WATER PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. REFER TO ARCHITECTURAL DRAWING FOR PLUMBING FIXTURE TYPES AND SPECIFICATIONS. PROVIDE ALL STOP VALVES, P-TRAPS ETC. AS REQUIRED FOR COMPLETE INSTALLATION. INSULATE ALL EXPOSED WASTE AND WATER LINES WITH 'PLUMBEREX PRO SERIES 2000' INSULATION KIT.
- B. PRIOR TO BID, THE CONTRACTOR SHALL VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING SERVICE (SEWER, VENT, WATER, ETC.) REQUIRED FOR COMPLETION OF THE PROJECT. NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
- C. ALL FIXTURES AND APPURTENANCES SHALL BE INSTALLED AS PER CODE AND ALL ADOPTED AMENDMENTS.
- D. INSTALL ALL BACKFLOW PREVENTERS IN ACCESSIBLE LOCATION PER LOCAL CODE REQUIREMENTS. PROVIDE REQUIRED CLEARANCES, SUPPORTS AND ACCESS AS REQUIRED.
- E. REFER TO PLUMBING RISER DIAGRAMS FOR WATER CONNECTIONS TO ICE MACHINES, REFRIGERATORS, COFFEE MAKERS, ETC.
- F. ALL HORIZONTAL SANITARY SEWER PIPING SHOWN IS LOCATED BELOW FLOOR. SLOPE AS REQUIRED BY CODE, NOT LESS THAN 1/8" FOR 1 FT.
- G. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
- H. ALL DRAINS SHALL HAVE TRAP PRIMERS AND EQUIPPED WITH SHUT-OFF VALVES.
- I. NO ALLOWANCES WILL BE MADE AFTER THE PROJECT HAS BEEN AWARDED FOR FAILURE TO VERIFY EXISTING CONDITIONS.
- J. SAWCUT EXISTING FLOOR AS REQUIRED FOR PROPER INSTALLATION OF NEW PLUMBING FIXTURES.
- K. CONDENSATE ROUTING AND SIZING SHOWN ON MECHANICAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR ROUTING AND TERMINATION OF MECHANICAL CONDENSATE PIPING.
- L. NO PIPING SHALL BE LOCATED ABOVE THE ELECTRICAL ROOMS. ALL EXISTING PIPING SHALL BE REMOVED AND REROUTED TO AVOID ALL ELECTRICAL ROOMS. PROVIDE DRIP PANS AND LEAK DETECTION BELOW ALL EXISTING PIPING THAT CANNOT BE REMOVED AND REROUTED AROUND THIS ROOM.
- M. EXCAVATING, BACKFILL AND GRADING - ANY NEW FLOOR PENETRATIONS FOR CONDUIT OR PLUMBING LINES/GREASE TRAP SHALL BE MADE WITH A CLEAN SAW CUT AND BE STEEL REINFORCED AND REFILLED WITH CONCRETE WITH PSI MINIMUM STRENGTH TO MATCH GRADE OF THE EXISTING SLAB. BACKFILL SHOULD BE CEMENT STABILIZED MATERIAL WHERE THE GREASE TRAP IS INSTALLED.
- N. CONTRACTOR TO INSTALL DIGITAL FLOW WATER SUB-METER AT EYE-LEVEL OR 5' ABOVE FINISHED FLOOR IN AN EASILY ACCESSIBLE LOCATION AND IN AGREED UPON LOCATION. PLEASE SEE ATTACHED PLAN SHEET WITH PROPOSED LOCATION.

PIPE/PLUMBING MATERIAL LEGEND

- A. DOMESTIC WATER PIPING BELOW SLAB-ON-GRADE SHALL BE ASTM B 88, TYPE K SOFT COPPER TUBE. JOINTS BELOW SLAB-ON-GRADE WILL NOT BE ALLOWED.
- B. DOMESTIC WATER PIPING ABOVE FINISHED FLOOR SHALL BE ASTM B 88, TYPE L OR BETTER HARD COPPER TUBE. JOINTS AND FITTINGS SHALL BE ASME B16.18 CAST-COPPER OR ASME B16.22 WROUGHT COPPER SOLDER-JOINT PRESSURE FITTINGS; ASME B16.24 CLASS 150 BRONZE FLANGES; OR PRESSURE-SEAL-JOINTS WITH WROUGHT COPPER OR CAST BRONZE FITTINGS (VIEGA PRO-PRESS).
- C. SANITARY DRAIN/WASTE/VENT PIPING BELOW FINISHED FLOOR SHALL BE ASTM A 74 CAST IRON SOIL PIPE, SERVICE WEIGHT OR EXTRA-HEAVY, WITH GASKETED JOINTS; OR SOLID WALL, ASTM D 2665 PVC PIPE, SCHEDULE 40, WITH SOLVENT-CEMENT SOCKET FITTINGS.
- D. SANITARY DRAIN/WASTE/VENT PIPING ABOVE FINISHED FLOOR SHALL BE ASTM A 888 OR CISPI 301 HUBLESS CAST IRON SOIL PIPE WITH HEAVY-DUTY COUPLINGS PER ASTM C 1277 AND ASTM C 1540.

KEY NOTES:

- ① EXISTING C.W. LINE TO REMAIN. FIELD VERIFY EXACT SIZE AND LOCATION PRIOR TO BID.
- ② EXISTING SANITARY SEWER LINE TO REMAIN. FIELD VERIFY EXACT SIZE, LOCATION AND ELEVATION PRIOR TO BID.
- ③ EXISTING GREASE WASTE LINE TO REMAIN. FIELD VERIFY EXACT SIZE, LOCATION AND ELEVATION PRIOR TO BID.
- ④ PROVIDE BADGERMETER MODEL 25 COLD WATER BRONZE DISC METER LOCATED 4'-0" ABOVE FINISHED FLOOR. COORDINATE LOCATION WITH ARCHITECT/LANDLORD PRIOR TO INSTALLATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- ⑤ WH-1, STAND MOUNTED ELECTRIC WATER HEATER. REFER TO DETAIL 1 ON SHEET P3.01.
- ⑥ 75 GPM GREASE INTERCEPTOR EQUAL TO SCHIER GB-75. REFER TO SIZING CALCULATION AND DETAIL 1 ON SHEET P3.02. GREASE TRAP SHALL BE LOCATED WITHIN THE PARKING LOT BEHIND THE BUILDING. COORDINATE EXACT LOCATION WITH LANDLORD PRIOR TO BID.
- ⑦ GREASE INTERCEPTOR SAMPLE WELL PER CITY SPECIFICATIONS. REFER TO DETAIL 2 ON SHEET P3.02. SAMPLE SHALL BE LOCATED BESIDE THE GREASE TRAP. COORDINATE EXACT LOCATION WITH LANDLORD PRIOR TO BID.
- ⑧ STACK CLEANOUT (TYPICAL). COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO BID.
- ⑨ EXTEND AND CONNECT NEW 4" VENT LINE TO EXISTING VENT LINE (MINIMUM 4"). FIELD VERIFY EXACT LOCATION OF SERVICES PRIOR TO BID.

GREASE INTERCEPTOR CALCULATIONS:

STEP 1: FLOW RATE TO GREASE INTERCEPTOR
 FIXTURE FLOW RATE: (CU IN / 231) = GAL x 0.75 / 2MIN = 2MIN FLOW RATE
 FLOW RATE USED TO SIZE INTERCEPTOR (LESS OF FIXTURE OR PIPE SIZE)
 PIPE SIZE (4 IN):
 PIPE SIZE FLOW RATE PER MANNING'S FORMULA 75 GPM

STEP 2: GREASE PRODUCTION
 SERVINGS PER DAY x GREASE PRODUCTION VALUE x DAYS BETWEEN PUMP-OUT = GREASE OUTPUT

NUMBER OF MEALS SERVED PER DAY: 50
 GREASE PRODUCTION VALUE: 0.035 LBS PER SERVING (BAKERY: HIGH / NO FLATWARE)
 DAYS BETWEEN PUMP-OUTS: 90 DAYS
 50 x 0.035 x 90 = 157.5 LBS OF FOG

THEREFORE A SCHIER GB-75 POLYETHYLENE GREASE INTERCEPTOR WILL BE REQUIRED FOR THE NEW SPACE.

DIMENSIONS: LENGTH: 46", WIDTH: 32", HEIGHT: 38.5"
 FLOW RATES/GREASE CAPACITY: 75 GPM/653.0 lbs
 LIQUID CAPACITY: 125 GAL

PROVIDE GREASE TRAP SAMPLE WELL AS REQUIRED PER CITY SPECIFICATIONS.



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CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES



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| | For Review | 06/10/2021 |



Chisolm Trail Ranch

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 Fort Worth, Texas 76123

Project ID: 17-1045-L079

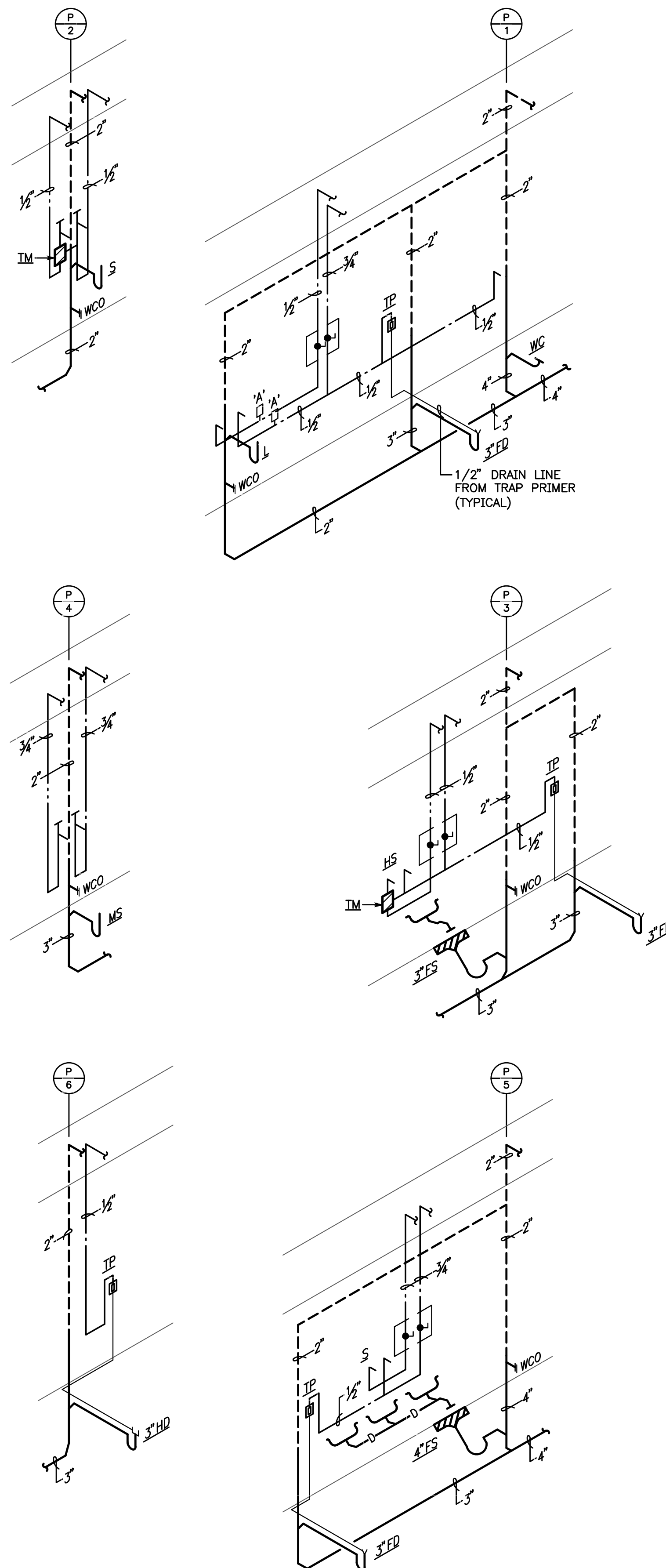
Sheet Title

Plumbing Floor Plan

Sheet Number

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P1.01



1 PLUMBING RISER DIAGRAMS
SCALE: NONE

| ELECTRIC WATER HEATER SCHEDULE | | | | | | | | | |
|--------------------------------|-------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------------------|--------------------|-------------------------|--|
| MARK | LOCATION | STORAGE GALLONS PER TANK | OPERATING WATER TEMP (F) | TANK DIMENSIONS (DIAxHT) | RECOVERY RATE @ 60' RISE | ELEC POWER PER UNIT (VOLTS/PHASE) | HEATING ELEMENT KW | MANUFACTURER/ MODEL NO. | REMARKS |
| WH-1 | 108 JANITOR | 50 | 140 | 21.75" x 55.75" | 102 GPH | 208/3 | 15 | A.O. SMITH DRE-52-15 | 50 GALLON ELECTRIC WATER HEATER WITH CIRCULATION PUMP (CP) |

GENERAL NOTES:
1. TEMPERATURE AND PRESSURE RELIEF COPPER DRAIN LINE TO BE ROUTED FULL SIZE TO MOP SINK.

| PUMP SCHEDULE | | | | | | | | | | | |
|---------------|-------------|-----------------|---------|-----|----------|----------|------|-------------|-------|----------------------------|--|
| MARK | LOCATION | SERVES | TYPE | GPM | TDH (FT) | HP | RPM | VOLTS/PHASE | CYCLE | MANUFACTURER/ MODEL NUMBER | REMARKS |
| CP | 108 JANITOR | DOMESTIC RETURN | IN-LINE | 6 | 8 | 97 WATTS | 3000 | 120/1 | 60 | ARMSTRONG ASTRO 2 230SS | THREE SPEED PUMP WITH STAINLESS STEEL BODY WITH UNION. |

GENERAL NOTES:
1. HOT WATER CIRCULATING SYSTEMS OR HOT WATER HEAT TRACE SHALL HAVE TIMELOCK CAPABLE CONTROL.

| PLUMBING SYMBOLS | | | |
|--|--|-----|--------------------------|
| ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE. | | | |
| SYMBOL | DESCRIPTION | | |
| --- | EXISTING PIPING/FIXTURES/EQUIPMENT TO REMAIN | | |
| ---- | EXISTING PIPING/FIXTURES/EQUIPMENT TO BE REMOVED | | |
| ---- | DOMESTIC COLD WATER PIPING | | |
| ---- | DOMESTIC HOT WATER PIPING | | |
| ---- | DOMESTIC HOT WATER RETURN PIPING | | |
| --- | PIPING UP | | |
| --- | PIPING DOWN | | |
| --- | DIRECTION OF FLOW | | |
| --- | GATE VALVE | | |
| --- | BALL VALVE | | |
| --- | TEMPERATURE AND PRESSURE RELIEF VALVE | | |
| --- | CHECK VALVE | | |
| --- | HYDRAULIC SHOCK ARRESTOR | | |
| --- | UNION | | |
| --- | HOSE BIBB OR HYDRANT | | |
| --- | THERMOMETER | | |
| --- | GAS COCK | | |
| --- | PRESSURE REGULATING VALVE | | |
| --- | NATURAL GAS PIPING | | |
| --- | SANITARY SEWER PIPING | | |
| --- | GREASE WASTE PIPING | | |
| --- | SANITARY VENT PIPING | | |
| --- | P-TRAP | | |
| --- | FLOOR DRAIN OR FLOOR SINK WITH P-TRAP | | |
| --- | HUB DRAIN WITH P-TRAP | | |
| --- | FLOOR CLEANOUT OR GRADE CLEANOUT | | |
| --- | CLEANOUT OR WALL CLEANOUT | | |
| --- | TRAP PRIMER SUPPLY | | |
| --- | CONNECT TO EXISTING | | |
| PLUMBING ABBREVIATIONS | | | |
| AFF | ABOVE FINISHED FLOOR | FD | FLOOR DRAIN |
| AFG | ABOVE FINISHED GRADE | GCO | GRADE CLEANOUT |
| A/C | ABOVE CEILING | GC | GENERAL CONTRACTOR |
| B/F | BELOW FLOOR | HW | HOT WATER |
| BFF | BELOW FINISHED FLOOR | HWR | HOT WATER RETURN |
| B/G | BELOW GRADE | SS | SANITARY SEWER |
| BRF | BELOW RAISED FLOOR | SV | SANITARY VENT |
| CO | CLEANOUT | VTR | VENT THRU ROOF |
| CW | COLD WATER | (E) | EXISTING TO REMAIN |
| DCO | DOUBLE CLEANOUT | (D) | EXISTING TO BE RELOCATED |
| FCO | FLOOR CLEANOUT | (R) | RELOCATED FROM EXISTING |

| THERMOSTATIC MIXING VALVE SCHEDULE | |
|--|------------------------------|
| VALVE ASSEMBLY DESIGNATION/DESCRIPTION | TM |
| LOCATION/SERVICE | UNDER LAVATORY AND HAND SINK |
| HOT WATER INLET TEMPERATURE °F | 140° |
| BLENDED WATER TEMPERATURE °F | 105° |
| SENSING RANGE | 40° |
| PRESSURE DROP THRU SYSTEM PSI | 10 psi |
| MANUFACTURER MODEL NUMBER | POWERS LM49S |

THERMOSTATIC MIXING VALVE WITH INLET AND OUTLET, TEMPERATURE CONTROL TO ASSE 1069, 1070 DOWN TO 0.5 GPM, ADVANCED THERMAL ACTUATOR, SOLID BRASS CONSTRUCTION, ADJUSTABLE TEMPERATURE SELECTION WITH LOCK DOWN, UNION CONNECTIONS, INTEGRAL CHECKS AND SCREEN.

| CONNECTION SCHEDULE | | | | |
|--------------------------|-------|------|------|------|
| TYPE OF FIXTURE | WASTE | VENT | CW | HW |
| WATER CLOSET (TANK TYPE) | 4" | 2" | 1/2" | -- |
| LAVATORY | 2" | 2" | 1/2" | 1/2" |
| SINK | 2" | 2" | 1/2" | 1/2" |
| MOP SINK | 3" | 2" | 3/4" | 3/4" |
| THREE COMPARTMENT SINK | 4" | 2" | 3/4" | 3/4" |

| SHOCK ABSORBERS | | |
|-----------------|---------------|------------------------------|
| MARK | FIXTURE UNITS | MANUFACTURE AND MODEL NUMBER |
| SA-A | 1-11 | JOSAM 75001A |
| SA-B | 12-32 | JOSAM 75002B |

| HOT WATER EXPANSION TANK SCHEDULE | | | | | | | |
|-----------------------------------|-------------|---------------|-----------------------------|---------------------------|--------------------|----------------------------|--------------------|
| MARK | LOCATION | TANK CAPACITY | STORED WATER TEMP. (°F MAX) | PRE-CHARGE PRESSURE (PSI) | TANK CONFIGURATION | TANK PRESSURE RATING (PSI) | MANUFACTURER/MODEL |
| ET-1 | 108 JANITOR | 4.5 | 120 | NOTE 1 | IN-LINE | 150 | WATTS PLT-12-MI |

GENERAL NOTES:
1. EXPANSION TANK SHALL BE CHARGED TO EXCEED SYSTEM PRESSURE TO WITHIN 10 PSI TO 15 PSI.

GENERAL PLUMBING NOTES

- A. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR, UNLESS NOTED OTHERWISE.
- B. THESE PLANS ARE DIAGRAMMATIC IN NATURE, CONTRACTORS SHALL INCLUDE APPROPRIATE ALLOWANCES FOR OFFSETS AS REQUIRED TO ACCOMMODATE VERTICAL AND HORIZONTAL VARIATIONS IN THE LOCATIONS AND ELEVATIONS OF DUCTWORK, PIPING AND EXISTING CONDITIONS.
- C. EACH TRADE SHALL COORDINATE THE ROUTING AND INSTALLATION OF HIS WORK WITH THAT OF ALL OTHER TRADES THROUGH THE GENERAL CONTRACTOR. IN ANY INSTANCES OF CONFLICT, SYSTEMS REQUIRING "GRADE" OR "SLOPE" FOR DRAINAGE (SANITARY SEWER, SANITARY VENT, EQUIPMENT DRAINS, ETC...) SHALL HAVE PRIORITY.
- D. PENETRATIONS OF WALLS OR FLOORS FOR THE PASSAGE OF PIPING, OR OTHER EQUIPMENT SHALL BE PROPERLY SEALED AFTER INSTALLATION OF EQUIPMENT. FIELD VERIFY EXISTING WALL PENETRATIONS AND PROPERLY SEAL AS REQUIRED TO MAINTAIN WALL OR FLOOR RATING.
- E. COORDINATE ALL BUILDING SYSTEM SHUTDOWN REQUIREMENTS WITH FACILITY ENGINEERING REPRESENTATIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PROVIDE SYSTEM DRAIN DOWN AND FILL OF THE AFFECTED PLUMBING SYSTEMS PER THE FACILITY ENGINEER'S REQUIREMENTS.
- F. PROVIDE ALL EQUIPMENT, MATERIAL, LABOR, SUPERVISION, COSTS AND SERVICES REQUIRED TO INSTALL COMPLETE AND WORKING SYSTEMS, INCLUDING ALL ITEMS AND APPURTENANCES NECESSARY REASONABLE, INCIDENTAL OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFIED OR SHOWN.
- G. PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT AND VALVES.
- H. COORDINATE LOCATION OF ACCESS PANELS WITH ARCHITECT.
- I. PROVIDE CAST IRON EXPANSION JOINTS AT ALL FLOOR PENETRATIONS WHERE DRAINAGE OR VENT PIPES OCCUR.
- J. EXISTING INFORMATION INDICATED ON THIS PLAN WAS ACQUIRED THRU LIMITED SITE SURVEY. CONTRACTOR SHALL VERIFY EXACT LOCATION AND SIZES OF ALL PLUMBING SYSTEMS INDICATED ON THIS PLAN PRIOR TO BID. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL FIELD FINDINGS.
- K. ALL HORIZONTAL SANITARY SEWER PIPING SHOWN IS LOCATED BELOW FINISHED FLOOR.
- L. ALL SANITARY VENT AND WATER LINES SHOWN ARE LOCATED ABOVE CEILING.
- M. CONTRACTOR SHALL VERIFY SIZE OF EXISTING COLD WATER LINE PRIOR TO BID. IF COLD WATER LINE IS SMALLER THAN INDICATED ON PLUMBING PLANS, CONTRACTOR SHALL NOTIFY AOS ENGINEERING PRIOR TO CONSTRUCTION.
- N. EACH FIXTURE SHALL HAVE A SHUT-OFF VALVE AT THE FIXTURE. THESE VALVES ARE TO BE ADJUSTED SO AS TO PREVENT EXCESSIVE PRESSURE AT THE FIXTURE. PROVIDE WATER HAMMER ARRESTORS AT EACH FIXTURE WERE REQUIRED.
- O. INSTALL CLEANOUTS WHERE REQUIRED BY CODE, AT ALL CHANGES IN DIRECTION AND AT 75 FOOT INTERVALS ON STRAIGHT RUNS.
- P. PIPING THAT IS EXPOSED DURING DEMOLITION SHALL BE PROTECTED FROM DAMAGE UNTIL IT HAS BEEN DETERMINED THAT THE EXPOSED PIPE CAN BE REMOVED WITHOUT DISABLING ANY DEVICE THAT IS TO REMAIN ACTIVE.
- Q. UNFORESEEN PIPING THAT BECOMES EXPOSED DUE TO DEMOLITION OF WALLS OR CEILINGS SHALL BE RE-ROUTED AND CONCEALED BY THE CONTRACTOR.
- R. PROVIDE A THERMOSTATIC MIXING VALVE AT EACH FIXTURE AS REQUIRED PER LOCAL CODE AND ALL ADOPTED AMENDMENTS.
- S. OFFSET ALL SEWER VENTS THROUGH THE ROOF A MINIMUM OF 15'-0" FROM ALL OUTSIDE AIR INTAKES. TERMINATE A MINIMUM OF 6" ABOVE ROOF.
- T. CONTRACTOR SHALL PROVIDE A WRITTEN REPORT FOR THE BACKFLOW PREVENTER ASSEMBLY TEST TO THE CITY FOR ALL BACKFLOW PREVENTERS BEING INSTALLED. BACKFLOW PREVENTER ASSEMBLY TEST SHALL BE PERFORMED BY A QUALIFIED INSPECTOR. ALL BACKFLOW PREVENTERS INSTALLATION SHALL COMPLY WITH SECTION 608 OF THE INTERNATIONAL PLUMBING CODE.



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No. Issued Date



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Project ID: 17-1045-1079

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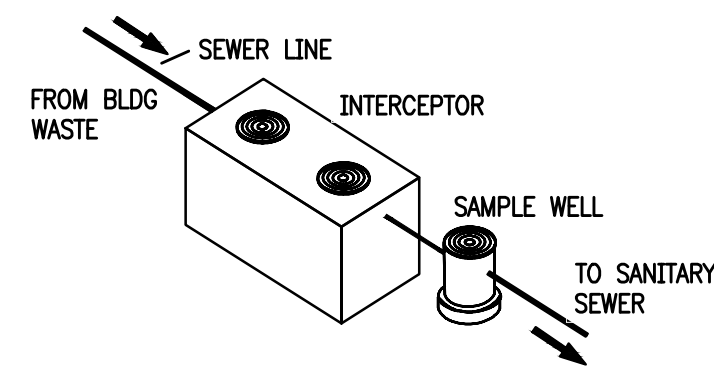
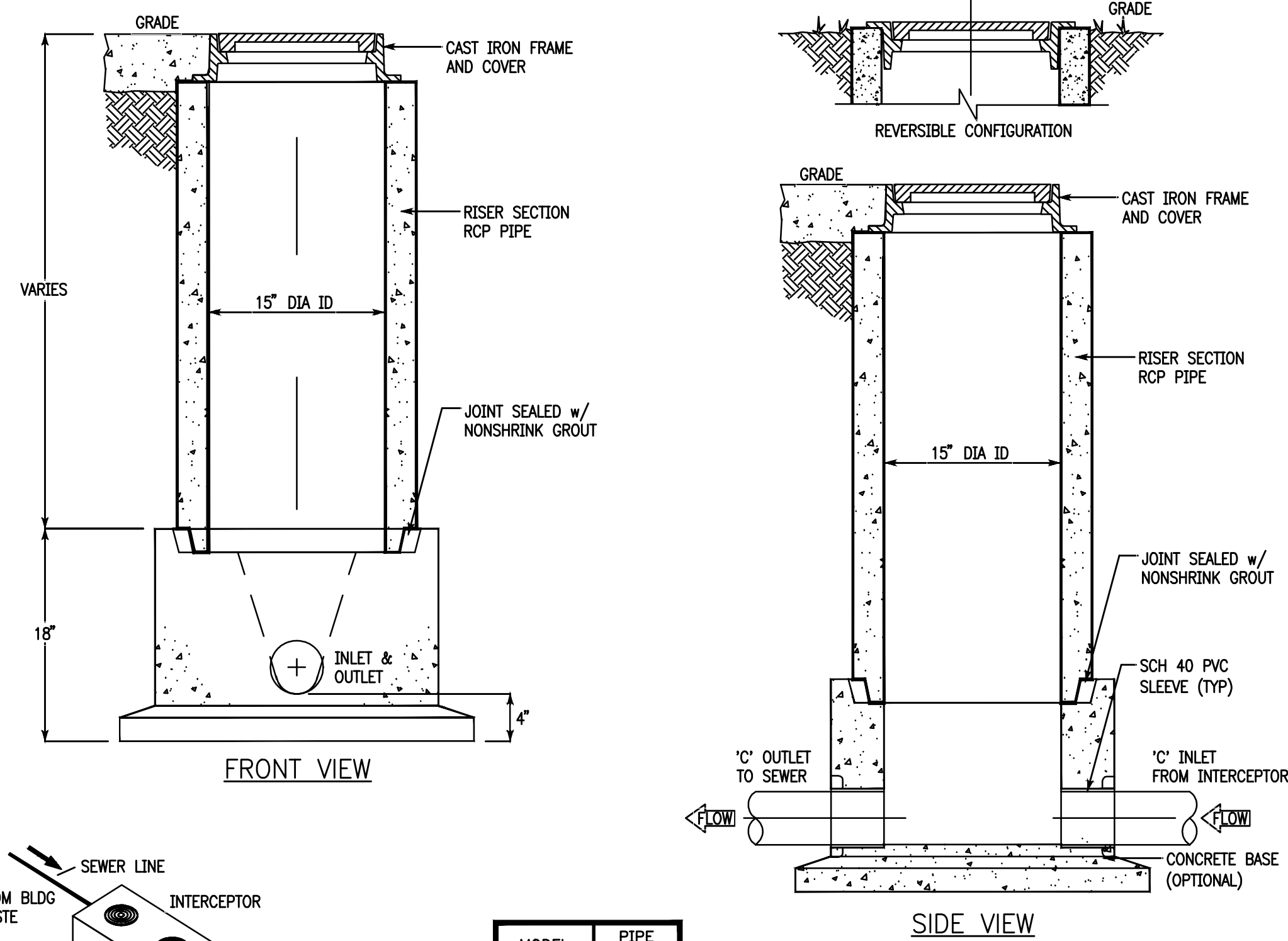
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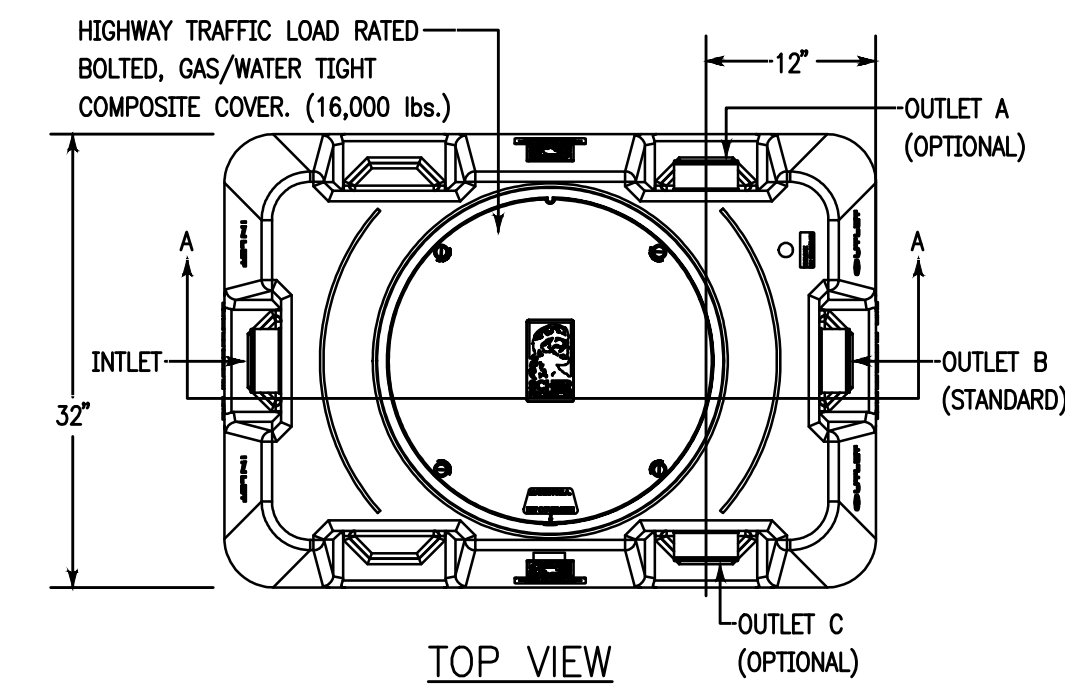


| MODEL | PIPE SIZE 'C' |
|---------|---------------|
| SWB-154 | 4" |
| SWB-156 | 6" |
| SWB-158 | 8" |

NOTES

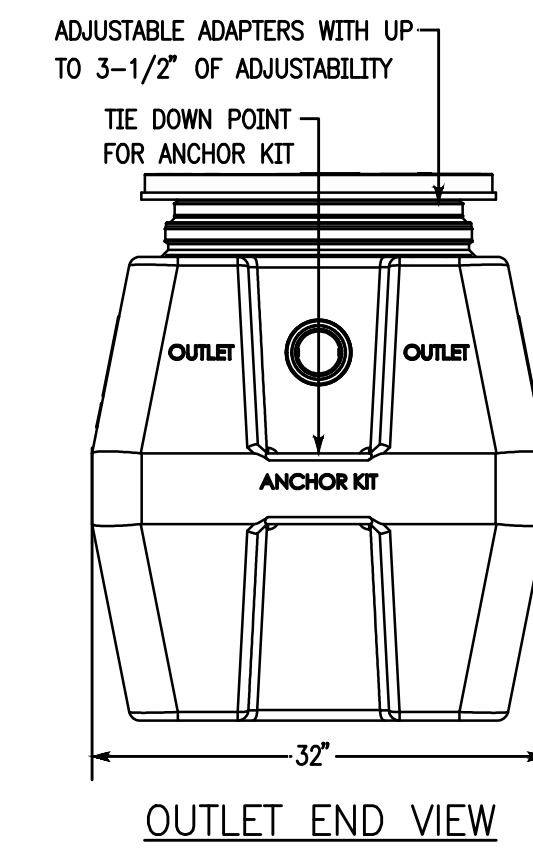
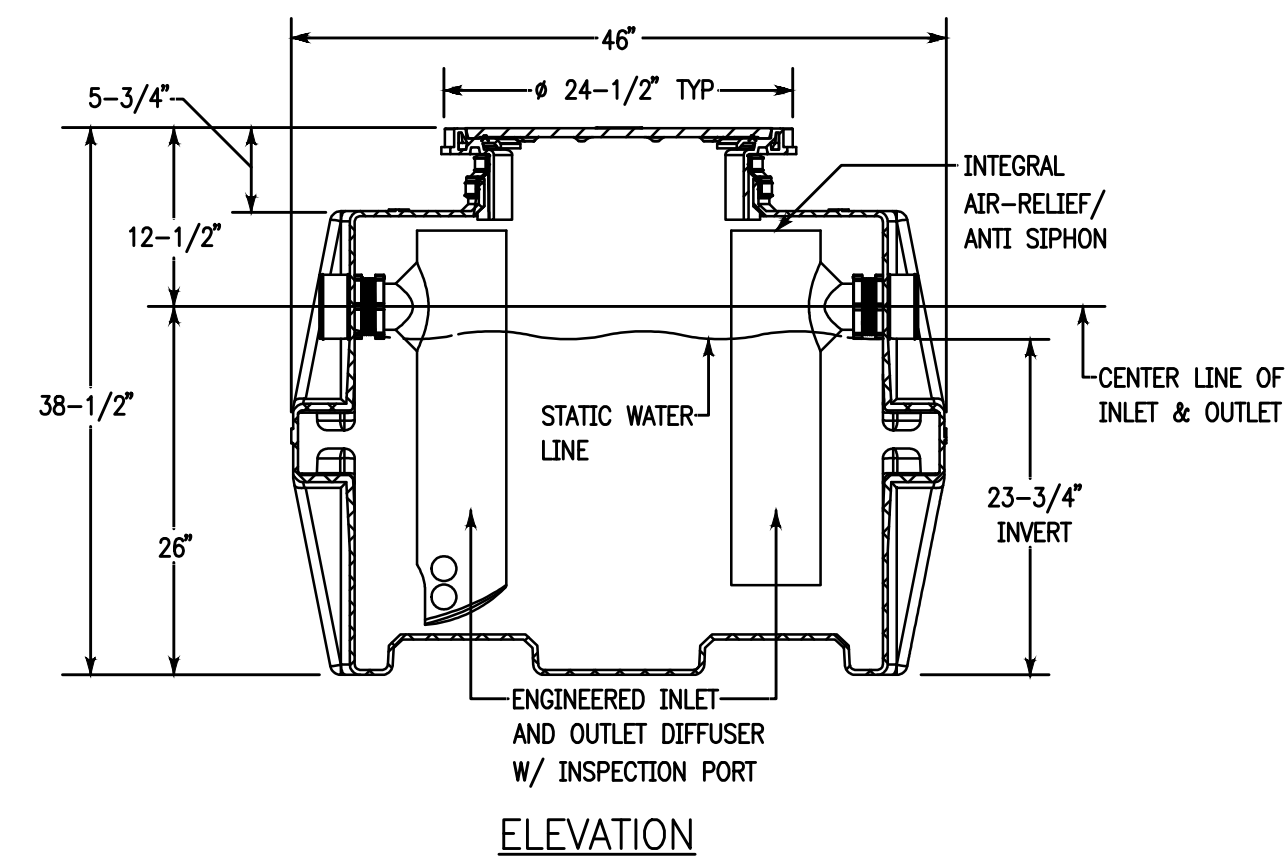
- SAMPLING WELL MUST BE INSTALLED UNDER A SEPARATE PLUMBING PERMIT.
- USE 15" T&G R.C.P. FOR INSTALLATION 6'-0" DEEP AND LESS.
- USE 24" T&G R.C.P. FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STD RING AND M.H. COVER REQUIRED.)
- SAMPLING WELL MUST BE SET IN CIRCULAR OD SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE.)
- INSIDE INSTALLATION NOT PERMITTED, WHERE OUTSIDE INSTALLATION IS POSSIBLE.
- INSTALLATION INSIDE BUILDING MUST BE POURED IN PLACE (15' MIN) NO CONCRETE PIPE IS PERMITTED, (AIR-TIGHT COVER REQUIRED.)
- LAWN INSTALLATION MUST BE 4" ABOVE FINISHED GRADE.
- DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE.
- TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

2 SAMPLE WELL DETAIL
SCALE: NONE



NOTES:

- 4" PLAIN END INLET/OUTLET.
- UNIT WEIGHT - W/ COMPOSITE COVERS: 230 lbs.; W/CAST IRON COVERS: 340 lbs. (FOR WET WEIGHT ADD 2290 lbs.).
- MAXIMUM OPERATING TEMPERATURE: 140° F CONTINUOUS.
- CAPACITIES - LIQUID: 275 GAL.; GREASE: 1,076 lbs. (147.4 GAL.); SOLIDS: 105 GAL.
- BUILT-IN FLOW CONTROL.
- FOR GRAVITY DRAINAGE APPLICATION ONLY.
- DO NOT USE FOR PRESSURE APPLICATIONS.
- COVER PLACEMENT ALLOWS FULL ACCESS TO TANK FOR PROPER MAINTENANCE.
- VENT NOT REQUIRED UNLESS PER LOCAL CODE.
- ENGINEERED INLET AND OUTLET DIFFUSERS ARE REMOVABLE TO INSPECT/CLEAN PIPING.
- INTEGRAL AIR RELIEF / ANTI-SIPHON / SAMPLING ACCESS.



| GREASE INTERCEPTOR SCHEDULE | | | |
|-----------------------------|----------|------------|----------|
| MODEL NO. | CAPACITY | GREASE | EMPTY |
| SCHIER | USGal | CAP. (LBS) | WT (LBS) |
| GB-75 | 125 | 653 | 130 |

1 GREASE INTERCEPTOR DETAIL
SCALE: NONE

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Suite No:
Fort Worth, Texas 76123

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