APPLICABLE CODES:

Town of Amherst Zoning Ordinance
Town of Amherst Building Construction Administration Ordinance
2020 New York State Building Code
2020 New York State Energy Conservation Code
2020 New York State Fire Code
2020 New York State Fuel Gas Code
2020 New York State Mechanical Code
2020 New York State Plumbing Code
2017 National Electrical Code
2009 ICC A117.1 Accessibility Code

free people

women's clothing boutique

3065 SHERIDAN DR,
AMHERST, NY 14226

BUILDING DEPT CONTACT

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ENGINEERING CONSULTANTS

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TENANT

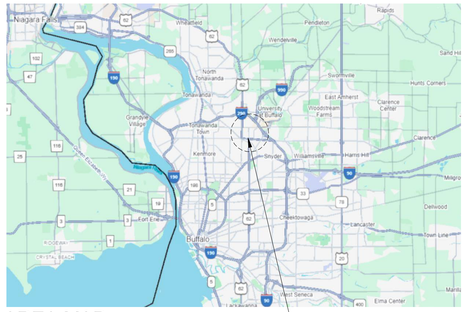
Urban Outfitters, Inc.
5000 S. Broad Street
Philadelphia, PA 19112-1495

OWNER CONTACT:
Patrick Stinger - Director of Planning & Construction 267.226.2280

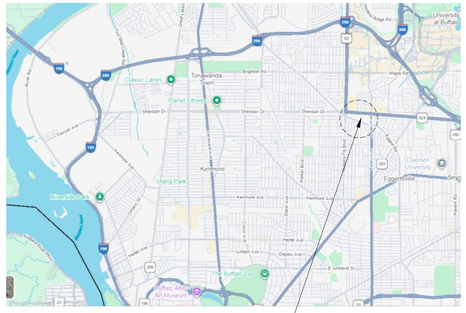
MERCHANDISING SQ FT

SELLING SQ FT = **2,114 SF**
TOTAL NET SQ FT = **2,754 SF**

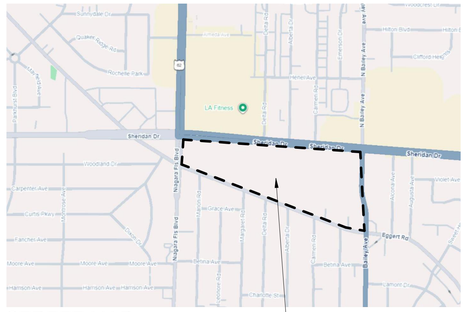
SELLING SQ FT INCLUDES: ALL USABLE OPEN FLOOR AREA USED FOR DISPLAY, MERCHANDIZING & SALES. THIS CALCULATION EXCLUDES FITTING ROOMS, OFFICE AND ALL BOH AREAS AND ALL AREAS COVERED BY WALL & COLUMNS.
TOTAL NET SQ FT INCLUDES: ALL USABLE OPEN FLOOR AREA WITHIN THE LEASED SPACE. THIS CALCULATION EXCLUDES ALL AREAS COVERED BY WALLS & COLUMNS.
NOTE: MERCHANDIZING SQ FT IS FOR TENANT REFERENCE ONLY, AND NOT FOR CODE COMPLIANCE.



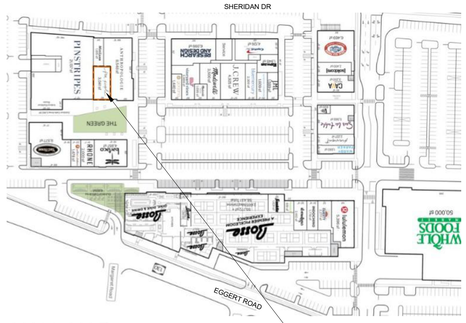
AREA MAP



VICINITY MAP



STREET MAP

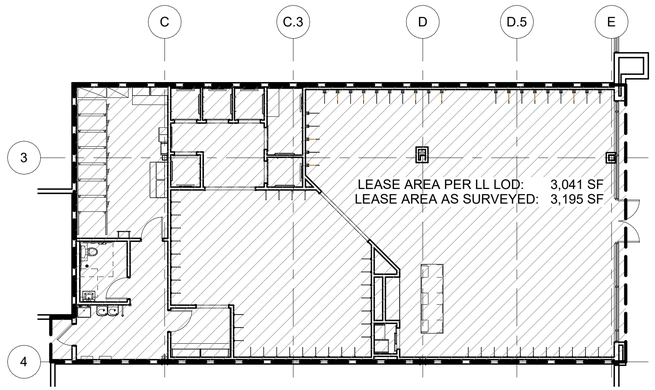


MALL MAP

BW CLOSET	14 SF
FR #1	19 SF
FR #2	19 SF
FR #3	19 SF
FR #4	19 SF
FR #5	47 SF
FR #6	21 SF
	157 SF

DISCOUNT	58 SF
FR COMMON	96 SF
SALES - A	1,393 SF
SALES - B	570 SF
	2,118 SF

(N) RESTROOM	57 SF
BOH	274 SF
CORRIDOR	147 SF
	478 SF
TOTAL NET SQ FT	2,753 SF



FIRST FLOOR LOD

ISSUE / DATE :

SURVEY	11.22.2024
SURVEY UPDATE	07.17.2025
CHECK SET	10.10.2025
BID/ PERMIT	10.31.2025

ARCHITECT/SEAL:

NewStudio architecture

2303 Wycliff Street, Saint Paul, MN 55114
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SHEET INDEX

SEPARATE SUBMITTALS:

SIGNAGE
SEPARATE SUBMITTAL FOR EXTERIOR SIGNAGE TO BE PROVIDED TO OBTAIN ALL REQUIRED APPROVALS/ PERMIT.

STOCK ROOM STORAGE SHELVES
SEPARATE RACKING DRAWINGS AND CALCULATIONS TO BE PROVIDED TO OBTAIN ALL REQUIRED APPROVALS/ PERMIT.

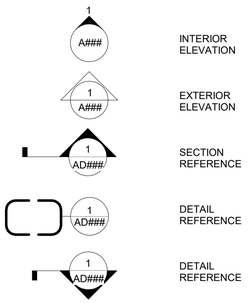
FIRE PROTECTION/SPRINKLER PLANS
SEPARATE FIRE PROTECTION/SPRINKLER DRAWINGS AND CALCULATIONS TO BE PROVIDED TO OBTAIN ALL REQUIRED APPROVALS/ PERMIT.

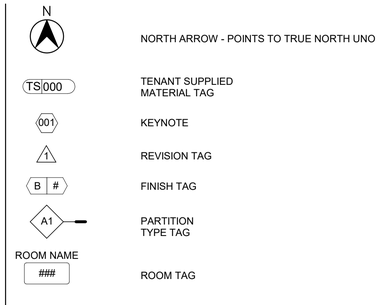
3065 SHERIDAN DR,
AMHERST, NY 14226

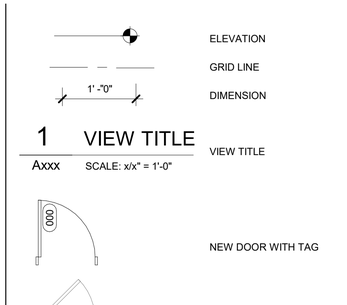
ABBREVIATIONS

A	
A/E	Architect and/or Engineer
AB	Anchor Bolt
ABV	Above
AC	Air Conditioning
ACFL	Access Floor
ACOUS	Acoustical
ACT	Acoustical Ceiling Tile
AD	Access Door
ADDL	Additional
ADH	Adhesive
ADJ	Adjacent
ADJST	Adjustable
ADMIN	Administration
AFF	Above Finish Floor
AHJ	Authority Having Jurisdiction
ALT	Alternate
ALUM	Aluminum
AMEND	Amendment
ANC	Anchor
ANNOD	Annodized
AP	Access Panel
APC	Architectural Precast Concrete
APPROX	Approximately
ARCH	Architectural
AUTO	Automatic
AV	Audio Visual
AVG	Average
AWT	Acoustical Wall Treatment
B	
B&B	Bailed and Burlapped
B/O	Bottom Of
BA	Building Accessory
BD	Board
BIT	Bituminous
BKT	Bracket
BL	Brick Ledge
BLDG	Building
BLKG	Blocking
BM	Beam or Bench Mark
BO	By Owner
BOT	Bottom
BPL	Bearing Plate
BR	Brick
BRC	Brick Course
BRG	Bearing
BSMT	Basement
BTWN	Between
BUR	Built up Roof
BW	Backwrap
C	
C	Course
C/C	Center to Center
CAB	Cabinet
CANT	Cantilever
CAT	Category
CATV	Cable Television
CB	Crotch Basin
CCTV	Closed Circuit Television
CE	Civil Engineer
CEM	Cement
CER	Ceramic
CF	Cubic Feet
CFS	Cubic Feet per Second
CG	Corner Guard
CHNL	Channel
CI	Cast Iron
CIP	Cast-in-Place
CIR	Circle
CJ	Control Joint
CL	Centerline
CLNG	Ceiling
CLO	Closet
CLR	Clearance
CM	Construction Manager
CMU	Concrete Masonry Unit
CO	Closed Opening
COL	Column
COM	Communication
COMP	Composite
COMPR	Compressible
CONC	Concrete
COND	Condition
CONF	Conference
CONN	Connection
CONST	Construction
CONT	Continuous
CORR	Corridor
Corridor	Carpet
CSK	Countersunk
CT	Ceramic Tile
CTR	Center
CU	Cubic
Cubic	Cabinet Unit Heater
CW	Cold Water
CW	Cashwrap
CY	Cubic Yard
D	
DBL	Double
DEG	Degrade
DEMO	Demolition
DEPT	Department
DF	Drinking Fountain
DIA	Diameter
DIAG	Diagonal
DIFF	Diffuser
DIM	Dimension
DISP	Dispenser
DIST	Distribution
DIV	Division or Divider
DL	Dead Load
DN	Down
DR	Door
DS	Downspout
DTL	Detail
DW	Dishwasher
DWG	Drawing
DWL	Dowel
DWTR	Dumbwaiter
E	
E	East
EA	Each
EF	Exhaust Fan
EGEN	Emergency Generator
EIFS	Exterior Insulation & Finish System
EJ	Expansion Joint
EL	Elevation
ELEC	Electrical
ELEV	Elevation
EMER	Emergency
ENTR	Entrance
EO	Electrical Outlet
EOS	Edge of Slab
EPDM	Ethylene Propylene Diene Monomer
EQ	Equal
EQUIP	Equipment
ESTB	Established
EW	Each Way
EWC	Electric Water Cooler
EX	Existing
EXC	Excavated
EXG	Existing
EXH	Exhaust
EXP	Expansion
EXT	Exterior
F	
FA	Fire Alarm
FBR	Face of Brick
FC	Face
FD	Floor Drain
FE	Fire Extinguisher
FEC	Fire Extinguisher Cabinet
FF	Finish Face
FFE	Finish Floor Elevation
FFL	Finish Floor Level
FHC	Fire Hose Cabinet
FIN	Finish
FIXT	Fixture
FLASH	Flashing
FLEX	Flexible
FLR	Flooring
FLUOR	Fluorescent
FN	Fence
FND	Foundation
FO	Finished Opening
FOC	Face of Concrete
FOM	Face of Masonry
FOS	Face of Studs/Steel
FP	Fireproofing
FPL	Fireplace
FRP	Fiberglass Reinforced Plastic Panel
FRT	Fire Retardant Treated
FT	Foot or Feet
FTG	Footing
FTR	Fin Tube Radiator
FUR	Furring
FUT	Future
FWC	Fabric Wall Covering
G	
G	Gas
GA	Gauge
GAL	Gallon
GALV	Galvanized
GAR	Garage
GB	Grab Bar
GC	General Contractor
GEN	General
GEN	Generator
GFRP	Gypsum Fiberglass Reinforced Panel
GL	Glazing
GLU LAM	Glue Laminated
GWB	Gypsum Wall Board
GYP	Gypsum
H	
H	High
HB	Hose Bib
HC	Handicap
HDR	Header
HDWD	Hardwood
HDWR	Hardware
HM	Hollow Metal
HOR	Horizontal
HR	Handrail
HRS	Hot Rolled Steel
HT	Height
HTR	Heater
HVAC	Heating/Ventilation/Air Conditioning
HW	Hot Water
HWW	Hot Water Heater
I	
ID	Inside Diameter
IN	Inch
INCL	Including
INFO	Information
INSUL	Insulation
INT	Interior
INV	Invert
J	
JAN	Janitor
JBOX	Junction Box
JC	Janitor's Closet
JST	Joist
JT	Joint
K	
KIT	Kitchen
KO	Knockout
L	
L	Long, Length
LAB	Laboratory
LAM	Laminate
LAV	Lavatory
LB	Pound
LCD	Linear Ceiling Diffuser
LF	Linear Foot
LH	Left Hand
LHR	Left Hand Reverse
LIN	Linear
LINO	Linoleum
LL	Live Load
LOC	Location
LONG	Longitudinal
LTG	Lighting
LVR	Louver
M	
MAS	Masonry
MAT	Walk-off Mat
MATL	Material
MAX	Maximum
MC	Medicine Cabinet
MDF	Medium Density Fiberboard
MDO	Medium Density Overlay
MECH	Mechanical
MEMB	Membrane
MEZZ	Mezzanine
MFR	Manufacturer
MH	Manhole
MIN	Minimum
MISC	Miscellaneous
MO	Masonry Opening
MR	Moisture Resistant
MTD	Mounted
MTL	Metal
MUL	Mullion
MW	Millwork
MWA	Millwork Accessory
N	
N	North
NA	Not Applicable
NATL	Natural
NIC	Not in Contract
NO	Number
NOM	Nominal
NRC	Noise Reduction Coefficient
NTS	Not to Scale
O	
OA	Overall
OC	On Center
OCD	Overhead Coiling Door
OCG	Overhead Coiling Grill
OD	Outside Diameter
OFCI	Owner Furnished-Contractor Installed
OFOI	Owner Furnished-Owner Installed
OH	Overhead
OHD	Overhead Door
OP	Operable Partition
OPG	Opening
OPP	Opposite
OPT	Optional
ORD	Overflow Roof Drain
OZ	Ounces
P	
PA	Public Address
PAR	Parallel
PBD	Particle Board
PC	Precast Concrete
PERIM	Perimeter
PERP	Perpendicular
PFM	Pre Formed
PFN	Pre Finished
PKG	Parking
PL	Plate
PL	Property Line
PLAM	Plastic Laminate
PLAS	Plaster
PLBG	Plumbing
PLF	Pound per Linear Foot
PLYWD	Plywood
PNL	Panel
PR	Pair
PREFAB	Prefabricated
PRELIM	Preliminary
PROJ	Projections
PROP	Property
PSI	Pounds per Square Inch
PTN	Partition
PVC	Polyvinyl Chloride
Q	
QT	Quarry Tile
QTR	Quarter
QTY	Quantity
R	
R	Radius
RA	Return Air
RAD	Radiator
RB	Rubber Base
RCP	Reflected Ceiling Plan
RD	Roof Drain
REC	Recessed
RECT	Rectangular
REF	Reference
REFR	Refrigerator
REG	Register
REINF	Reinforced
REQD	Required
REV	Reverse
RF	Resilient Floor
RFH	Roof Hatch
RFV	Roof Vent
RH	Right Hand
RHR	Right Hand Reverse
RM	Room
RND	Round
RO	Rough Opening
ROW	Right of Way
RT	Rubber Tile
RWL	Rain Water Leader
S	
S	South
SA	Supply Air
SAN	Sanitary
SC	Solid Core
SCHED	Schedule
SD	Storm Drain
SECT	Section
SF	Square Foot
SFRNT	Storefront
SHR	Shower
SHT	Sheet
SHTG	Sheathing
SIM	Similar
SL	Snow Load
SLNT	Sealant
SM	Surface Mount
SMTL	Sheet Metal
SOG	Slab on Grade
SP	Space(ing)
SPEC	Specifications
SQ	Square
SS	Stainless Steel
SSF	Solid Surface
SSK	Service Sink
ST	Stone Tile
STC	Sound Transmission Coefficient
STD	Standard
STL	Steel
STN	Stone
STOR	Storage
STRUCT	Structural
SUBFL	Subflooring
SUSP	Suspended
SYM	Symmetry/Symmetrical
SYS	System
T	
T	Tread
T&G	Tounge & Groove
T/O	Top Of
TA	Toilet Accessories
TAN	Tangent
TBD	To Be Determined
TC	Terra Cotta
TD	Trench Drain
TEL	Telephone
TELECOM	Telecommunications
TEMP	Temporary
TER	Terazzo
TFMR	Transformer
THK	Thickness
THRES	Threshold
TOP	Topping
TRANS	Transverse
TRTD	Treated
TS	Tube Steel
TV	Television
TYP	Typical
U	
UC	Undercut
UFIN	Unfinished
UG	Underground
UL	UL
UNO	Unless Noted Otherwise
UOI	Urban Outfitters Incorporated
UPH	Upholstery
UR	Urinal
UTIL	Underground
V	
VAR	Varies
VB	Vapor Barrier
VCT	Vinyl Composition Tile
VEN	Veneer
VERT	Vertical
VEST	Vestibule
VIF	Verify In Field
VIN	Vinyl
VOL	Volume
VR	Vapor Retarder
VT	Vinyl Tile
VWC	Vinyl Wall Covering
W	
W	West
W	Wide/Width
W/	With
W/O	Without
WC	Water Closet
WD	Wood
WDW	Window
WF	Wide Flange
WG	Wall Guard
WHTR	Water Heater
WL	Wind Load
WP	Waterproofing
WR	Waste Receptacle
WS	Weather-Stripping
WSCT	Wainscotting
WT	Weight
WT	Window Treatment
WWF	Welded Wire Fabric
X	
Y	
Y	Yard
Z	

DRAWING SYMBOLS







GENERAL NOTES

1. ALL WORK TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION.
2. GC IS REQUIRED TO ADHERE TO ALL NEW REQUIREMENTS, WHETHER STATED OR NOT ON THESE CONTRACT DOCUMENTS, FOR THE LATEST ADA LAW EFFECTIVE MARCH 15, 2012. THIS LAW IS A CIVIL RIGHTS LAW AND THE EXCLUSION OF REQUIREMENTS BY THE LOCAL CODE OFFICIALS DOES NOT RELIEVE THE TENANT OR THE GENERAL CONTRACTOR OF ADHERING TO THE NECESSARY WORK, EITHER DURING CONSTRUCTION OR AFTER OCCUPANCY.
3. GC SHALL COMPLY AND CONFORM TO ALL OF THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), NO EXCEPTIONS WILL BE PERMITTED. THE PROVISIONS OF THE TENANT'S LEASE SHALL APPLY IN THE EVENT OF VIOLATION RESULTING IN DAMAGES, CAUSES OF ACTION OR ANY CLAIMS ARISING THEREFROM, IF THE GC AND / OR ITS SUBCONTRACTORS DO NOT COMPLY WITH THIS ACT.
4. GC TO NOTIFY BUILDING FACILITY MANAGEMENT PRIOR TO THE COMMENCEMENT OF WORK, INCLUDING CUTTING, REMOVING, ALTERING, OR SHUTTING OFF ANY MECHANICAL SYSTEMS. COORDINATE ALL EFFORTS WITH THE FACILITIES MANAGER. REFER TO MECHANICAL/ELECTRICAL PLANS FOR SPECIFIC WORK REQUIREMENTS.
5. THE ARCHITECT SHALL NOT HAVE CONTROL OVER, CHARGE OF, OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING ANY AND ALL OSHA REQUIREMENTS, IN CONNECTION WITH THE WORK.
6. PRIOR TO COMMENCEMENT OF ANY WORK, GC SHALL CONTACT AND MEET WITH LANDLORD'S TENANT COORDINATOR AND UO INC'S PROJECT MANAGEMENT REPRESENTATIVE FOR A PRECONSTRUCTION MEETING, AT WHICH TIME, GC WILL PRESENT TO ALL PARTIES A LIST OF NAMES, ADDRESSES, BUSINESS PHONE, FAX, AND EMERGENCY TELEPHONE NUMBERS OF THE SUBCONTRACTORS FOR THIS PROJECT. GC WILL COMPLETE THE CHECKLIST FORM (CONTRACTOR INFORMATION FORM) REQUIRED FOR EACH TENANT'S SPACE THAT CONTRACTOR WILL BE WORKING ON AS REQUIRED UNDER LEASE OBLIGATION. THE CHECKLIST FORM INCLUDING SCHEDULE INFORMATION AS WELL AS GC AND SUBCONTRACTORS' INFORMATION IS TO BE SUBMITTED TO THE LANDLORD'S REPRESENTATIVE UPON ARRIVAL AT THE JOB SITE.
7. GC IS TO COORDINATE WITH THE LANDLORD FOR SITE MOBILIZATION INCLUDING, BUT NOT LIMITED TO USE OF PREMISES, MATERIAL STORAGE, SITE ACCESS, HOUSEKEEPING PROCEDURES, SECURITY, ETC.
8. GC SHALL HAVE AT ALL TIMES, AT THE PREMISES, BUILDING DEPARTMENT APPROVED PERMIT DRAWINGS. HEALTH DEPARTMENT APPROVED PERMIT DRAWINGS (IF APPLICABLE) AND LANDLORD APPROVED CONTRACT DOCUMENTS (WHEN APPLICABLE).
9. GC AND ALL SUBCONTRACTORS ARE REQUIRED TO CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AT BUILDING SITE AND PREMISES AND NOTIFY THE LANDLORD, THE LANDLORD'S REPRESENTATIVE, UO INC'S PROJECT MANAGER AND PROJECT ARCHITECT OF ANY AND ALL DISCREPANCIES AND LIST ANY WORK NOT YET COMPLETED BEFORE STARTING WORK. IF GC IS REQUIRED TO INSTALL A STOREFRONT BARRICADE DURING THE CONSTRUCTION PHASE OF THIS PROJECT, SUCH BARRICADE TO MEET THE LATEST BARRICADE DESIGN REQUIREMENTS, INCLUDING THE PAINTING OF SUCH BARRICADE AND ANY SIGNAGE. ADDITIONALLY, THIS BARRICADE MUST BE MOVED OUT AS REQUIRED FOR STOREFRONT WORK AND / OR REMOVED AT THE END OF THE CONSTRUCTION TIME PERIOD. CHECK WITH THE LANDLORD TO VERIFY IF A BARRICADE HAS PREVIOUSLY BEEN INSTALLED ON THESE PREMISES IN ANTICIPATION OF CONSTRUCTION BY THE NEW TENANTS; IF THIS IS THE CASE, DO NOT INCLUDE ANY COST FOR THE ACTUAL BARRICADE BUT DO INCLUDE COSTS FOR MOVING SUCH BARRICADES IN AND OUT, ANY OTHER SPECIFIC LANDLORD REQUIREMENTS REGARDING SUCH BARRICADES, AND THE PAINTING AND/OR REMOVAL OF SUCH BARRICADES AFTER CONSTRUCTION.
10. THE PREMISES IS EXPECTED TO BE FREE OF ASBESTOS. GC IS TO VERIFY THAT THIS SPACE IS ASBESTOS FREE. NO ASBESTOS WORK IS TO BE COMPLETED BY THIS CONTRACTOR UNLESS SPECIFICALLY NOTED IN THESE CONTRACT DOCUMENTS. IF ASBESTOS IS UNCOVERED, NOTIFY THE TENANT'S REPRESENTATIVE IMMEDIATELY AND STOP ALL WORK. LANDLORD IS RESPONSIBLE FOR ALL ASBESTOS TESTING, FILING AND REMOVAL.
11. GC SHALL BE RESPONSIBLE FOR DAILY REMOVAL, OR AS REQUIRED BY LANDLORD, OF TRASH, RUBBISH AND SURPLUS MATERIALS RESULTING FROM CONSTRUCTION. THE CONTRACTORS AND SUBCONTRACTORS PARTICIPATING IN THE PERFORMANCE OF TENANT'S WORK SHALL REMOVE AND DISPOSE OF, AT LEAST ONCE A WEEK AND MORE FREQUENTLY AS TENANT MAY DIRECT, ALL DEBRIS AND RUBBISH CAUSED BY OR RESULTING FROM THE PERFORMANCE OF TENANT'S WORK AND, UPON COMPLETION THEREOF, REMOVE ALL TEMPORARY STRUCTURES, SURPLUS MATERIALS, DEBRIS AND RUBBISH OF WHATEVER KIND REMAINING IN THE BUILDING WHICH HAD BEEN BROUGHT IN OR CREATED BY THE CONTRACTOR AND SUBCONTRACTORS IN THE PERFORMANCE OF TENANT'S WORK. THIS CONTRACTOR MUST MAINTAIN A CLEAR PATH OF EGRESS FROM THE PREMISES FREE FROM TRASH AND RUBBISH AT ALL TIMES. ALL REMOVAL OF CONSTRUCTION DEBRIS TO AN APPROVED DUMPING SITE TO BE INCLUDED IN THE GC'S WORK.
12. ALL EXITS SHALL BE UNOBSTRUCTED AT ALL TIMES DURING CONSTRUCTION AND OCCUPANCY.
13. GC SHALL FURNISH AND INSTALL, AS REQUIRED, BEGINNING WITH THE CONSTRUCTION PHASE, HAND OPERATED FIRE EXTINGUISHERS, UL RATED, AS PER LOCAL CODE REQUIREMENTS: PLACEMENT AS APPROVED BY TENANT AND AHJ.
14. GC IS REQUIRED TO PROTECT ALL NEUTRAL PIERS, LANDLORD'S, AND ADJACENT TENANT CONSTRUCTION IF ADJACENT TO THIS TENANT'S WORK AND MAKE ANY AND ALL REQUIRED REPAIRS TO THE SATISFACTION OF THE LANDLORD AND/OR THE ADJACENT TENANT IF ADJACENT WORK IS DAMAGED.
15. UNO DEMISING WALL FIRE RATING TO BE CONFIRMED BY GC AS CORRESPONDING TO LANDLORD AND CODE REQUIREMENTS, SEE CONTRACT DOCUMENTS FOR WALL INDICATIONS. ALL PENETRATIONS FOR SUPPLY OR RETURN AIR, ETC., TO HAVE PROPERLY INSTALLED FIRE DAMPERS MEETING THE LATEST AHJ AND APPLICABLE CODE REQUIREMENTS, BASED ON SPECIFIC LOCATION OF TENANT'S SPACE IN BUILDING. GC IS RESPONSIBLE FOR OBTAINING APPROVAL FROM AHJ, INCLUDING BUILDING AND ELECTRICAL INSPECTORS, FOR ALL CONCEALED WORK PRIOR TO CLOSING UP OF WALLS, FLOORS, CEILINGS.
16. ALL CLEARANCES OF PIPES AND DUCT WORK INSTALLED BY GC OR SUBCONTRACTORS MUST BE MAINTAINED FOR ADEQUATE HEIGHTS REQUIRED FOR CEILING SYSTEM AND LIGHT FIXTURES. GC MUST REVIEW ENTIRE SET OF CONTRACT DOCUMENTS FOR CEILING HEIGHTS. GC (OR DESIGNATED AUTHORIZED CONTRACTOR AT GC'S EXPENSE) TO REMOVE OR REPLACE AS REQUIRED ANY AND ALL EXISTING PVC PIPING WITH LOCAL CODE ALLOWABLE MATERIALS THROUGHOUT LEASED PREMISES.
17. BUILDING HAS BEEN A MAXIMUM LIVE LOAD AS SPECIFIED IN THE LANDLORD'S CRITERIA. THE LANDLORD'S AND/OR TENANT'S GC AND/OR THEIR SUBCONTRACTOR AND/OR ANY AND ALL MATERIAL SUPPLY HANDLERS ARE NOT TO IMPOSE ANY LOADING FOR ANY OF THE TENANT'S WORK ON A TEMPORARY OR PERMANENT BASIS WHICH CAN EXCEED SUCH SPECIFIED LOAD.
18. ANY ALTERATIONS, ADDITIONS, DRILLING, WELDING OR OTHER ATTACHMENT OR REINFORCEMENTS TO LANDLORD'S STRUCTURE TO ACCOMMODATE TENANT'S WORK SHALL NOT BE PERFORMED WITHOUT LANDLORD'S APPROVAL, AND THIS CONTRACTOR SHALL LEAVE LANDLORD'S STRUCTURE AS STRONG AS, OR STRONGER THAN, THE ORIGINAL DESIGN AND WITH FINISHES UNIMPAIRED. ONLY UTILIZE LANDLORD'S DESIGNATED ROOFING CONTRACTOR FOR ALL ROOF PENETRATIONS, FLASHING AND COUNTER FLASHING.
19. GC SHALL EXERCISE CAUTION SO AS NOT TO DAMAGE OR DISRUPT ANY UTILITIES OR SPRINKLER LINES WHICH PASS-THROUGH TENANT SPACE AND/OR ADJACENT TENANT SPACES. GC WILL BEAR SOLE RESPONSIBILITY OF ANY SUCH DISRUPTIONS OR DAMAGE.
20. ANY REPAIR TO LANDLORD SYSTEMS MUST BE COMPLETED TO THE SATISFACTION OF THE LANDLORD AND PER LANDLORD SPECIFICATIONS.
21. IF APPLICABLE, SPRINKLER SYSTEM DESIGN AND/OR LAYOUT MODIFICATION TO BE PROVIDED BY DESIGNATED SPRINKLER SUBCONTRACTOR. ALL SUBMISSIONS TO THE FIRE MARSHAL AND BUILDING INSPECTOR FOR THE NECESSARY APPROVAL ARE THE RESPONSIBILITY OF THE SPRINKLER SUBCONTRACTOR. GC TO VERIFY WITH THE LANDLORD OR LANDLORD'S CRITERIA IF SPRINKLER CONTRACTOR IS TO BE LANDLORD APPROVED OR LANDLORD DESIGNATED CONTRACTOR. SPRINKLER HEAD SPACING TO CONFORM WITH THE LATEST NFPA STANDARDS (PAMPHLET 13) AND ALL APPLICABLE CODES. SPRINKLER HEAD BRANCH LINES, DROPS AND HEADS ARE THE RESPONSIBILITY OF THE SPRINKLER SUBCONTRACTOR AND THE DESIGN MUST BE BASED ON FLOOR LAYOUT AND REFLECTED CEILING PLANS. APPROVALS BY LANDLORD, LANDLORD'S INSURANCE UNDERWRITER AND AHJ, INCLUDING THE BUILDING INSPECTOR AND FIRE MARSHAL, ARE REQUIRED.
22. ALL PLUMBING AND ELECTRICAL ROUGH-IN TO BE NEW. ELECTRICAL SERVICE CONDUIT AND WIRE TO THE DEMISED PREMISES TO BE EXTENDED TO THE POINT OF NEW PANELS BY GC AS NECESSARY AND SHOWN ON CONTRACT DOCUMENTS. GC TO FIELD VERIFY THAT THESE UTILITY LINES ARE AT OR ADJACENT TO TENANT'S SPACE AS NOTED AND AT THE SIZE SPECIFIED, BASED ON GC'S OR SUBCONTRACTOR'S PRE-BID REVIEW OF PREMISES. IF THE UTILITIES ARE NOT IN LOCATIONS AS NOTED ON THE CONTRACT DOCUMENTS OR OF A SIZE LARGER OR SMALLER THAN NOTED, THIS CONTRACTOR IS TO MODIFY THE SERVICE ACCORDINGLY WITH EITHER NEW CONDUIT AND/OR NEW COPPER SERVICE WIRE EXTENDING BACK TO LANDLORD'S ELECTRICAL METER ROOM/SERVICE POINT AND INCLUDE SUCH COSTS IN THE BID TO THE TENANT.
23. GC IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL TOILET ACCESSORIES, NEW TOILET ROOM(S), DRINKING FOUNTAIN(S) AND SERVICE SINK(S) IF APPLICABLE, IN THESE PREMISES UNLESS NOTED OTHERWISE OR EXISTING. TOILET ACCESSORY AND FIXTURE MOUNTING HEIGHTS TO BE HEIGHT NOTED ON THE LATEST ADA/CABO/ANSI REGULATIONS AS REQUIRED BY AHJ AND APPLICABLE CODES. GC TO FURNISH AND INSTALL NEW TOILET EXHAUST WITH ASSOCIATED DUCTWORK, ROOF PENETRATIONS OR HOOK UP TO COMMON EXHAUST DUCT WITH BACKDRAFT DAMPER ETC., INCLUDING ASSOCIATED ELECTRICAL HOOKUP AND PANEL CONNECTIONS, OR REFURBISH EXISTING LIGHT/FAN UNIT(S) TO LIKE NEW CONDITION, WHETHER SUCH WORK IS SHOWN OR NOT SHOWN IN THE CONSTRUCTION DOCUMENTS.
24. GC WILL FURNISH AND INSTALL COMPLETE MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS TO INCLUDE BUT NOT BE LIMITED TO MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT, INSTALLED AND MOUNTED WITH DISCONNECT AND WIRING, HANGERS AND DUNNAGE FOR SAME (INCLUDING THE HIRING OF A LOCAL STRUCTURAL ENGINEER TO DESIGN SUCH DUNNAGE, HANGERS, AND BRACING), DUCTWORK, COLLARS, DIFFUSERS, REGISTERS, CONTROLS, TIME CLOCKS, ETC., WHETHER OR NOT SUCH WORK IS OR IS NOT SHOWN OR DELINEATED IN THE CONTRACT DOCUMENTS. GC'S MECHANICAL CONTRACTOR(S) ARE REQUIRED TO COORDINATE WITH ALL OTHER CONTRACTORS ON JOB TO MAINTAIN TENANT'S CEILING HEIGHT, LIGHT FIXTURE LOCATION, SPRINKLER BRANCH LINES, ETC.
25. UNLESS A FIRE ALARM DRAWING IS SUBMITTED AS A PART OF THESE CONTRACT DOCUMENTS), GC SHALL FURNISH AND INSTALL ANY/ALL REQUIRED FIRE ALARM, SMOKE EVACUATION, SMOKE DETECTION SYSTEMS, INCLUDING ANY/ALL PARTS AND LABOR (OR MODIFY EXISTING AS REQUIRED), TO MEET LOCAL CODES, LANDLORD REQUIREMENTS AND AHJ SPECIFICATION, WHETHER SUCH WORK IS OR IS NOT SHOWN IN THE CONSTRUCTION DOCUMENTS. IF A SMOKE EVACUATION AND/OR DETECTION SYSTEM EXISTS IN THE PREMISES, IT SHALL BE LEFT INTACT DURING CONSTRUCTION. ANY NEW WORK, MODIFICATION AND/OR REWIRING TO BE COMPLETED DURING CONSTRUCTION PHASE SHALL POINT TO NEW PANELS. SMOKE DETECTORS REQUIRED TO BE HARD WIRED TO LANDLORD FIRE ALARM SYSTEM ARE TO BE PER LANDLORD'S SYSTEM. GC TO CONTACT LANDLORD OR APPROVED AGENTS FOR PURCHASE AND INSTALLATION OF DETECTORS AT GC EXPENSE. GC AND/OR ITS FIRE ALARM SUBCONTRACTOR TO CONTACT LANDLORD FOR FINAL POINT OF CONNECTION TO LANDLORD'S FIRE ALARM JUNCTION BOX AND PERFORM WORK AT GC EXPENSE.
26. GC SHALL NOT SCALE FROM THE DRAWINGS. ALL DIMENSIONAL QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
27. THE GC AND/OR ELECTRICAL SUBCONTRACTOR SHALL VERIFY ALL EQUIPMENT SPECIFICATIONS AND REQUIREMENTS WITH UO INC PROJECT MANAGER PRIOR TO START OF CONSTRUCTION. THIS CONTRACTOR TO VERIFY AMPERAGE AND/OR VOLTAGE SPECIFICATIONS, WIRING SIZES AND REQUIREMENTS (SERVICE AND PANEL SPECIFICATION) WITH THE EQUIPMENT SUPPLIERS AND CHECK THE CONTRACT DOCUMENTS FOR MISCALCULATIONS, IN COORDINATION WITH EQUIPMENT SPECIFICATIONS FOR EQUIPMENT SUPPLIED BY THE TENANT, THE CONTRACTORS OR OTHER SOURCES (AS SPECIFIED BY THE ARCHITECT) AS A DOUBLE CHECK TO ASCERTAIN PROPER INSTALLATION OF EQUIPMENT AT THE CORRECT AMPERAGE / VOLTAGE AND WIRING SIZE. NO LIGHT FIXTURES ARE TO BE ORDERED UNTIL THIS "DOUBLE CHECK" TAKES PLACE.
28. THE GC AND/OR ELECTRICAL SUBCONTRACTOR IS TO INSTALL EMERGENCY AND EXIT LIGHTING, AS REQUIRED BY AHJ UNO. THE EXIT / EMERGENCY LIGHTING SHOULD BE PROPERLY LABELED AND WITH APPROVED LOCKOUTS AS REQUIRED BY AHJ.
29. GC OR THEIR ELECTRICAL SUBCONTRACTOR TO PROVIDE A CIRCUIT DIRECTORY WITH PROPER PHASING AND BALANCING, TO CONFORM TO THE LATEST EDITION OF NEC AND UL CODE. SIGNAGE JUNCTION BOX PERMIT, INSTALLATION, SUPPLY AND PROPER LABELING OF SIGNAGE BOX(ES) IS TO BE INCLUDED IN THE WORK FOR THE ELECTRICAL SUBCONTRACTOR.
30. ALL SWITCH / OUTLET PLATES / COVERS TO BE FINISHED IN SAME COLOR / WALL COVERING AS ADJACENT WALL FINISHES, UNO. FACTORY PAINTED GRILLES, DIFFUSERS, METAL TRIM (BUCKS, ETC.), ACCESSORIES, SWITCH AND OUTLET PLATES, ETC., ARE TO BE PAINTED TO MATCH ADJACENT SURFACE IN AN ENAMEL, CLEANABLE FINISH, OR AS SPECIFIED ON THE CONTRACT DOCUMENTS.
31. ALL FLOOR FINISHES, WITHIN THE PREMISES OR AT THE TRANSITION BETWEEN LANDLORD AND TENANT FLOOR FINISHES ARE TO BE SMOOTH AND LEVEL TO AVOID TRIPPING HAZARDS AND CONFORM WITH APPLICABLE ACCESSIBILITY CODE. IF AN EXPANSION JOINT COVER IS REQUIRED, SUCH COVER IS TO BE LEVEL AND SMOOTH WITH TENANT FLOOR FINISH ELEVATION AND WILL NOT PROJECT ABOVE SUCH FLOOR FINISH ELEVATION. IF THE EXISTING SLABS ARE NOT LEVEL, THE GC IS REQUIRED TO COMPLETE EXTENSIVE FLASH PATCHING THROUGHOUT TO OBTAIN A SMOOTH AND LEVEL CONCRETE SLAB.

SHOULD AN EXPANSION JOINT OCCUR IN THE LEASED PREMISES, GC IS RESPONSIBLE FOR ALL CONSTRUCTION AFFECTED BY SUCH JOINT, INCLUDING FURNISHING AND INSTALLING A LEVEL, SLAB HEIGHT EXPANSION JOINT COVER, INCLUDING FLOOR, WALLS, AND CEILING. GC SHALL MAINTAIN INTEGRITY OF ALL SUCH EXPANSION JOINTS IN A MANNER CONSISTENT WITH ACCEPTABLE CONSTRUCTION DESIGN PRACTICES.

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GENERAL NOTES, DRAWING SYMBOLS & ABBREVIATIONS

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G001

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APPLICABLE CODES:

Town of Amherst Zoning Ordinance
Town of Amherst Building Construction Administration Ordinance
2020 New York State Building Code
2020 New York State Energy Conservation Code
2020 New York State Fire Code
2020 New York State Fuel Gas Code
2020 New York State Mechanical Code
2020 New York State Plumbing Code
2017 National Electrical Code
2009 ICC A117.1 Accessibility Code

PROJECT DESCRIPTION

RETAIL TENANT IMPROVEMENT PROJECT IN A NEW BUILDING TENANT SPACE.

EXISTING USE: N/A, NEWCONSTRUCTION
PROPOSED USE: RETAIL - WOMEN'S APPAREL AND ACCESSORIES

SCOPE OF WORK

OVERALL SCOPE:
- NEW INTERIOR PARTITIONS, SUSPENDED CEILINGS, RETAIL/ DISPLAY FIXTURES, AND TRADE SCOPE AS OUTLINED BELOW
- EXISTING BASE BUILDING TO REMAIN UNCHANGED

TRADE SCOPE:
- MECHANICAL: NEW DUCT DISTRIBUTION FROM EXISTING, FULLY-OPERATION MECHANCICAL EQUIPMENT
- ELECTRICAL: NEW RECEPTACLES, LIGHTING, EXIT SIGNAGE AND LOW VOLTAGE EQUIPMENT FROM EXISTING EQUIPMENT, SERVICE PANELS, TRANSFORMERS, ETC ARE ALL EXISTING TO REMAIN.
- PLUMBING:

BUILDING CONSTRUCTION

CONSTRUCTION TYPE	II-B	PRIMARY STRUCTURAL FRAME	0 HR NEW
		EXTERIOR BEARING WALLS	0 HR NEW
		INTERIOR BEARING WALLS	0 HR NEW
		EXTERIOR NON BEARING WALLS	0 HR NEW
		INTERIOR NON BEARING WALLS	0 HR NEW
		FLOOR CONSTRUCTION	0 HR NEW
		ROOF CONSTRUCTION	0 HR NEW
SPRINKLERED?	YES		

* PER BUILDING CODE SECTION 903

OCCUPANCY AND EGRESS REQUIREMENTS

USE GROUP	REQUIRED SEPARATION		AREA	OCCUPANT LOAD FACTOR	OCCUPANTS
	M	S			
M (MAIN OCC)	N/A	N/A	2,604	60 GROSS	44
S-1	N/A	N/A	277	300 GROSS	1
		TOTAL AREA	2,881 SF	TOTAL	45
		NUMBER OF EGRESS DOORS REQUIRED	2 (FOR EXIT DISTANCE)		

PLUMBING REQUIREMENTS

	REQUIRED				PROVIDED (EXISTING)			
USE GROUP	WC	LAV	DF	SERVICE...	WC	LAV	DF	SERVICE SINK
M	1 PER 500	1 PER 750	1 PER 1,000	1	NONE EXISITING		0	0
S-1	1 PER 100	1 PER 100	1 PER 1,000	1				
TOTALS	1	1	1 (HI-LO)	1				

*** PER BUILDING CODE SECTION 902*
SEPARATE FACILITIES SHALL NOT BE REQUIRED IN MERCANTILE OCCUPANCIES IN WHICH THE MAXIMUM OCCUPANT LOAD IS 100 OR FEWER.

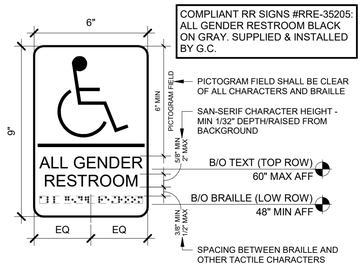
*** PER PLUMBING CODE SECTION 403*

FINISHES

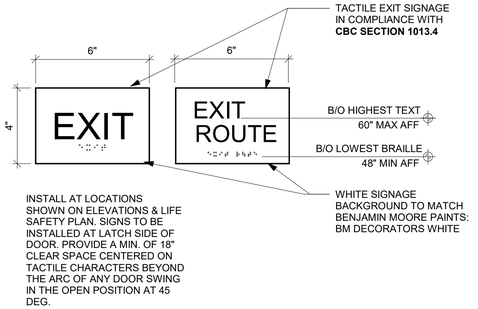
	REQUIRED	PROVIDED
EXIT ENCLOSURES AND PASSAGEWAYS	CLASS B	CLASS B
CORRIDORS	CLASS C	CLASS C
ROOMS AND ENCLOSED SPACES	CLASS C	CLASS C

ENERGY COMPLIANCE

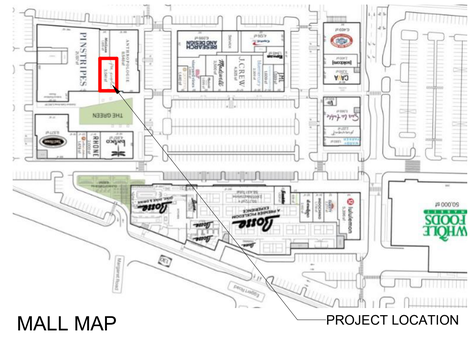
BLDG CLIMATE ZONE: 5A				
	REQUIRED		PROVIDED	
	U-VALUE	SHGC	U-VALUE	SHGC
FENESTRATION (FIXED)	0.38U	<0.2: 0.38 0.2<PF>0.5: 0.46 PF>0.5: 0.61		
GLAZED DOORS	0.77U			
WALLS (ABOVE GRADE)	METAL FRAMED:			
SKYLIGHTS	0.50U	0.4		



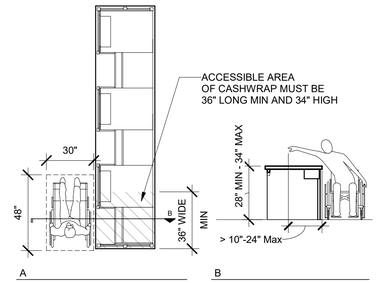
TACTILE TOILET ROOM SIGNAGE



TACTILE EXIT SIGNAGE

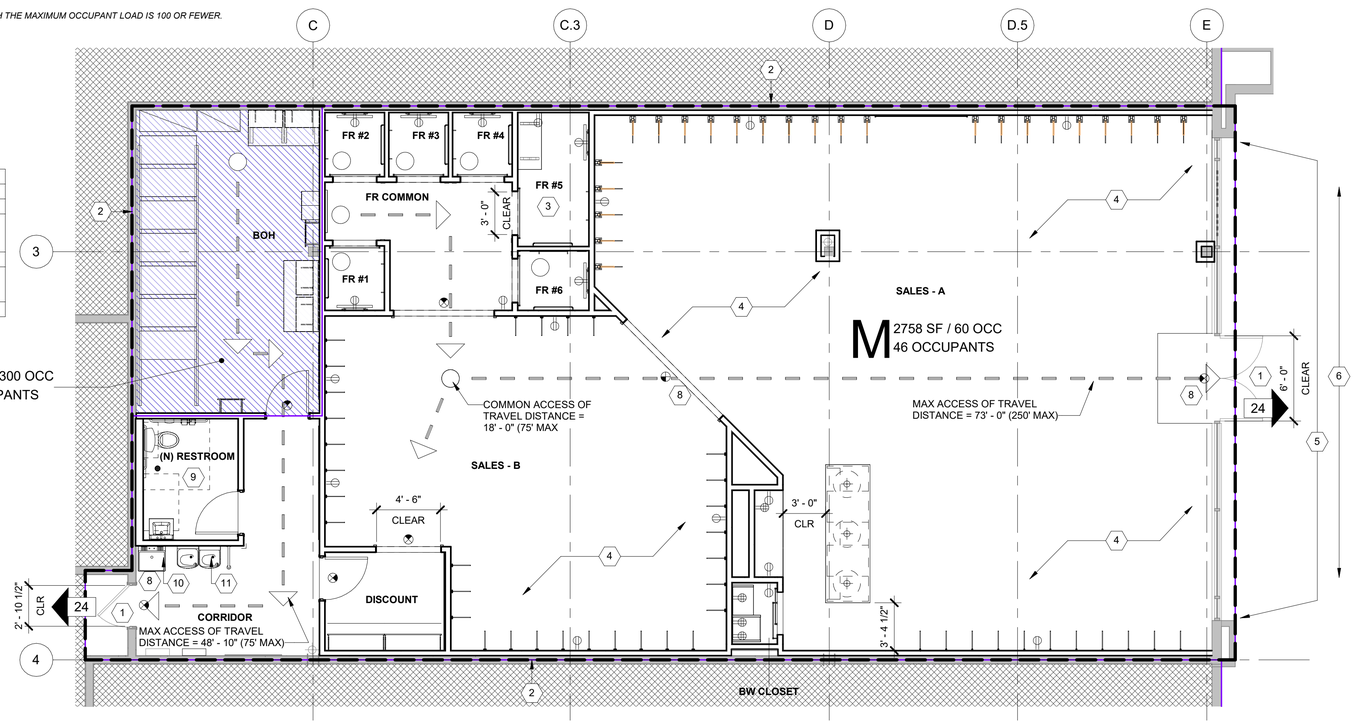


MALL MAP



TYP ACCESSIBLE CASHWRAP

SCALE: NTS



1 LIFE SAFETY PLAN

G002 SCALE: 3/16" = 1'-0"

CODE PLAN KEYNOTES

#	Code Plan Keynotes
1	DOORS AND FLOOR THRESHOLD TRANSITIONS ARE CODE COMPLIANT AND PROVIDED BY LANDLORD
2	DEMISING WALL
3	ACCESSIBLE FITTING ROOM
4	EGRESS CORRIDOR WIDTH OF 44" MINIMUM TO BE MAINTAINED THROUGHOUT FIXTURES ON SALES FLOOR.
5	EXISTING STOREFRONT
6	MALL CONCOURSE
8	EXIT SIGN ABOVE
9	PROVIDE TACTILE EXIT SIGNAGE - SEE 2/G002
10	EXISTING ACCESSIBLE RESTROOM TO REMAIN
11	NEW HI/LO DRINKING FOUNTAIN

LIFE SAFETY LEGEND

- ## — CALCULATED OCCUPANCY EXITING THROUGH EGRESS EXIT
- EXIT ACCESS (COMMON PATH OF TRAVEL PRIOR TO MULTIPLE OPTIONS)
- FE — FIRE EXTINGUISHER
- 1-HR RATED PARTITION
- 2-HR RATED PARTITION
- ACCESSIBILITY CLEARANCES
- EXIT SIGNAGE
- EMERGENCY LIGHTING

OCCUPANCY LEGEND

- M — MERCANTILE
- S-1 — STORAGE - TYPE 1
- NOT IN CONTRACT

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LIFE SAFETY PLAN & CODE REVIEW

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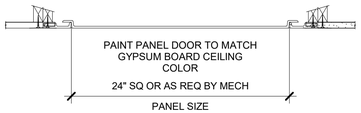
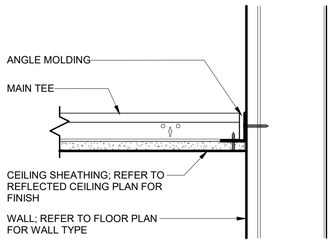


INTEX FORMS INC., PHONE: 916.388.9933

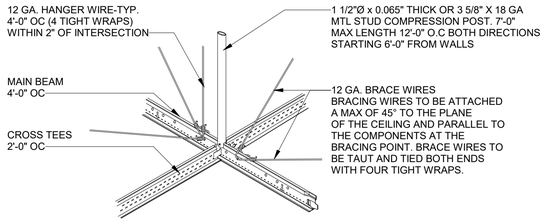
7 CEILING ACCESS PANEL DETAIL

G003 SCALE: 1 1/2" = 1'-0"



6 TYP GYP BD CEILING PERIMETER

G003 SCALE: 3" = 1'-0"

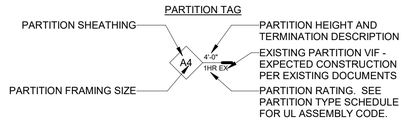


5 CEILING SEISMIC BRACING DETAIL

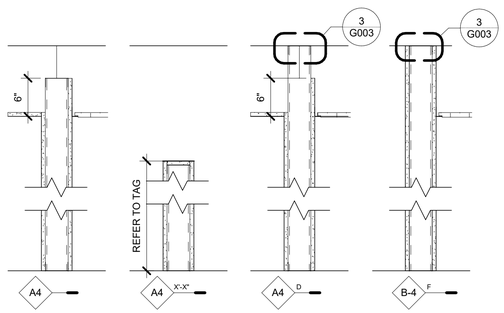
G003 SCALE: 3/4" = 1'-0"

PARTITION NOTES

1. UNO EXISTING PARTITIONS TO REMAIN SHALL BE PATCHED AND PREPARED TO RECIEVE SCHEDULED FINISH.
2. ALL PENETRATIONS IN FIRE RATED ASSEMBLIES (EXISTING OR NEW) SHALL BE SEALED WITH UL LISTED FIRE RATED MATERIAL TO MAINTAIN THE FIRE RATING OF THE WALL.
3. ALL METAL STUDS SHALL BE 20 GA UNO BY ARCHITECT OR STRUCTURAL. REFER TO STRUCTURAL DOCUMENTS.
4. ALL GYP BD TO BE APPLIED VERTICALLY UNO.
5. REFER TO FINISH SCHEDULE FOR ASTM GYP BD WALL FINISH LEVEL.
6. SUBSTITUTE MOISTURE RESISTANT GYP BD (GREENBOARD) AT ALL DAMP LOCATIONS AND AS NOTED, INCLUDING BUT NOT LIMITED TO TOILET ROOM WALLS, ADJACENT TO MOP SINK AND DRINKING FOUNTAIN.
7. SUBSTITUTE CEMENTITIOUS BACKER BOARD IN PLACE OF GYP BD BEHIND ALL TILE FINISHES AND AS NOTED.
8. REFER TO FINISH SCHEDULE AND ELEVATIONS FOR WALL FINISHES.
9. PROVIDE TYPE-X GYP BD AT RATED LOCATIONS.
10. REFER TO STRUCTURAL FOR WALL BRACING.
11. ***** project manager delete note if not applicable ***** ALL CONCEALED WOOD BLOCKING AND PLY WD TO BE FIRE RETARDANT TREATED (FRT).



PARTITION TERMINATION DESCRIPTIONS



NO DESCRIPTION= FRAMING TO 6" ABOVE ADJACENT CEILING - BRACING AS REQUIRED. FINISH PER FACE TO STOP AT GYP BD CEILING OR 6" ABOVE ACT CEILING

HEIGHT NOTED = TOP OF PARTITION TO HEIGHT INDICATED ON TAG. UNO IN DETAILS FRAMING AND FINISH FULL HEIGHT

D= FRAMING TO DECK. FINISH PER FACE TO STOP AT GYP BD CEILING OR 6" ABOVE ACT CEILING. IF NO CEILING FINISH TO DECK.

F = FRAMING AND FINISH TO DECK BOTH FACES.

2 PARTITION TAG KEY

G003 SCALE: 1" = 1'-0"

WALL TYPES

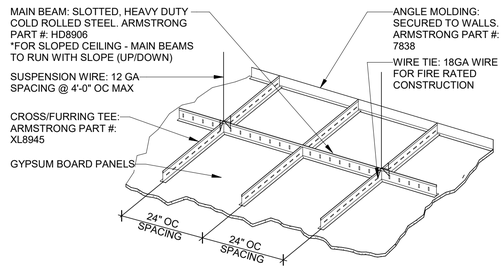
WALL TYPE	ASSEMBLY	WIDTH	NOTES/REMARKS
EXISTING PARTITIONS			
EX	EXISTING PARTITION	VARIES	EXISTING PARTITION. WHERE EXISTING PARTITIONS ARE TAGGED AS NEW PARTITION TYPES, ASSEMBLY IS ASSUMED BASED ON EXISTING DOCUMENTS AND SHOULD BE VIF AS REQUIRED.
A SERIES - GYP BD FINISH BOTH SIDES			
A4	5/8" GYP BD 3 5/8" MTL STUD @ 16" OC 5/8" GYP BD	4-7/8"	3 5/8" METAL STUD AT 16" OC WITH 5/8" GYP BOTH SIDES REFER TO UL #U419 WHEN RATED 5/8" CEMENT BOARD INPLACE OF GYP BD ON FACE TO RECIEVE FRP AS NOTED
A6	5/8" GYP BD 6" MTL STUD @ 16" OC 5/8" GYP BD	7-1/4"	6" METAL STUD AT 16" OC WITH 5/8" GYP BOTH SIDES REFER TO UL #U419 WHEN RATED
B SERIES - GYP BD FINISH ONE SIDE			
B	EXISTING CONSTRUCTION 5/8" GYP BD	5/8"	5/8" GYP BD ON EXISTING CONSTRUCTION
B1	EXISTING CONSTRUCTION 7/8" MTL HAT CHANNEL @ 16" OC 5/8" GYP BD	1-1/2"	7/8" METAL HAT CHANNEL AT 16" OC WITH 5/8" GYP BD
B2	2 1/2" MTL STUD @ 16" OC 5/8" GYP BD	3-1/8"	2 1/2" METAL STUD AT 16" OC WITH 5/8" GYP BD ONE SIDE
B4 B4.1	3 5/8" MTL STUD @ 16" OC 5/8" GYP BD	4-1/4"	3 5/8" METAL STUD AT 16" OC WITH 5/8" GYP BD ONE SIDE BATT INSUL IN STUD CAVITY AS TYPE B4.1
B6	6" MTL STUD @ 16" OC 5/8" GYP BD	6-5/8"	6" METAL STUD AT 16" OC WITH 5/8" GYP BD ONE SIDE
C SERIES - WD SLAT FINISH			
C	EXISTING OR NEW PARTITION (SEE PLANS) 3/4" PLY WD	0-3/4"	3/4" WD SLAT FINISH OVER EXISTING OR NEW PARTITION SEE PLANS FOR PARTITION TYPE BEHIND WD FINISH

CEILING TYPES

CEILING TYPE	ASSEMBLY	NOTES/REMARKS
CL-1	SUSPENSION WIRE STEEL TRACK 5/8" GYP BD	5/8" GYP BD ATTACHED TO SUSPENDED CEILING SYSTEM. SEE ISOMETRIC DETAILS ON BUILDING SYSTEMS SHEET.

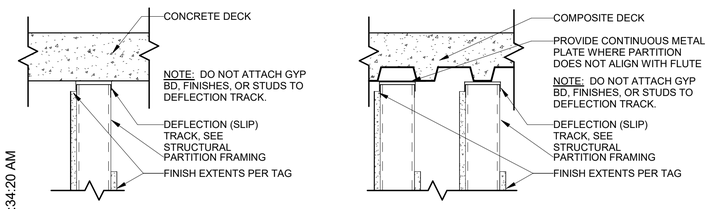
NOTES:
1. REFER TO FINISH SCHEDULE AND RCP FOR CEILING FINISHES.

NOTE:
THE SUSPENDED GYPSUM BOARD CEILING FRAMING SHOWN IS BASED UPON THE ARMSTRONG DRYWALL GRID & FRAMING SYSTEM. USG CEILING SYSTEM IS SIMILAR & AN ACCEPTED SUBSTITUTE. CONSULT W/ OWNER & ARCHITECT IF MFR CHANGES ARE MADE. THE USE OF BLACK IRON & HAT CHANNEL IS NOT AN ACCEPTED SUBSTITUTE AS LIGHT FIXTURE HOUSINGS WILL NOT ADEQUATELY CLEAR FRAMING.



4 TYPICAL SUSPENDED GYP CEILING FRAMING

G003 SCALE: 3/4" = 1'-0"



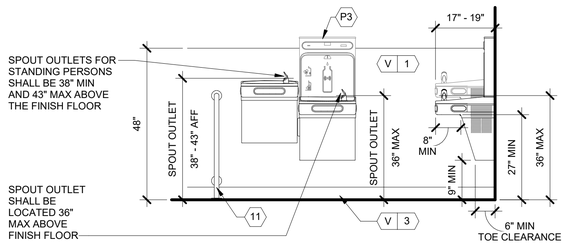
3 PARTITION CONNECTIONS DECK

G003 SCALE: 1 1/2" = 1'-0"

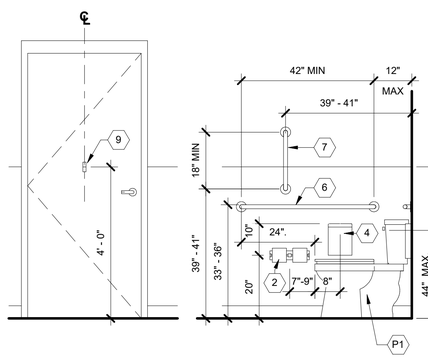
TOILET ACCESSORY SCHEDULE

1. MIRROR BOBRICK
2. TOILET PAPER DISPENSER BOBRICK
3. PAPER TOWEL DISPENSER BOBRICK
4. SANITARY NAPKIN DISPOSAL BOBRICK
5. 36" GRAB BAR 1-1/2" BOBRICK
6. 42" GRAB BAR 1-1/2" BOBRICK
7. MOP RACK
8. COAT HOOK BOBRICK
9. TOILET SEAT DISPENSER BOBRICK
10. WALL SHELVING
11. 18" GRAB BAR 1-1/2" BOBRICK
12. INSTAHOT WATER HEATER

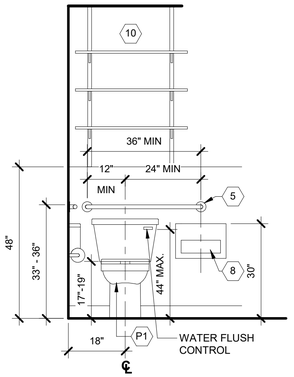
P1. WATER CLOSET SEE PLUMBING DWG FOR DETAILS
P2. LAVATORY SEE PLUMBING DWG FOR DETAILS
P3. HI-LO DRINKING FOUNTAIN W/ BOTTLE FILLER SEE PLUMBING DWG FOR DETAILS



DRINKING FOUNTAIN - FRONT ELEVATION

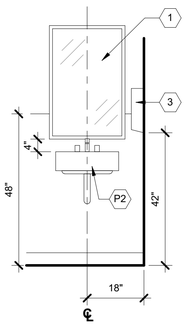


RESTROOM DOOR - FRONT ELEVATION

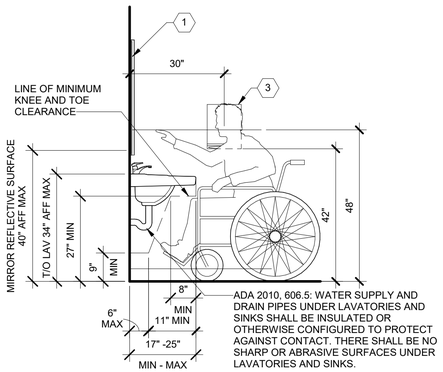


WATER CLOSET - SIDE ELEVATION

WATER CLOSET - FRONT ELEVATION



LAVATORY - FRONT ELEVATION



LAVATORY - SIDE ELEVATION

1 TYP TOILET RM ELEVATIONS

G003 SCALE: 1/2" = 1'-0"

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DRAWN BY: Author CHECKED BY: JM/ AJ

NSA PROJECT NUMBER: 2024-572

PROJECT PHASE: CD

ISSUE / DATE :

CHECK SET	10.10.2025
BID/ PERMIT	10.31.2025

SHEET TITLE :

BUILDING SYSTEMS

SHEET NO.:

G003

10/31/2025 11:34:20 AM

MATERIAL SCHEDULE - FP COLLECTION - STATION TWELVE, AMHERST, NY

ISSUED 10/28/2025

	ITEMS IN SAMPLING PHASE TO FINALIZE						
KEY	**MATERIAL**	**FINISH**	**COLOR/STYLE**	**MFR/VENDOR**	**TSM #**	**S.F.**	**REMARKS**
EX-1	EXISTING TO REMAIN	CLEAN AS NEEDED	--	GC			AT EXISTING FINISHES AS INDICATED IN DRAWINGS.
CONCRETE							
C1	EXISTING CONCRETE FLOOR	CLEAR SEALER	QUIKCRETE NATURAL LOOK WATERPROOFER #02-51092-07 CLR	QUIKRETE / GC			AT BOH
GYP BD AND FINISH - INCLUDES SPECIAL FINISHES							
G1	GWB - (1) COAT PRIMER; (2) COATS PAINT	AURA MATTE	BM OC-17 WHITE DOVE	GC			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 4 FINISH
G2	GWB	JOINT COMPOUND	BM OC-17 WHITE DOVE	FINISH BY DONE & DUSTED			AT DISCOUNT ROOM. GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 3 FINISH
G3	GWB	MICA JOINT COMPOUND	BM OC-17 WHITE DOVE	FINISH BY DONE & DUSTED			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 3 FINISH FOR ANY NEW WALLS (WITHOUT PRIMER). FOR EXISTING WALLS, GC TO BRING TO LEVEL 4 LIKE FINISH. SAND AND MAKE SURE SURFACE IS SMOOTH OF DEBRIS BEFORE PRIMING FOR SPECIAL FINISHER. DO NOT PAINT EXISTING WALLS FOR SPECIAL FINISHER.
G4	GWB - (1) COAT PRIMER; (2) COATS PAINT	FLAT PAINT FINISH	BM OC-17 WHITE DOVE	GC			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 4 FINISH
G5	FIRE TAPE ONLY - (1) COAT PRIMER; NO PAINT	--	--	GC			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND SURFACE TO BE SMOOTH FREE OF DEBRIS. AT BOH WALLS ONLY.
G6	GWB - (1) COAT PRIMER; (2) COATS PAINT	EGGSHELL PAINT FINISH	BM 2124-20 TROUT GRAY	GC			AT BOH CORRIDOR. GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 3 PAINT READY FINISH
G7 FINISHES (DONE AND DUSTED)							
G7	GWB	JOINT COMPOUND	GLADY'S PINK W/ GLASS GLITTER	FINISH BY DONE AND DUSTED			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 4 FINISH.
G8	GWB	JOINT COMPOUND	GLADY'S PINK - NO GLASS GLITTER	FINISH BY DONE AND DUSTED			AT FITTING ROOM STALL WALLS ONLY. GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 4 FINISH.
GLAZING							
GL-1	1" INSULATED GLAZING	--	CLEAR	GC			AT STOREFRONT AND ENTRY DOORS. BLACK SPACERS. GC TO INSTALL.
GL-2	1/4" MIRROR GLASS	--	CLEAR	GC			AT SALES AND FR STALL MIRRORS. REFER TO DRAWINGS FOR SIZES AND LOCATIONS. GC TO INSTALL.
GLAZING FILM							
GL-X1	DABU PATTERN FILM - PATTERN IN OPAQUE	MATTE	CLEAR W/ PRINT	USSM	TS-303	SQ FT	AT STOREFRONT GLAZING. APPLIED ON INTERIOR SIDE OF GLASS. USSM TO PROVIDE AND INSTALL (REVERSE CUT). REFER TO DRAWINGS FOR SIZES AND LOCATIONS.
GL-X2	5"H DECAL WITH NEOTERIC LETTERS	--	WHITE	USSM	TS-302	1	AT STOREFRONT WINDOW. APPLIED ON INTERIOR SIDE OF GLASS TO CONCEAL 3D SIGN ADHESIVE. REVERSE CUT. USSM TO INSTALL. REFER TO DRAWINGS FOR LOCATIONS.
MT-2	ALUMINUM STOREFRONT ENTRY DOORS AND DOOR FRAMES	MATCH EXISTING FRAMING	MATCH EXISTING FRAMING	GC		1 SET	AT ENTRY DOORS AND DOOR FRAMES TO MATCH EXISTING LL FRAMING. REFER TO DRAWINGS FOR ACTUAL SIZES AND LOCATIONS. GC TO INSTALL.
MT-3	CUSTOM TEXTURED BRASS CURVED DOOR HANDLES AND BRASS PUSH PLATES (2-1/2" WIDE X 20" LONG) - 18" PULLS (C.L. OF HOLE TO HOLE)	--	TEXTURED BRASS W/ BABY PINGS	USSM	TS-330	2 SETS	2 PULLS ON EXTERIOR; 2 PUSH PLATES ON INTERIOR OF ENTRY DOORS. BOTH PULLS AND PUSH PLATES TO RECEIVE BABY PINGS TEXTURE. SCREWS TO MATCH, FLUSHED WITH PUSH PLATES. GC TO INSTALL WITH ANY OTHER REQUIRED HARDWARE IN BRASS TO MATCH. REFER TO DRAWINGS FOR LOCATIONS AND LAYOUT.
PAINT							
P1	PAINT ON EXISTING - (1) COAT PRIMER; (2) COATS PAINT	AURA MATTE	BM OC-17 WHITE DOVE	GC			GC TO MAKE SURE SURFACE IS SMOOTH FREE OF DEBRIS BEFORE PAINTING.
PLASTER & CEMENT - SPECIAL FINISHER							
PL-4	PLASTER FINISH ON CW SHROUD	POLISHED MARBLE LIME PLASTER (SAME AS CITY CENTRE)	ETERNAL BEIGE (SAME AS CITY CENTRE)	FINISH BY DONE AND DUSTED	TS-220	APPROX. 60 SQ FT	SPECIAL FINISH AT CW SHROUD ON ALL 3 SIDES WITH RADIUSED CORNERS. MISKO TO PROVIDE MOISTURE RESISTANT MDF SUBSTRATE WITH MIN. 3/8" FOR SPECIAL FINISH APPLICATION. REFER TO DRAWINGS FOR LOCATIONS. SPECIAL FINISHER TO PROVIDE SAMPLES FOR BRAND APPROVAL BEFORE PROCEEDING.
STONE							
ST-1	1-1/2" BUILT UP CORIAN SOLID SURFACE TOP	--	SANDSTORM	MISKO / GC	TS-220 & TS-230	APPROX. 42 SQ FT (NOT INCLUDING WASTE)	AT CW AND BW TOPS. MISKO TO PROVIDE; GC TO INSTALL. REFER TO DRAWINGS FOR LAYOUT, DIMENSIONS AND LOCATIONS.
VINYL							
V1	FRP	PEBBLE FINISH	STANDARD WHITE S100 - S/2/S	MARLITE / GC			GC TO INSTALL UP TO 4'-0" A.F.F. PVC TRIM AS REQUIRED TO MATCH WHITE.
V2	12 X 12 VCT	--	SOFT WARM GRAY	ARMSTRONG / GC			INSTALL WITH GRAIN FACING ONE DIRECTION.
V3	4" VINYL BASE	--	MID GRAY #7 1 1/8" GAUGE	ARMSTRONG / GC			APPLY ONLY TO DRYWALL CONSTRUCTION (I.E. NOT TO CMU, ETC)
V4	FRP	PEBBLE FINISH	BLACK P807	MARLITE / GC			AT CORRIDOR DRINKING FOUNTAIN. INSTALL UP TO 4'-0" A.F.F. PVC TRIM AS REQUIRED TO MATCH BLACK.
WOOD FLOORING							
W1	PRE-FINISHED ENGINEERED WHITE OAK WOOD FLOORING (1/2" X 5", VARYING LENGTHS)	BONA CLASSIC AND BONA TRAFFIC (OR SIMILAR); MATTE FLAT FINISH AS PART OF PRE-FINISHED FLOORING	NATURAL	URBAN EVOLUTIONS / GC	TS-500	APPROX. 2350 SF TOTAL (NOT INCLUDING WASTE)	AT SALES, FITTING ROOMS, AND DISCOUNT. DIRECT GLUE DOWN WITH BOSTIK'S BEST. PRE-FINISHED WITH BONA SEALER. FOLLOW ALL FLOOR PREP DIRECTVES TO ENSURE A WARRANTIED SYSTEM FROM BONA. ALL SEALER PRODUCTS SHOULD BE AS FLAT FINISH AS POSSIBLE. DO NOT USE BOARD THAT ARE SEVERELY WARPED. CURE PER BONA RECOMMENDATIONS.
WOOD CLADDING (NATURAL)							
W10	1X (3/4") NATURAL WHITE OAK WOOD CLADDING AND END CAPS, RIPPED TO SIZE - 8" WIDE BOARDS TO TRIM DOWN	AS-IS W/ CLEAR MATTE SEAL	NATURAL	GC		APPROX. 183 LF TOTAL (NOT INCLUDING WASTE)	END CAPS AT ACC WALLS (SALES) AND OPENING SURROUNDS AT SALES. FITTING ROOMS, AND DISCOUNT. PROVIDE 3/8" TO 1/2" OVERHANG ON EACH SIDE OF WALL TO CAPTURE SPECIAL FINISH AT OPENING SURROUNDS. GET AS WIDE OF BOARDS AS POSSIBLE SO THERE ARE NO SEAMS. SELECT BATCH WITH AS LITTLE VARIATIONS IN COLOR AS POSSIBLE SINCE WOOD WILL BE LEFT NATURAL. FINISH NAIL AND PUTTY. SAMPLE TO BE VERIFIED BY BRAND. REFER TO DRAWINGS FOR ACTUAL SIZES AND LOCATIONS. GRADE: SELECT GRADE "S4S". GC TO INSTALL.
W11	PRE-HUNG WOOD DOOR WITH 3 OR 5-PANEL NATURAL WOOD CLADKIT (SALES SIDE ONLY)	AS-IS W/ CLEAR MATTE SEAL	NATURAL	MISKO / GC	TS-510	APPROX. 24 SF TOTAL (NOT INCLUDING WASTE)	3'-0" X 8'-0" SALES/BOH DOOR. IRREGULAR PLANK LAYOUT ON SALES SIDE ONLY. FINISH NAIL AND PUTTY. MISKO TO PROVIDE PRE-HUNG WOOD DOOR AND WOOD CLADDING - CLEAN SAWN; NO SAW MARKS. SELECT BATCH WITH AS LITTLE VARIATIONS IN COLOR AS POSSIBLE SINCE WOOD WILL BE LEFT NATURAL. GET AS LONG BOARDS AS POSSIBLE TO AVOID SEAMS. IF SEAMED, AVOID SEAMING IN MIDDLE OF DOOR. GC TO INSTALL; KERFED FACE DOWN (BACK SIDE). REFER TO DRAWINGS FOR ACTUAL SIZES AND LOCATIONS. GC TO PROVIDE EMTEK BRISBANE PULL AND MODERN PUSH PLATE IN DARK BRONZE FINISH 613 / US10B
WOOD CLADDING (PAINTED)							
W20	6" W (5-1/2") POPLAR WOOD SLATS W/ 1/8" SPACING BETWEEN BOARDS, VERTICAL PATTERN	EGGSHELL FINISH - 1 COAT W/ CLEAR MATTE SEAL	BM OC-17 WHITE DOVE	GC		APPROX. 160 SQ FT (NOT INCLUDING WASTE)	AT ACCESSORY WALLS AT SALES AND DISCOUNT. START LAYOUT CENTERED AND WORK OUT. GC TO PROVIDE WOOD CLADDING - CLEAN SAWN; NO SAW MARKS, PAINT AND INSTALL. FINISH NAIL AND PUTTY. SAMPLE TO BE VERIFIED BY BRAND. PROVIDE SAMPLE OF 1 COAT AND 2 COATS FOR APPROVAL.
WOOD SHROUDS							
W30	NATURAL WHITE OAK WOOD SHROUDS - PRE-DRILLED	AS-IS W/ CLEAR MATTE SEAL	AS-IS	MISKO / GC	TS-401	24	10'-0" HIGH OUTRIGGERS AT SALES. FINISH NAIL AND PUTTY. REFER TO DRAWINGS FOR LOCATIONS. GC TO INSTALL.
W32A	NATURAL WHITE OAK WOOD BATTENS - VERTICAL ORIENTATION (PRE-DRILLED)	AS-IS W/ CLEAR MATTE SEAL	AS-IS	MISKO / GC	TS-403A	30	12'-0" AFF FLOOR TO CEILING, VIF FOR FLAT STANDARDS AT SALES. FINISH NAIL AND PUTTY. GRADE: SELECT GRADE "S4S". MISKO TO SEND WITH A FEW INCHES EXTRA ON TOP AND BOTTOM OF SHROUDS FOR SITE CONDITIONS. GC TO CUT TO SIZE IN FIELD ON TOPS AND BOTTOMS AND INSTALL. SECURE FROM FRONT FACE OF SHROUD AS NEEDED. REFER TO DRAWINGS FOR SIZES AND LOCATIONS.
W32B	NATURAL WHITE OAK WOOD BATTENS - VERTICAL ORIENTATION (SOLID/NO HOLES)	AS-IS W/ CLEAR MATTE SEAL	AS-IS	MISKO / GC	TS-403B	6	12'-0" AFF FLOOR TO CEILING, VIF AT SALES BY FR OPENING. FINISH NAIL AND PUTTY. GRADE: SELECT GRADE "S4S". MISKO TO SEND WITH A FEW INCHES EXTRA ON TOP AND BOTTOM OF SHROUDS FOR SITE CONDITIONS. GC TO CUT TO SIZE IN FIELD ON TOPS AND BOTTOMS AND INSTALL. SECURE FROM FRONT FACE OF SHROUD AS NEEDED. REFER TO DRAWINGS FOR SIZES AND LOCATIONS.
W33	NATURAL WHITE OAK WOOD BATTENS - HORIZONTAL ORIENTATION (SOLID/NO HOLES)	AS-IS W/ CLEAR MATTE SEAL	AS-IS	MISKO / GC	TS-404	99 LF (NOT INCLUDING WASTE)	AT SALES TO BE INSTALLED WITH W-34A AND W34B. FINISH NAIL AND PUTTY. GRADE: SELECT GRADE "S4S". MISKO TO SEND WITH A FEW INCHES EXTRA ON TOP AND BOTTOM OF SHROUDS FOR SITE CONDITIONS. GC TO CUT TO SIZE IN FIELD AND INSTALL. SECURE FROM FRONT FACE OF SHROUD AS NEEDED. REFER TO DRAWINGS FOR SIZES AND LOCATIONS.
MISCELLANEOUS							
X1	CUSTOM PEDIMAT (6'-4" WIDE X 4'-0" LONG, VIF TO ALIGN WITH FRAMING)	--	ESPRESSO OR EQUAL	AMERICAN FLOOR MATS / GC		APPROX. 25 SF TOTAL (NOT INCLUDING WASTE)	AT STOREFRONT ENTRY. GC TO INSTALL WITH SCHLUTER STRIP IN BRASS FINISH AS NEEDED AT FLOOR TRANSITIONS. REFER TO DRAWINGS FOR DIMENSIONS. GC TO PROVIDE MAT COLOR SAMPLE TO BE APPROVED BY BRAND.

GENERAL FINISH NOTES

1.REFER TO INTERIOR ELEVATIONS AND PLANS FOR PATTERNS AND DIMENSIONAL EXTENT OF FINISHES
2.REFER TO WALL PARTITIONS SHEET AND FLOOR PLANS FOR WALL TYPES AND SUBSTRATES
3.UNLESS NOTED OTHERWISE, FINISHES ARE TO BE INSTALLED BY G.C.
4.FINISHES SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND REQUIREMENTS FOR INTERIOR FINISH AND TRIM. ALL FINISH MATERIALS TO BE CLASS "A" OR CLASS "B" FLAME SPREAD AND SMOKE DEVELOPMENT CLASSIFICATION.
5.ALL COMBUSTIBLE FINISHES, i.e. WOOD TRIM PANELS, IF REQUIRED BY LOCAL CODES, SHALL BE FIELD TREATED WITH THE FOLLOWING: FLAME STOP II PAINT FROM FLAT STOP, INC. THIS PAINT SHALL BE MATTE, CLEAR WATER BASED AND NON-TOXIC FORMULATION, TESTED AS PER ASTM-E84, CLASS A FLAME SPREAD OF 0 AND SMOKE DEVELOPED RATING OF 10.
6.FINISH/MATERIAL APPLICATION MUST CONFORM TO LOCAL AIR POLLUTION CONTROL AUTHORITY'S REQUIREMENTS.
7.U.N.O. NO BASES OR TRIMS WILL BE INSTALLED AT BOTTOM EDGES OF WALLS OR AT CUTOUTS. THEREFORE, ALL EDGES OF ALL WALL SURFACES SHALL BE CUT, FINISHED AND INSTALLED IN A CLEAN AND LEVEL MANNER.
8.UNLESS OTHERWISE NOTED (U.O.N.) ALL STEEL FIXTURE STANDARDS (TUBE STEEL, ANGLES, PLATES, FASTENERS, ETC...) TO BE OF ASTM500 GRADE B HOT ROLLED STRUCTURAL STEEL, AND FINISHED PER FINISH TAG S-1 ABOVE. SUBMIT SAMPLE TO UOI FOR REVIEW AND APPROVAL.

ROOM FINISH SCHEDULE

Room Number	Room Name	Floor Finish	Base Finish	Wall Finish N	Wall Finish S	Wall Finish E	Wall Finish W	Ceiling Finish	Ceiling Height	Comments
100	SALES - A	W1	-	G3 & W20	G3	G3	G3	G4	12'-0"	
101	BW CLOSET	W1	-	G4	G4	G4	G4	G4	12'-0"	
102	SALES - B	W1	-	G3	G3	G3	G3	G4	12'-0"	
103	FR COMMON	W1	-	G7	G7	G7	G7	G4	10'-6"	
104	FR #1	W1	-	G8	G8	G8	G8	G4	9'-6"	
105	FR #2	W1	-	G8	G8	G8	G8	G4	9'-6"	
106	FR #3	W1	-	G8	G8	G8	G8	G4	9'-6"	
107	FR #4	W1	-	G8	G8	G8	G8	G4	9'-6"	
108	FR #5	W1	-	G8	G8	G8	G8	G4	9'-6"	
109	FR #6	W1	-	G8	G8	G8	G8	G4	9'-6"	
110	DISCOUNT	W1	-	G2	G2	G2	G2	G4	10'-6"	
111	CORRIDOR	C1	V3	G6	G6	G6	G6	-	OPEN DECK	
112	(N) RESTROOM	V2	V3	G1	G1	G1	G1	G4	9'-0"	
113	BOH	C1	V3	P1	G5	G5	P1	-	OPEN DECK	

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NSA PROJECT NUMBER: 2024-572

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FINISH SCHEDULE

SHEET NO.:

G004

10/31/2025 11:34:25 AM

TENANT SUPPLIED MATERIAL RESPONSIBILITY MATRIX
FP COLLECTION - STATION TWELVE, AMHERST, NY

ISSUED 10/28/2025

ITEMS IN DEVELOPMENT

TSM NUMBER	CATEGORY	VENDOR	UOI OWNER	QUANTITY	COMMENTS
TS001-TS099	**LOW VOLTAGE AND ELECTRICAL SPECIALTIES**				
TS-001	TELEPHONE SYSTEM	SPENCER	MIS	1	REVIEW QTY REQ'D IN DRAWING SET
TS-002	NOT USED				
TS-003	AUDIO SYSTEM	PLAY NETWORK	PURCHASING	1	REVIEW QTY REQ'D IN DRAWING SET
TS-004	SECURITY ALARM SYSTEM	VECTOR	PURCHASING	1	REVIEW QTY REQ'D IN DRAWING SET
TS-005	POS EQUIPMENT - 3 UNITS (MODIFIED)	SPENCER	MIS	1	REVIEW QTY REQ'D IN DRAWING SET
TS-006	AUDIO PLAYER	PLAY NETWORK	PURCHASING	1	REVIEW QTY REQ'D IN DRAWING SET
TS-007	WALL DATA CABINET	IT	IT	1	REVIEW QTY REQ'D IN DRAWING SET
TS100-TS199	**LIGHTING**				
TS-100	BULK LIGHTING	LAMPS.COM	PURCHASING		REVIEW QTY REQ'D IN DRAWING SET; GC TO INSTALL
TS-101	PERFORATED COPPER PENDANT SHADES - 16" DIA.	HANSA	PURCHASING	10	(1) CENTERED PER TYPICAL FR STALL @ 7'-6" AFF TO B.O. SHADE; NOT BULB. (2) CENTERED IN ADA STALL @7'-6" AFF TO B.O. SHADE. (3) CENTERED ABOVE CASHWRAP @7'-0" AFF TO B.O. SHADE; NOT BULB. REVIEW QTY REQ'D IN DRAWING SET; GC TO INSTALL
TS200-TS299	**OPERATIONS**				
TS-200	LOCKSET CORES	BASS	PURCHASING	1	REVIEW QTY, REQ'D IN DRAWING SET; GC TO INSTALL
TS-201	OFFICE SAFE	WILSON	PURCHASING	1	GC TO BOLT TO FLOOR
TS-202	MANAGER'S DESK	MISKO	PURCHASING	1	REVIEW DIMENSION REQ'D IN DRAWING SET; GC TO INSTALL
TS-203	RECEIVING DESK	MISKO	PURCHASING	1	REVIEW DIMENSION REQ'D IN DRAWING SET; GC TO INSTALL
TS-204	LOCKERS	S&S INDUSTRIAL	PURCHASING	2	GC TO SECURE TO WALL
TS-205	BOH SHELVING (INCLUDING MOBILE)	MMI	PURCHASING		REVIEW QTY, REQ'D IN DRAWING SET
TS-206	HANGER TIGHTS - 21" (2 STARTER UNITS)	IRSG	PURCHASING	2	REVIEW QTY, REQ'D IN DRAWING SET; GC TO INSTALL
TS-207	2x6 HOMOSOTE PANEL	MISKO	PURCHASING	1	REVIEW LOCATION IN DRAWING SET; GC TO INSTALL
CASHWRAP					
TS-220	FP COLLECTION CASHWRAP (3 POS Unit) WITH 5" BUILT-UP CORIAN TOP (ON 3 SIDES ONLY; BUMP CORIAN BACK UP AS NEEDED ON EMPLOYEE SIDE) WITH 7" RADIUSED CORNERS ON CUSTOMER SIDE THROUGHOUT, SPECIAL FINISH PLASTER SHROUD, NATURAL WHITE OAK WOOD TRIMS, 3" HIGH KICK AND MILLWORK.	MISKO	PURCHASING	1	CW AND TOP BY MISKO. SHROUD PLASTER FINISH BY SPECIAL FINISHER. MISKO TO PREP SUBSTRATE AS NEEDED WITH MOISTURE RESISTANT MDF AND PROVIDE 3/8" MIN FOR SPECIAL FINISHER TO COMPLETE SHROUD ON ALL 3 SIDES. REFER TO DRAWINGS FOR LAYOUT. GC TO INSTALL.
BACKWRAP					
TS-230	CUSTOM BACKWRAP WITH 1 1/2" BUILT-UP CORIAN TOP, NATURAL WHITE OAK MILLWORK WITH DKC PULLS AND FLEXIBLE SHELVING (NO DOORS)	MISKO & DKC	PURCHASING	1 (AND 5 COPPER FINISH DKC PULLS)	BW AND FLEXIBLE SHELVING BY MISKO. CUSTOM FLEXIBLE BW SHELVING WITH NO DOORS LOCATED BEHIND ARCHED OPENING. DKC TO PROVIDE PULLS. GC TO INSTALL.
TS-231	CURTAIN RODS - BLACKENED FINISH W/ CLEAR MATTE SEALER (2'-6" LONG)	CREATIVE	PURCHASING	2	AT BACKWRAP CLOSET. CURTAINS OVERLAP; 1 ROD MOUNTED 2" HIGHER THAN THE OTHER. REFER TO DRAWINGS FOR DIMENSIONS AND LOCATIONS.
TS-232	CURTAIN ROD SUPPORTS - BLACKENED FINISH W/ CLEAR MATTE SEALER	CREATIVE	PURCHASING	2	AT BW CLOSET TO BE MOUNTED @ 10'-2" AFF TO C.L. OF ROD. GC TO INSTALL.
TS-233	CURTAIN ROD SUPPORTS - BLACKENED FINISH W/ CLEAR MATTE SEALER (4" OFFSET)	CREATIVE	PURCHASING	2	AT BW CLOSET TO BE MOUNTED @ 10'-4" AFF TO C.L. OF ROD. GC TO INSTALL.
TS-234	EMBROIDERED CURTAINS WITH RINGS AND NUBS (5' X 10'-3") - NEW STYLE IN DEVELOPMENT	DKC	PURCHASING	1	AT BW CLOSET. CURTAINS OVERLAP AT DIFFERENT HEIGHTS. TO BE PAIRED WITH TS-231 AND TS-233.
TS-235	EMBROIDERED CURTAINS WITH RINGS AND NUBS (5' X 10'-5") - NEW STYLE IN DEVELOPMENT	DKC	PURCHASING	1	AT BW CLOSET. CURTAINS OVERLAP AT DIFFERENT HEIGHTS. TO BE PAIRED WITH TS-231 AND TS-232.
TS-236	CAST TIE BACK HOOKS (2 PER FR) - ANTIQUE COPPER ELECTROPLATE FINISH	DKC	PURCHASING	2	MOUNTED ON INTERIOR SIDE 3" FROM OPENING; GC TO COORDINATE HEIGHT ON SITE. REVIEW QTY AND LOCATIONS IN DRAWING SET; GC TO INSTALL.
TS300-TS399	**STOREFRONT + SIGNAGE**				
MAIN SIGN - NEOTERIC (FRONT LIT)					
TS-300	F P NEOTERIC FONT SIGN - 3" DEEP FRONT LIT BRASS PAN LETTERS W/ ACRYLIC FACE	USSM	PURCHASING	1	1'-4" TALL LETTERS. LETTERS TO BE MOUNTED TO EXISTING CANOPY. USSM TO PROVIDE AND INSTALL. REFER TO DRAWINGS FOR LOCATIONS AND LAYOUT.
BARRICADE GRAPHICS AND WINDOW DECALS					
TS-301	NOT USED				
TS-302	F P NEOTERIC 1/2" DEEP SURFACE MOUNTED 3D WINDOW SIGNS - IN BLACK WITH BLACK VINYL BACKING	USSM	PURCHASING	1	5" HIGH LETTERS. USSM TO PROVIDE AND INSTALL. REFER TO DRAWINGS FOR LOCATIONS AND LAYOUT.
TS-303	DABU PRINT FILM - PATTERN IN OPAQUE; NEGATIVE IN CLEAR	USSM	PURCHASING	APPROX. 36 SQ FT (NOT INCLUDING WASTE)	AT STOREFRONT TRANSOM WINDOWS. USSM TO PROVIDE AND INSTALL. REFER TO DRAWINGS FOR LOCATIONS AND LAYOUT.
BLADE SIGNS					
TS-310	ALUMINUM SIGN PANEL WITH BENT 'FOLD OVER' DETAIL AND BLACK SIGN LETTERS SURFACE MOUNTED ON EACH SIDE	USSM	PURCHASING	1	9-1/2" HIGH X 1'-9" WIDE X 1/8" THK. ALUMIUM SIGN PANEL WITH BENT 'FOLD OVER' DETAIL PAINTED 'WHITE DOVE', WITH PAINTED BLACK 1-5/8" HIGH 'F' NEOTERIC ALUMINUM LETTERS SURFACE MOUNTED ON BOTH SIDES. PANEL TO BE ATTACHED TO SECONDARY 1/2" DIA. HORIZONTAL ROD. SECONDARY 1/2" DIA. VERTICAL RODS AND PRIMARY 1" DIA. ROD, GUSSET AND MOUNTING PLATE ATTACHMENTS TO BE IN BLACK TO MATCH. USSM TO PROVIDE AND INSTALL. REFER TO DRAWINGS FOR LOCATIONS AND LAYOUT.
STOREFRONT ENTRY DOOR HANDLES					
TS-330	CUSTOM CURVED DOOR HANDLES WITH PUSH PLATES - BRASS FINISH	USSM	PURCHASING	1 SET	2 PULLS ON EXTERIOR; 2 PUSH PLATES ON INTERIOR FOR ENTRY DOORS. GC TO INSTALL.
TS400-TS499	**WALL STANDARDS**				
TS-400	10'-0" OUTRIGGER STANDARDS- 1-1/2" X 2"- NATURAL	CREATIVE	PURCHASING	24	AT SALES. GC TO INSTALL.
TS-401	10'-0" NATURAL WHITE OAK SHROUDS - PRE-DRILLED	MISKO	PURCHASING	24	AT SALES. GC TO INSTALL.
TS-402	8'-10" FLAT SURFACE MOUNTED WALL STANDARDS - NATURAL FINISH	CREATIVE	PURCHASING	30	AT SALES TO BE INSTALLED WITH TS-403A WOOD BATTENS. B.O. FLAT STANDARDS MOUNTED AT 10" AFF; FIRST NUT AT 18" AFF O.C. TYP.; LAST NUT AT 9'-0" AFF. GC TO INSTALL.
TS-403A	12'-0" FLOOR TO CEILING NATURAL WHITE OAK WOOD BATTEN SHROUDS - PRE-DRILLED (VERTICAL ORIENTATION)	MISKO	PURCHASING	30	AT SALES TO BE INSTALLED WITH TS-402 STANDARDS. B.O. FIRST HOLE AT 18" AFF, TYP.; LAST HOLE AT 9'-0" AFF, TYP. MISKO TO SEND WITH A FEW INCHES EXTRA ON TOP AND BOTTOM OF SHROUDS FOR SITE CONDITIONS. GC TO CUT TO SIZE IN FIELD ON TOPS AND BOTTOMS AND INSTALL.
TS-403B	12'-0" FLOOR TO CEILING NATURAL WHITE OAK WOOD BATTEN SHROUDS - NOT DRILLED (VERTICAL ORIENTATION)	MISKO	PURCHASING	6	AT SALES. MISKO TO SEND WITH A FEW INCHES EXTRA ON TOP AND BOTTOM OF SHROUDS FOR SITE CONDITIONS. GC TO CUT TO SIZE IN FIELD ON TOPS AND BOTTOMS AND INSTALL.
TS-404	NATURAL WHITE OAK WOOD BATTENS - NOT DRILLED (HORIZONTAL ORIENTATION)	MISKO	PURCHASING	99 LF (NOT INCLUDING WASTE)	AT SALES TO BE INSTALLED WITH TS-402, TS-403A AND TS-403B. GC TO CUT IN FIELD AND INSTALL.
TS-405	8'-10" FLAT SURFACE MOUNTED WALL STANDARDS - POWDER COATED RAL 9001 (MATTE FINISH)	CREATIVE	PURCHASING	11	SALES. B.O. FLAT STANDARDS MOUNTED AT 10" AFF; FIRST NUT AT 18" O.C. TYP.; LAST NUT AT 9'-0" AFF. GC TO INSTALL.
TS500-TS599	**FLOOR/WALL/CEILING MATERIALS**				
TS-500	PRE-FINISHED ENGINEERED WHITE OAK WOOD FLOORING (1/2" X 5", VARYING LENGTHS)	URBAN EVOLUTIONS	PURCHASING	APPROX. 2350 SF TOTAL (NOT INCLUDING WASTE)	AT SALES, FITTING ROOMS, AND DRINKING FOUNTAIN CORRIDOR. DIRECT GLUE DOWN WITH BOSTIK'S BEST. PRE-FINISHED WITH BONA SEALER. FOLLOW ALL FLOOR PREP DIRECTIVES TO ENSURE A WARRANTIED SYSTEM FROM BONA. ALL SEALER PRODUCTS SHOULD BE AS FLAT FINISH AS POSSIBLE. DO NOT USE BOARD THAT ARE SEVERELY WARPED. CURE PER BONA RECOMMENDATIONS.
WOOD CLADKITS					
TS-510	PRE-HUNG WOOD DOOR WITH 3 OR 5-IRREGULAR PANEL WOOD CLAD KIT - 3' x 8' DOOR (NATURAL)	MISKO	PURCHASING	1	3'-0" X 8'-0" SALES/CORRIDOR DOOR. IRREGULAR PLANK LAYOUT ON SALES SIDE ONLY. MISKO TO PROVIDE PRE=HUNG WOOD DOOR WITH NATURAL WOOD CLADDING TO SITE - CLEAN SAWN; NO SAW MARKS. G.C. TO INSTALL; KERFED FACE DOWN (BACK SIDE). REVIEW QTY, SIZES AND LOCATIONS REQ'D IN DRAWINGS. DOOR FRAME TO BE PAINTED SAME COLOR AS ADJACENT WALL FINISH. GC TO PROVIDE EMTEK BRISBANE PULL AND MODERN PUSH PLATE IN OIL RUBBED BRONZE OR SATIN BRASS FINISH.
TS600-TS699	**FITTING ROOMS**				
FR CURTAINS AND CURTAIN RODS					
TS-600	CURTAIN RODS - BLACKENED FINISH W/ CLEAR MATTE SEALER (3'-6" LONG)	CREATIVE	PURCHASING	6	INCLUDES FR STALLS, AND ADA. GC TO INSTALL.
TS-601	CURTAIN ROD SUPPORTS - BLACKENED FINISH W/ CLEAR MATTE SEALER	CREATIVE	PURCHASING	12	INCLUDES FR STALLS, AND ADA. GC TO INSTALL.
TS-602	GEO EMBROIDERED CURTAINS WITH RINGS AND NUBS (5' X 8'-3") - MANGO PALETTE	DKC	PURCHASING	6	INCLUDES FR STALLS, AND ADA.
TS-603	SURFACE MOUNTED HANGBAR - ANTIQUE COPPER	DKC	PURCHASING	6	INCLUDES FR STALLS AND ADA. GC TO INSTALL.
FR STALL MIRRORS - SURFACE MOUNTED					
TS-610	BACKLIT BLACKSMITH COTTAGE MIRROR FRAME IN BLACKENED FINISH W/ CLEAR MATTE SEALER (2'-6" X 7'-0")	CREATIVE	PURCHASING	6	1 AT EACH FITTING ROOM STALL MOUNTED @ 8" AFF. CREATIVE TO PROVIDE MIRROR FRAME (SKINNY SIDE IN FRONT). GC TO PROVIDE NEW BACKLIGHTING, GLAZING AND INSTALL WITH CLEATS PAINTED TO MATCH WALL FINISH. REVIEW SIZES AND LOCATIONS IN DRAWING SET.
FR SEATING AND MILLWORK					
TS-620	15" QUILTED STOOL - MANGO PALETTE	DKC	PURCHASING	5	1 PER TYP. FR STALL
TS-621	BSC ADA FITTING ROOM BENCH WITH PILLOWS - MANGO PALETTE	MISKO & DKC	PURCHASING	1	BENCH PROVIDED BY MISKO; PILLOWS PROVIDED BY DKC. GC TO INSTALL
FR HOOKS AND ITEM MIRRORS					
TS-630	CAST TIE BACK HOOKS (2 PER FR) - ANTIQUE COPPER ELECTROPLATE FINISH	DKC	PURCHASING	12 (2 PER FR STALL AND CORRIDOR)	MOUNTED ON INTERIOR SIDE (2 PER FR STALL, INCLUDING ADA AND CORRIDOR) 3" FROM FR WOOD SURROUND OPENING; GC TO COORDINATE HEIGHT ON SITE. REVIEW QTY AND LOCATIONS IN DRAWING SET; GC TO INSTALL.
TS-631	CAST HOLD HOOK (1 PER FR) - ANTIQUE COPPER ELECTROPLATE FINISH	DKC	PURCHASING	6 (1 PER FR STALL)	MOUNTED ON EXTERIOR SIDE (1 PER FR STALL, INCLUDING ADA) @ 4'-8" AFF TO C.L. OF HOOK; REVIEW QTY AND LOCATIONS IN DRAWING SET; GC TO INSTALL.
TS-632	CAST CLOTHES HOOKS (2 PER FR) - ANTIQUE COPPER ELECTROPLATE FINISH	DKC	PURCHASING	12 (2 PER FR STALL)	MOUNTED ON INTERIOR SIDE (2 PER FR STALL) @ 5'-6" AFF TO C.L. OF HOOKS FOR TYP STALLS AND (3 IN ADA STALL) @ 4'-0" AFF TO C.L. OF HOOKS AT ADA ONLY; REVIEW QTY AND LOCATIONS IN DRAWING SET; GC TO INSTALL.
TS-633	FITTING ROOM ITEM COUNTER	CREATIVE	PURCHASING	6	MOUNTED ON EXTERIOR SIDE (1 PER FR STALL, INCLUDING ADA) @ 5'-0" AFF TO C.L. OF FIXTURE AND 5" FROM FR WOOD SURROUND OPENING. REVIEW QTY AND LOCATIONS IN DRAWING SET; GC TO INSTALL
TS700-TS799	**SALES + DISCOUNT ROOM FIXTURES**				
TS-700	DISCOUNT ROOM ROD BRACKET	CREATIVE	PURCHASING	8	GC TO INSTALL
TS-701	4' DISCOUNT ROOM ROD	CREATIVE	PURCHASING	4	GC TO INSTALL
SURFACE MOUNTED MIRRORS - SALES AND FR COMMON					
TS-710	ARCHED MIRROR FRAME IN BLACKENED FINISH WITH CLEAR MATTE SEALER (3'-0" WIDE X 8'-0" HIGH)	CREATIVE	PURCHASING	1	AT FR COMMON - SITTING ON FLOOR. T.O. ARCH @ 8'-0" AFF AND B.O. ARCH @ 6'-6" AFF. CREATIVE TO PROVIDE MIRROR FRAME (SKINNY SIDE IN FRONT) AND Z CLIPS. GC TO PROVIDE GLAZING AND INSTALL.
CEILING MOUNTED HANGRODS					
TS-720	3/4" DIAMETER ROD FIXTURE SUSPENDED FROM CEILING IN BLACKENED FINISH W/ CLEAR MATTE SEALER (3'-6" LONG W/ 0 INTERMEDIATE SUPPORT)	CREATIVE	PURCHASING	1	1 AT STOREFRONT WINDOWS. REVIEW LOCATIONS IN DRAWINGS. GC TO INSTALL.
TS-721	3/4" DIAMETER ROD FIXTURE SUSPENDED FROM CEILING IN BLACKENED FINISH W/ CLEAR MATTE SEALER (5'-6" LONG W/ 1 INTERMEDIATE SUPPORT)	CREATIVE	PURCHASING	1	1 AT SALES. REVIEW LOCATIONS IN DRAWINGS. GC TO INSTALL.
TS-722	3/4" DIAMETER ROD FIXTURE SUSPENDED FROM CEILING IN BLACKENED FINISH W/ CLEAR MATTE SEALER (6'-6" LONG W/ 1 INTERMEDIATE SUPPORT)	CREATIVE	PURCHASING	1	1 AT STOREFRONT WINDOWS. REVIEW LOCATIONS IN DRAWINGS. GC TO INSTALL.
TS-723	3/4" DIAMETER ROD FIXTURE SUSPENDED FROM CEILING IN BLACKENED FINISH W/ CLEAR MATTE SEALER (12'-0" LONG W/ 3 INTERMEDIATE SUPPORT)	CREATIVE	PURCHASING	1	1 AT STOREFRONT WINDOWS. REVIEW LOCATIONS IN DRAWINGS. GC TO INSTALL.
TS800-TS899	**DISPLAY OPERATIONS**				
TS-800	FINAL FIXTURE PACKAGE	DKC	PURCHASING		GC TO ASSEMBLE FIXTURES
TS-801	FINAL FIXTURE PACKAGE	MISKO	PURCHASING		GC TO ASSEMBLE FIXTURES
TS-802	FINAL FIXTURE PACKAGE	CREATIVE	PURCHASING		GC TO ASSEMBLE FIXTURES
TS-803	FINAL FIXTURE PACKAGE	RETAIL FIXTURE	PURCHASING		GC TO ASSEMBLE FIXTURES

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NSA PROJECT NUMBER: 2024-572

PROJECT PHASE: CD

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SHEET TITLE :

TENANT SUPPLIED ITEMS SCHEDULE

SHEET NO.:

G005

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GENERAL NOTES

1. SEE OVERALL PLANS FOR GRIDLINE DIMENSIONS
2. REFER TO BUILDING SYSTEMS SHEET FOR PARTITION TYPES
3. ALL DIMENSIONS ARE FROM STUD TO STUD UNO
4. DIMENSIONS TO EXISTING WALLS ARE TO THE FACE OF FINISH OF THE WALL
5. ALL FIXTURE/FURNITURE DIMENSIONS ARE TO FINISH FACE OF WALL AND ITEM
6. WHERE NOTED, FOF MEANS FACE OF FINISH
7. WHERE NOTED, FOM MEANS FACE OF MASONRY
8. ALL FINISH MATERIALS TO COMPLY WITH FLAME SPREAD RATINGS PER APPLICABLE CODES
9. SEE TENANT SUPPLIED ITEMS SCHEDULE FOR ALL TSM ITEMS

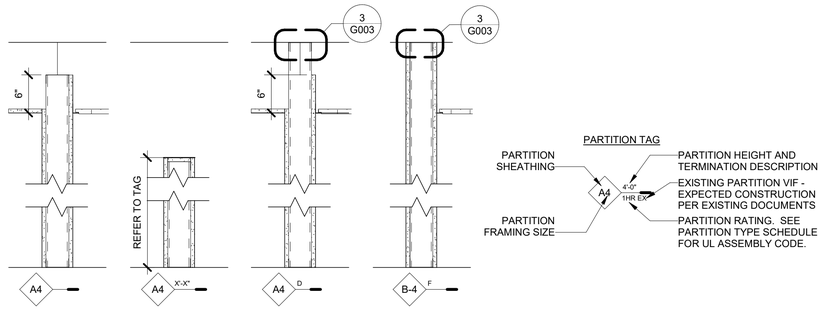
PLAN LEGEND

- F # — FLOOR TYPE
- B # — BASE TYPE
- EXISTING PARTITON
- RATED EXISTING PARTITION
- NEW PARTITION
- 1HR RATED PARTITION
- AREA NOT IN CONTRACT

FLOOR PLAN KEYNOTES

100	SEE A800 FOR TSM TAGS & LOCATIONS
101	SEE A700s FOR MATERIAL TAGS & LOCATIONS
102	SEE A801 FOR TYPICAL OUTLET MOUNTING IN SALES AREA
103	WALLS NOTED IN PLAN ARE TO RECEIVE FRT PLYWOOD BLOCKING BEHIND WALL BEHIND FINISH, BEGINNING AT 24" AFF AND CONTINUING TO CEILING
104	10' - 0" OUTRIGGERS STANDARDS - 1-1/2" x 2" - NATURAL
105	10' - 0" NATURAL WHITE OAK SHROUDS - PRE-DRILLED
106	8' - 10" FLAT SURFACE MOUNTED WALL STANDARDS - NATURAL FINISH
107	12' - 0" FLOOR TO CEILING NATURAL WHITE OAK WOOD BATTEN SHROUDS - PRE DRILLED (VERTICAL ORIENTATION)
108	12' - 0" FLOOR TO CEILING NATURAL WHITE OAK WOOD BATTEN SHROUDS - NOT DRILLED (VERTICAL ORIENTATION)
109	NATURAL WHITE OAK BATTEN - NOT DRILLED (HORIZONTAL ORIENTATION)
110	8' - 10" FLAT SURFACE MOUNTED WALL STANDARDS - POWDER COATED RAL 9001 (MATTE FINISH)
111	CASHWRAP (3 POS Unit) WITH 5" BUILT-UP CORIAN TOP WITH 7" RADIUSED CORNERS ON CUSTOMER SIDE THROUGHOUT, SPECIAL FINISH PLASTER SHROUD, NATURAL WHITE OAK WOOD TRIMS, 3" HIGH KICK AND MILLWORK.
112	CUSTOM BACKWRAP WITH 1 1/2" BUILT-UP CORIAN TOP, NATURAL WHITE OAK MILLWORK, NATURAL WHITE OAK CLOSETS AND DKC PULLS
113	CASHWRAP CONDUIT PATH, SEE A750 - COORDINATE WITH ELECTRICAL
114	ROD FIXTURE SUSPENDED FROM CEILING IN BLACKENED FINISH W/ CLEAR MATTE SEALER, SEE TSM SCHEDULE FOR LENGTH & SUPPORTS
115	4'x8' SKYLIGHT ABOVE, REFERENCE SHEET A751

PARTITION TERMINATION DESCRIPTIONS



NO DESCRIPTION= FRAMING TO 6" ABOVE ADJACENT CEILING - BRACING AS REQUIRED. FINISH PER FACE TO STOP AT GYP BD CEILING OR 6" ABOVE ACT CEILING

HEIGHT NOTED = TOP OF PARTITION TO HEIGHT INDICATED ON TAG. UNO IN DETAILS FRAMING AND FINISH FULL HEIGHT

D= FRAMING TO DECK. FINISH PER FACE TO STOP AT GYP BD CEILING OR 6" ABOVE ACT CEILING. IF NO CEILING FINISH TO DECK.

F = FRAMING AND FINISH TO DECK BOTH FACES.

2 PARTITION TAG KEY

A100 SCALE: 1" = 1'-0"

WALL TYPES

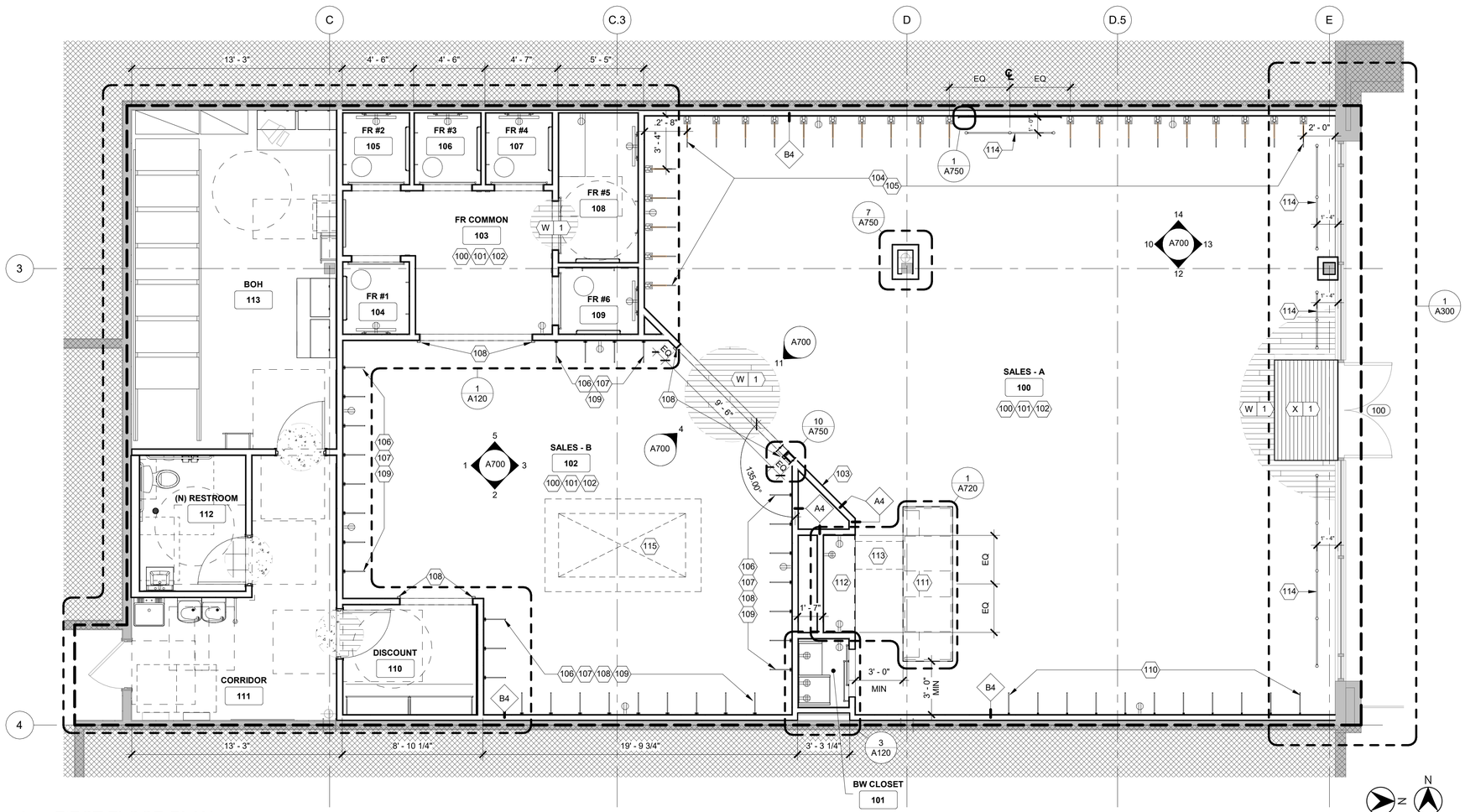
WALL TYPE	ASSEMBLY	NOTES/REMARKS
EXISTING PARTITION		
EX	EXISTING PARTITION	EXISTING PARTITION WHERE TAGGED AS NEW PARTITION TYPES, ASSEMBLY IS ASSUMED AND SHOULD BE VIF
MATCH ADJACENT PARTITIONS		
ADJ	EXISTING PARTITION NEW PARTITION	MATCH (E) ADJACENT PARTITION CONSTRUCTION ASSEMBLY IS ASSUMED AND SHOULD BE VIF
A SERIES - GYP BD FINISH BOTH SIDES		
A_ A_.1	GYP BD MTL STUD *** GYP BD	METAL STUD AT 16" OC WITH 5/8" GYP BOTH SIDES A_.1 SAFB INSULATION BETWEEN STUDS
B SERIES - GYP BD FINISH ONE SIDE		
B_ B_.1	MTL STUD *** GYP BD	METAL STUD AT 16" OC WITH 5/8" GYP ONE SIDE B_.1 SAFB INSULATION BETWEEN STUDS
C SERIES - WD SLAT FINISH		
C	EXISTING OR NEW PARTITION WD SLATS	3/4" WD SLAT FINISH OVER EXISTING OR NEW PARTITION SEE PLANS FOR PARTITION TYPE BEHIND FINISH

NOTES:

_#

_1: 0-7/8" MTL STUD
_1-5: 1-5/8" MTL STUD
_2: 2-1/2" MTL STUD
_3: 3-1/2" MTL STUD
_4: 3-5/8" MTL STUD
_5: 5-1/2" MTL STUD
_6: 6" MTL STUD
_8: 8" MTL STUD
_10: 10" MTL STUD

*** FRT PLY WD BLOCKING BETWEEN STUDS WHERE NOTED IN ELEVATIONS



1 FIRST FLOOR PLAN

A100 SCALE: 1/4" = 1'-0"

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DRAWN BY: MD CHECKED BY: JM/ AJ

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FIRST FLOOR PLAN

SHEET NO.:

A100

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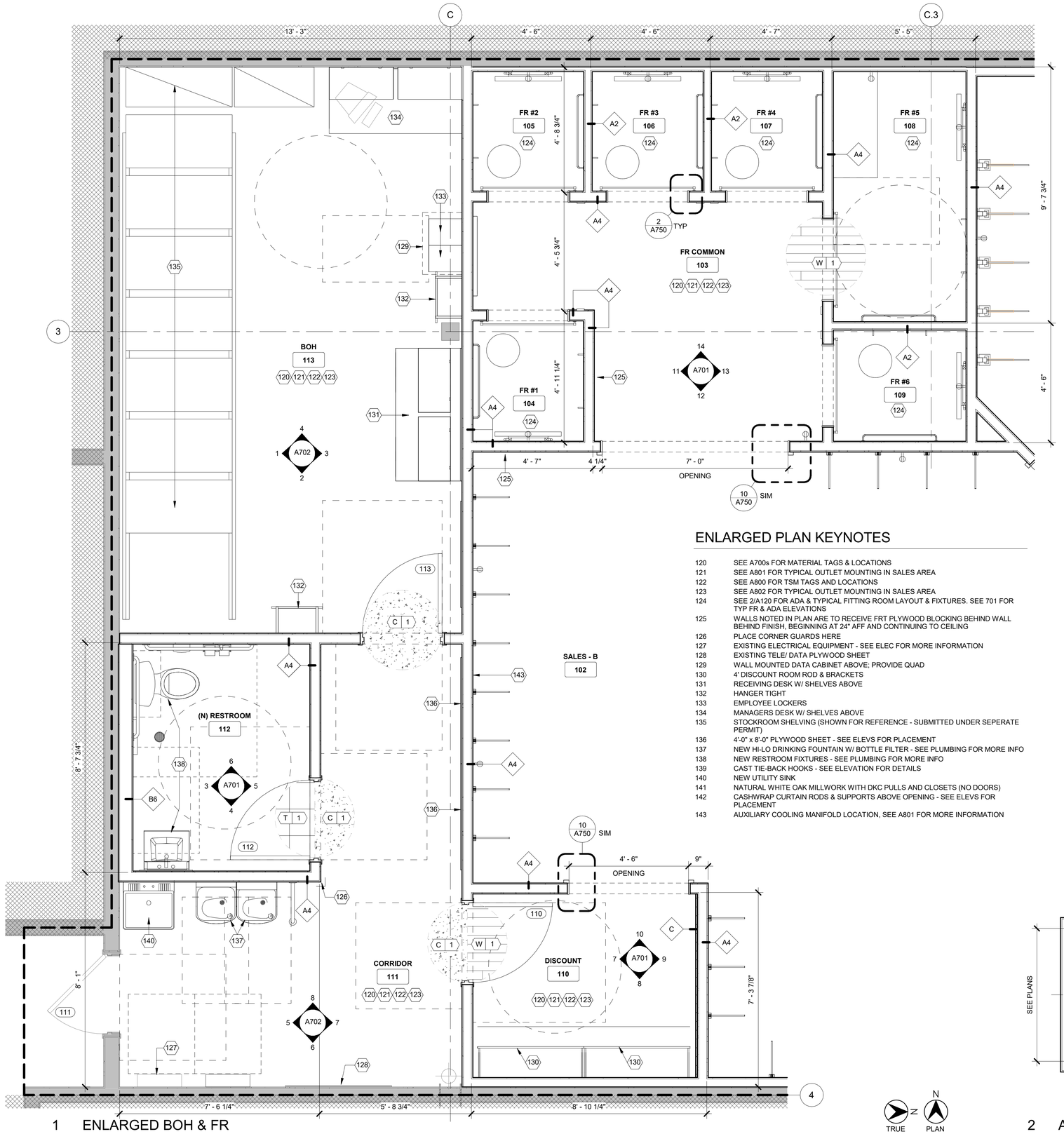

1 ENLARGED BOH & FR

A120 SCALE: 1/2" = 1'-0"

ENLARGED PLAN KEYNOTES

120	SEE A700s FOR MATERIAL TAGS & LOCATIONS
121	SEE A801 FOR TYPICAL OUTLET MOUNTING IN SALES AREA
122	SEE A800 FOR TSM TAGS AND LOCATIONS
123	SEE A802 FOR TYPICAL OUTLET MOUNTING IN SALES AREA
124	SEE 2/A120 FOR ADA & TYPICAL FITTING ROOM LAYOUT & FIXTURES. SEE 701 FOR TYP FR & ADA ELEVATIONS
125	WALLS NOTED IN PLAN ARE TO RECEIVE FRT PLYWOOD BLOCKING BEHIND WALL BEHIND FINISH, BEGINNING AT 24" AFF AND CONTINUING TO CEILING
126	PLACE CORNER GUARDS HERE
127	EXISTING ELECTRICAL EQUIPMENT - SEE ELEC FOR MORE INFORMATION
128	EXISTING TELE/ DATA PLYWOOD SHEET
129	WALL MOUNTED DATA CABINET ABOVE; PROVIDE QUAD
130	4' DISCOUNT ROOM ROD & BRACKETS
131	RECEIVING DESK W/ SHELVES ABOVE
132	HANGER TIGHT
133	EMPLOYEE LOCKERS
134	MANAGERS DESK W/ SHELVES ABOVE
135	STOCKROOM SHELVING (SHOWN FOR REFERENCE - SUBMITTED UNDER SEPERATE PERMIT)
136	4'-0" x 8'-0" PLYWOOD SHEET - SEE ELEVS FOR PLACEMENT
137	NEW HI-LO DRINKING FOUNTAIN W/ BOTTLE FILTER - SEE PLUMBING FOR MORE INFO
138	NEW RESTROOM FIXTURES - SEE PLUMBING FOR MORE INFO
139	CAST TIE-BACK HOOKS - SEE ELEVATION FOR DETAILS
140	NEW UTILITY SINK
141	NATURAL WHITE OAK MILLWORK WITH DKC PULLS AND CLOSETS (NO DOORS)
142	CASHWRAP CURTAIN RODS & SUPPORTS ABOVE OPENING - SEE ELEVS FOR PLACEMENT
143	AUXILIARY COOLING MANIFOLD LOCATION, SEE A801 FOR MORE INFORMATION

TRUE N PLAN

GENERAL NOTES

1. SEE OVERALL PLANS FOR GRIDLINE DIMENSIONS
2. REFER TO BUILDING SYSTEMS SHEET FOR PARTITION TYPES
3. ALL DIMENSIONS ARE FROM STUD TO STUD UNO
4. DIMENSIONS TO EXISTING WALLS ARE TO THE FACE OF FINISH OF THE WALL
5. ALL FIXTURE/FURNITURE DIMENSIONS ARE TO FINISH FACE OF WALL AND ITEM
6. WHERE NOTED, FOF MEANS FACE OF FINISH
7. WHERE NOTED, FOM MEANS FACE OF MASONRY
8. ALL FINISH MATERIALS TO COMPLY WITH FLAME SPREAD RATINGS PER APPLICABLE CODES
9. SEE TENANT SUPPLIED ITEMS SCHEDULE FOR ALL TSM ITEMS

PLAN LEGEND

- F # FLOOR TYPE
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- RATED EXISTING PARTITION
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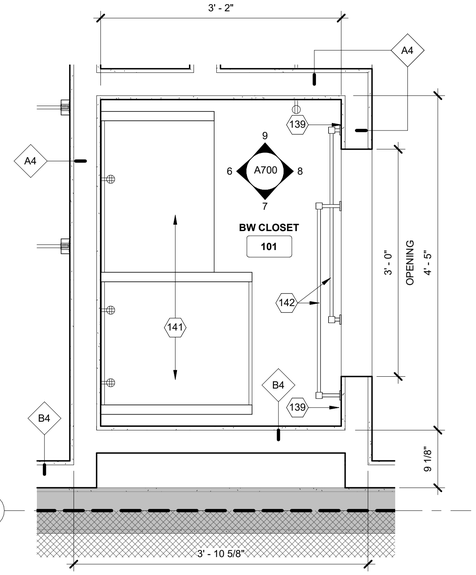
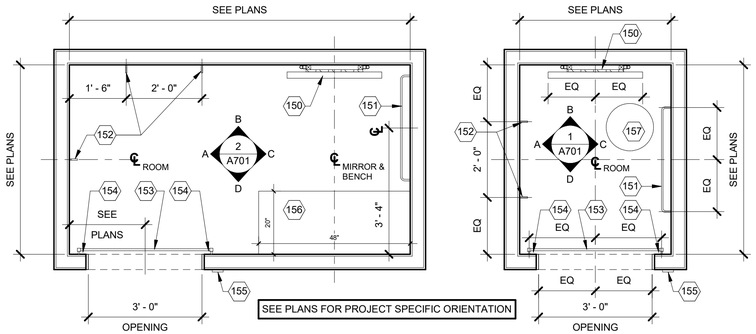


3 BW CLOSET

A120 SCALE: 1" = 1'-0"

FITTING ROOM PLAN KEYNOTES

150	WALL MOUNTED FITTING ROOM MIRROR
151	SURFACE MOUNTED FITTING ROOM HANGBAR - SEE ELEVS FOR PLACEMENT
152	CAST CLOTHES HOOK - SEE ELEVS FOR PLACEMENT
153	FITTING ROOM CURTAIN ROD ABOVE OPENING - SEE ELEVS FOR PLACEMENT
154	CAST CURTAIN TIE BACK HOOKS - SEE ELEVS FOR PLACEMENT
155	FITTING ROOM ITEM COUNTER & HOLD HOOK
156	FR #1 (ADA) FITTING ROOM BENCH - SEE ELEVS AND PLAN FOR MORE INFO
157	15" QUILTED STOOL



2 A120 TYP FITTING ROOM

A120 SCALE: 1/2" = 1'-0"

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ENLARGED PLANS

SHEET NO.:

A120

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RCP GENERAL NOTES

1. LIGHTING PLAN SHOWN FOR FIXTURE LAYOUT AND DIMENSIONAL REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL WIRING INFORMATION.
2. REFER TO FLOOR PLANS FOR OVERALL GRID DIMENSIONS. REFER TO FIXTURE PLAN FOR FIXTURE DIMENSIONS.
3. FOR EMERGENCY LIGHTING TYPE AND LOCATIONS, SEE ELECTRICAL DRAWINGS
4. VERIFY CONDITIONS IN FIELD, IF ANY CONFLICTS ARISE, CONTACT ARCHITECT.
5. UNLESS NOTED OTHERWISE, ELEVATION DATUMS ARE TAKEN FROM "TOP OF SLAB"
6. FIXTURES BACK OF HOUSE AREAS ARE TO BE MOUNTED AT +12'-0" AFF
7. IF LINEAR LIGHT FIXTURES IN BACK OF HOUSE CONFLICT WITH MECHANICAL / PLUMBING EQUIPMENT, INSTALL UNISTRUT FOR FIXTURE MOUNTING.
8. MATERIALS IN CONCEALED SPACES SHALL COMPLY WITH ALL APPLICABLE CODES
9. STORAGE SHELVING TO BE 18" MINIMUM BELOW B/O SPRINKLER HEADS.
10. DECK HEIGHT VARIES THROUGHOUT SPACE; VERIFY CONDITIONS IN FIELD
11. FOR SPEAKER INFORMATION, REFER TO VENDOR DRAWINGS
12. REFER TO MOUNTING HEIGHT DIAGRAM FOR MOUNTING HEIGHTS
13. CEILING MOUNTED ELEMENTS MUST ALL BE SECUERED IN A FASHION TO COMPLY WITH ALL AHJ SEISMIC REQUIREMENTS. RESTRAINT CABLES FOR FOH PENDANT MOUNTED FIXTURES ANTICIPATED TO REQUIRE DIAGIONAL RESTRAINT ARE SHOWN. ADDITIONAL CABLES MAY BE REQUIRED BASED ON FIELD CONDITIONS. BOH FIXTURES SHOULD BE RESTRAINED AS REQUIRED. SEE DETAILS.
14. NOTHING IS PERMITTED TO BE ATTACHED TO, SUSPENDED FROM OR PENETRATE EXISTING DECK ABOVE. ALL ATTATCHMENTS MUST BE MADE NON-DESTRUCTIVELY TO STRUCTURAL STEEL. REFER TO STRUCTURAL DRAWINGS.

RCP LEGEND

SYMBOL	DESCRIPTION	NOTES/REMARKS
	EXTERIOR QUAD OUTLET	
	CEILING MOUNTED QUAD OUTLET	
	SUPPLY AIR VENT	FOR ALL DIFFUSERS AND GRILLES: ALIGN TO AND/OR CENTER BETWEEN NEARBY CEILING ELEMENTS AS MUCH AS POSSIBLE, UNLESS NOTED OTHERWISE ON PLAN
	SUPPLY AIR VENT - ROUND	
	RETURN AIR VENT	
	ACCESS PANEL	
S	CEILING MOUNTED SPEAKERS	REFER TO VENDORS DRAWINGS FOR SPEAKER INFORMATION
S	WALL MOUNTED SPEAKERS	
TT	TRACK LIGHTING SURFACE MOUNTED	

	PENDANT LIGHT	
	RECESSED WALL WASH FIXTURE	
	RECESSED LIGHT FIXTURE	
	SPRINKLER HEADS	
	RECESSED LIGHT FIXTURE	
	LINEAR FIXTURE	
	EMERGENCY LIGHTING FIXTURE	CEILING OR WALL MOUNTED -SEE ELETRICAL -BUGEYE OR COMBO EXIT /EMERGENCY LIGHT ARE NOT ALLOWED IN AREAS VISIBLE TO THE PUBLIC
	RECESSED EMERGENCY LIGHTING FIXTURE	
	EXIT SIGNAGE	ALL EXIT SIGNS VISIBLE TO THE PUBLIC SHALL BE RECESSED MOUNTED, CENTER ABOVE DOORS AND OPENINGS, FOR CEILING MOUNTED LOCATIONS LOCATE 3" FROM WALL
	CAMERA	

NOTE: LIGHT HOUSING SHOWN DASHED FOR REFERENCE ONLY. REFER TO MFR. SPEC FOR SPECIFIC LIGHT HOUSING AND CLEARANCE INFORMATION.

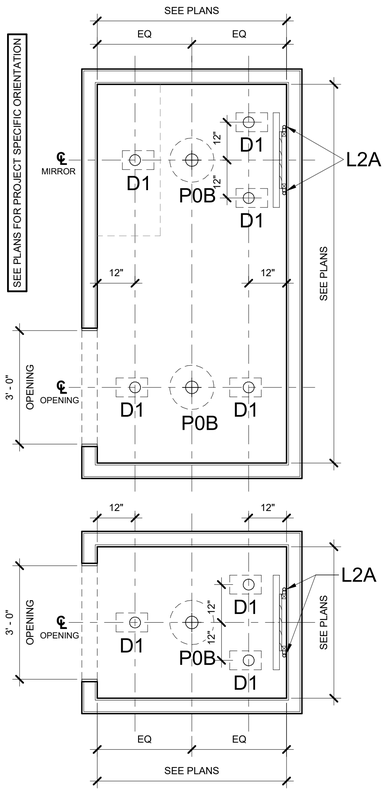
RCP KEYNOTES

200	SEE 3/A200 FOR TYPICAL FITTING ROOM LIGHTING FIXTURE LAYOUT
201	3/4" FRT PLYWOOD BACKING IN HATCHED AREAS
202	LINE OF CASHWRAP & BACKWRAP BELOW
203	CEILING MOUNTED HANGROD
204	PAINTED WHITE 2X4 TO SPAN WIDTH OF SKYLIGHT FOR FUTURE DISPLAY RIGGING; B/O WOOD TO ALIGN WITH B/O SKYLIGHT WELL
205	4'x8' SKYLIGHT ABOVE REFERENCE SHEET A751
206	WALL DATA CABINET ABOVE DOOR, PROVIDE QUAD

CEILING TYPES

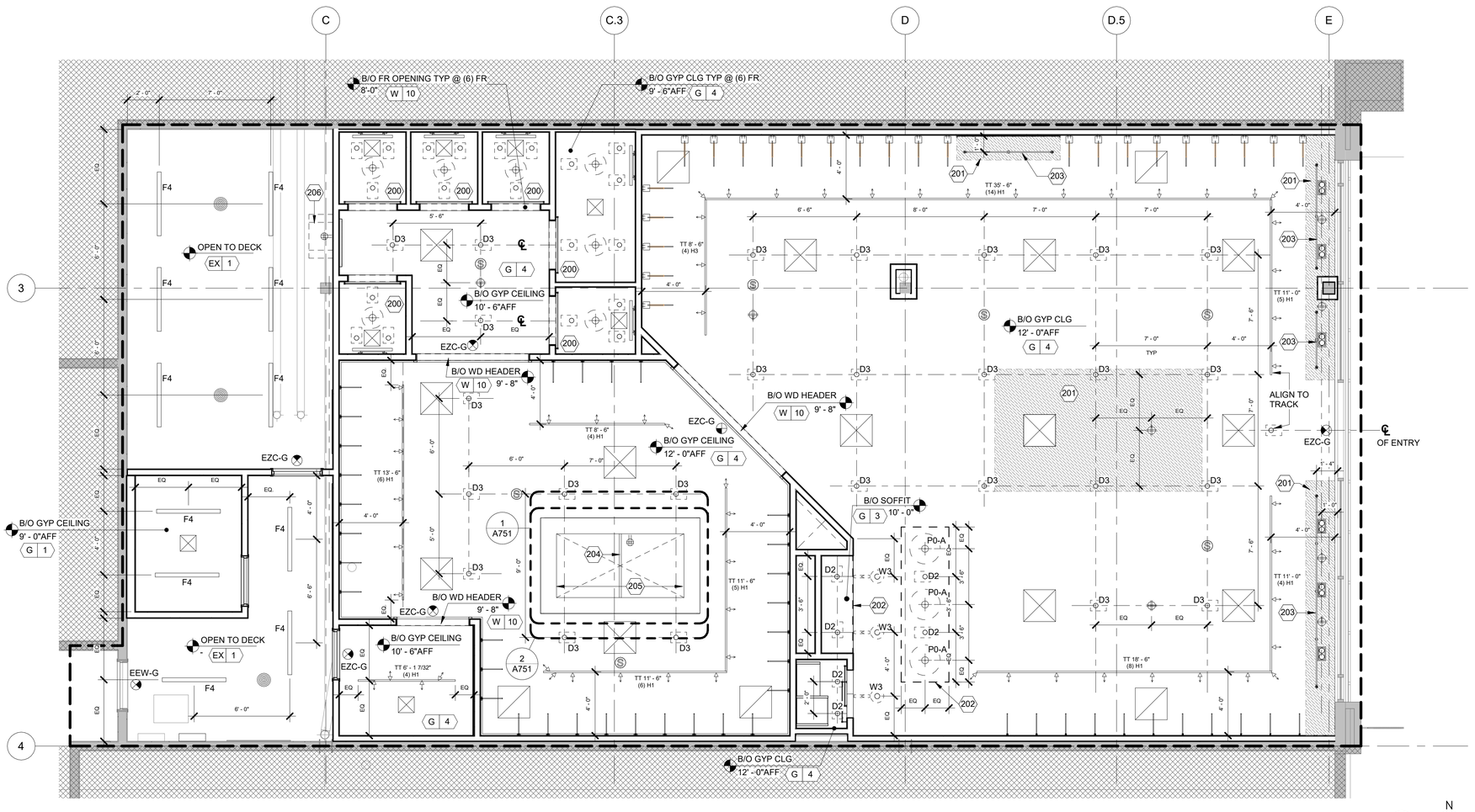
CEILING TYPE	ASSEMBLY	NOTES/REMARKS
TYP - UNO	WIRE, TRACK, GYP BD	5/8" GYP BD ATTACHED TO SUSPENDED CEILING SYSTEM SEE ISOMETRIC DETAILS ON G003

NOTES:
1. REFER TO FINISH SCHEDULE AND RCP FOR CEILING FINISHES.



2 TYP FITTING ROOM RCP

A200 SCALE: 1/2" = 1'-0"



1 FIRST FLOOR PLAN

A200 SCALE: 1/4" = 1'-0"

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2303 Wycliff Street, Saint Paul, MN 55114
p: 651.207.5527 f: 651.207.8247

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DRAWN BY: MD CHECKED BY:JM/ AJ

NSA PROJECT NUMBER: 2024-572

PROJECT PHASE: CD

ISSUE / DATE :

DD SET	09.24.2025
CHECK SET	10.10.2025
BID/ PERMIT	10.31.2025

SHEET TITLE :

REFLECTED CEILING PLAN

SHEET NO.:

A200

TRUE N PLAN

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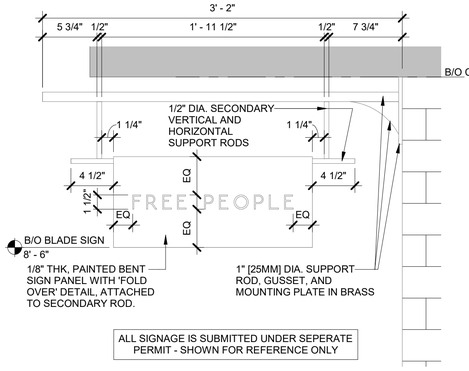
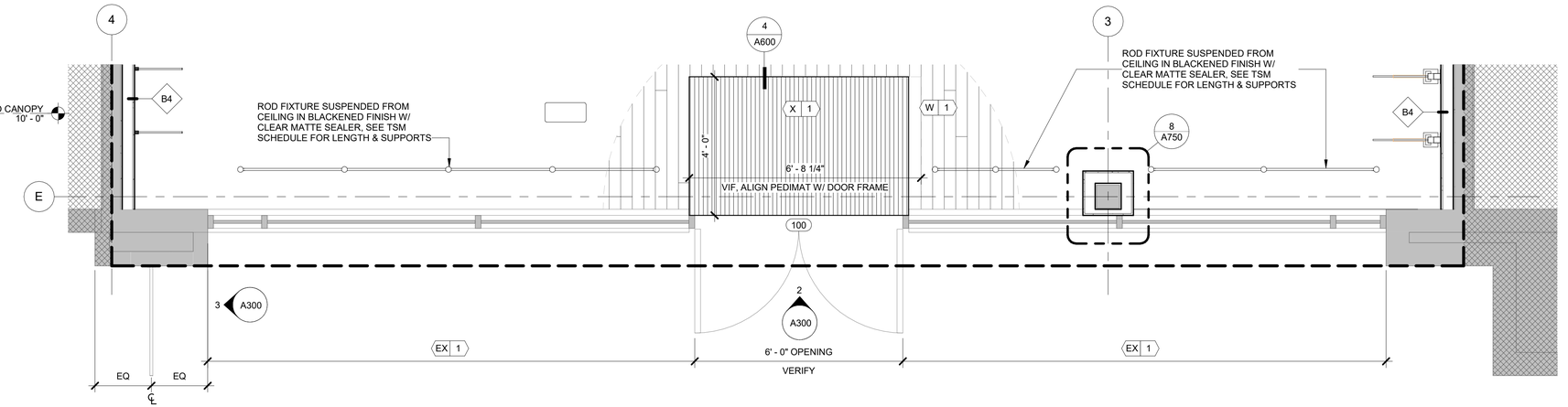


4 BLADE SIGN DETAIL

TSM 310

A300 SCALE: 1 1/2" = 1'-0"

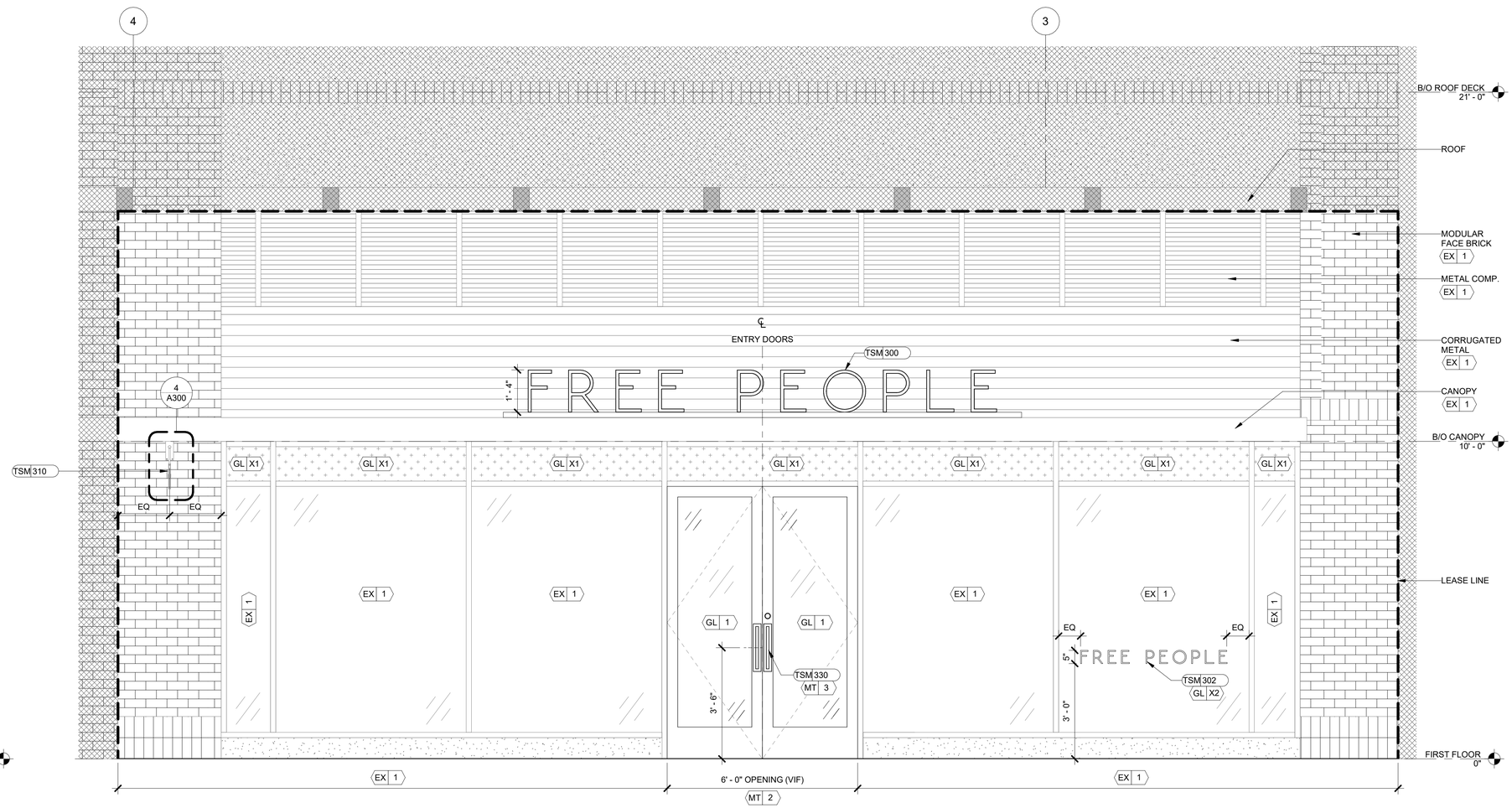


1 ENLARGED STOREFRONT

A300 SCALE: 1/2" = 1'-0"

3 STOREFRONT SECTION

A300 SCALE: 1/2" = 1'-0"



2 STOREFRONT ELEVATION

A300 SCALE: 1/2" = 1'-0"

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SHEET NO.:

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DOOR AND HARDWARE NOTES

1. THIS PROJECT SHALL COMPLY WITH ALL FEDERAL AMERICANS WITH DISABILITY ACT REGULATIONS AND ALL LOCAL ACCESSIBILITY REGULATIONS.
2. ALL DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH TYPE, MOUNTED 34" MIN TO 48" MAX ABOVE FINISH FLOOR, AND BE OPERABLE WITH A MAXIMUM EFFORT OF 5 LBS. FOR INTERIOR DOORS.
3. CONTRACTOR SHALL VERIFY WITH SUPPLIER THAT ALL HARDWARE MEETS ADA AND ANSI A117.1 REQUIREMENTS.
4. ALL HARDWARE SHALL BE ANSI/BHMA STANDARD FINISH 626, SATIN CHROMIUM, TYP UNO.
5. ALL HARDWARE TO BE 7-PIN BEST CORE COMPATIBLE.
6. ALL EXTERIOR DOORS TO HAVE NON REMOVABLE PINS (NRP) TYPE HINGES.
7. THRESHOLDS SHALL BE IN COMPLIANCE WITH ADA, ANSI A117.1, STATE AND LOCAL ORDINANCE GUIDELINES, REFER TO SHEET A620 FOR THRESHOLD DETAILS.
8. ALL HOLLOW METAL FRAMES TO BE 16 GA WRAP AROUND TYPE AND WELDED TYPE AT FIRE RATED WALL CONSTRUCTION.
9. ALL HOLLOW METAL DOORS TO BE FLUSH TYPE WITH 18 GA FACE SHEETS WITH FOLDED INTERLOCKED SEAM ON VERTICAL EDGES, TOP AND BOTTOM EDGES TO BE CLOSED.
10. GC TO VERIFY KICK PLATE HAS BEEN PROVIDED BY LANDLORD AND IS MOUNTED ON PUSH SIDE OF THE REAR EXIT DOOR.
11. ALL HANDICAP ACCESSIBLE DOORS MUST BE A MINIMUM 3'-0" WIDE AND 6'-8" TALL WITH 32" CLEAR WIDTH.
12. ALL DOOR APPROACHES SHALL MEET ADA AND ANSI A117.1 CLEARANCE REQUIREMENTS.
13. OVERHEAD CLOSERS (AS APPLICABLE) FURNISHED AND INSTALLED BY TENANT'S GC, DOOR CLOSERS TO BE MOUNTED ON ROOM SIDE OF DOORS UNLESS NOTED OTHERWISE. SEE DOOR CLOSER FORCE NOTES BELOW FOR ADDITIONAL REQUIREMENTS.
14. GC SHALL ENSURE THAT ALL EXISTING DOORS TO REMAIN ARE IN GOOD OPERATING ORDER AND MEET CURRENT BUILDING CODES, ADA AND ANSI A117.1 REQUIREMENTS. TENANT'S GC TO RESTORE DOOR TO A LIKE NEW CONDITION.
15. GC TO SUBMIT TYPED OR ELECTRONCIALLY GENERATED SHOP DRAWINGS AND PRODUCT LITERATURE FOR ALL DOORS AND HARDWARE SPECIFIED, PREPARED BY DOOR AND HARDWARE VENDOR.
16. GC TO PROVIDE ADA AND ANSI A117.1 COMPLIANT MEN'S AND WOMEN'S TOILET SIGNS, REFER TO INTERIOR ELEVATIONS FOR LOCATIONS.
17. GC TO USE KNOCK-DOWN STYLE METAL DOOR FRAMES FOR NON-RATED DOOR ASSEMBLIES.
18. PROVIDE PEMKO S88 SMOKE SEAL ON ALL FIRE AND SMOKE RATED ASSEMBLIES. REFER TO COMMENTS IN DOOR SCHEDULE FOR IDENTIFICATION OF RATED ASSEMBLIES.
19. DO NOT T&G OR KERF WOOD ON ANY DOOR OR FRAME.
20. MANUALLY OPERATED FLUSH BOLTS ARE PROHIBITED ON EXIT DOORS. WHEN EXIT DOORS ARE USED IN PAIRS AND APPROVED AUTOMATIC FLUSH BOLTS ARE USED, THE DOOR LEAF HAVING THE THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOORKNOB OR SURFACE MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION. EXCEPTION: BACK OF HOUSE DOUBLE LEAF DOORS WHERE THE INACTIVE LEAF HAS NO DOORKNOB OR SURFACE MOUNTED HARDWARE AND THE INACTIVE LEAF IS NOT UTILIZED FOR EGRESS MAY HAVE MANUALLY OPERATED FLUSH BOLTS IF ALLOWED BY ALL APPLICABLE CODES AND REGULATIONS.
21. GENERAL CONTRACTOR TO PROVIDE 180° SECURITY EYE LENS AT ALL LEASE PERIMETER OPAQUE DOORS AND AS NOTED IN HARDWARE SCHEDULE, MOUNTED AT 5'-0" AFF AND AS REQUIRED BY ADA AND ANSI A117.1.
22. ALL DOORS IN FIRE RATED PARTITIONS ARE TO INCLUDE COMPLETE FIRE RATED ASSEMBLIES AS REQUIRED BY UL, NFPA AND ALL APPLICABLE CODES. FIRE RATINGS CALLED FOR IN DOOR SCHEDULE ARE RATING OF DOOR AND ACCESSORIES AS APPROPRIATE.
23. ALL REMAINING HARDWARE FOR NEW AND EXISTING DOORS IS TO BE SUPPLIED BY GC.

DOOR ACCESSABILITY NOTES

ALL DOORS EQUIPPED WITH AUTOMATIC DOOR CLOSERS SHALL HAVE THE PULL FORCE REQUIRED TO OPEN THE EQUIPPED DOOR TO A MAXIMUM PULL FORCE OF 5 POUNDS.

PER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND ANSI A117.1: DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM.

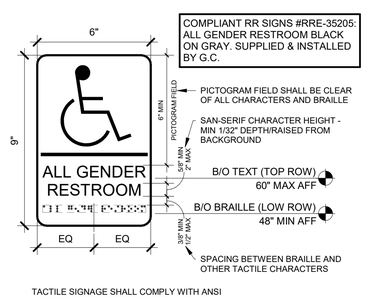
DOOR SURFACES WITHIN 10" OF THE FLOOR, MEASURED VERTICALLY, SHALL BE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR

HARDWARE GROUPS

	= ITEMS IN DEVELOPMENT			
QTY	DESCRIPTION	PRODUCT/MFR	FINISH	NOTE
GROUP 1: STOREFRONT ENTRY DOUBLE DOOR				
2 PAIR	DOOR PULLS	BY VENDOR		GC TO INSTALL
1	DEADBOLT	ADAMS RITE MS 1850 S, 1 1/8" BACKSET		
1	CYLINDER LOCKS	BEST 1E74-C181-RP		KEYED INSIDE & OUTSIDE
1	DOOR COORDINATORS	IVES COR 60		
1 PAIR	AUTOMATIC FLUSH BOLT -TOP/BOTTOM PAIR	IVES FB31P		
1 PAIR	DUST PROOF STRIKES	IVES DP2		
1	DOOR LOCK INDICATORS	ADAMS RITE 4089-201		
1 EACH	CLOSER	LCN 4021-H		
1 EACH	DROP PLATE	LCN 4020-18		
4 EACH	HINGES	(ALUM DOOR) STOREFRONT MFR		
1 EACH	DOOR SWEEP	(ALUM DOOR) STOREFRONT MFR		
1	THRESHOLD	PEMKO 255		
1	WEATHER STRIP GASKET	(ALUM DOOR) STOREFRONT MFR		INSTALL ON EDGE OF DOOR ON ACTIVE LEAF
1 EACH	KICKDOWN DOOR STOP	DELTANA DHK7		ON INTERIOR SIDE
1 EACH	DOOR STOP & HOLD	(WOOD FLOOR) IVES FS450		ON EXTERIOR SIDE; POSITION FLOOR STOP TO ENSURE DOOR OPENS TO FURTHEST EXTENT POSSIBLE, WHILE STILL PROVIDING ACCESS TO HOLD HOOK. CONFIRM FINAL LOCATIONS OF STOPS W/ UOI CM PRIOR TO INSTALL AND AFTER HANDLES HAVE BEEN INSTALLED
GROUP 1 NOTES: *FOR ALL HARDWARE - BRASS PREFERRED, US10B ALTERNATIVE*				
GROUP 2: ALARMED EXIT DOOR (EXISTING)				
1 EACH	ALARMED EXIT DEVICE	DETEX EAX-2500 (TO BE HARDWIRED) IC CORE LOCK	BLACK	
1 EACH	DOOR BUZZER	EDWARDS #600 (PUSH BUTTON)		AT REAR EXIT DOOR
1 EACH	DOOR BELL	EDWARDS #600 (BELL)		LOCATE DOOR BELLS IN BOH AREA AND IN BACKWRAP CABINET, REFER TO ELEC DWG FOR LOCATION
1	PANIC BAR	EXISTING TO REMAIN		
3	HINGES	EXISTING TO REMAIN -OR- HAGER BB1279 (4.5X4.5)		
1	DOOR CLOSER	EXISTING TO REMAIN -OR- LCN 4040XP		DELAY ACTION CYLINDER & HOLD OPEN ARM
1 EACH	KICK PLATE			
1 EACH	DOOR VIEWER	HAGER 1756		
1 EACH	KICKDOWN DOOR STOP	HAGER 208		
GROUP 2 NOTES: *GC TO VIF EXISTENCE OF EXTERIOR SIDE DOOR PULL; GC TO PROVIDE IF NONE EXISTING*				
GROUP 3: PRIVACY FUNCTION - RESTROOM				
1 EACH	PRIVACY LOCKSET	BEST 7KC-3-0-L-14		
1.5 PAIR	HINGES	HAGER BB1279 (4.5X4.5)		
1 EACH	DOOR CLOSER	LCN 4040XP		DELAY ACTION CYLINDER & HOLD OPEN ARM
3 EACH	SILENCERS	(METAL FRAME) TRIMCO 1229A		
1 EACH	KICKDOWN DOOR STOP	DELTANA DHK7 -OR- HAGER 208		
GROUP 4: SALES TO CORRIDOR - BRASS PREFERRED, US10B ALTERNATIVE				
1	DOOR PULLS	EMTEK CS86170		BRISBANE DOOR PULL
1	PUSH PLATE	EMTEK 86436		MODERN PUSH PLATE
3 EACH	HINGES	HAGER BB1279 (4.5X4.5)		
1 EACH	DOOR CLOSER	LCN 4040XP		DELAY ACTION CYLINDER & HOLD OPEN ARM
3 EACH	SILENCERS	(METAL FRAME) TRIMCO 1229A		
1 EACH	KICKDOWN DOOR STOP	DELTANA DHK7		
GROUP 5: CORRIDOR TO BOH				
1 EACH	LOCKSET	SIMPLEX 8100		
1.5 PAIR	HINGES	HAGER BB1279 (4.5X4.5)		
1 EACH	DOOR CLOSER	LCN 4040XP		DELAY ACTION CYLINDER & HOLD OPEN ARM
3 EACH	SILENCERS	(METAL FRAME) TRIMCO 1229A		
1 EACH	KICKDOWN DOOR STOP	HAGER 208		
1 EACH	DOOR VIEWER	HAGER 1756		
* GC TO VERIFY ALL EXISTING HARDWARE & ADD/ REPLACE TO CREATE COMPLETE HARDWARE GROUPS AS SHOWN ABOVE				

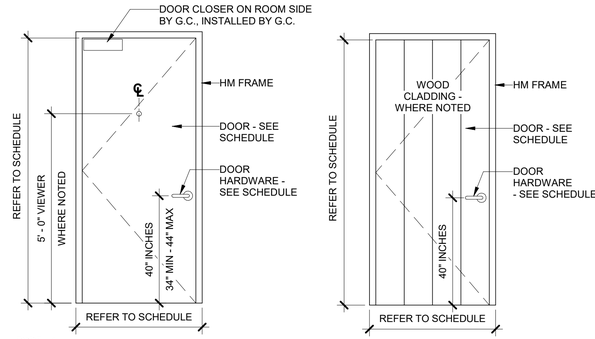
DOOR SCHEDULE

DOOR NO	LOCATION	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS THRESHOLD	HARDWARE GROUP	FIRE RATING	REMARKS
100	SALES - A	6' - 0"	8' - 7"	2"	B	AL	MT-2	EX	EX	EX	EX	3/A600	1	N/A	NEW DOORS IN EXISTING OPENING, OWNER PROVIDED PULL HANDLES, TS-330
110	DISCOUNT	3' - 0"	8' - 0"	1 3/4"	D	HM	P1	HM	P1	1/A600	1/A600	5/A600	4	N/A	WOOD CLADDING ON SALES SIDE ONLY
111	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	EX	EX	P1	EX	P1	EX	EX	-	2	N/A	EXISTING TO REMAIN
112	(N) RESTROOM	3' - 0"	7' - 0"	1 3/4"	A	HM	P1	HM	P1	1/A600	1/A600	2/A600	3	N/A	
113	BOH	3' - 0"	7' - 0"	1 3/4"	A	HM	P1	HM	P1	1/A600	1/A600	-	5	N/A	HOMASOTE PANEL, BOH SIDE ONLY



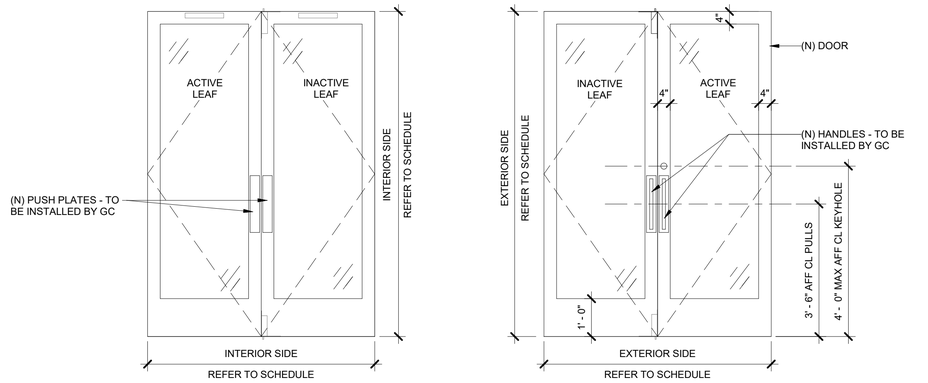
TACTILE SIGNAGE SHALL COMPLY WITH ANSI A117.1 CHAPTER 7; SECTIONS 703.1-703.7

RESTROOM SIGNAGE



TYPE - A

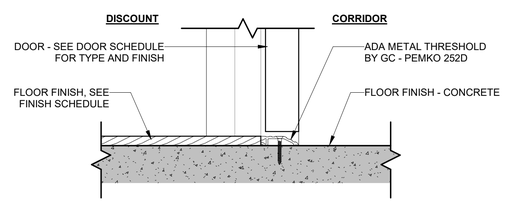
NOTE:
REFER TO FLOOR PLAN FOR DOOR SWING DIRECTION, REFER TO A600 FOR HARDWARE. REINFORCE FRAMES AS REQUIRED FOR HARDWARE



TYPE - B (EXISTING STOREFRONT DOOR)

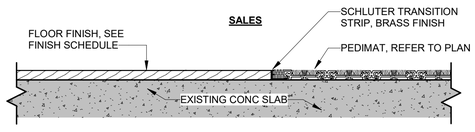
7 DOOR TYPES ELEVATION

A600 SCALE: 1/2" = 1'-0"



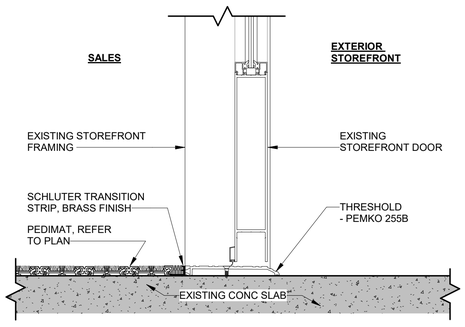
5 TRANSITION DETAIL @ WD TO CONCRETE

A600 SCALE: 3" = 1'-0"



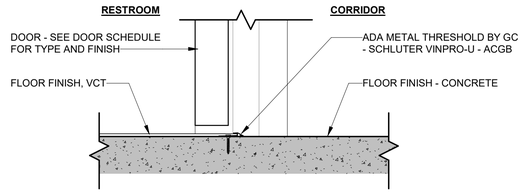
4 TRANSITION DTL @ WOOD TO PEDIMAT

A600 SCALE: 3" = 1'-0"



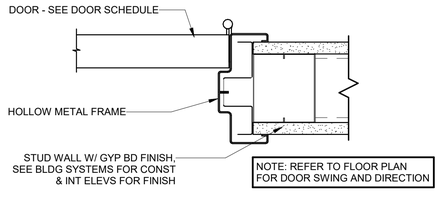
3 TRANSITION DTL @ PEDIMAT & THRESHOLD

A600 SCALE: 3" = 1'-0"



2 TRANSITION DETAIL @ VCT TO CONCRETE

A600 SCALE: 3" = 1'-0"



1 METAL FRAME JAMB DETAIL

A600 SCALE: 3" = 1'-0"

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DRAWN BY: TZL CHECKED BY:JM/ AJ

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DOOR SCHEDULE, DETAILS & NOTES

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A600

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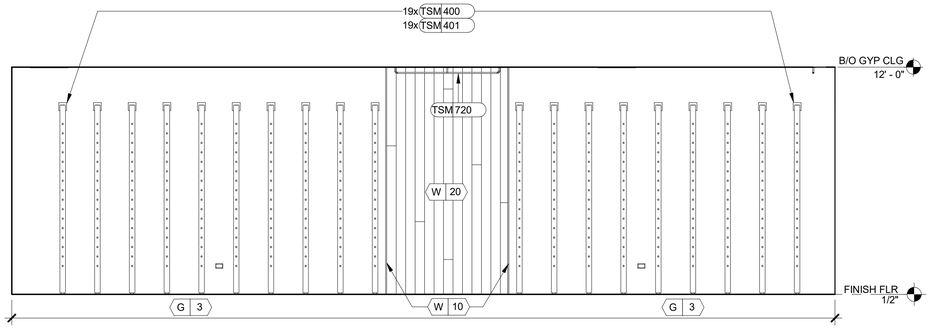
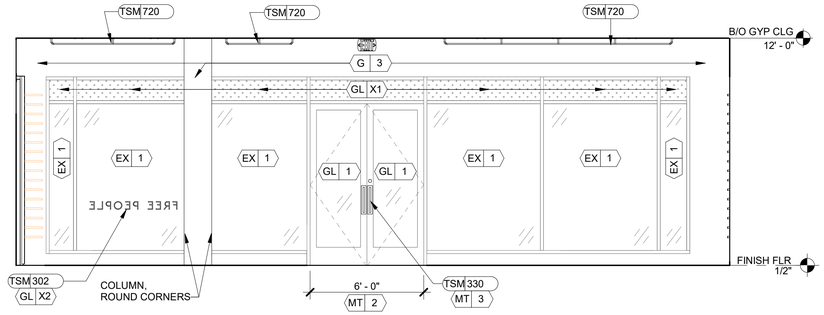


14 ELEVATION - SALES A - NORTH

A700 SCALE: 1/4" = 1'-0"



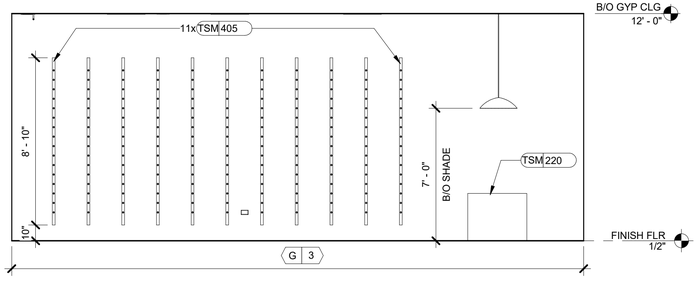
13 ELEVATION - SALES A - EAST

A700 SCALE: 1/4" = 1'-0"

GENERAL ELEVATION NOTES

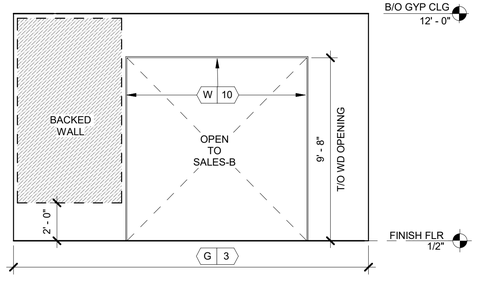
- ELEVATION DATUMS AREA TAKEN OFF CORRESPONDING FINISH FLOOR
- CENTER ALL EXIT SIGNS OVER OPENING BELOW. OFFSET EXIST SIGN 3" FROM WALL/BEAM FOR ALL CEILING MOUNT SIGN
- 3/4" RADIUS ON EDGE OF ALL MICA PLASTER FINISH WALL CORNERS, BOTH INSIDE AND OUTSIDE CORNERS

PORTIONS OF WALL SHOWN WITH HATCH PATTERN ARE TO RECEIVE FRT PLYWOOD BLOCKING BEHIND WALL FINISH



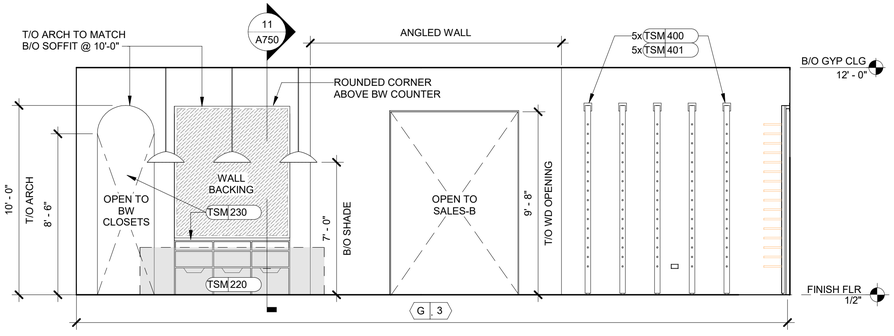
12 ELEVATION - SALES A - SOUTH

A700 SCALE: 1/4" = 1'-0"



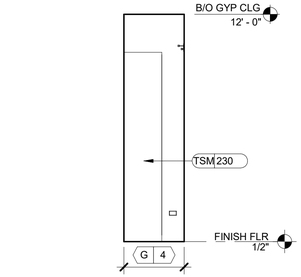
11 ELEVATION - SALES A - SOUTH WEST

A700 SCALE: 1/4" = 1'-0"



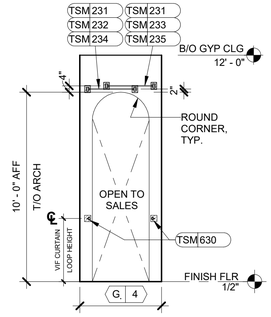
10 ELEVATION - SALES A - WEST

A700 SCALE: 1/4" = 1'-0"



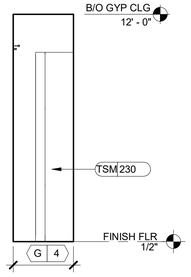
9 ELEVATION - BW CLOSET - NORTH

A700 SCALE: 1/4" = 1'-0"



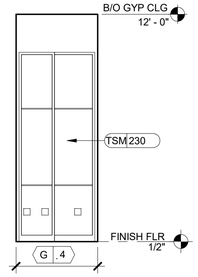
8 ELEVATION - BW CLOSET - EAST

A700 SCALE: 1/4" = 1'-0"



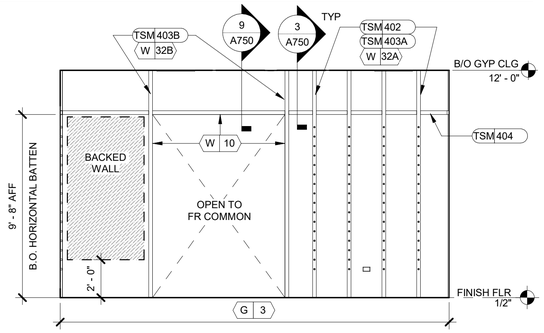
7 ELEVATION - BW CLOSET - SOUTH

A700 SCALE: 1/4" = 1'-0"



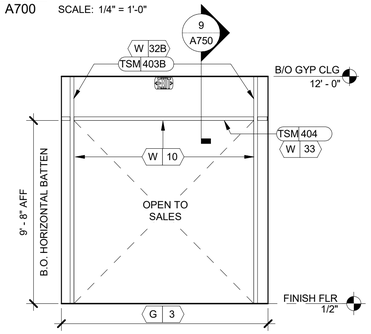
6 ELEVATION - BW CLOSET - WEST

A700 SCALE: 1/4" = 1'-0"



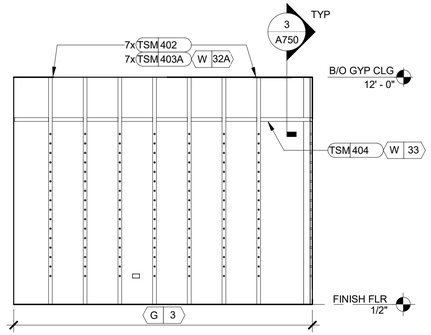
5 ELEVATION - SALES B - NORTH

A700 SCALE: 1/4" = 1'-0"



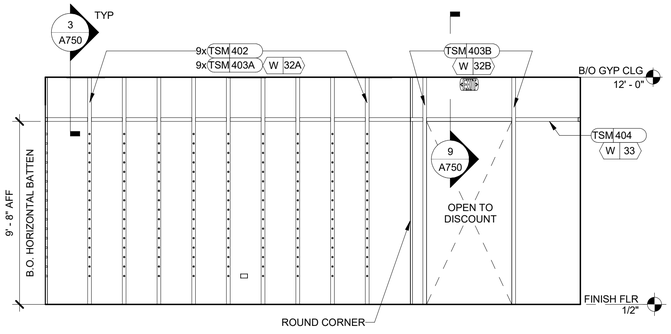
4 ELEVATION - SALES B - NORTH EAST

A700 SCALE: 1/4" = 1'-0"



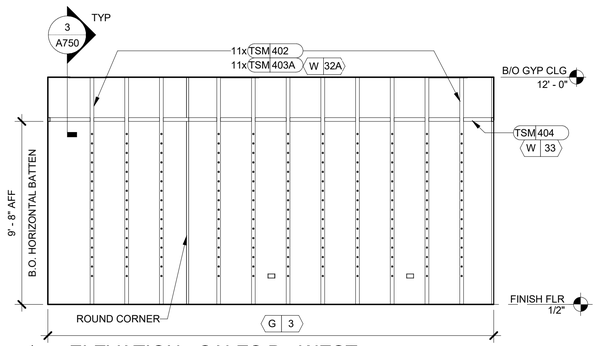
3 ELEVATION - SALES B - EAST

A700 SCALE: 1/4" = 1'-0"



2 ELEVATION - SALES B - SOUTH

A700 SCALE: 1/4" = 1'-0"



1 ELEVATION - SALES B - WEST

A700 SCALE: 1/4" = 1'-0"

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A700

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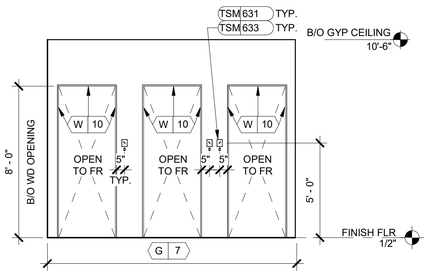
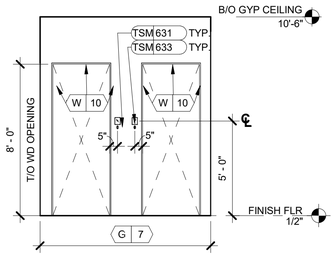


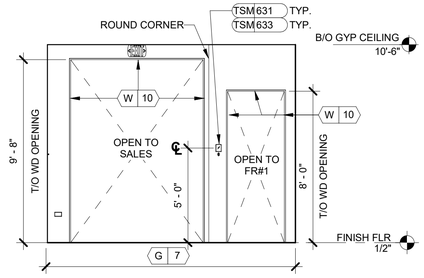
14 ELEVATION -FR COMMON - NORTH

A701 SCALE: 1/4" = 1'-0"



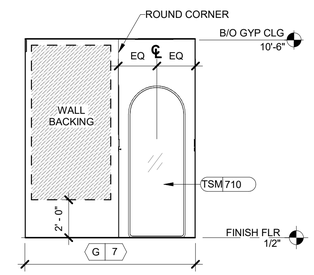
13 ELEVATION -FR COMMON - EAST

A701 SCALE: 1/4" = 1'-0"



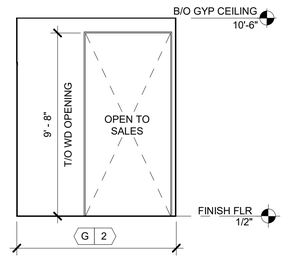
12 ELEVATION -FR COMMON - SOUTH

A701 SCALE: 1/4" = 1'-0"



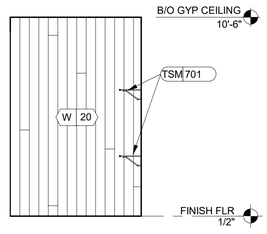
11 ELEVATION -FR COMMON - WEST

A701 SCALE: 1/4" = 1'-0"



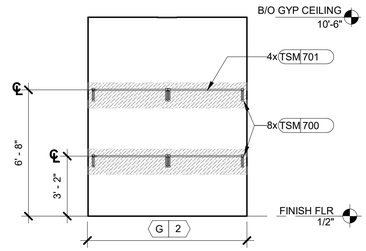
10 ELEVATION -DISCOUNT - NORTH

A701 SCALE: 1/4" = 1'-0"



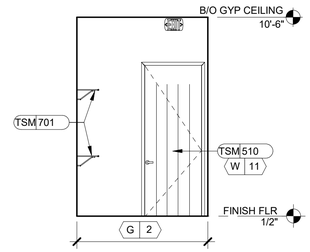
9 ELEVATION -DISCOUNT - EAST

A701 SCALE: 1/4" = 1'-0"



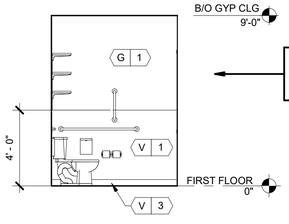
8 ELEVATION -DISCOUNT - SOUTH

A701 SCALE: 1/4" = 1'-0"

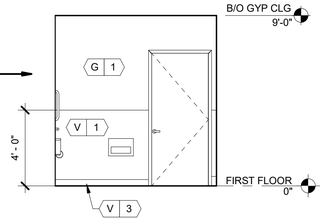


7 ELEVATION -DISCOUNT - WEST

A701 SCALE: 1/4" = 1'-0"



NOTE:
SEE G003 FOR TYP. PLUMBING MOUNTING DETAILS & DIMENSIONS

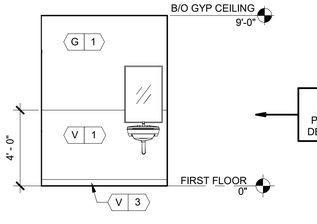


6 ELEVATION -RESTROOM - NORTH

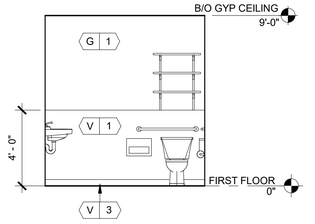
A701 SCALE: 1/4" = 1'-0"

5 ELEVATION -RESTROOM - EAST

A701 SCALE: 1/4" = 1'-0"



NOTE:
SEE G003 FOR TYP. PLUMBING MOUNTING DETAILS & DIMENSIONS

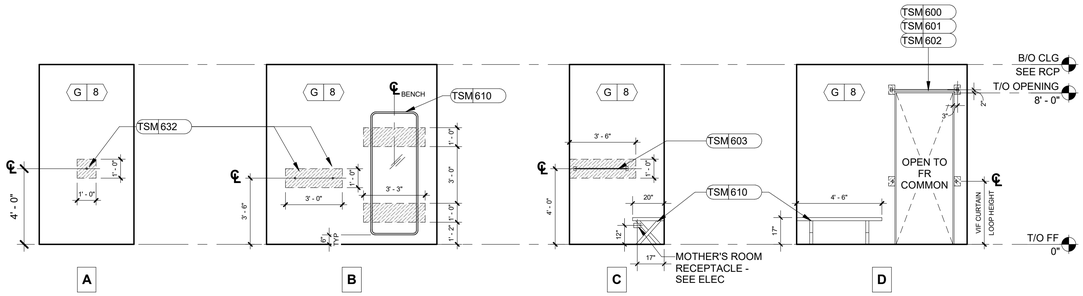


4 ELEVATION -RESTROOM - SOUTH

A701 SCALE: 1/4" = 1'-0"

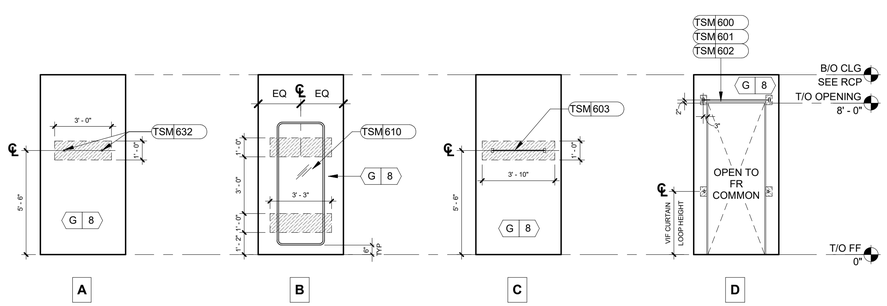
3 ELEVATION -RESTROOM - WEST

A701 SCALE: 1/4" = 1'-0"



2 TYP FITTING RM ELEVATIONS - ADA

A701 SCALE: 1/4" = 1'-0"



1 TYP FITTING RM ELEVATIONS

A701 SCALE: 1/4" = 1'-0"

GENERAL ELEVATION NOTES

- ELEVATION DATUMS AREA TAKEN OFF CORRESPONDING FINISH FLOOR
- CENTER ALL EXIT SIGNS OVER OPENING BELOW. OFFSET EXIST SIGN 3" FROM WALL/BEAM FOR ALL CEILING MOUNT SIGN
- 3/4" ROUNDED ON EDGE OF ALL MICA PLASTER FINISH WALL CORNERS, BOTH INSIDE AND OUTSIDE CORNERS

PORTIONS OF WALL SHOWN WITH HATCH PATTERN ARE TO RECEIVE FRT PLYWOOD BLOCKING BEHIND WALL FINISH

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A701

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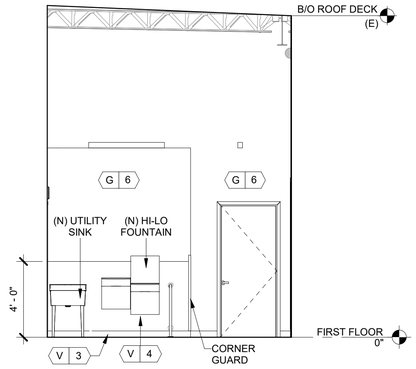
GENERAL ELEVATION NOTES

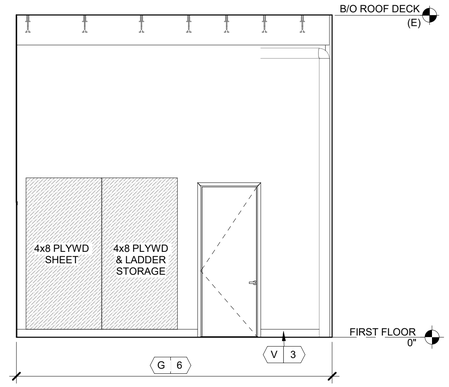
- ELEVATION DATUMS AREA TAKEN OFF CORRESPONDING FINISH FLOOR
- CENTER ALL EXIT SIGNS OVER OPENING BELOW. OFFSET EXIST SIGN 3" FROM WALL/BEAM FOR ALL CEILING MOUNT SIGN
- 3/4" ROUNDED ON EDGE OF ALL MICA PLASTER FINISH WALL CORNERS, BOTH INSIDE AND OUTSIDE CORNERS

PORTIONS OF WALL SHOWN WITH HATCH PATTERN ARE TO RECEIVE FRT PLYWOOD BLOCKING BEHIND WALL FINISH



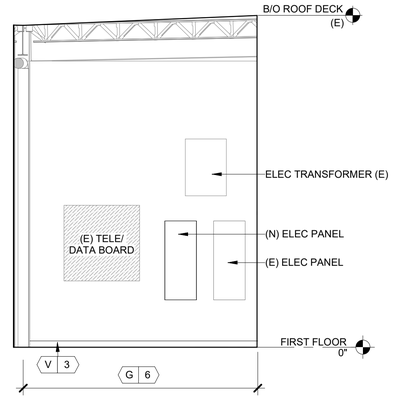
8 ELEVATION -CORRIDOR - NORTH

A702 SCALE: 1/4" = 1'-0"



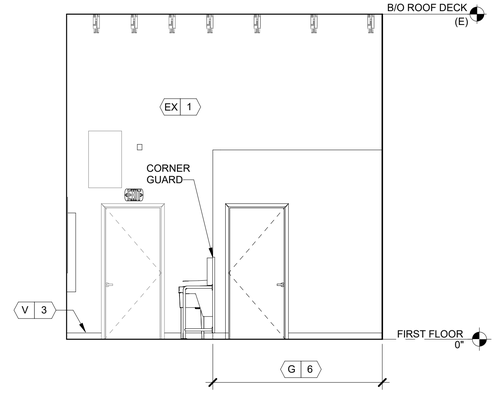
7 ELEVATION -CORRIDOR - EAST

A702 SCALE: 1/4" = 1'-0"



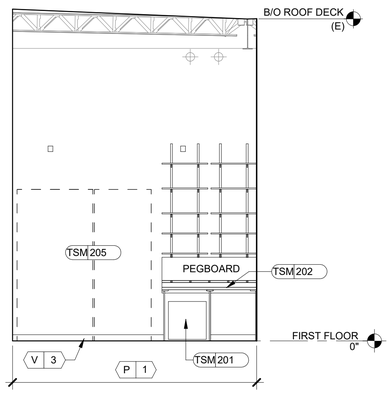
6 ELEVATION -CORRIDOR - SOUTH

A702 SCALE: 1/4" = 1'-0"



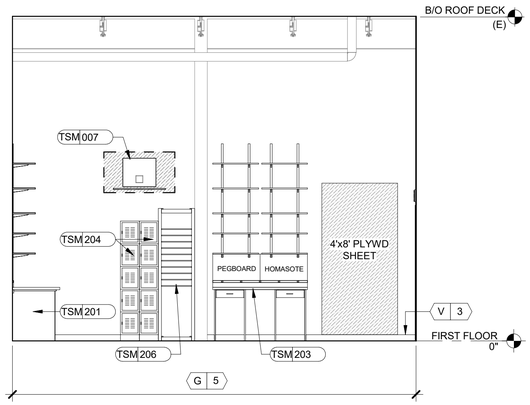
5 ELEVATION -CORRIDOR - WEST

A702 SCALE: 1/4" = 1'-0"



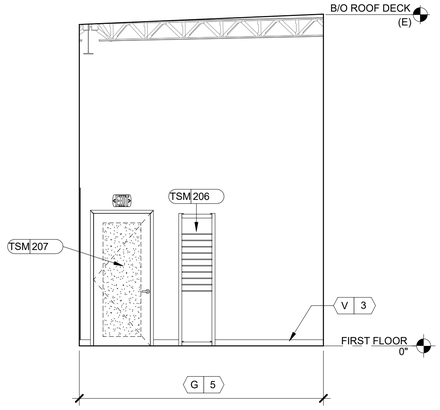
4 ELEVATION - BOH - NORTH

A702 SCALE: 1/4" = 1'-0"



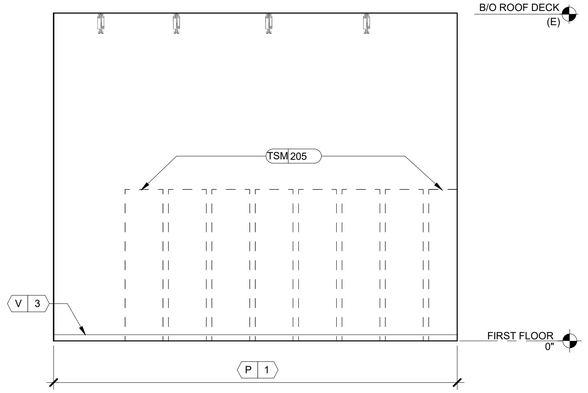
3 ELEVATION - BOH - EAST

A702 SCALE: 1/4" = 1'-0"



2 ELEVATION - BOH - SOUTH

A702 SCALE: 1/4" = 1'-0"



1 ELEVATION - BOH - WEST

A702 SCALE: 1/4" = 1'-0"

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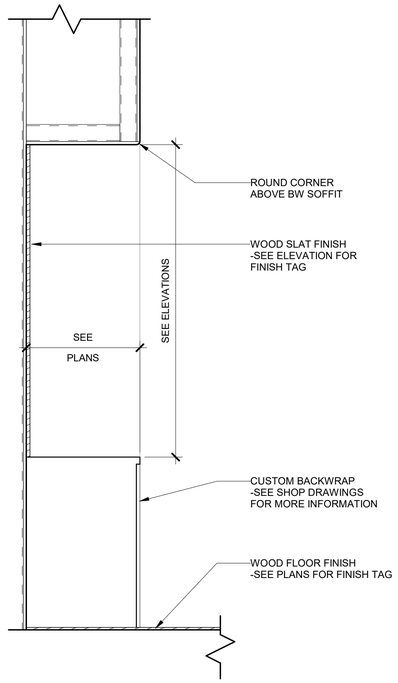
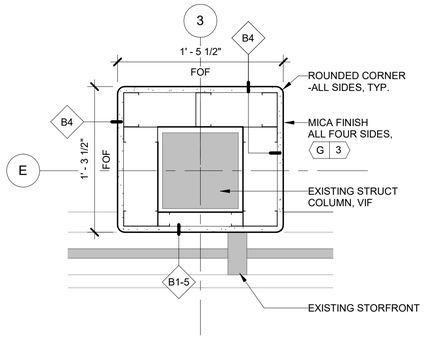


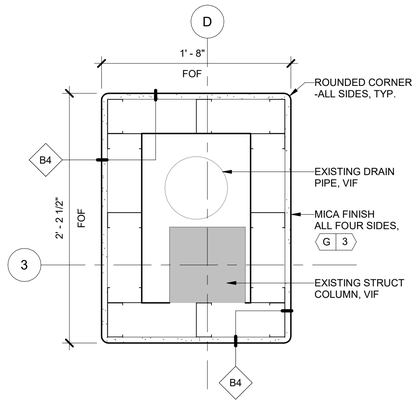
11 BACKWRAP SECTION DETAIL

A750 SCALE: 3/4" = 1'-0"



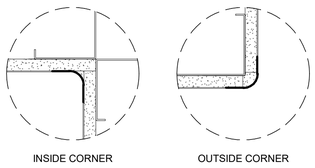
8 ENLARGED COLUMN @ STOREFRONT DTL

A750 SCALE: 1 1/2" = 1'-0"



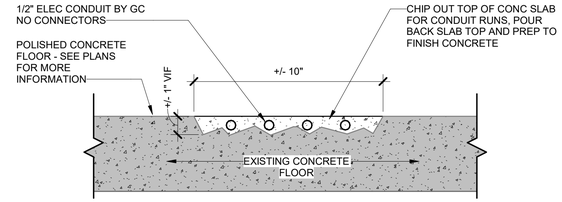
7 ENLARGED COLUMN PLAN DETAIL

A750 SCALE: 1 1/2" = 1'-0"



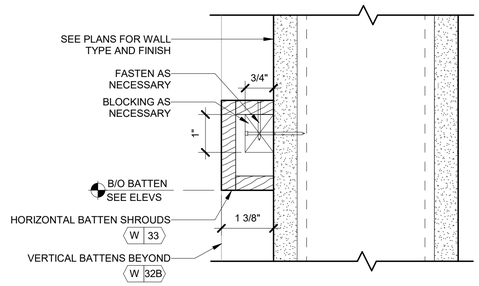
6 TYP CORNER ROUNDING DETAIL

A750 SCALE: 6" = 1'-0"



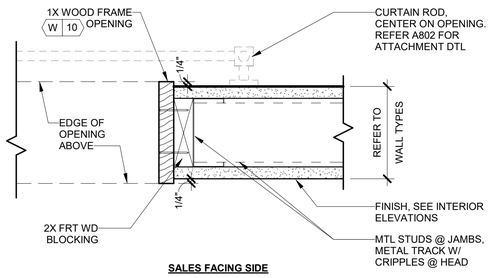
4 CONDUIT FLOORING DETAIL

A750 SCALE: 3" = 1'-0"



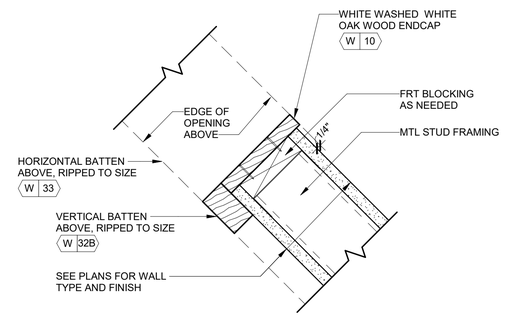
3 DETAIL @ HORIZONTAL SHROUDS

A750 SCALE: 6" = 1'-0"



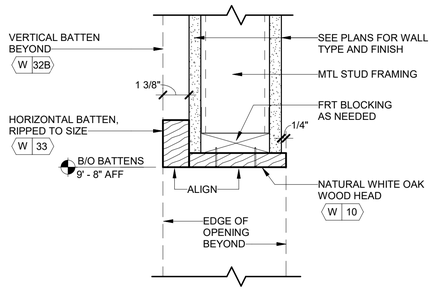
2 DETAIL @ HEAD/JAMB WD FRAME OPENINGS

A750 SCALE: 3" = 1'-0"



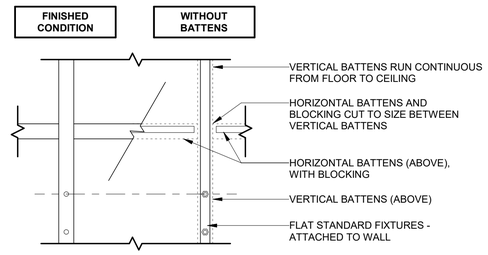
10 DETAIL @ WD FRAME/HORIZ SHROUD OPENING

A750 SCALE: 3" = 1'-0"



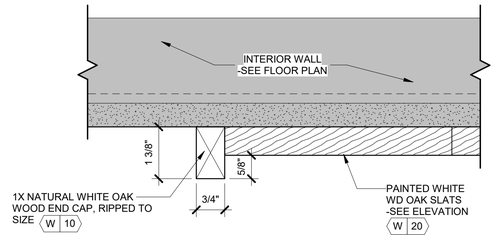
9 DETAIL @ WD BATTEN JAMB/HEAD OPENING

A750 SCALE: 3" = 1'-0"



5 DETAIL @ BATTEN INTERSECTION

A750 SCALE: 1" = 1'-0"



1 ACCESSORIES WALL END CAP DETAIL

A750 SCALE: 6" = 1'-0"

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DRAWN BY: TZL CHECKED BY:JM/ AJ

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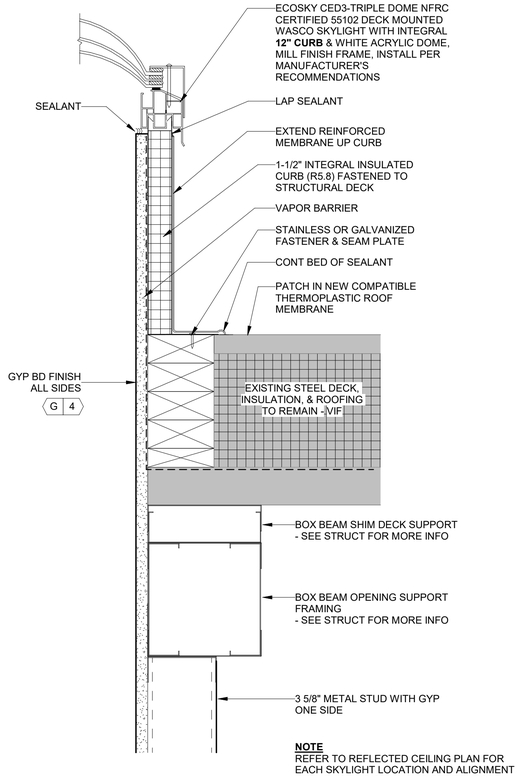
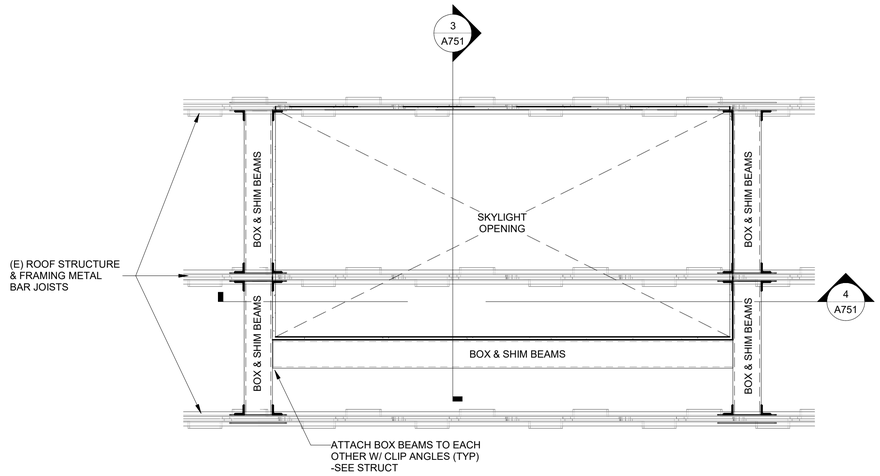


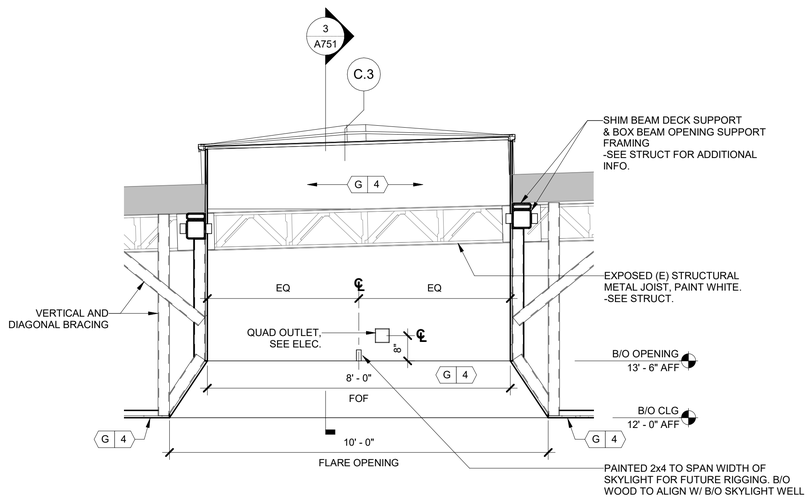
5 SECTION DETAIL @ SKYLIGHT

A751 SCALE: 3" = 1'-0"



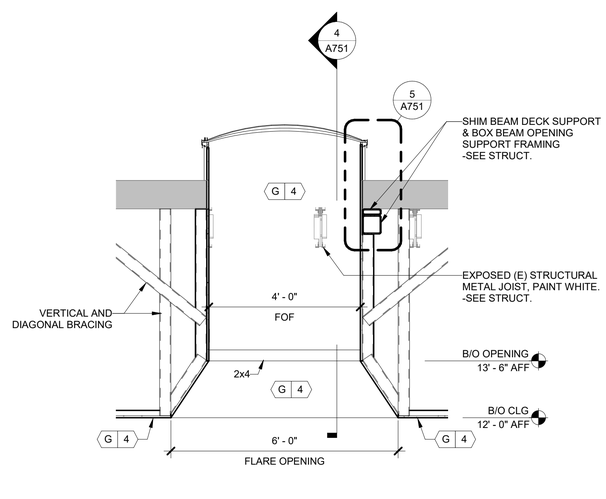
2 ENLARGED SKYLIGHT OVERCEILING PLAN

A751 SCALE: 3/4" = 1'-0"



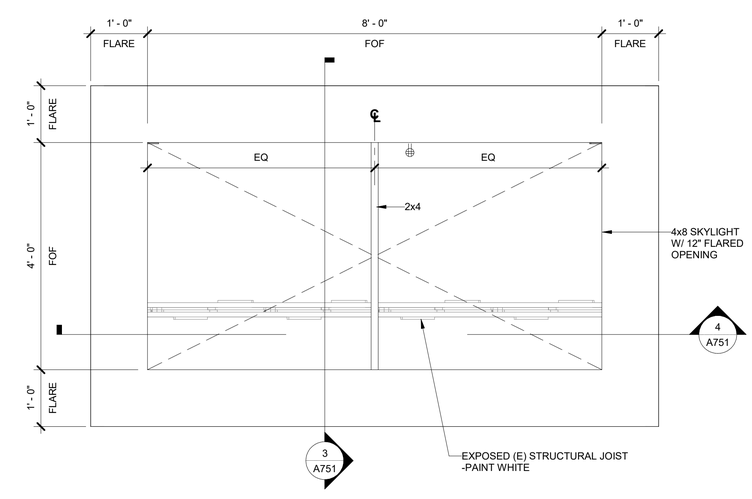
4 SECTION DETAIL @ SKYLIGHT - WEST TO EAST

A751 SCALE: 1/2" = 1'-0"



3 SECTION DETAIL @ SKYLIGHT - NORTH TO SOUTH

A751 SCALE: 1/2" = 1'-0"



1 ENLARGED SKYLIGHT PLAN

A751 SCALE: 3/4" = 1'-0"

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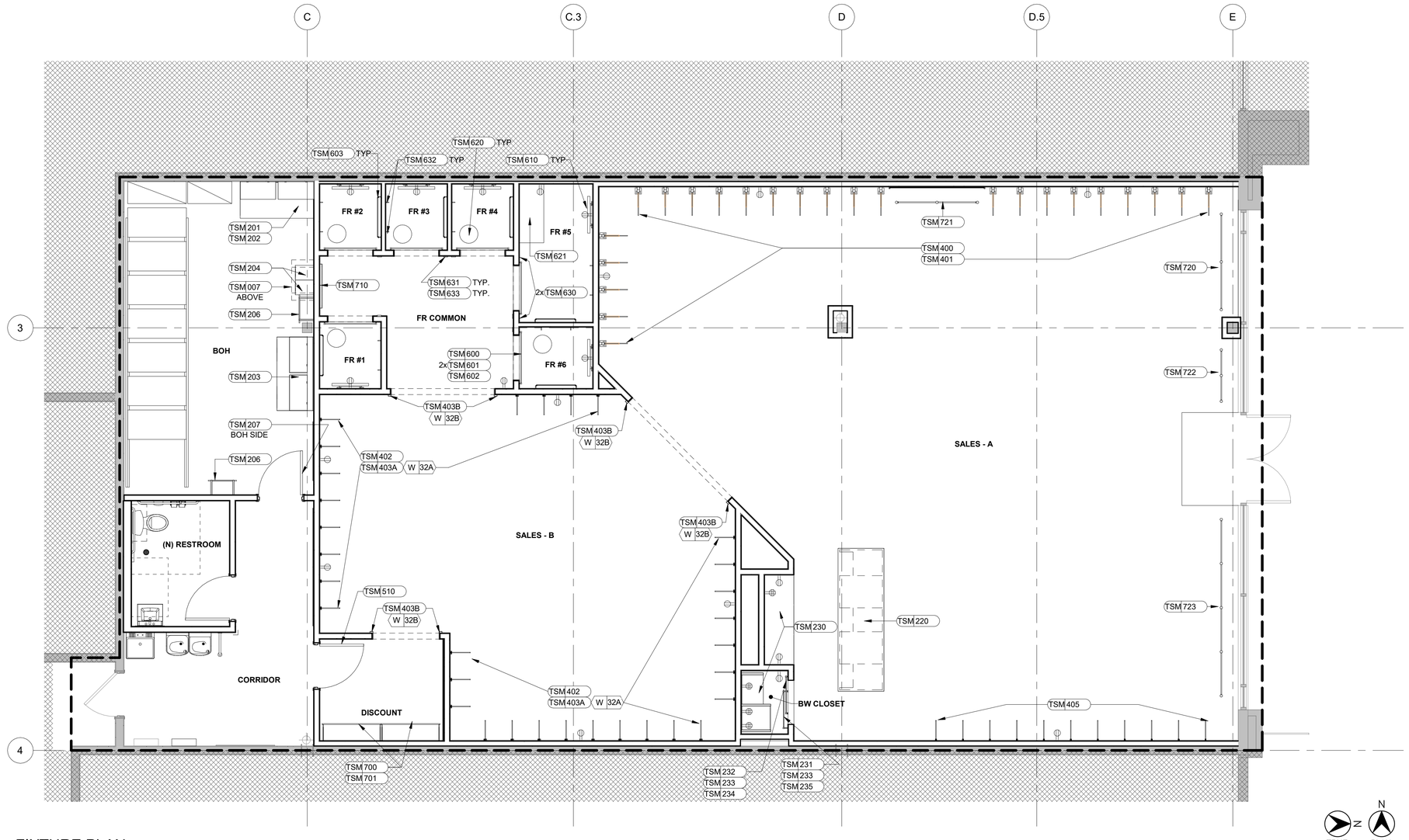
FIXTURE PLAN NOTES

1. MINIMUM OF ONE 44" WIDTH (MIN) PATH OF EGRESS FROM STOREFRONT TO REAR EXIT MUST BE MAINTAINED. ALL OTHER PATHWAYS MUST BE AT LEAST 36" WIDE.
2. UNO ALL STEEL FIXTURE STANDARDS (TUBE STEEL, ANGLES, PLATES, FASTENERS, ETC.) TO BE OF ASTM500 GRADE B HOT ROLLED STRUCTURAL STEEL AND FINISHED PER FINISH SCHEDULE. SUBMIT SAMPLES TO UOI FOR REVIEW AND APPROVAL
3. REFER TO FINISH SCHEDULE FOR TENANT SUPPLIED FINISHES

TS ### TENANT SUPPLIED ITEM - SEE TSM SCHEDULE



1 FIXTURE PLAN

A800 SCALE: 1/4" = 1'-0"

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FIXTURE PLAN

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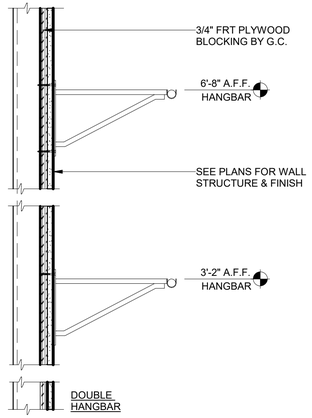
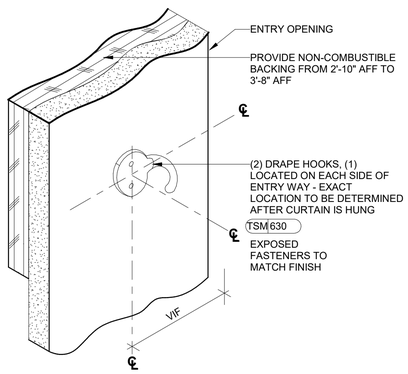


5 SECTION DTL - DISCOUNT ROD

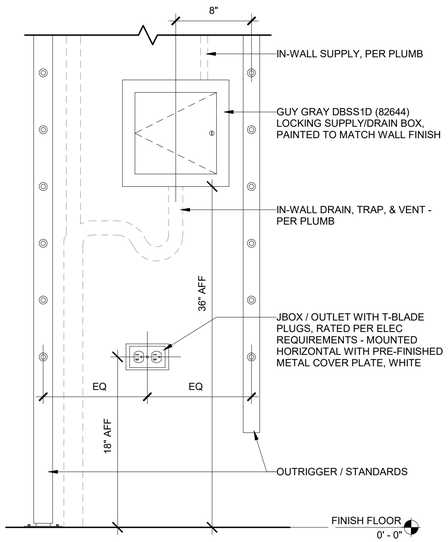
A801 SCALE: 1 1/2" = 1'-0"

NOTE
TIE BACK HOOK TO BE INSTALLED AFTER CURTAIN IS HUNG



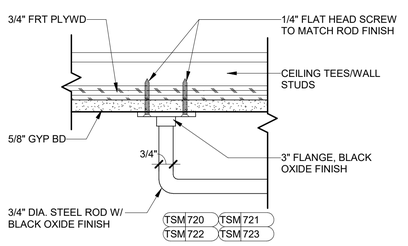
7 TYP CURTAIN TIE-BACK AXON

A801 SCALE: 6" = 1'-0"



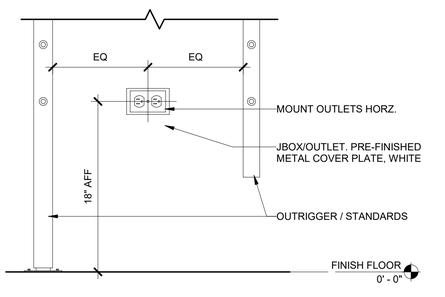
4 AUXILIARY COOLING MANIFOLD DETAIL

A801 SCALE: 1 1/2" = 1'-0"



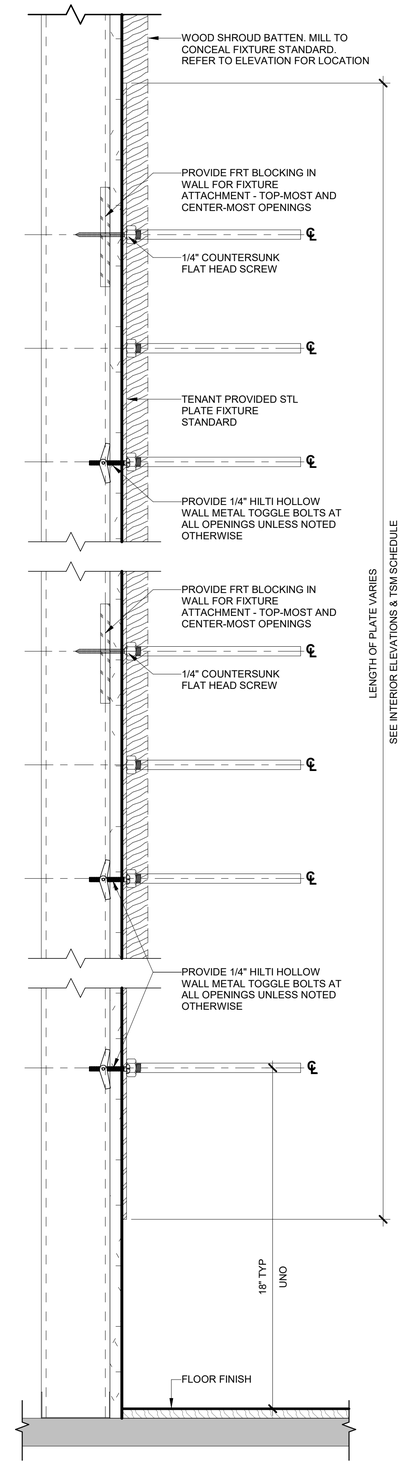
6 DETAIL @ CLG MOUNTED HANGROD

A801 SCALE: 3" = 1'-0"



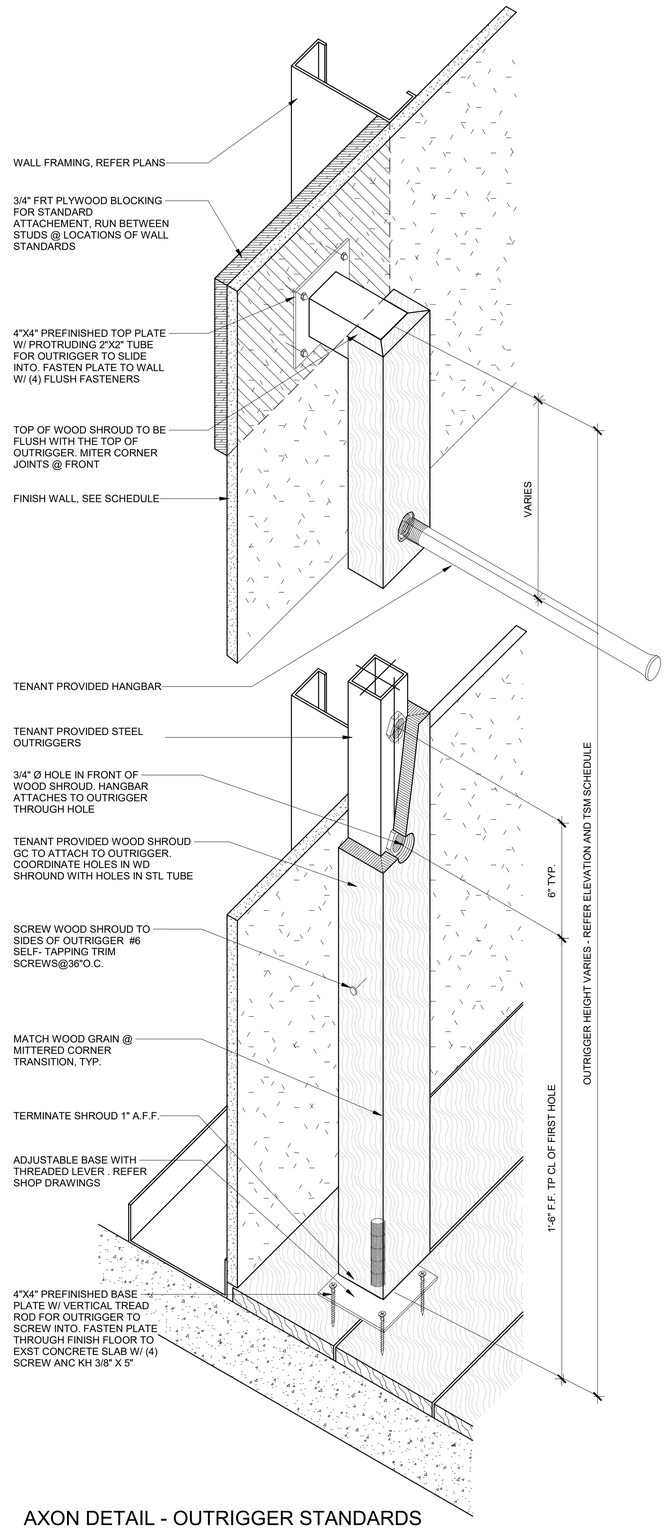
3 TYP OUTLET MOUNTED IN SALES AREA

A801 SCALE: 1 1/2" = 1'-0"



2 SECTION DTL - FLAT STANDARD

A801 SCALE: 3" = 1'-0"



1 AXON DETAIL - OUTRIGGER STANDARDS

A801 SCALE: 3" = 1'-0"

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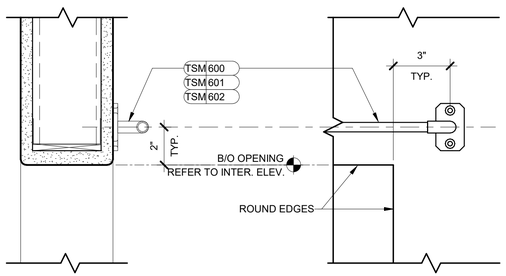
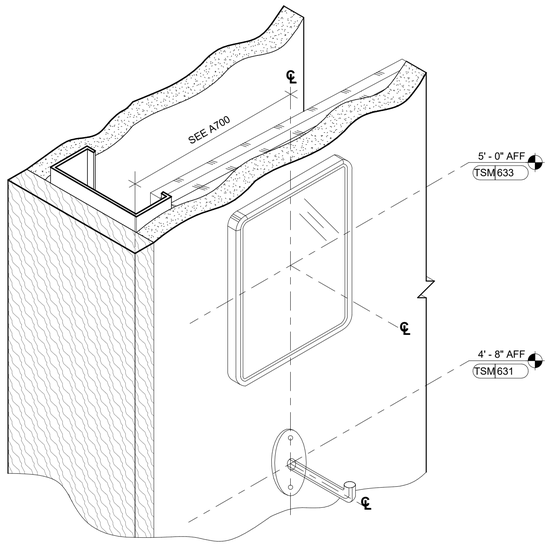
GC TO PROVIDE BLOCKING AS REQUIRED FOR FIXTURE ATTACHMENT



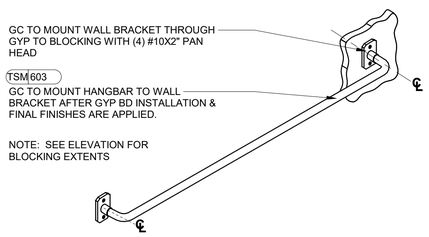
7 TYP. CURTAIN ROD DETAIL

A802 SCALE: 3" = 1'-0"



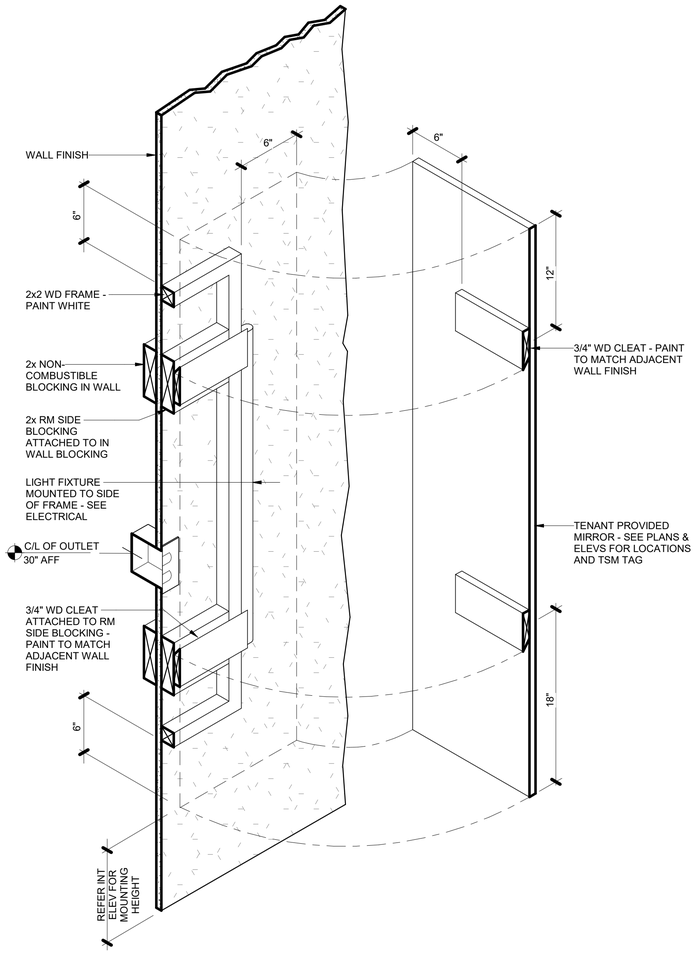
6 TYP ITEM COUNTER & HOOK DETAIL

A802 SCALE: 6" = 1'-0"



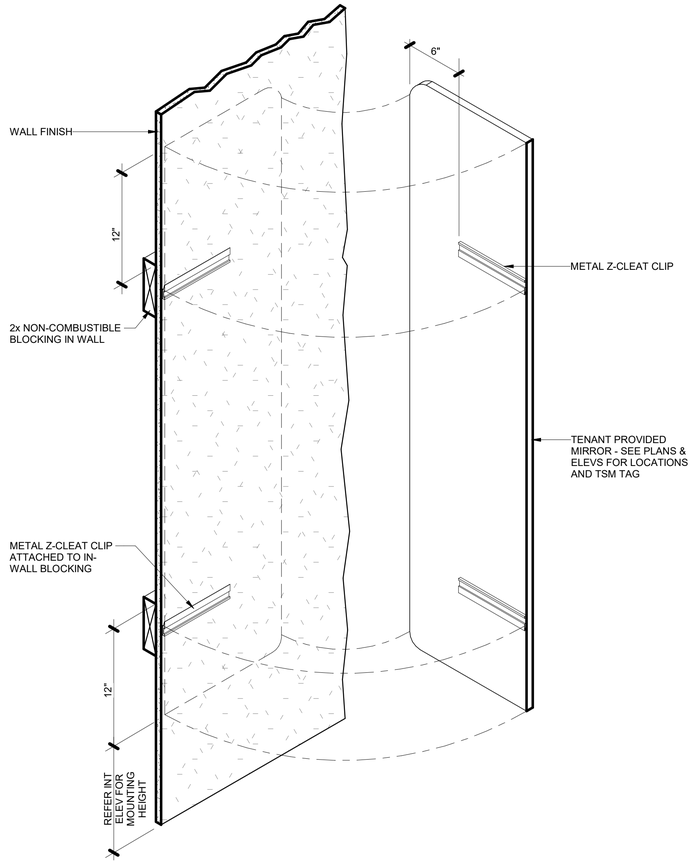
5 HANGBAR DETAIL (ISOMETRIC)

A802 SCALE: 1 1/2" = 1'-0"



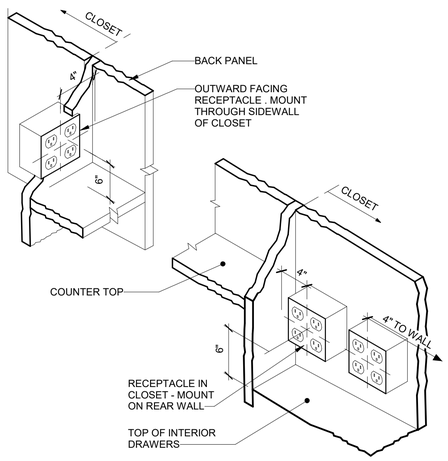
4 WALL MOUNTED MIRROR - BACKLIT

A802 SCALE: 1 1/2" = 1'-0"



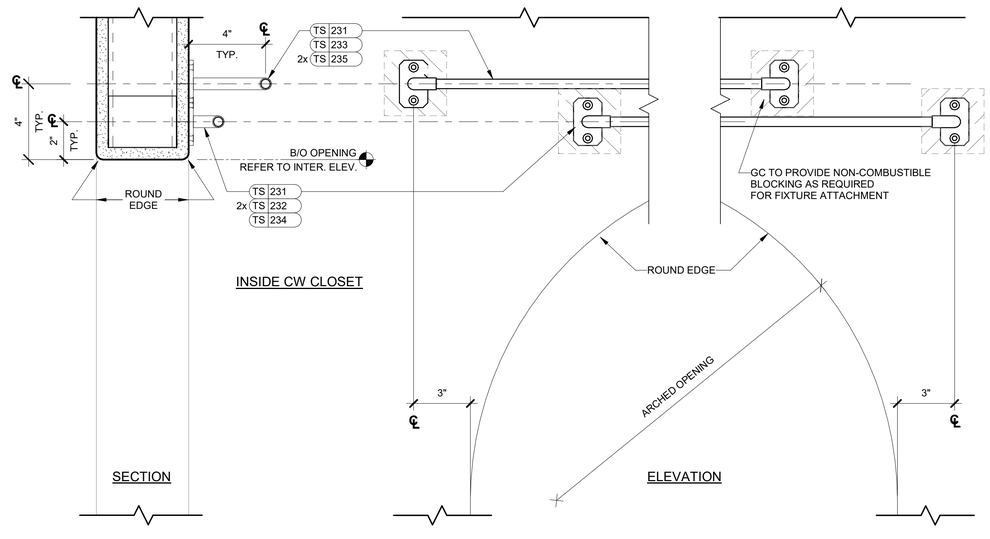
2 WALL MOUNTED MIRROR

A802 SCALE: 1 1/2" = 1'-0"



3 BACKWRAP OUTLET MOUNTING

A802 SCALE: 1 1/2" = 1'-0"



1 TYP. CURTAIN ROD DETAIL

A802 SCALE: 3" = 1'-0"

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DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIRMENTS

BIDDING REQUIREMENTS
THE BID SHALL BE MADE ON THE FORM OF PROPOSAL FURNISHED BY THE ARCHITECT OR OWNER. IF A BID FORM IS NOT PROVIDED BIDS SHALL BE SUBMITTED ON CONTRACTORS FORM OF PROPOSAL. SUBMIT BIDS VIA FAX CLEARLY MARKED WITH STORE NAME, MALL NAME, CITY, AND STATE. BID PROPOSALS SHALL BE FAXED TO THE OWNER, THE FAX NUMBER IS LISTED ON THE COVER SHEET OF THIS DRAWING PACKAGE.

THE PROPOSAL SHALL BE SUBMITTED ON A STIPULATED SUM BASIS, PRESENTED BY ASSIGNING TO PREDETERMINED DIVISIONS LISTED ON THE BID FORM SHEET; SUMMATING TO THE STIPULATED SUM. THE BIDDER IS REQUIRED TO BID ON THE BASE BID ALL ALTERNATES. EACH ALTERNATE PRICE SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, AND SALES TAX.

BEFORE SUBMITTING PROPOSALS FOR THIS WORK, EACH BIDDER WILL BE HELD TO HAVE EXAMINED THE PREMISES AND SATISFIED HIMSELF/HERSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE/SHE WILL BE OBLIGED TO OPERATE IN PERFORMING THE WORK, OR THAT WILL IN ANY MANNER AFFECT THE WORK UNDER THIS CONTRACT. THE BASE BID SHALL REFLECT MODIFICATIONS TO SYSTEMS AND DEVICES AS REQUIRED BY STATE AND LOCAL CODES AND MALL REQUIREMENTS WHETHER INDICATED OR NOT ON PROJECT DOCUMENTS. THE SUBMISSIONS OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION AND COMPLIANCE WITH GOVERNING CODES/REQUIREMENTS HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION AND CODE/REQUIREMENTS REVIEW BEEN MADE, WILL NOT BE ALLOWED.

THE CONTRACT WILL BE AWARDED AS SOON AS POSSIBLE TO THE SELECTED BIDDER, AS DETERMINED BY THE OWNER, AND AT HIS/HER SOLE DISCRETION. THE OWNER RESERVES THE RIGHT TO WAIVE ANY INFORMALITY IN BIDS RECEIVED WHEN SUCH WAIVER IS IN THE INTEREST OF THE OWNER.

EXTRA WORK OR CHANGES IN THE WORK NOT CALLED FOR IN THE DRAWINGS OR SPECIFICATIONS ISSUED BY THE OWNER, WILL BE PERFORMED ON A WRITTEN AUTHORIZATION FROM THE OWNER. NO CLAIM FOR EXTRA WORK WILL BE ALLOWED UNLESS A PRICE HAS BEEN AGREED UPON BEFOREHAND ON A CHANGE ORDER PREPARED BY THE CONTRACTOR AND AUTHORIZED BY THE OWNER.

THE PRICE FOR EXTRAS SHALL BE CALCULATED AT THE CONTRACTOR'S COST PLUS OVERHEAD AND PROFIT AT THE PERCENTAGE LIMITED BY THE OWNER.

THE GENERAL CONTRACTOR IS REQUIRED TO HAVE ALL SUBCONTRACTORS REVIEW AND FAMILIARIZE THEMSELVEW WITH THE CONTRACT DOCUMENTS PRIOR TO BIDDING AS WELL AS THE EXECUTED LEASE AGREEMENT BETWEEN LANDLORD AND TENANT. ANY DISCREPANCY BETWEEN THESE CONTRACT DOCUMENTS AND THE LEASE INFORMATION IS TO BE REPORTED TO UO INC'S PROJECT MANAGER PRIOR TO THE START OF ANY WORK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY ACQUAINTING THEMSELVES WITH THE CONTENT AND SCOPE OF THE DRAWINGS AND SPECIFICATIONS.
THE GENERAL CONTRACTOR SHALL CHECK THE "RESPONSIBILITY SCHEDULE" FOR ALLOCATION OF SPECIFIC WORK. ALL WORK IS BY TENANT'S GENERAL CONTRACTOR UNLESS OTHERWISE NOTED. WORK DECLARED UNACCEPTABLE BY THE TENANT AND LANDLORD SHALL BE CORRECTED IN A MANNER AND TO A DEGREE OF QUALITY AS ACCEPTABLE BY THE TENANT AND LANDLORD.

THE CONSTRUCTION DRAWINGS LISTED IN THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON THE BEST INFORMATION AVAILABLE TO THE TENANT DURING PREPARATION OF THE CONTRACT DOCUMENTS. IN THE EVENT THAT PROBLEMS ARISE DURING THE COURSE OF THE PROJECT, DUE TO UNKNOWN SITE CONDITIONS OR CODE AND LANDLORD REQUIREMENTS (IF ANY) THAT CONFLICT WITH THE CONTRACT DOCUMENTS, THE GENERAL CONTRACTOR SHALL INFORM UO INC'S PROJECT MANAGER AND THE TENANT'S ARCHITECT IMMEDIATELY. ANY CHANGES THAT WILL BE REQUIRED WILL BE DELINEATED BY TENANT ARCHITECT

QUESTIONS REGARDING INTERPRETATIONS OR CLARIFICATIONS OF REQUIREMENTS SHALL BE DIRECTED TO NEWSTUDIO ARCHITECTURE, 4431 LAKE AVE SOUTH, WHITE BEAR LAKE, MINNESOTA 55110 (651) 207-5527, (FAX) 207-8247.

ALL CONTRACTORS SHALL BE BONDED AND LICENSED CONTRACTORS POSSESSING GOOD LABOR RELATIONS AND MUST BE CAPABLE OF QUALITY WORKMANSHIP, COORDINATING WITH OTHER CONTRACTORS WORKING ON THE PROJECT. UO INC'S PROJECT MANAGER IS TO BE NOTIFIED IN WRITING OF THE NAMES, ADDRESSES, DAYTIME PHONE, FAX, AND EMERGENCY PHONE NUMBERS OF ALL SUBCONTRACTORS AND SUPPLIERS WORKING ON THIS PROJECT. GENERAL CONTRACTOR MUST ATTEST THAT NO PRODUCTS CONTAINING ASBESTOS OR HAZARDOUS MATERIAL WERE KNOWINGLY USED ON THIS PROJECT

GENERAL CONDITIONS DEFINITIONS

OWNER/TENANT/CLIENT:	AS USED HEREIN SHALL MEAN STORE OWNER.
LANDLORD OR DEVELOPER:	AS USED HEREIN SHALL MEAN MALL OWNER OR PARTY LEASING THE SPACE TO THE TENANT.
ARCHITECT:	AS USED HEREIN SHALL MEAN NEW STUDIO ARCHITECTURE.
CONTRACTOR:	AS USED HEREIN SHALL MEAN TENANT'S (OWNER'S) GENERAL CONTRACTOR AND/OR ANY SUBCONTRACTORS.

THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT ARE INSTRUMENTS OF THE ARCHITECT'S SERVICE THROUGH WHICH THE WORK TO BE EXECUTED BY THE CONTRACTOR IS DESCRIBED. NEITHER THE CONTRACTOR, SUBCONTRACTOR, SUB-SUBCONTRACTOR, MATERIAL OR EQUIPMENT SUPPLIER SHALL OWN OR CLAIM A COPYRIGHT IN THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT UNLESS OTHERWISE INDICATED, THE ARCHITECT SHALL BE DEEMED THE AUTHOR OF THEM AND WILL RETAIN ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS, IN ADDITION TO THE COPYRIGHT. THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT, AND COPIES THEREOF FURNISHED TO THE CONTRACTOR ARE FOR USE SOLELY WITH RESPECT TO THIS PROJECT.

SHOULD THE DRAWINGS AND SPECIFICATIONS BE CONTRADICTORY, OR SHOULD THERE BE ERRORS IN EITHER, THE CONTRACTOR SHALL REFER THE MATTER TO THE ARCHITECT FOR EXPLANATION AND SHALL ABIDE BY THEIR DECISION.

THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS, VERIFY FIELD CONDITIONS, AND SHALL CAREFULLY COMPARE SUCH FIELD MEASUREMENTS AND CONDITIONS AND OTHER INFORMATION KNOWN TO THE CONTRACTOR WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ACTIVITIES. ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED SHALL BE REPORTED TO THE ARCHITECT AT ONCE.

WARRANTY
THE CONTRACTOR WARRANTS TO THE OWNER AND ARCHITECT THAT MATERIALS AND EQUIPMENT FURNISHED UNDER THE CONTRACT WILL BE OF GOOD QUALITY AND NEW UNLESS OTHERWISE REQUIRED OR PERMITTED BY THE CONTRACT DOCUMENTS, THAT THE WORK WILL BE FREE FROM DEFECTS NOT INHERENT IN THE QUALITY REQUIRED OR PERMITTED, AND THAT THE WORK WILL CONFORM WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. WORK NOT CONFORMING TO THESE REQUIREMENTS, INCLUDING SUBSTITUTIONS NOT PROPERLY APPROVED AND AUTHORIZED MAY BE CONSIDERED DEFECTIVE. WARRANTY SHALL COMMENCE UPON PROVIDING USE AND OCCUPANCY PERMITS TO THE OWNER AND SHALL BE IN EFFECT FOR THE PERIOD DESCRIBED IN THE CONTRACT BUT NO LESS THAN ONE YEAR.

INSURANCE
THE CONTRACTOR SHALL PURCHASE AND MAINTAIN:
SUCH KINDS OF INSURANCE AS REQUIRED BY FEDERAL LAWS, AND BY THE LAWS OF THE STATE OR STATES IN WHICH THE WORK IS TO BE PERFORMED, OR BY ANY SPECIAL NATURE OF THE WORK WHICH WOULD INCLUDE WORKERS' COMPENSATION LAW AND OTHER EMPLOYEE BENEFIT LAWS. CERTIFICATES EVIDENCING COVERAGE UNDER WORKERS' COMPENSATION LAWS SHALL BE FURNISHED TO THE OWNER FOR APPROVAL OF FORM AND ADEQUACY UPON REQUEST.

CONTRACTOR'S COMPREHENSIVE GENERAL LIABILITY INSURANCE, INCLUDING CONTRACTUAL AND CONTRACTOR'S PROTECTIVE INSURANCE, SUCH AS INSURANCE TO COVER CLAIMS FOR BODILY INJURY AND BROAD FORM PROPERTY DAMAGE FOR COMPREHENSIVE GENERAL LIABILITY (INCLUDING PROTECTIVE) AND FOR COMPREHENSIVE AUTOMOBILE LIABILITY, INCLUDING OWNED, RENTED, HIRED, AND NON-OWNED AUTOMOBILES.

UMBRELLA LIABILITY WITH COMBINATION SINGLE LIMIT, BODILY INJURY, PERSONAL INJURY, AND PROPERTY DAMAGE.

AGREEMENT TO SAVE OTHERS HARMLESS OR TO ASSUME THE LIABILITY OF OTHERS MUST BE INSURED UNDER THE PROVISION FOR CONTRACTUAL LIABILITY BY ENDORSEMENT ON THE GENERAL LIABILITY POLICY.

POLICIES SHALL BE SUBJECT TO APPROVAL OF OWNER AND DEVELOPER FOR FORM AND ADEQUACY OF PROTECTION.

POLICY LIMITS SHALL BE ESTABLISHED BY OWNER OR DEVELOPER.

DIVISION 1 - GENERAL REQUIREMENTS

SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO: REMOVING AND STORING OR DISPOSING OF EXISTING EQUIPMENT AS DIRECTED BY THE PLANS AND/OR THE OWNER, DEMOLISHING EXISTING STORE TO ORIGINAL DEMISING WALLS AND NEUTRAL LINES OF STOREFRONT (UNLESS DIRECTED OTHERWISE), CONSTRUCTING A NEW STORE BASED UPON THE WORK DESCRIBED IN THESE DOCUMENTS, REINSTALLING ORIGINAL AND NEW EQUIPMENT AND COMPLETE PROJECT CLOSEOUT, REMOVE TEMPORARY ENCLOSURES.

PRIOR TO MAKING ANY VARIATIONS FROM THE DRAWINGS AND/OR SPECIFICATIONS THAT MAY BE DEEMED NECESSARY, THE CONTRACTOR SHALL GIVE THE ARCHITECT WRITTEN NOTICE SPECIFYING THE VARIATION PROPOSED AND REQUESTING APPROVAL.

CHANGES IN THE WORK MAY BE ACCOMPLISHED AFTER EXECUTION OF THE CONTRACT, AND WITHOUT INVALIDATING THE CONTRACT, BY CHANGE ORDER, CONSTRUCTION CHANGE DIRECTIVE OR ORDER FOR A MINOR CHANGE IN THE WORK.

EACH CONTRACTOR OR SUBCONTRACTOR SHALL REVIEW THE EQUIPMENT SCHEDULE FOR ITEMS AFFECTING HIS PORTION OF THE WORK. HE SHALL INCLUDE IN HIS PROPOSAL ANY AND ALL LABOR OR MATERIAL AS REQUIRED TO PROVIDE THE COMPLETE PROJECT.

WORK BY OWNER
AT THE OWNER'S REQUEST, SOME OR ALL OF THE EXISTING EQUIPMENT OR FIXTURES MAY BE SAVED FOR REUSE AT THIS OR OTHER LOCATIONS. THE CONTRACTOR AGREES TO FURNISH A SECURE STORAGE FACILITY, TRANSPORT ITEMS TO BE STORED TO THE STORAGE FACILITY, AND RETURN FOR REUSE THE ITEMS THE OWNER DESIGNATES. THE SECURED STORAGE FACILITY FURNISHED BY THE CONTRACTOR MAY BE LOCATED IN THE DEVELOPER'S MALL, IN A SITE TRAILER WITH DEVELOPER'S PERMISSION, OR IN AN OFF- SITE STORAGE FACILITY UNTIL SUBSTANTIAL COMPLETION. THE OWNER SHALL REMOVE ANY ITEMS NOT REUSED OR INSTRUCT THE CONTRACTOR TO DISPOSE.

CONTRACTOR SHALL REVIEW WITH THE OWNER ALL ITEMS TO BE REUSED FROM EXISTING STORE AND/OR SUPPLIED BY OWNER. THE CONTRACTOR AGREES TO INSTALL OR REINSTALL SAME.

GENERAL CONTRACTOR SHALL REVIEW DOCUMENTS TO DETERMINE THE EXTENT OF ITEMS SUPPLIED BY THE OWNER.

SUBSTITUTIONS
WHENEVER POSSIBLE THROUGHOUT THE CONTRACT DOCUMENTS, THE MINIMUM ACCEPTABLE QUALITY OF WORKMANSHIP AND MATERIALS HAS BEEN DEFINED EITHER BY MANUFACTURER'S NAME AND CATALOG NUMBER OR BY REFERENCE TO RECOGNIZED INDUSTRY STANDARDS.

UNLESS THE PRECISE COLOR AND PATTERN IS SPECIFICALLY DESCRIBED IN THE CONTRACT DOCUMENTS, WHENEVER A CHOICE OF COLOR OR PATTERN IS AVAILABLE IN A SPECIFIED PRODUCT, SUBMIT ACCURATE COLOR CHARTS AND PATTERN CHARTS TO THE ARCHITECT FOR HIS REVIEW AND SELECTION. VERIFY PRIOR TO BIDDING, THAT ALL SPECIFIED ITEMS WILL BE AVAILABLE IN TIME FOR INSTALLATION DURING ORDERLY AND TIMELY PROGRESS OF THE WORK. IN THE EVENT THAT A SPECIFIED ITEM WILL NOT BE AVAILABLE, NOTIFY THE ARCHITECT PRIOR TO SUBMITTING BID.

THE ARCHITECT WILL CONSIDER PROPOSALS FOR SUBSTITUTION OF MATERIALS, EQUIPMENT AND METHODS ONLY WHEN SUCH SPECIFIED MATERIALS ARE UNAVAILABLE OR METHODS ARE INAPPROPRIATE AS SPECIFIED.

DO NOT SUBSTITUTE MATERIALS OR EQUIPMENT, UNLESS SUCH SUBSTITUTION HAS BEEN SPECIFICALLY APPROVED FOR THIS WORK BY THE ARCHITECT.

SUBSTITUTION PROCEDURE
CONTRACTORS REQUESTING SUBSTITUTES OR "EQUALS TO" ITEMS ON PLANS OR IN SPECIFICATIONS MUST FOLLOW THE PROCEDURES SET FORTH BELOW:

REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED TO THE ARCHITECT BY THE GENERAL CONTRACTOR. SUBCONTRACTORS ARE NOT TO SUBMIT TO THE ARCHITECT DIRECTLY.

THE REQUEST FOR SUBSTITUTION MUST BE ACCOMPANIED BY A COMPLETE DESCRIPTION OF THE PROPOSED EQUIPMENT SUCH AS CUT SHEETS OR SAMPLES TO ENABLE THE ARCHITECT TO MAKE A THOROUGH COMPARISON WITH THE SPECIFIED ITEM.

ARCHITECT WILL, UPON SUCH REQUEST, EVALUATE THE PROPOSED SUBSTITUTION ON THE BASIS OF ADVERTISED TECHNICAL PERFORMANCE, SUITABILITY, SIZE OR OTHER CONSIDERATIONS AND INFORM OWNER/TENANT OF THE RECOMMENDED ACTION.

IN ORDER TO FACILITATE THE EVALUATION PROCESS, GENERAL CONTRACTOR SHOULD SUBMIT DOCUMENTATION TO SUPPORT THE PROPOSED SUBSTITUTION ON THE BASIS OF WARRANTIES, COST DIFFERENCES, AND EXPECTED SERVICE LIFE AS COMPARED TO THE SPECIFIED EQUIPMENT. PROCUREMENT TIME WILL NOT NORMALLY BE CONSIDERED AS JUSTIFICATION FOR SUBSTITUTION REQUESTS. IN THE EVENT OF PROCUREMENT TIME BEING THE FACTOR, GENERAL CONTRACTOR SHALL PROVIDE ARCHITECT WITH THE SPECIFIC INFORMATION ALLOWING ARCHITECT TO EXPLORE THE DELAY AND TO ATTEMPT TO RESOLVE THE PROBLEM WITH A SUBSTITUTION.

ONLY AFTER ARCHITECT ACCEPTS AND PROVIDES WRITTEN APPROVAL, WILL GENERAL CONTRACTOR ASSUME THE AUTHORITY TO PROCEED WITH THE PROPOSED SUBSTITUTION.

SUBMITTALS
THE GENERAL CONTRACTOR OR THE FIXTURE CONTRACTORS, THOSE CONTRACTORS PAID BY THE G.C., BASED ON THE SPECIFIC CONTRACTOR SUPPLYING THE MILLWORK OR FIXTURES, IS TO PROVIDE SHOP DRAWINGS OF ALL MILLWORK AND FIXTURES, PRIOR TO START OF CONSTRUCTION, FOR APPROVAL BY THE UO INC'S PROJECT MANAGER AND ARCHITECT. IT IS NOT THE TENANT'S ARCHITECT'S RESPONSIBILITY TO FOLLOW UP ON THESE OR ANY OTHER REQUIRED SHOP DRAWINGS.

THE GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL TRADES PRIOR TO FABRICATION AND INSTALLATION, AND SUBMIT SAMPLE MATERIAL, COLOR AND FINISHES TO UO INC'S PROJECT MANAGER AND ARCHITECT FOR APPROVAL.

REFER TO THE SUBMITTAL LOG FOR LIST OF REQUIRED SUBMITTALS

PERMITS, FEES AND NOTICES
UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SECURE AND PAY FOR THE BUILDING PERMIT AND OTHER PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK WHICH ARE CUSTOMARILY SECURED AFTER EXECUTION OF THE CONTRACT AND WHICH ARE LEGALLY ACQUIRED WHEN BIDS ARE RECEIVED OR NEGOTIATIONS CONCLUDED.

THE CONTRACTOR SHALL COMPLY WITH AND GIVE NOTICE AS REQUIRED BY LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING ON PERFORMANCE OF THE WORK.

TEMPORARY CONSTRUCTION ENCLOSURES
THE CONTRACTOR SHALL ERECT AND MAINTAIN TEMPORARY ENCLOSURES (BARRICADES, SHROUDS, VISQUENE, ETC.) OVER OPENINGS SURROUNDING THE DEMISED TENANT SPACE. TEMPORARY ENCLOSURES SHALL BE DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE TO OTHER PARTS OF THE BUILDING. THE CONTRACTOR SHALL MEET WITH THE DEVELOPER'S REPRESENTATIVE TO DETERMINE THE EXTENT OF THE TEMPORARY ENCLOSURE. COSTS FOR SUCH TEMPORARY ENCLOSURES, MATERIAL AND/OR LABOR SHALL BE PAID BY THE CONTRACTOR.

IF LANDLORD PROVIDES CONSTRUCTION OF THE BARRICADE THE CONTRACTOR SHALL NOTIFY THE OWNER ON HIS BID. IF THE GENERAL CONTRACTOR FAILS TO INFORM THE OWNER IN WRITING THEN THE GENERAL CONTRACTOR SHALL BE HELD TO HAVE INCLUDED THE BARRICADE IN HIS BID.

UPON COMPLETION OF WORK AND FOLLOWING OWNERS AND DEVELOPERS APPROVAL, THE CONTRACTOR SHALL DISMANTLE TEMPORARY ENCLOSURES AND DISPOSE OF SAME AS REQUIRED. PATCH AND REPAINT AREAS (MATCHING ADJACENT MATERIALS) WHICH WERE DAMAGED BY TEMPORARY ENCLOSURE.

TEMPORARY FACILITIES
ELECTRIC, WATER, TOILET, TELEPHONE, HEAT, AND ANY OTHER SERVICE REQUIRED IN THE PERFORMANCE OF THE CONTRACT SHALL BE FURNISHED AND PAID FOR BY THE CONTRACTOR UNLESS INDICATED OTHERWISE BY THE OWNER.

PRODUCT REQUIREMENT
CONTRACTOR AGREES TO ACCEPT ALL OWNER FURNISHED ITEMS AT THE JOB SITE AND UNLOAD AND TRANSPORT THESE ITEMS FROM THE TRUCK BED OF DELIVERY CARRIER TO THE STORE OR STORAGE SPACE. MANY TIMES THE OWNER'S PURCHASE ORDER REQUESTS TAILGATE DELIVERY OF ITEMS. ICC REGULATIONS ARE STRUCTURED SO THAT THIS CANNOT BE ENFORCED. THE CONTRACTOR, THEREFORE, MUST ASSUME THAT ALL ITEMS WILL BE DELIVERED TO THE SITE ON A TRUCK BED ONLY. ONCE RECEIVED, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THE ITEM.

THE PROPER RECEIPT OF ALL NEW MATERIALS, EQUIPMENT, MILLWORK, FIXTURES, ETC. AT THE JOB SITE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, AND / OR its SUBCONTRACTORS. SECURE AND SAFE STORAGE OF ALL NEW AND EXISTING MATERIALS AND EQUIPMENT TO REMAIN (IF ANY) WILL BE PROVIDED BY THE GENERAL CONTRACTOR. GENERAL CONTRACTOR TO IMMEDIATELY ADVISE UO INC'S PROJECT MANAGER OF ALL DAMAGED OR DEFICIENT SHIPMENTS OF MATERIALS AND EQUIPMENT, WHETHER SUPPLIED BY TENANT OR DIRECTLY BY CONTRACTOR OR ITS SUPPLIERS. GENERAL CONTRACTOR TO COMPLETE AND SUBMIT ALL NECESSARY PAPERWORK AND ARRANGE INSPECTIONS OF DAMAGED GOODS AS PER TENANT CONSTRUCTION DEPT. REQUIREMENTS. NOTIFY UO INC'S PROJECT MANAGER OF ANY POSSIBLE DELAYS. INCOMPLETE ORDERS AND DELAYS ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE SUPPLIER AND UO INC'S PROJECT MANAGER. SUBMIT CONFIRMATION OF ALL ORDERS, DELIVERY DATES, AND A FULL WRITTEN SCHEDULE TO UO INC'S PROJECT MANAGER.

THE GENERAL CONTRACTOR SHALL UNLOAD, PROTECT, ASSEMBLE AND INSTALL TENANT'S SPECIFIED EQUIPMENT, MILLWORK, FIXTURES, FURNISHINGS, ETC.

CLEANING
THROUGHOUT THE PERIOD OF THEIR ON-SITE ACTIVITY, EACH CONTRACTOR AND SUBCONTRACTOR SHARES THE RESPONSIBILITY TO MAINTAIN THE BUILDING AND SITE IN AN ORDERLY AND CLEAN CONDITION.

EACH CONTRACTOR SHALL PICK UP AND REMOVE ALL DEBRIS RESULTING FROM HIS/HER WORK AND SHALL SWEEP AND CLEAN HIS SHARE OF THE GENERAL DUST AND DIRT CREATED BY WORKMEN AND GENERAL ACTIVITY.

TRASH AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE CONSTRUCTION SITE ON A DAILY BASIS IN A MANNER APPROVED BY THE LANDLORD.

THE CONTRACTOR SHALL MAKE PROVISIONS OR COORDINATE WITH TENANT'S LANDLORD TO PROVIDE ARRANGEMENTS FOR THE STORAGE AND REMOVAL OF CONSTRUCTION DEBRIS AND SHALL PAY COSTS AS ARISE FOR SUCH PROVISION.

SCHEDULE FINAL CLEANING TO ENABLE THE OWNER TO ACCEPT A COMPLETELY CLEAN PROJECT.

"CLEAN," FOR THE PURPOSE OF THIS ARTICLE, AND EXCEPT AS MAY BE SPECIFICALLY PROVIDED OTHERWISE, SHALL BE INTERPRETED MEANING THE LEVEL OF CLEANLINESS GENERALLY PROVIDED BY SKILLED CLEANERS USING COMMERCIAL QUALITY BUILDING MAINTENANCE EQUIPMENT AND MATERIALS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ALL INTERIOR AND EXTERIOR SURFACES OF THE FIXTURES INCLUDING THE GLASS.

DO NOT USE ANY SOLVENT OR ABRASIVES OF ANY TYPE TO CLEAN FIXTURES, PANELING, MOLDINGS OR TRIM WITHOUT FIRST OBTAINING APPROVAL OF FIXTURE CONTRACTOR. USE NO SCENTED CLEANING AGENTS.

VISUALLY INSPECT INTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES, AND OTHER FOREIGN MATTER.

REMOVE ALL TRACES OF SPLASHED MATERIAL FROM ADJACENT SURFACES.

REMOVE PAINT DROPPINGS, SPOTS, STAINS, AND DIRT FROM FINISHED SURFACES.

CLEAN GLASS INSIDE AND OUTSIDE.

TO SURFACES REQUIRING ROUTINE APPLICATION OF BUFFED POLISH, APPLY THE POLISH RECOMMENDED BY THE MANUFACTURER OF THE MATERIAL BEING POLISHED.

PROJECT CLOSEOUT
COMPLY WITH PROCEDURES STATED IN THE AGREEMENT FOR ISSUANCE OF CERTIFICATE OF SUBSTANTIAL COMPLETION

A PUNCH LIST SHALL BE COMPLETED BY THE ARCHITECT OR OWNER AND PRESENTED TO THE CONTRACTOR AS NECESSARY. UPON RECEIPT, THE CONTRACTOR SHALL HAVE FIFTEEN (15) DAYS TO ACT UPON THE LIST. BEYOND THAT PERIOD, THE OWNER MAY AT ITS SOLE DISCRETION AND UPON PRIOR NOTIFICATION OF CONTRACTOR BY OWNER PROCEED TO CORRECT OR CAUSE TO BE CORRECTED. ALL DEFICIENCIES THEREIN SHALL BE PAID FOR WITH MONIES CONTAINED IN BUT NOT LIMITED TO THE TEN PERCENT (10%) RETENTION HELD BY THE OWNER. THE PUNCH LIST IN NO WAY LIMITS THE WARRANTY.

SHOULD STATUS OF COMPLETION OF WORK REQUIRE REINSPECTION BY OWNER DUE TO FAILURE OF WORK TO COMPLY WITH CONTRACTOR'S CLAIMS ON INITIAL INSPECTION, OWNER WILL DEDUCT THE AMOUNT OF THE DIRECT COSTS FOR REINSPECTION SERVICES FROM FINAL PAYMENT TO CONTRACTOR.

IN ADDITION TO SUBMITTALS REQUIRED BY THE CONDITIONS OF THE CONTRACT, PROVIDE SUBMITTALS REQUIRED BY GOVERNING AUTHORITIES, AND SUBMIT A FINAL STATEMENT OF ACCOUNTING GIVING TOTAL ADJUSTED CONTRACT SUM, PREVIOUS PAYMENTS AND SUM REMAINING DUE.

UNLESS SPECIFIED OR DIRECTED OTHERWISE, MAKE SUBMITTALS TO OWNER WITH LETTER OF TRANSMITTAL CONTAINING DATE, PROJECT TITLE, CONTRACTOR'S NAME AND ADDRESS, AND LIST OF DOCUMENTS.

RECORD LOCATIONS OF CONCEALED UTILITIES AND APPURTENANCES, MODIFICATIONS, FIELD CHANGES, AND DETAILS ON CONTRACT DOCUMENTS.

KEEP DOCUMENTS CURRENT. DO NOT PERMANENTLY CONCEAL ANY WORK UNTIL REQUIRED INFORMATION HAS BEEN RECORDED. STORE DOCUMENTS SEPARATE FROM THOSE USED FOR CONSTRUCTION.

SUBMIT REQUIRED DOCUMENTS WITHIN TEN (10) DAYS AFTER DATE OF SUBSTANTIAL COMPLETION AND PRIOR TO FINAL APPLICATION FOR PAYMENT.

SUBMIT WARRANTIES AND BONDS AS REQUIRED IN INDIVIDUAL SPECIFICATIONS SECTION. HAVE WARRANTIES AND BONDS EXECUTED BY RESPONSIBLE SUBCONTRACTORS, SUPPLIERS, AND MANUFACTURERS. CO-EXECUTE SUBMITTALS WHEN REQUIRED.

DIVISION 2 - SELECTIVE DEMOLITION
REFER TO DIVISION 1 REGARDING STORAGE OF OWNER'S EXISTING ITEMS.

REFER TO DIVISION 1 REGARDING SCOPE OF WORK.

REFER TO DIVISION 1 REGARDING TEMPORARY CONSTRUCTION ENCLOSURES.

REFER TO DIVISION 1 REGARDING CLEANING.

DO NOT INTERFERE WITH USE OF ADJACENT AREAS. MAINTAIN FREE AND SAFE PASSAGE TO AND FROM. CARRY OUT DEMOLITION WORK TO CAUSE AS LITTLE INCONVENIENCE TO ADJACENT OCCUPIED BUILDING AREAS AS POSSIBLE.

CEASE OPERATIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF SAFETY OF STRUCTURE APPEARS TO BE ENDANGERED. TAKE PRECAUTIONS TO PROPERLY SUPPORT STRUCTURE. DO NOT RESUME OPERATIONS UNTIL SAFETY IS RESTORED.

PROVIDE, ERECT, AND MAINTAIN BARRICADES, LIGHTING, GUARDRAILS, AND WARNING SIGNS AS REQUIRED BY APPLICABLE REGULATORY ADVISOR TO PROTECT OCCUPANTS OF BUILDINGS AND WORKERS.

PLACE MARKERS TO INDICATE LOCATION OF DISCONNECTED SERVICES. IDENTIFY SERVICE LINES AND CAPPING LOCATIONS ON PROJECT RECORD DOCUMENTS.

REMOVE SALVAGE AND DEBRIS FROM THE DEMISED SPACE AS IT ACCUMULATES. DO NOT SELL, BURN, OR OTHERWISE DISPOSE OF SALVAGE AND DEBRIS ON THE SITE UNLESS DIRECTED OTHERWISE BY OWNER.

MAINTAIN EXITING REQUIREMENTS AT ALL TIMES.

MAINTAIN SECURITY OF EXISTING BUILDINGS WITH TEMPORARY DOORS, CLOSERS, AND LOCKSETS. WHERE AN OPENING IS MADE IN A RATED WALL, PROVIDE TEMPORARY DOOR, FRAME, AND HARDWARE WITH APPROPRIATE RATING FOR WALL CONSTRUCTION.

EXECUTE DEMOLITION WORK TO ENSURE SAFETY OF PERSONS, AND ADJACENT PROPERTY AGAINST DAMAGE BY SETTLEMENT, FALLING DEBRIS OR OTHER CAUSES IN CONNECTION WITH THIS WORK.

DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS.

REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED.

REMOVE DEMOLISHED MATERIALS, TOOLS, AND EQUIPMENT FROM SITE UPON COMPLETION OF WORK. LEAVE SITE IN AN ACCEPTABLE CONDITION.

DIVISION 5 - METALS
STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.

BOLTS, NUTS, AND WASHERS SHALL CONFORM TO ASTM 307.

WELDING MATERIALS SHALL CONFORM TO AWS D1.1; TYPE REQUIRED FOR MATERIALS BEING WELDED.

SHOP PRIME ALL MATERIAL CONFORMING TO FED. SPEC TT-P-31 RED, INCLUDING FIELD TOUCH UP.

VERIFY DIMENSIONS ON SITE PRIOR TO SHOP FABRICATION.

GRIND EXPOSED WELDS FLUSH AND SMOOTH WITH ADJACENT FINISHED SURFACES. EASE EXPOSED EDGES TO SMALL UNIFORM RADIUS.

EXPOSED MECHANICAL FASTENINGS: FLUSH COUNTERSUNK SCREWS OR BOLTS, UNOBTRUSIVELY LOCATED, CONSISTENT WITH DESIGN OF STRUCTURE, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.

MAKE EXPOSED JOINTS BUTT TIGHT, FLUSH, AND HAIRLINE.

SUPPLY COMPONENTS REQUIRED FOR ANCHORAGE OF METAL FABRICATIONS. FABRICATE ANCHORAGE AND RELATED COMPONENTS OF SAME MATERIAL AND FINISH AS METAL FABRICATION, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.

CLEAN SURFACES OF RUST, SCALE, GREASE, AND FOREIGN MATTER PRIOR TO FINISHING.

DO NOT PRIME SURFACES IN DIRECT CONTACT BOND WITH CONCRETE OR WHERE FIELD WELDING IS REQUIRED.

PRIME PAINT ITEMS SCHEDULED WITH TWO COATS.

INSTALL ITEMS PLUMB AND LEVEL, ACCURATELY FITTED, FREE FROM DISTORTION OR DEFECTS.

AFTER INSTALLATION, TOUCH-UP FIELD WELDS, SCRATCHED, OR DAMAGED SURFACES WITH PRIMER.

PROVIDE AND INSTALL ITEMS LISTED IN SCHEDULE AND SHOWN ON DRAWINGS WITH ANCHORAGE AND ATTACHMENTS NECESSARY FOR INSTALLATION.

ALUMINUM EXTRUSIONS AS INDICATED SHALL BE BY STYLEMARK, INC., SHAPES, COMPONENTS, ASSEMBLES AND FINISHES SHALL BE INDICATED OR AS SELECTED BY ARCHITECT. ASSEMBLIES MUST BE SHIPPED COMPLETE FOR PROPER INSTALLATION.

DIVISION 6 - WOODS AND PLASTICS

ROUGH CARPENTRY
DIMENSION LUMBER FOR BLOCKING, BACKING, AND MISCELLANEOUS FRAMING SHALL BE CONSTRUCTION GRADE, Fb - SINGLE = 1350 psi. SPRUCE-PINE-FIR (SOUTH).

DIMENSION LUMBER FOR STUDS SHALL BE HEM - FIR. NO. 2 & BTR.

BOARDS, ONE INCH THICK AND UNDER WHERE EXPOSED, SHALL BE NO. 1 COMMON DOUGLAS FIR, WHITE FIR, WHITE SPRUCE, OR PONDEROSA PINE UNLESS NOTED OTHERWISE. MOISTURE CONTENT SHALL NOT EXCEED 19 PERCENT.

BOARDS, ONE INCH THICK AND UNDER WHERE CONCEALED BY PERMANENT CONSTRUCTION, SHALL BE NO. 2 OR BETTER.

INTERIOR PLYWOOD WHERE COMPLETELY CONCEALED BY PERMANENT CONSTRUCTION SHALL BE C-D PLUGGED INT-APA.

EXTERIOR PLYWOOD WHERE CONCEALED OR USED FOR BACKING FOR OTHER MATERIALS SHALL BE C-D EXT-APA.

NAILS, SPIKES, AND STAPLES SHALL BE GALVANIZED FOR EXTERIOR LOCATIONS, HIGH HUMIDITY LOCATIONS, AND TREATED WOOD; PLAIN FINISH FOR OTHER INTERIOR LOCATIONS. USE SIZES AND TYPES TO SUIT APPLICATION.

BOLTS, NUTS, WASHERS, LAGS, AND SCREWS SHALL BE MEDIUM CARBON STEEL. USE SIZE AND TYPE TO SUITE APPLICATION, GALVANIZED FOR EXTERIOR LOCATIONS, HIGH HUMIDITY LOCATIONS, AND TREATED WOOD; PLAIN FINISH FOR OTHER INTERIOR LOCATIONS.

PROVIDE TOGGLE BOLTS OR TAPCON FASTENERS FOR ANCHORAGE TO HOLLOW MASONRY. PROVIDE EXPANSION SHIELD AND LAG BOLT FOR ANCHORAGE TO SOLID MASONRY OR CONCRETE. PROVIDE BOLTS OR POWER ACTIVATED FASTENERS FOR ANCHORAGE TO STEEL.

ALL PLYWOOD, FRAMING, BLOCKING, ETC. ON THE INTERIOR OR EXTERIOR IS REQUIRED TO BE FIRE-RETARDANT-TREATED AND SHALL BE BY PRESSURE TREATMENT IN ACCORDANCE WITH AWPB STANDARD C-20 FOR LUMBER AND C-27 FOR PLYWOOD.

TREATED MATERIAL SHALL BE LABELED TO INDICATE PRESSURE TREATMENT.

TREATMENT SHALL BE FOR CLASS "A" FLAME SPREAD RATING.

ALL FRAMING SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED FRAMING PRACTICES.

BUCKS, WHERE REQUIRED FOR FRAMES, SHALL BE NOMINAL 2 INCH THICK MATERIAL AND OF WIDTH REQUIRED BY CONDITIONS. ANCHOR INTO CONCRETE OR MASONRY WALLS LAG BOLTS AND SHIELDS.

BLOCKING SHALL BE FURNISHED WHERE REQUIRED FOR ATTACHMENT OF OTHER MATERIALS. THEY SHALL BE PLUMB, LEVEL, STRAIGHT AND SET TO LINE. ALL GROUNDS SHALL BE SOLID. GROUNDS SHALL BE PROVIDED AT ALL OPENINGS IN WALLS REQUIRING WOOD TRIM OR WHERE GRILLES ARE BEING INSTALLED.

CUT ALL MEMBERS SQUARE ON BEARINGS, CLOSELY FITTED, ACCURATELY CUT TO REQUIRED LINES AND LEVELS AND RIGIDLY SECURED IN PLACE.

WHERE INDICATED, INTERIOR WALLS SHALL BE CONSTRUCTED OF 2 X 4'S SET AT 16 INCHES O.C. WITH SINGLE FLOOR PLATE AND DOUBLE HEAD PLATE UNLESS SHOWN OTHERWISE.

INSTALL MISCELLANEOUS BLOCKING, NAILING STRIPS, FRAMING, SHEATHING, AND BACKING AS REQUIRED FOR ATTACHING FASTENERS, ACCESSORIES FOR WALL ITEMS,AND ETC.

INSTALL MEMBERS TRUE, PLUMB, AND LEVEL. SECURE IN PLACE.

SPACE MISCELLANEOUS FRAMING AND FURRING AT 16 INCHES ON CENTER.

CONSTRUCT MEMBERS OF CONTINUOUS PIECES OF LONGEST POSSIBLE LENGTHS.

FINISH CARPENTRY
THIS SECTION INCLUDES FINISH CARPENTRY AND FABRICATED PLASTIC ITEMS, OTHER THAN SHOP FABRICATED WORK, WITH ATTACHMENT ACCESSORIES.

STORE INDOORS IN VENTILATED AREAS WITH CONSTANT 60 DEGREE FAHRENHEIT TEMPERATURE AND 55 PERCENT MAXIMUM RELATIVE HUMIDITY.

SOFTWOOD LUMBER: PS 20; CUSTOM GRADE IN ACCORDANCE WITH AWI; MAXIMUM MOISTURE CONTENT OF 5 TO 10 PERCENT FOR INTERIOR WORK AND 15 PERCENT FOR EXTERIOR WORK.

HARDWOOD LUMBER: PS 58 OR FED. SPEC MM-L-736; CUSTOM GRADE IN ACCORDANCE WITH AWI; MAXIMUM MOISTURE CONTENT OF 5 TO 10 PERCENT.
WOOD PARTICLE BOARD: MEDIUM DENSITY PARTICLEBOARD (45 LBS.).

WOOD FIBER BOARD: MEDIUM DENSITY FIBERBOARD (37 TO 50 LBS. PER CUBIC FOOT).

SOFTWOOD PLYWOOD: APA A-B.

HARDBOARD: PRESSED WOOD FIBER; STANDARD TEMPERED SERVICE GRADE.

FRAME CONSTRUCTION: HARDWOOD AS INDICATED IN THE SCHEDULE, SOLID WOOD JAMBS AND HEAD ACCURATELY HOUSED TOGETHER AND SECURED WITH NAILS AND GLUE AS REQUIRED. APPLY STOPS OF SAME SPECIES AS FRAME.

NAILS: SIZE AND TYPE TO SUIT APPLICATION.

BOLTS, NUTS, WASHERS, LAGS, AND SCREWS: SIZE AND TYPE TO SUIT APPLICATION; NON-CORROSIVE FOR HIGH HUMIDITY, PLAIN FINISH AT OTHER INTERIOR LOCATIONS.

VERIFY THAT MECHANICAL, ELECTRICAL, AND BUILDING ITEMS AFFECTING THIS SECTION ARE PLACED AND READY TO RECEIVE FINISH CARPENTRY ITEMS.

SET AND SECURE MATERIALS AND COMPONENTS IN PLACE, PLUMB, AND LEVEL.

FIT EXPOSED EDGES OF PLYWOOD AND PARTICLEBOARD SHELVING AND SITE MADE CASEWORK WITH HARDWOOD EDGING.

SPECIFICATIONS CONTINUED ON SHEET A901

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SHEET NO.:

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CONTINUED FROM SHEET A900

INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

APPLY PLASTIC LAMINATE FINISHES WHERE INDICATED. ADHERE WITH SPECIFIED ADHESIVE OVER ENTIRE SURFACE. MAKE JOINTS AND CORNERS HAIRLINE. MATCH PATTERNS. SLIGHTLY BEVEL EDGES. CAP EXPOSED EDGES WITH PLASTIC LAMINATE BACKING ON REVERSE SIDE OF PLASTIC LAMINATE FINISHED SURFACES.

SAND WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS. APPLY WOOD FILLER IN EXPOSED NAIL AND SCREW INDENTATIONS.

INTERIOR WOOD DOOR FRAMES: AWI CUSTOM - SLICED RED OAK UNLESS NOTED OTHERWISE.

DIVISION 8 - OPENINGS

SECTION 084311 TIMBER FRAMED STOREFRONTS

1. GENERAL
   - 1.1. DESCRIPTION: THIS SECTION SHALL APPLY TO WOOD STOREFRONT AND RELATED COMPONENTS IN LOCATIONS SHOWN ON DRAWINGS
   - 1.2. SUBMITTALS: PROVIDE SHOP DRAWINGS SHOWING SIZES, MATERIALS, THICKNESS, AND METHOD OF INSTALLATION.

2. PRODUCT
   - 2.1. PROVIDE GLAZED STOREFRONT SYSTEM BASED ON DETAIL PROVIDED IN THE DRAWING.
   - 2.2. THE PANELS, SASH, AND LEAF SHALL BE OF THE ARRANGEMENT AND SIZES SHOWN IN THE DRAWINGS.
   - 2.3. FINISH: PROVIDE FINISH AS INDICATED ON THE DRAWINGS
   - 2.4. GLAZING: PROVIDE FOR REGLAZING FROM THE INTERIOR

EACH GLAZING PANEL SHALL BE MEASURED TO ACCOMMODATE ¼" DEFLECTION OF THE FRAMING AT THE HEAD.

3. PROJECT CONDITIONS
   - 3.1. ENVIRONMENTAL REQUIREMENTS: MAINTAIN ENVIRONMENTAL CONDITIONS (TEMPERATURE, HUMIDITY, AND VENTILATION) WITHIN LIMITS RECOMMENDED BY MANUFACTURER FOR OPTIMUM RESULTS. DO NOT INSTALL PRODUCTS UNDER ENVIRONMENTAL CONDITIONS OUTSIDE MANUFACTURER'S ABSOLUTE LIMITS.
   - 3.2. FIELD MEASUREMENTS: TAKE FIELD MEASUREMENTS PRIOR TO FABRICATION OF THE WORK AND PREPARATION OF SHOP DRAWINGS, TO ENSURE PROPER FITTING OF THE WORK. SHOW RECORDED MEASUREMENTS ON FINAL SHOP DRAWINGS. NOTIFY THE OWNER AND THE ARCHITECT, IN WRITING, OF ANY DIMENSIONS FOUND WHICH ARE NOT WITHIN SPECIFIED DIMENSIONS AND TOLERANCES IN THE CONTRACT DOCUMENTS PRIOR TO PROCEEDING WITH THE FABRICATION. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING THE WORK.

4. FABRICATION
   - 4.1. WORKMANSHIP: CAREFULLY FIT AND MATCH WORK WITH CONTINUITY OF LINE AND DESIGN. RIGIDLY SECURE MEMBERS WITH HAIRLINE JOINTS, UNLESS OTHERWISE INDICATED. REINFORCE MEMBERS AND JOINTS WITH STEEL PLATES, BARS, RODS, OR ANGLES FOR RIGIDITY AND STRENGTH AS NEEDED TO FULFILL PERFORMANCE REQUIREMENTS

FASTENERS: CONCEAL FASTENERS UNLESS OTHERWISE INDICATED.

HOLLOW METAL FRAMES

PROVIDE LABELED OR NON-LABELED FRAMES IN THE DIMENSIONS AND TYPE SHOWN ON DRAWINGS IN 18 GAUGE FOR INTERIOR FRAMES AND 16 GAUGE GALVANIZED FOR EXTERIOR FRAMES.

PROVIDE REINFORCING IN FRAMES FOR SPECIFIED HARDWARE.

FRAMES SHALL BE FACTORY SHOP PRIMED.

SET FRAMES ACCURATELY INTO POSITION, PLUMBED, ALIGNED AND BRACED UNTIL PERMANENT ANCHORS ARE SET. AFTER WALL CONSTRUCTION REMOVE TEMPORARY BRACING.

AT IN-PLACE CONSTRUCTION SET FRAMES AND SECURE WITH SUITABLE ANCHORAGE DEVICES.

WOOD DOORS

AWI QUALITY STANDARDS OF ARCHITECTURAL WOODWORK INSTITUTE.

FLUSH INTERIOR DOORS SHALL BE 1-3/4 INCH THICK PREMIUM GRADE BIRCH FACE VENEER DOOR, UON. REFER TO DOOR SCHEDULE FOR LOCATION OF SOLID OR HOLLOW CORE DOOR.

FABRICATE STANDARD TYPE HOLLOW CORE AND SOLID CORE DOORS IN ACCORDANCE WITH REQUIREMENTS OF AWI QUALITY STANDARDS.

BEVEL STRIKE EDGE OF SINGLE ACTING DOORS 1/8 INCH IN 2 INCHES.

PREPARE DOORS TO RECEIVE HARDWARE. REFER TO HARDWARE SCHEDULE FOR HARDWARE REQUIREMENTS.

INSTALL WOOD DOORS PLUMB AND SQUARE, AND WITH MAXIMUM DIAGONAL DISTORTION OF 1/16 INCH. INSTALL HARDWARE IN ACCORDANCE WITH REQUIREMENTS STATED IN HARDWARE SCHEDULE.

HARDWARE

PROVIDE ITEMS AS LISTED IN HARDWARE SCHEDULE SHEET, COMPLETE TO FUNCTION AS INDICATED.

INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, USING PROPER TEMPLATES.

ACCURATELY AND PROPERLY FIT HARDWARE TO DOORS AND FRAMES. REMOVE EXPOSED PARTS UNTIL AFTER PAINT FINISHING IS COMPLETED. RE-INSTALL AFTER FINISHING IS COMPLETED. FIT FIXED PARTS SNUG AND FLUSH. ADJUST OPERATING PARTS TO MOVE FREELY AND SMOOTHLY WITHOUT BINDING, STICKING, OR WITH EXCESSIVE CLEARANCE.

AFTER THE WORK HAS BEEN OTHERWISE COMPLETED, EXAMINE HARDWARE IN PLACE FOR COMPLETE AND PROPER INSTALLATION. LUBRICATE BEARING SURFACES OF MOVING PARTS. ADJUST LATCHING AND HOLDING DEVICES FOR PROPER FUNCTION. ADJUST DOOR CONTROL DEVICES TO PROPER SPEED AND POWER. CLEAN EXPOSED SURFACES AND CHECK FOR SURFACE DAMAGE

DOOR HARDWARE SHALL BE LEVER - TYPE, CENTERED BETWEEN 30"-44" OFF THE FLOOR AND OPERABLE WITH 5lb. MAX. FORCE.

NO DOORS ARE TO REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE.

HARDWARE SCHEDULE

PROVIDE HARDWARE AS LISTED ON THE DRAWINGS.

GLASS

PROVIDE GLAZING AND GLAZING ACCESSORIES WHERE SHOWN ON THE DRAWINGS, AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION. USE TYPE AND THICKNESS OF GLASS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN.

TEMPERED GLASS

PROVIDE TEMPERED GLASS WHERE INDICATED ON THE DRAWINGS.

GL-1: 1" INSULATED TEMPERED GLASS
- U VALUE: 0.45 MAX
- SHGC: 0.3 MAX
- VCT: 70%

PRIOR TO TEMPERING, CUT GLASS TO REQUIRED SIZES AS DETERMINED BY ACCURATE FIELD DIMENSIONS.

PROCESS ALL EDGES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR AS INDICATED ON THE DRAWINGS. ALL EXPOSED EDGES SHALL BE SHAPED; NO EXCEPTIONS, PRIOR TO TEMPERING. DO NOT CUT OR TREAT EDGES IN THE FIELD.

DIVISION #9 - FINISHES

RESILIENT FLOORING

FED. SPEC. SS-T-312B - TILE, FLOOR: ASPHALT, RUBBER, VINYL, VINYL COMPOSITION.
FED. SPEC. SS-W-40A - WALL BASE: RUBBER AND VINYL PLASTIC.

VINYL COMPOSITION TILE

12 INCH BY 12 INCH BY 1/8 INCH THICK; CONFORMING TO FED. SPEC. SS-T-312(B), TYPE IV, COMPOSITION 1; MARBLEIZED PATTERN. MANUFACTURER AND COLOR SHALL BE AS INDICATED IN THE FINISH SCHEDULE.

BASE: 4 INCH HIGH BY .125 INCH THICK RUBBER OF VINYL BASE CONFORMING TO FED. SPEC. SS-W-40A, TYPE I OR II WITH COVE BOTTOM EXCEPT WHERE USED IN CONJUNCTION WITH CARPET OR AS INDICATED. MANUFACTURER AND COLOR SHALL BE AS INDICATED IN THE FINISH SCHEDULE.

EDGE STRIPS SHALL BE RUBBER OR VINYL, TAPERED AND 1 INCH IN WIDTH.

SUB-FLOOR FILLER SHALL BE WHITE PREMIX LATEX, MIX WITH WATER TO PRODUCE CEMENTITIOUS PASTE.

PRIMERS AND ADHESIVES SHALL BE WATERPROOF OF TYPES RECOMMENDED BY RESILIENT FLOORING MANUFACTURER FOR SPECIFIC MATERIAL.

SEALER AND WAX SHALL BE TYPE RECOMMENDED BY RESILIENT FLOORING MATERIAL MANUFACTURER FOR MATERIAL TYPE AND LOCATION.

ENSURE FLOOR SURFACES ARE SMOOTH AND FLOAT WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FEET (1/960).

ENSURE CONCRETE FLOORS ARE DRY (MAXIMUM 7 PERCENT MOISTURE CONTENT) AND EXHIBIT NEGATIVE ALKALINITY, CARBONIZATION, OR DUSTING.

MAINTAIN MINIMUM 70°F. (21°C.) AIR TEMPERATURE AT FLOORING INSTALLATION AREA FOR 3 DAYS PRIOR TO, DURING, AND FOR 24 HOURS AFTER INSTALLATION.

STORE FLOORING MATERIALS IN AREA OF APPLICATION. ALLOW 3 DAYS FOR MATERIAL TO REACH EQUAL TEMPERATURE AS AREA.

REMOVE SUB-FLOOR RIDGES AND BUMPS. FILL LOW SPOTS, CRACKS, JOINTS, HOLES, AND OTHER DEFECTS WITH SUB-FLOOR FILLER.

CLEAN FLOOR AND APPLY TROWEL AND FLOAT FILLER TO LEAVE SMOOTH, FLAT, HARD SURFACE. PROHIBIT TRAFFIC UNTIL FILLER IS CURED.

OPEN FLOOR TILE CARTONS, ENOUGH TO COVER EACH AREA, AND MIX TILE TO ENSURE SHADE VARIATIONS DO NOT OCCUR WITHIN ANY ONE AREA.

CLEAN SUBSTRATE. SPREAD CEMENT EVENLY IN QUANTITY RECOMMENDED BY MANUFACTURER TO ENSURE ADHESION OVER ENTIRE AREA OF INSTALLATION. SPREAD ONLY ENOUGH ADHESIVE TO PERMIT INSTALLATION OF FLOORING BEFORE INITIAL SET.

SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER TO ENSURE FULL ADHESION.

PLACE TILE TO THAT FIELDS OR PATTERNS CENTER ON AREA. NO TILE SHALL BE LESS THAN ONE HALF IN SIZE ALL TILE SHALL BE LAID WITH VEINING RUNNING IN SAME DIRECTION. LAY TRUE, LEVEL, AND EVEN WITH TIGHT ALIGNED JOINTS.

PAINTING:

PAINT AND FINISH THE EXTERIOR AND INTERIOR EXPOSED SURFACES LISTED ON THE PAINTING SCHEDULE IN PART 3 OF THIS SECTION, AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

"PAINT," AS USED HEREIN, MEANS COATING SYSTEMS MATERIALS INCLUDING PRIMERS, EMULSIONS, EPOXY, ENAMELS, SEALERS, FILLER, AND OTHER APPLIED MATERIALS WHETHER USED AS PRIME, INTERMEDIATE, OR FINISH COATS.

USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK OF THIS SECTION.

PROVIDE FINISH COATS WHICH ARE COMPATIBLE WITH THE PRIME COATS ACTUALLY USED. REVIEW OTHER SECTIONS OF THESE SPECIFICATIONS AS REQUIRED, VERIFYING THE PRIME COATS TO BE USED AND ASSURING COMPATIBILITY OF THE TOTAL COATING SYSTEM FOR THE VARIOUS SUBSTRATA. UPON REQUEST, FURNISH INFORMATION ON THE CHARACTERISTICS OF THE SPECIFIC FINISH MATERIALS TO ASSURE THAT COMPATIBLE PRIME COATS ARE USED. PROVIDE BARRIER COATS OVER NON-COMPATIBLE PRIMERS, OR REMOVE THE PRIMER AND REPRIME AS REQUIRED. NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANTICIPATED PROBLEMS IN USING THE SPECIFIED COATING SYSTEMS OVER PRIME-COATINGS SUPPLIED UNDER OTHER SECTIONS.

ALL PAINTS AND COATINGS SHALL BE PREMIXED AND DELIVERED TO THE JOB SITE IN MANUFACTURER'S SEALED CONTAINERS.

EACH CONTAINER SHALL BE LABELED BY THE MANUFACTURER SHOWING PAINT BRAND, COLOR DESIGNATION AND MANUFACTURER'S NAME. ALL EMPTY CONTAINERS SHALL BE REMOVED FROM THE SITE AT THE COMPLETION OF EACH DAY'S WORK.

PAINT MATERIAL SHALL BE STORED AND MIXED IN A CENTRAL LOCATION APPROVED BY THE OWNER AND ARCHITECT.

DO NOT APPLY SOLVENT-THINNED PAINTS WHEN THE TEMPERATURE OF SURFACES TO BE PAINTED AND THE SURROUNDING AIR TEMPERATURES ARE BELOW 45 DEGREES F, UNLESS OTHERWISE PERMITTED BY THE MANUFACTURERS' PRINTED INSTRUCTIONS AS APPROVED BY THE ARCHITECT/ENGINEER.

DO NOT APPLY PAINT IN SNOW, RAIN, FOG, OR MIST; OR WHEN THE RELATIVE HUMIDITY EXCEEDS 85%; OR TO DAMP OR WET SURFACES, UNLESS OTHERWISE PERMITTED BY THE MANUFACTURERS' PRINTED INSTRUCTIONS AS APPROVED BY THE ARCHITECT. APPLICATIONS MAY BE CONTINUED DURING INCLEMENT WEATHER ONLY WITHIN THE TEMPERATURE LIMITS SPECIFIED BY THE PAINT MANUFACTURER AS BEING SUITABLE FOR USE DURING APPLICATION AND DRYING PERIODS.

UPON COMPLETION OF THE WORK OF THIS SECTION, DELIVER TO THE OWNER AN EXTRA STOCK EQUALING 10% OF EACH COLOR, TYPE, AND GLOSS OF PAINT USED IN THE WORK, TIGHTLY SEALING EACH CONTAINER, AND CLEARLY LABELING WITH CONTENTS AND LOCATION WHERE USED.

UNDERCOATS AND THINNERS: PROVIDE UNDERCOAT PAINT PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COAT. USE ONLY THE THINNERS RECOMMENDED BY THE PAINT MANUFACTURER, AND USE ONLY TO THE RECOMMENDED LIMITS. INSOFAR AS PRACTICABLE, USE UNDERCOAT, FINISH COAT, AND THINNER MATERIAL AS PARTS OF A UNIFIED SYSTEM OF PAINT FINISH.

ACCEPTABLE MANUFACTURER: BENJAMIN MOORE, METAL CLEAR COAT SHERWIN WILLIAMS - NO SUBSTITUTIONS

VARIOUS PAINTING CONDITIONS ARE AS FOLLOWS:

1. GYPSUM WALL BOARD: EGGSHELL FINISH LATEX ALL WALLS, NEW
   - a. 1ST COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216)
   - b. 2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH (N319)
   - c. 3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH (N319)
2. GYPSUM WALL BOARD: EGGSHELL FINISH LATEX ALL WALLS, REPAINT
   - a. 1ST COAT - REMOVE ANY PEELING OR SCALING PAINT AND SAND THESE AREAS TO FEATHER EDGES SMOOTH WITH ADJACENT SURFACES. FILL ALL NAIL HOLES, CRACKS & OTHER SURFACE IMPERFECTIONS. REMOVE SURFACE CONTAMINANTS FROM WALLS WITH A STRONG DETERGENT SOLUTION. PRIME WITH BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216)
   - b. 2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH (N319)
   - c. 3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH (N319)
3. GYPSUM WALL BOARD: FLAT FINISH LATEX SALES AREA DRYWALL CEILINGS, NEW
   - a. 1ST COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216)
   - b. 2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH (N215)
   - c. 3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH (N215)
4. GYPSUM WALL BOARD: FLAT FINISH LATEX SALES AREA DRYWALL CEILINGS, REPAINT
   - a. 1ST COAT - REMOVE ANY PEELING OR SCALING PAINT AND SAND THESE AREAS TO FEATHER EDGES SMOOTH WITH ADJACENT SURFACES. FILL ALL NAIL HOLES, CRACKS & OTHER SURFACE IMPERFECTIONS. REMOVE SURFACE CONTAMINANTS FROM WALLS WITH A STRONG DETERGENT SOLUTION. PRIME WITH BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216)
   - b. 2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH (N215)
   - c. 3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH (N215)
5. WOOD DOORS, JAMBS, CASINGS, TOUCH-UP ON OWNERS FIXTURES & MISC. TRIM: HIGH GLOSS
   - a. 1ST COAT - BENJAMIN MOORE IRONCLAD ALKYD LOW LUSTRE METAL AND WOOD ENAMEL (C163)
   - b. 2ND COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL (C133)
6. METAL DOORS AND FRAMES: HIGH-GLOSS
   - a. 1ST COAT - PRIMER IS NOT REQUIRED ON FACTORY PRIMED DOORS AND FRAMES. BENJAMIN MOORE IRONCLAD ALKYD LOW LUSTRE METAL AND WOOD ENAMEL (C163)
   - b. 2ND COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL (C133)
   - c. 3RD COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL (C133)
7. EXPOSED STRUCTURAL STEEL, ROOF BAR JOISTS AND METAL DECK: LOW LUSTRE - SELF PRIMING
   - a. 1ST COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL (363)
   - b. 2ND COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL (363)
8. ALUMINUM/GALVANIZED METAL: SATIN FINISH
   - a. 1ST COAT - PRIMER IS NOT REQUIRED ON FACTORY PRIMED SURFACES OR REPAINT.
   - b. 2ND COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL (363)
   - c. 3RD COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL (363)
9. METAL, WOOD, GALVANIZED METAL: ACRYLIC SEMI-GLOSS
   - a. 1ST COAT - BENJAMIN MOORE - M29 D.T.M. ACRYLIC SEMI-GLOSS
   - b. 2ND COAT - BENJAMIN MOORE - M29 D.T.M. ACRYLIC SEMI-GLOSS
10. METAL CLEAR COAT, (METAL AWNING DECK, RODS & TURNBUCKLES)
    1ST COAT - SHERWIN WILLIAMS OPEX CLEAR LACQUERS CC-C5 (T82C13) \

SURFACE PREPARATION:

3. PERFORM PREPARATION AND CLEANING PROCEDURES IN STRICT ACCORDANCE WITH THE PAINT MANUFACTURERS' RECOMMENDATIONS AS APPROVED BY THE ARCHITECT/ENGINEER.
4. REMOVE REMOVABLE ITEMS WHICH ARE IN PLACE AND ARE NOT SCHEDULED TO RECEIVE PAINT FINISH; OR PROVIDE SURFACE-APPLIED PROTECTION PRIOR TO SURFACE PREPARATION AND PAINTING OPERATIONS.
5. FOLLOWING COMPLETION OF PAINTING IN EACH SPACE OR AREA, REINSTALL THE REMOVED ITEMS BY USING WORKMEN WHO ARE SKILLED IN THE NECESSARY TRADES.
6. CLEAN EACH SURFACE TO BE PAINTED PRIOR TO APPLYING PAINT OR SURFACE TREATMENT.
7. REMOVE OIL AND GREASE WITH CLEAN CLOTHS AND CLEANING SOLVENT OF LOW TOXICITY AND FLASH POINT IN EXCESS OF 200 DEGREES F, PRIOR TO START OF MECHANICAL CLEANING.
8. SCHEDULE THE CLEANING AND PAINTING SO THAT DUST AND OTHER CONTAMINANTS FROM THE CLEANING PROCESS WILL NOT FALL ONTO WET NEWLY PAINTED SURFACES.
9. PLASTER AND VENEER PLASTER MUST BE ALLOWED TO DRY THOROUGHLY FOR AT LEAST 30 DAYS BEFORE PAINTING.

PREPARATION OF WOOD SURFACES:

1. CLEAN WOOD SURFACES UNTIL FREE FROM DIRT, OIL, AND OTHER FOREIGN SUBSTANCE.
2. SMOOTH FINISHED WOOD SURFACES EXPOSED TO VIEW, USING THE PROPER SANDPAPER. WHERE SO REQUIRED, USE VARYING DEGREES OF COARSENESS IN SANDPAPER TO PRODUCE A UNIFORMLY SMOOTH AND UNMARRED WOOD SURFACE.
3. UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT/ENGINEER, DO NOT PROCEED WITH PAINTING OF WOOD SURFACES UNTIL THE MOISTURE CONTENT OF THE WOOD IS 12% OR LESS AS MEASURED BY A MOISTURE METER APPROVED BY THE ARCHITECT/ENGINEER.
4. WOOD DOORS:
   - A. CAREFULLY SEAL ALL EDGES IMMEDIATELY AFTER FITTING INCLUDING AREAS ROUTED FOR CONCEALED CLOSERS AND OTHER HARDWARE.
   - B. BEFORE FINISHING, THE FINISHER MUST DO A THOROUGH FINAL SANDING OVER ALL SURFACES USING 120 OR 150 GRIT SANDPAPER, DEPENDING ON THE SPECIES, AND IN CONJUNCTION WITH A HAND BLOCK OR BELT SANDER IN ORDER TO REMOVE ALL SCUFFS, HANDLING MARKS, SCRATCHES, RAISED GRAIN, BURNISHES AND EFFECTS OR EXPOSURE TO MOISTURE THAT MAY OCCUR DURING HANDLING, UNLOADING AND STORAGE.
   - C. IMMEDIATELY AFTER FITTING AND BEFORE HANGING, THE ENTIRE DOOR INCLUDING TOP AND BOTTOM EDGES MUST RECEIVE TWO COATS OF A GOOD QUALITY PAINT, VARNISH OR LACQUER. EXTERIOR FINISHES SHOULD BE USED ON THE EXTERIOR FACES AND ALL EDGES OF EXTERIOR DOORS.
   - D. SOME WOODS, PARTICULARLY OAK, CONTAIN CHEMICALS WHICH REACT WITH IRON OR SOME FINISHING MATERIALS. DO NOT USE STEEL WOOL ON OAK DOORS.

PREPARATION OF METAL SURFACES:

1. THOROUGHLY CLEAN SURFACES UNTIL FREE FROM DIRT, OIL, AND GREASE.
2. ON GALVANIZED SURFACES, USE SOLVENT FOR THE INITIAL CLEANING, AND THEN TREAT THE SURFACE THOROUGHLY WITH PHOSPHORIC ACID ETCH. REMOVE ETCHING SOLUTION COMPLETELY BEFORE PROCEEDING.
3. ALLOW TO DRY THOROUGHLY BEFORE APPLICATION OF PAINT.

PAINT APPLICATION:

1. TOUCH-UP SHOP-APPLIED PRIME COATS WHICH HAVE BEEN DAMAGED, AND TOUCH-UP BARE AREAS PRIOR TO START OF FINISH COATS APPLICATION.
2. SLIGHTLY VARY THE COLOR OF SUCCEEDING COATS.
   - A. DO NOT APPLY ADDITIONAL COATS UNTIL THE COMPLETED COAT HAS BEEN INSPECTED AND APPROVED.
   - B. ONLY THE INSPECTED AND APPROVED COATS OF PAINT WILL BE CONSIDERED IN DETERMINING THE NUMBER OF COATS APPLIED.
3. SAND AND DUST BETWEEN COATS TO REMOVE DEFECTS VISIBLE TO THE UNAIDED EYE FROM A DISTANCE OF FIVE FEET.
4. ON REMOVABLE PANELS AND HINGED PANELS, PAINT THE BACK SIDES TO MATCH THE EXPOSED SIDES.

DRYING:

1. ALLOW SUFFICIENT DRYING TIME BETWEEN COATS, MODIFYING THE PERIOD AS RECOMMENDED BY THE MATERIAL MANUFACTURER TO SUIT ADVERSE WEATHER CONDITIONS.
2. CONSIDER OIL-BASE AND OLEO-RESINOUS SOLVENT-TYPE PAINT AS DRY FOR RECOATING WHEN THE PAINT FEELS FIRM, DOES NOT DEFORM OR FEEL STICKY UNDER MODERATE PRESSURE OF THE THUMB, AND WHEN THE APPLICATION OF ANOTHER COAT OF PAINT DOES NOT CAUSE LIFTING OR LOSS OF ADHESION OF THE UNDERCOAT.

BRUSH APPLICATIONS:

1. BRUSH OUT AND WORK THE BRUSH COATS ONTO THE SURFACE IN AN EVEN FILM.
2. CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS, AND OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.

SPRAY APPLICATION:

1. EXCEPT AS SPECIFICALLY OTHERWISE APPROVED BY THE ARCHITECT/ENGINEER, CONFINE SPRAY APPLICATION TO AC GRILLES, SPEAKERS, LIGHT TRIM RINGS, METAL FRAMEWORK AND SIMILAR SURFACES WHERE HAND BRUSH WORK WOULD BE INFERIOR.
2. WHERE SPRAY APPLICATION IS USED, APPLY EACH COAT TO PROVIDE THE HIDING EQUIVALENT OF BRUSH COATS.
3. DO NOT DOUBLE BACK WITH SPRAY EQUIPMENT TO BUILD UP FILM THICKNESS OF TWO COATS IN ONE PASS.

FOR COMPLETED WORK, MATCH THE APPROVED SAMPLES AS TO TEXTURE, COLOR AND COVERAGE. REMOVE, REFINISH, OR REPAINT WORK NOT IN COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

MISCELLANEOUS SURFACES AND PROCEDURES:

1. EXPOSED MECHANICAL ITEMS:
   - A. FINISH ELECTRIC PANELS, ACCESS DOORS, CONDUITS, PIPES, DUCTS, GRILLES, REGISTERS, VENTS, AND ITEMS OF SIMILAR NATURE TO MATCH THE ADJACENT WALL AND CEILING SURFACES, OR AS DIRECTED.
   - B. PAINT VISIBLE DUCT SURFACES BEHIND VENTS, REGISTERS, AND GRILLES FLAT BLACK.
   - C. WASH METAL WITH SOLVENT, PRIME, AND APPLY TWO COATS OF ALKYD ENAMEL.
2. EXPOSED PIPE AND DUCT INSULATION:
   - A. APPLY ONE COAT OF LATEX PAINT ON INSULATION WHICH HAS BEEN SIZED OR PRIMED UNDER OTHER SECTIONS; APPLY TWO COATS ON SUCH SURFACES WHEN UNPREPARED.
   - B. MATCH COLOR OF ADJACENT SURFACES.
   - C. REMOVE BAND BEFORE PAINTING, AND REPLACE AFTER PAINTING.
3. HARDWARE:
   - A. PAINT PRIME COATED HARDWARE TO MATCH ADJACENT SURFACES.
   - B. PAINT METAL PORTIONS OF HEAD SEALS, JAMB SEALS, AND ASTRAGAL SEALS TO MATCH THE COLOR OF THE DOOR FRAME UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.
4. WET AREAS:
   - A. IN TOILET ROOMS AND CONTIGUOUS AREAS, ADD AN APPROVED FUNGICIDE TO PAINTS.
   - B. FOR OIL BASE PAINTS, USE 1% PHENOLMERCURIC OR 4% TETRACHLOROPHENOL.
   - C. FOR WATER EMULSION AND GLUE SIZE SURFACES, USE 4% SODIUM TETRACHLOROPHENATE.
5. INTERIOR: USE "STIPPLE" FINISH WHERE ENAMEL IS SPECIFIED.
6. EXPOSED VENTS: APPLY TWO COATS OF HEAT-RESISTANT PAINT APPROVED BY THE ARCHITECT.

GYPSUM WALLBOARD SYSTEM

PERFORM GYPSUM WALLBOARD SYSTEMS WORK IN ACCORDANCE WITH RECOMMENDATIONS OF ASTM C754 AND GA216 UNLESS OTHERWISE SPECIFIED IN THIS SECTION.

WALLS INDICATED TO RECEIVE SPECIAL FINISH PLASTER TO USE GYPSUM BOARD PRODUCTS DESIGNED TO ACCEPT A PLASTER VENEER. USG ROCKLATH FIRECODE CORE PLASTER BASE, NATIONAL GYPSUM KAL-KORE VENEER PLASTER BASE, (FOR USE IN CANADA: USG GRAND PRIX GYPSUM PLASTER BASE) ARE ACCEPTABLE PRODUCTS

MOISTURE RESISTANT GYPSUM BOARD (GREENBOARD) TO BE USED AT ALL WET AREAS INCLUDING BUT NOT LIMITED TO RESTROOMS, MOP SINK, AND DRINKING FOUNTAIN AREAS

GA 216 - RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM BOARD.

ASTM C 754 - INSTALLATION OF STEEL FRAMING MEMBERS TO RECEIVE SCREW-ATTACHED GYPSUM WALLBOARD, BACKING BOARD, OR WATER-RESISTANT BACKING BOARD.

PROVIDE METAL FRAMING MATERIALS IN ACCORDANCE WITH GA 216.

STUDS: SCREW-TYPE CEE-SHAPED MINIMUM 20 GAUGE.

RUNNERS: MATCH STUDS.

FURRING MEMBERS: SCREW-TYPE HAT-SHAPED 20 GAUGE.

PROVIDE CHANNELS AND HANGER WIRE IN ACCORDANCE WITH GA 216.

FASTENERS AND ANCHORAGES IN ACCORDANCE WITH GA 216.

PROVIDE GYPSUM WALLBOARD MATERIALS IN ACCORDANCE WITH RECOMMENDATIONS OF GA 216.

STANDARD GYPSUM BOARDS SHALL BE 5/8 INCH THICK USING MAXIMUM PERMISSIBLE LENGTH(S) ENDS SQUARE CUT, TAPERED EDGES.

FIRE-RATED GYPSUM BOARDS SHALL BE UL RATED, 5/8 INCH THICK USING MAXIMUM PERMISSIBLE LENGTH(S)

MOISTURE RESISTANT GYPSUM BOARD SHALL BE 5/8 INCH THICK USING MAXIMUM PERMISSIBLE LENGTH(S) ENDS SQUARE CUT TAPERED EDGES. TO BE USED IN ALL WET AREAS INCLUDING BUT NOT LIMITED TO: RESTROOMS AND MOP SINK LOCATIONS.

AGGREGATE PORTLAND CEMENT BOARD, 1/2 INCH THICK, WITH POLYMER-COATED, WOVEN-GLASS MESH IN BACK AND FRONT SURFACES.

PROVIDE GYPSUM WALLBOARD ACCESSORIES IN ACCORDANCE WITH GA 216.

CORNER BEADS SHALL BE METAL.

PROVIDE REINFORCING TAPE, JOINT COMPOUND, ADHESIVE, WATER FASTENERS IN ACCORDANCE WITH GA 216.

INSTALL MEMBERS TRUE TO LINES AND LEVELS TO PROVIDE SURFACE FLATNESS WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FEET (1/960) IN ANY DIRECTION

METAL STUDS SHALL BE 16 INCHES ON CENTER UNLESS OTHERWISE INDICATED.

PARTITION HEIGHTS SHALL BE FULL HEIGHT FROM FLOOR TO ROOF CONSTRUCTION ABOVE OR AS INDICATED ON THE DRAWINGS.

INSTALL DOUBLE STUDS AT DOOR FRAME JAMBS. INSTALL RUNNERS ON EACH SIDE OF OPENING AT FRAME HEAD HEIGHT BETWEEN JAMB STUDS AND ADJACENT STUDS.

INSTALL BLOCKING BEHIND DRYWALL FOR SUPPORT OF PLUMBING FIXTURES, TOILET PARTITIONS, WALL CABINETS, TOILET ACCESSORIES, HARDWARE AND ELSEWHERE AS REQUIRED.

COORDINATE INSTALLATION OF BUCKS, ANCHORS, BLOCKING, ELECTRICAL, AND MECHANICAL WORK WHICH IS TO BE PLACED IN OR BEHIND PARTITION FRAMING. ALLOW SUCH ITEMS TO BE INSTALLED AFTER FRAMING IS COMPLETE.

ERECT WALL FURRING DIRECTLY ATTACHED TO CONCRETE BLOCK AND CONCRETE WALLS.

SPACE FURRING CHANNELS MAXIMUM 16 INCHES ON CENTER, NOT MORE THAN 4 INCHES FROM FLOOR AND CEILING BEARING.

ERECT SINGLE LAYER STANDARD GYPSUM BOARD IN DIRECTION MOST PRACTICAL AND ECONOMICAL, WITH ENDS AND EDGES OCCURRING OVER FIRM BEARING.

ERECT SINGLE LAYER FIRE-RATED GYPSUM BOARD VERTICALLY, WITH EDGES AND ENDS OCCURRING OVER FIRM

USE SCREWS WHEN FASTENING GYPSUM BOARD TO METAL FURRING OR FRAMING.

PLACE CORNER BEADS AT EXTERNAL CORNERS. USE LONGEST PRACTICAL LENGTHS. PLACE EDGE TRIM WHERE GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.

TAPE, FILL, AND SAND EXPOSED JOINTS, EDGES, CORNERS, OPENINGS, AND FIXTURES, TO PRODUCE SURFACE READY TO RECEIVE SURFACE FINISHES. FEATHER COATS ONTO ADJOINING SURFACES SO THAT CAMBER IS MAXIMUM 1/32 INCH. FINISHING OF TAPING IS NOT REQUIRED ABOVE CEILING LINE.

REMOVE AND RE-DO DEFECTIVE WORK.

WOOD FLOOR SYSTEM

REFER TO FINISH SCHEDULE FOR MORE INFORMATION ON MATERIALS AND MANUFACTURERS.

ATTENTION - INSTALLER RESPONSIBILITY

INSPECT ALL MATERIALS CAREFULLY BEFORE INSTALLATION. WOOD IS A NATURAL PRODUCT CONTAINING NATURAL CHARACTERISTICS SUCH AS NATURAL VARIATIONS IN COLOR, TONE, AND GRAINING. SOME VARIATION IN COLOR IS TO BE EXPECTED IN A NATURAL WOOD FLOOR. SEE FINISH SCHEDULE FOR VARIATION OF COLOR ALLOWED FOR EACH WOOD FLOORING SPECIFIED.

TOOLS

BASIC TOOLS AND ACCESSORIES: BROOM OR VACUUM, CHALK LINE, TAPPING BLOCK, PROFESSIONAL CHOICE CLEANER, HAND OR ELECTRIC JAM SAW, MITER SAW, MOISTURE METER, SAFETY GLASSES, STRAIGHT EDGE, TABLE SAW, TAPE MEASURE, 3M BLUE TAPE, SQUARE, UTILITY KNIFE, PRY BAR. USE URETHANE WOOD FLOORING ADHESIVE, TOWELS AND TROWEL IF GLUING OR A BOSTITCH 50C POWER NAILER FOR NAILING WITH A 1-1/2" POWER CLEAT. (NOTE: YOU MUST USE A 3/8" OR 1/2" ADAPTER AS APPROPRIATE).

CAUTION: IMPROPER USE OF A POWER NAILER CAN MARK THE SURFACE OF THE FLOORING.

JOBSITE CONDITIONS

IT IS THE RESPONSIBILITY OF THE INSTALLERS TO DETERMINE IF THE JOBSITE SUB-FLOOR AND JOBSITE CONDITIONS ARE ENVIRONMENTALLY AND STRUCTURALLY ACCEPTABLE FOR WOOD FLOOR INSTALLATION.

TO CORRECT ANY SUB-FLOOR PROBLEMS CONCERNING MOISTURE, EITHER WAIT UNTIL THE SUB-FLOOR DRIES TO MEET SPECIFICATIONS OR USE AN APPROPRIATE MOISTURE BARRIER.

SUBFLOORS OTHER THAN WOOD OR CONCRETE

NOTE: PERIMETER GLUED RESILIENT VINYL AND RUBBER TILES ARE UNACCEPTABLE UNDERLAYMENTS AND MUST BE REMOVED.

WARNING: DO NOT SAND EXISTING RESILIENT TILE, SHEET FLOORING, BACKING, OR FELT LININGS. THESE PRODUCTS MAY CONTAIN ASBESTOS FIBERS THAT ARE NOT READILY IDENTIFIABLE. INHALATION OF ASBESTOS DUST CAN CAUSE ASBESTOSIS OR OTHER SERIOUS BODILY HARM. CHECK WITH LOCAL, STATE AND FEDERAL LAWS FOR HANDLING HAZARDOUS MATERIAL BEFORE ATTEMPTING THE REMOVAL OF THESE FLOORS.

CAUTION: THE SLAB SURFACE MUST NEVER EXCEED 85°F IN TEMPERATURE.

PREPARATION

REMOVE ALL MOLDINGS AND WALL BASE AND UNDERCUT ALL DOOR CASINGS WITH A HAND OR JAM SAW USING A SCRAP PIECE OF FLOORING AS A GUIDE.

NOTE: WHEN INSTALLING A PRE-FINISHED WOOD FLOOR BE SURE TO BLEND THE WOOD FROM SEVERAL CARTONS TO ENSURE A GOOD GRAIN AND SHADING MIXTURE THROUGHOUT THE INSTALLATION.

GLUE DOWN AND NAIL INSTALLATION GUIDELINES

CAUTION: FOLLOW ALL GUIDELINES FOUND ON THE ADHESIVE CONTAINER. BY NOT ADHERING TO THE GUIDELINES YOU CAN VOID YOUR FLOORING WARRANTIES.

STEP 1 - (WET LAY AND NAILING METHOD)

SELECT A STARTER WALL. IT IS RECOMMENDED TO START THE INSTALLATION ALONG AN EXTERIOR WALL; IT'S MORE LIKELY TO BE STRAIGHT AND SQUARE WITH THE ROOM. MEASURE OUT FROM THE WALL THE WIDTH OF TWO PLANKS AND MARK EACH END OF THE ROOM AND SNAP YOUR CHALK LINE.

STEP 2

SPREAD PROFESSIONAL CHOICE FLOORING ADHESIVE FROM THE CHALK LINE TO THE STARTER WALL USING THE RECOMMENDED TROWEL (3/16" X 1/4" X 1/2" V NOTCH). IT IS IMPORTANT TO USE THE CORRECT TROWEL AT A 45 DEGREE ANGLE TO GET THE PROPER SPREAD OF ADHESIVE APPLIED TO THE SUB-FLOOR, WHICH WILL PRODUCE A PROPER AND PERMANENT BOND. IMPROPER BONDING CAN CAUSE LOOSE OR HOLLOW SPOTS.

NOTE: CHANGE THE TROWEL EVERY 2000 TO 3000 SQUARE FEET DUE TO WEAR DOWN OF THE NOTCHES. THIS ASSURES YOU ALWAYS GET THE PROPER SPREAD OF ADHESIVE.

SPECIFICATIONS CONTINUED ON SHEET A902

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STEP 3
INSTALL THE FIRST ROW OF STARTER PLANKS WITH THE TONGUE FACING THE STARTER WALL AND SECURE INTO POSITION. ALIGNMENT IS CRITICAL AND CAN BE ACHIEVED BY SECURING A STRAIGHT EDGE ALONG THE CHALK LINE (2X4'S WORK WELL). OR BY TOP NAILING THE FIRST ROW WITH FINISHING NAILS (WOOD SUB-FLOOR), THIS PREVENTS SLIPPAGE OF THE PLANKS THAT CAN CAUSE MISALIGNMENT.

NOTE: THE PLANKS ALONG THE WALL MAY HAVE TO BE CUT TO FIT SINCE MOST WALLS ARE NOT STRAIGHT, AND LEAVING AN EXPANSION SPACE.

YOU MUST NAIL 1"-2" FROM THE ENDS AND EVERY 4"-6" ALONG THE EDGES. THIS WILL HELP INSURE A SATISFACTORY INSTALLATION. IT IS BEST TO SET THE COMPRESSOR PSI AT 80-85 LBS. TO KEEP THE STAPLES FROM GOING THROUGH OR BREAKING THE TONGUES. IMPROPER STAPLING TECHNIQUES CAN CAUSE SQUEAKS IN THE FLOOR.

ADJUSTMENTS MAY BE NECESSARY TO PROVIDE ADEQUATE PENETRATION OF THE NAIL INTO THE NAIL BED. YOU WANT IT FLUSH IN THE NAIL POCKET. USE A SCRAP PIECE OF FLOORING MATERIAL TO SET TOOLS PROPERLY BEFORE INSTALLATION.

STEP 4
ONCE THE STARTER ROWS ARE SECURE SPREAD 2-1/2 TO 3 FEET OF ADHESIVE THE LENGTH OF THE ROOM. (NEVER LAY MORE ADHESIVE THAN CAN BE COVERED IN APPROXIMATELY 2 HRS).

PLACE PLANK AND PRESS FIRMLY INTO ADHESIVE. NEVER SLIDE PLANKS OR STRIPS THROUGH ADHESIVE. USE A TAPPING BLOCK TO FIT PLANKS SNUG TOGETHER AT SIDE AND BUTT-ENDS.

TEST FOR PROPER BOND BY OCCASIONALLY LIFTING A BOARD AND LOOKING FOR GOOD COVERAGE (90%), THEN REPLACE IT INTO THE ADHESIVE.

CLEAN ANY ADHESIVE OFF THE SURFACE BEFORE IT CURES USING CLEAN TERRY CLOTH TOWELS AND URETHANE REMOVER.

USE 3M BLUE MASK TAPE TO HOLD PLANKS SECURELY IN PLACE AS YOU ARE INSTALLING AND CONTINUE THE PROCESS THROUGHOUT THE INSTALLATION. USE CAUTION WHEN USING A RUBBER MALLET TO BUTT MATERIAL TOGETHER. IT CAN BURN THE FINISH AND CAUSE MARRING.

NOTE: NEVER WORK ON TOP OF THE FLOORING WHEN INSTALLING WITH THE WETLAY METHOD.

CLEAN UP
USE CLEAN WHITE TERRY CLOTH TOWELS TO CLEAN AS YOU GO, ALONG WITH FLOORING CLEANER. ADHESIVE THAT HAS CURED ON THE SURFACE OF THE FLOORING CAN BE DIFFICULT TO REMOVE AND WILL REQUIRE THE USE OF URETHANE REMOVER. ONCE THE FLOOR IS COMPLETED CLEAN THE FLOORING WITH FLOORING CLEANER.

LIGHT FOOT TRAFFIC IS ALLOWED AFTER 12 HOURS BUT WAIT 24 HOURS AFTER INSTALLATION TO REMOVE THE 3M BLUE MASKING TAPE. ONCE THE TAPE IS REMOVED CLEAN ANY ADHESIVE RESIDUE LEFT FROM THE TAPE WITH PROFESSIONAL'S CHOICE FLOORING CLEANER.

RECOMMENDED NAILERS: BOSTITCH POWER NAILER 50C NAILER USING A 1-1/2" POWER CLEAT. YOU MUST USE THE 3/8" OR 1/2" ADAPTER AS APPROPRIATE.

LAYOUT THE JOB
SEE FLOOR PLAN FOR SPECIAL LAYOUT INSTRUCTION AND DIRECTION OF WOOD FLOOR

BEGINNING INSTALLATION
PLACE THE PLANKS ALONG YOUR CHALK LINE. USE BRADS OR SMALL FINISHING NAILS TO SECURE THE FIRST STARTER ROW ALONG THE WALL EDGE 1"-2" FROM THE ENDS AND EVERY 4"-6" ALONG THE SIDE. COUNTER SINK THE NAILS AND FILL WITH THE MATCHING WOOD COLOR PUTTY THAT BLENDS WITH THE FLOORING INSTALLED. PLACE THE NAILS IN A DARK GRAIN SPOT IN THE BOARD. THE BASE OR SHOE MOLDING WILL COVER THE NAILS WHEN INSTALLED AFTER COMPLETION OF THE INSTALLATION.

BLIND NAIL AT A 45° ANGLE THROUGH EDGE FACE. IT WILL BE EASIER IF YOU PRE-DRILL THE HOLES. NAIL 1"-2" FROM THE ENDS AND EVERY 4"-6" ALONG THE SIDES. IT WILL BE NECESSARY TO BLIND NAIL THE NEXT 2 ROWS. A STANLEY BRAND BT35 BRAD NAILER WITH 1" - 1-3/8" BRADS CAN ALSO BE USED TO BLIND NAIL AND NO PRE-DRILLING IS NEEDED.

FINAL TOUCHES
INSTALL THE PROPER TRIM MOLDING AT THE DOORWAYS TO ACHIEVE THE TRANSITION AND ALONG THE WALLS TO COVER THE EDGES OF ANY GAPS ALONG THE WALL DUE TO IRREGULARITY.

COMPLETE THE JOB BY USING PROFESSIONAL CHOICE FLOORING FILLER THAT BLENDS WITH THE INSTALLED FLOORING, UON, TO FILL ANY GAPPING ALONG THE JOINTS AND CLEAN THE FINISHED FLOOR WITH PROFESSIONAL CHOICE FLOORING CLEANER.

DIVISION #10 - SPECIALTIES
TOILET ACCESSORIES
SEE ROUGH CARPENTRY: WOOD ANCHOR REINFORCEMENT.

PROTECT ADJACENT OR ADJOINING FINISHED SURFACES AND WORK FROM DAMAGE DURING INSTALLATION OF WORK OF THIS SECTION. PROVIDE STEEL ANCHOR PLATES AND ANCHOR COMPONENTS FOR INSTALLATION ON BUILDING

INSTALL FIXTURES, ACCESSORIES, AND ITEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

INSTALL TRUE, PLUMB, AND LEVEL, SECURELY AND RIGIDLY ANCHORED TO SUBSTRATE.

REFER TO ENLARGED TOILET ROOM PLAN FOR ACCESSORIES AND LOCATIONS.

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COLD FORMED STEEL FRAMING NOTES

1. ALL COLD FORMED STEEL FRAMING, MEMBERS, THEIR DESIGN, FABRICATION, AND ERECTION SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" OF THE AISC (LATEST EDITION) AND THE IBC BUILDING CODE (LOCAL EDITION).

2. ALL FRAMING MEMBERS SHALL BE FORMED FROM STEEL CONFORMING TO ASTM A653 WITH A MINIMUM YIELD STRENGTH AS FOLLOWS: 12, 14, AND 16 GAGE MEMBERS – Fy = 50 KSI (GRADE D); AND 18 AND 20 GAGE MEMBERS – Fy = 33 KSI (GRADE A).

3. ALL FRAMING MEMBERS SHALL BE GALVANIZED – GRADE 60 PER ASTM A653.

4. MEMBERS SHALL BE MANUFACTURER'S STANDARD "C" SHAPED STUDS/JOISTS OR THE SIZE, FLANGE WIDTH, AND GAGE INDICATED. ALL MEMBERS SHALL HAVE A MINIMUM FLANGE LIP RETURN OF ½" PER THE MINIMUM PROPERTIES OF DIETRICH INDUSTRIES OR APPROVED EQUAL.

5. TRACKS SHALL BE THE SAME GAGE AS MEMBERS CONNECTED. ATTACH TRACKS TO CONCRETE WITH 0.145" DIAMETER POWDER ACTUATED FASTENERS (PAFs) SPACE AT 16" O.C. MAXIMUM OR PER PLANS AND DETAILS.

6. WELDING SHALL BE IN CONFORMANCE WITH AMERICAN WELDING SOCIETY SPECIFICATION D1.3. TOUCH UP WELDS WITH ZINC RICH GALVANIZING REPAIR PAINT.

7. SELF-DRILLING AND TAPPING SCREWS SHALL BE INSTALLED WITH A TORQUE CONTROLLED CLUTCH MOTOR SO THAT MATERIAL IS FIRMLY CLAMED TOGETHER WITHOUT OVER-DRILLING AND STRIPPING METAL. ACCEPTABLE SCREW PRODUCTS INCLUDE THE FOLLOWING:
   7.1. ELCO BRAND SCREWS
   7.2. HILL BRAND SCREWS
   7.3. COMPASS INTERNATIONAL SCREWS
   7.4. ITW BUILDEX SCREWS
   SCREWS SHALL BE METAL TO METAL SCREWS CONFORMING TO AISI 1019 (#6 TO #12 SCREWS) AND AISI 1022 (¼" SCREWS). SELF TAPPING SCREWS SHALL CONFORM TO SAE J-78. SCREWS SHALL BE ZINC ELECTRO-PLATED CONFORMING TO ASTM B-633, SERVICE CONDITION 1.

8. PROVIDE BRIDGING FOR STUDS, JOISTS, AND RAFTERS AT 6'-0" O.C. (MAXIMUM). INSTALL ALL BRIDGING PRIOR TO APPLYING LOAD. CONNECT BRIDGING PER MANUFACTURER'S RECOMMENDATIONS.

9. PROVIDE WEB STIFFENERS AT JOIST AND RAFTER BEARING PER MANUFACTURER'S RECOMMENDATIONS.

10. ALL AXIALLY LOADED STUDS SHALL HAVE FULL BEARING AGAINST THE INSIDE TRACK WEB PRIOR TO TRACK AND STUD ALIGNMENT.

11. INSTALL FRAMING, ATTACHMENTS, BRIDGING, TRACK, CLIPS, ACCESSORIES, ETC., PER ALL MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS.

12. PROVIDE DOUBLE JACK STUDS (MINIMUM) AT ALL BOX BEAM BEARING. MINIMUM NUMBER OF JAMB STUDS AT ALL BEARING WALL OPENINGS SHALL BE EQUAL TO 1 PLUS HALF THE NUMBER OF STUDS INTERRUPTED BY THE OPENING (ALTERNATELY PROVIDE SIGNED AND SEALED ENGINEERED CALCULATIONS WITH DESIGN ACCOUNTING FOR ALL REQUIRED CODE FORCES).

13. SPECIAL INSPECTOR SHALL PERIODICALLY INSPECT WELDING TO VERIFY PROPER MATERIAL STORAGE AND HANDLING; WELDER QUALIFICATIONS; AND WELDING AND WORKMANSHIP ARE IN ACCORDANCE WITH THE DESIGN DOCUMENTS AND BUILDING CODE.

14. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS AND CERTIFICATE OF SPECIAL INSPECTION TO THE BUILDING CODE OFFICIAL AND TO THE ARCHITECT AND ENGINEER.

STRUCTURAL DRAWING LIST

GENERAL NOTES

1. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED HIMSELF WITH ALL EXISTING CONDITIONS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE SUBMITTING A BID.

2. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR COORDINATING WITH ALL EXISTING CONDITIONS FOR DIMENSIONS, CLEARANCES AND OTHER CONDITIONS AFFECTING THE STRUCTURE LOCATION. FIELD VERIFY ALL EXISTING CONDITIONS.

3. ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR TO CONFORM TO THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF ANY TEMPORARY BRACING AND SHORING THAT MAY BE REQUIRED. SUCH TEMPORARY BRACING AND SHORING MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.

5. DESIGN, DETAILING, COORDINATION, AND INSTALLATION OF SHORING AND STABILIZATION OF EXISTING STRUCTURES/CONSTRUCTION IN ORDER TO COMPLETE THE WORK SHOWN ON THE DRAWINGS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

6. CONTRACTOR SHALL PROTECT EXISTING BUILDING TO PREVENT DENTS, GOUGES, SCRATCHES AND OTHER DAMAGE.

7. THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THE EXISTING CONDITIONS OF BUILDINGS AND STRUCTURES TO REMAIN AT OR ADJACENT TO THE WORK ZONE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SAFETY AND CONDITIONS OF THE BUILDINGS AND STRUCTURES TO REMAIN.

8. SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW. SEE SHOP DRAWING NOTES.

9. IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR NOTES CONFLICT, THE BETTER QUALITY AND/OR GREATER QUANTITY, STRENGTH OR SIZE SHALL BE PROVIDED.

10. INSPECT WORK AS REQUIRED BY THE BUILDING CODE AND THE REQUIREMENTS OF THE LOCAL JURISDICTION. ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE ARCHITECT, ENGINEER, AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THE SPECIAL INSPECTION PROCESS (DPRC). THE THIRD PARTY SPECIAL INSPECTOR SHALL SIGN ALL REPORTS AND SUBMIT THEM FOR RECORD.

11. ALL WORK SHALL BE PERFORMED PER THE GOVERNING BUILDING CODE.

12. USE THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS OF ALL OTHER DISCIPLINES INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.

13. THE CONTRACTOR SHALL PAY FOR INVESTIGATIONS AND DESIGN NEEDED TO EVALUATE, DESIGN, AND CORRECT IMPROPER INSTALLATIONS OR CONTRACTOR REQUESTED CHANGES.

14. CONTACT THE ARCHITECT AND THE ENGINEER IF FIELD CONDITIONS CONFLICT WITH DESIGN AND DETAILS SHOWN ON THE DRAWINGS.

15. DO NOT SCALE DRAWINGS.

STRUCTURAL DESIGN CRITERIA

ITEM	SYMBOL	VALUE	REFERENCE
LIVE LOAD	LL	SEE PLANS	CBC 2022
DEAD LOAD	DL	SEE PLANS	& ASCE 7-16
CEILING DEAD LOAD		5 PSF	
CEILING LIVE LOAD		10 PSF	
WALL DEAD LOAD		5 PSF	
WALL LIVE LOAD		10 PSF	
GROUND SNOW LOAD	Pg	59 PSF	
SNOW EXPOSURE FACTOR	Ce	1.0	
SNOW THERMAL FACTOR	Ct	1.0	
SNOW IMPORTANCE FACTOR	Is	1.0	
MIN. SNOW LOAD (LOW SLOPE)	Pm	NA	
FLAT ROOF SNOW LOAD	Pf	42 PSF	
ROOF SLOPE FACTOR	Cs	1.0	
DRIFT SURCHARGE LOAD	Pd	NA	
SNOW DRIFT WIDTH	w	NA	
SLOPED ROOF SNOW LOAD	Ps	NA	
BASIC WIND SPEED	V ult	109 MPH	
ASD WIND SPEED	V asd	NA	
RISK CATEGORY		II	
IMPORTANCE FACTOR	I	1.0	
WIND EXPOSURE		NA	
INTERIOR PRESSURE COEFFICIENT	GCpi	±0.18	
MWFRS WIND PRESSURE	Pw	ASCE 7-16	
COMPONENTS & CLADDING	Pnet	ASCE 7-16	
SEISMIC IMPORTANCE FACTOR	Ie	1.0	
SITE LATITUDE (DECIMAL DEG.)		42.980	
SITE LONGITUDE (DECIMAL DEG.)		-78.820	
MAPPED SPECT. RESP ACC	Ss	0.167	
MAPPED SPECT RESP ACC 1-SEC	S1	0.045	
SITE CLASS		D	
DESIGN SPECT RESP ACCEL	Sds	0.178	
DESIGN SPECT RESP ACC 1-SEC	Sd1	0.072	
SEISMIC DESIGN CATEGORY		B	
BASIC SEIS FORCE RESIST SYS		NA - EXISTING (NO CHANGE)	
RESPONSE MODIFICATION FACTOR	R	NA - EXISTING (NO CHANGE)	
SEISMIC RESPONSE COEFFICIENT	Cs	NA - EXISTING (NO CHANGE)	
DESIGN BASE SHEAR	V	INT. FIT-OUT	
ANALYSIS PROCEDURE USED		EQUIVALENT LATERAL FORCE	

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STRUCTURE NOTES AND SCHEDULES

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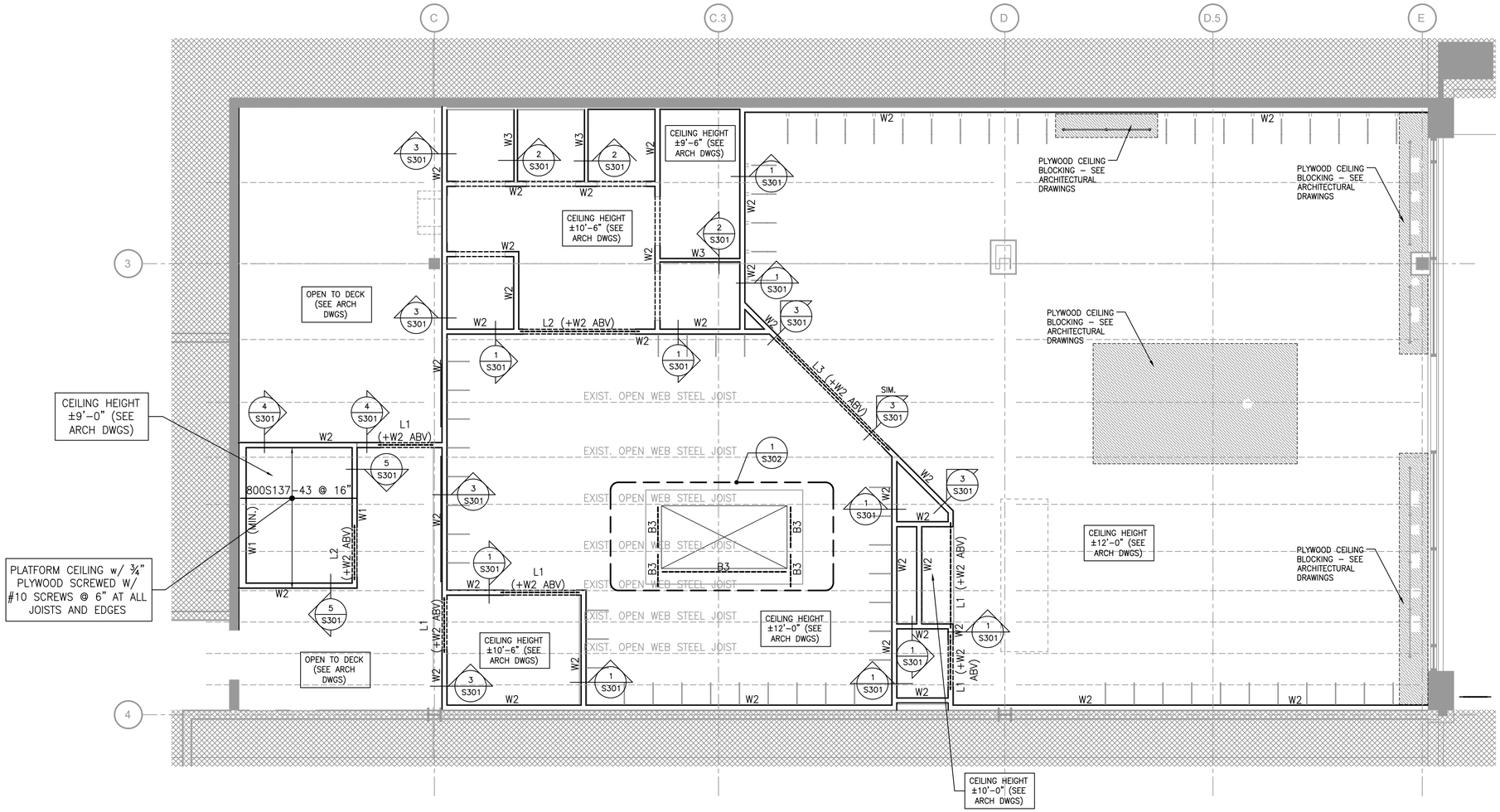

LINTEL / BRACE SCHEDULE

IDENTIFICATION	TYPE
L1	3 5/8" x 3 5/8" x 33 BOX BEAM PER S301 = (2) 362S137-33 + (2) 363TSB-33 (T&B)
L2	3 5/8" x 6" x 43 BOX BEAM PER S301 = (2) 600S137-43 + (2) 363TSB-43 (T&B)
L3	3 5/8" x 10" x 43 BOX BEAM PER S301 = (2) 600S137-43 + (2) 363TSB-43 (T&B)
B1	3 5/8" x 3 5/8" x 43 BOX BEAM
B2	3 5/8" x 6" x 43 BOX BEAM
B3	6" x 6" x 43 BOX BEAM PER S301 = (2) 600S162-43 + (2) 600TSB-43 (T&B)
B4	2" x 6" x 43 "FLAT" BOX BEAM = (1) 600S162-43 + (1) 600TSB150-43 - "FLAT"

NOTES:
1. PROVIDE MINIMUM BEARING AT EACH END PER MANUFACTURER'S RECOMMENDATIONS AND PROVIDE MINIMUM NUMBER OF JAMB POSTS PER BEARING WALL SCHEDULE AND NOTES.

CFS WALL AND COLUMN SCHEDULE

IDENTIFICATION	TYPE	SHEATHING / NOTES
W1	362S162-43 @ 16 O.C. (SEE NOTES BELOW)	SEE ARCHITECTURAL DRAWINGS FOR HEIGHT OF DRYWALL OR PLYWOOD
W2	362S162-33 @ 16 O.C. (SEE NOTES BELOW)	SEE ARCHITECTURAL DRAWINGS FOR HEIGHT OF DRYWALL OR PLYWOOD
W3	250S162-33 @ 16 O.C. (SEE NOTES BELOW)	SEE ARCHITECTURAL DRAWINGS FOR HEIGHT OF DRYWALL OR PLYWOOD
C1	3½" x 3½" x 18 GAGE = (2) 362S137-43 + (2) 362T125-43	SEE ARCHITECTURAL DRAWINGS FOR HEIGHT OF DRYWALL OR OTHER

NOTES:
1. SEE S001 FOR CFS CONSTRUCTION NOTES.
2. AT ALL WALL OPENINGS, PACK JAMBS WITH ADDITIONAL JAMB STUDS AS FOLLOWS - 1 STUD PLUS HALF THE NUMBER OF STUDS INTERRUPTED BY THE OPENING (UNLESS SHOWN OTHERWISE ON PLAN).

3/16"=1'-0" 1/S101 STRUCTURE PLAN

1. SEE STRUCTURAL DESIGN CRITERIA ON S001 FOR WALL LOADS.
2. SEE S001, AND DETAILS FOR ADDITIONAL INFORMATION.
3. SEE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION INCLUDING BUT NOT LIMITED TO DIMENSIONS, ETC.

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NSA PROJECT NUMBER: 2024-572
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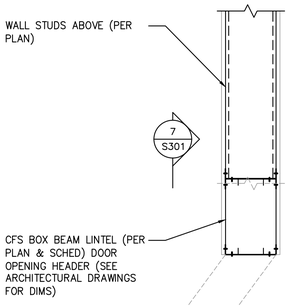
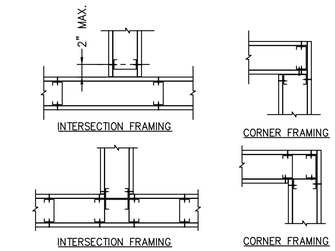
SHEET TITLE :
STRUCTURE PLAN

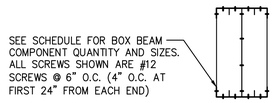
SHEET NO.:
S101



NO SCALE 9 S301 TYPICAL BOX BEAM LINTEL SECTION @ PARTITION WALL



1"=1'-0" 7 S301 TYPICAL WALL PLAN DETAILS



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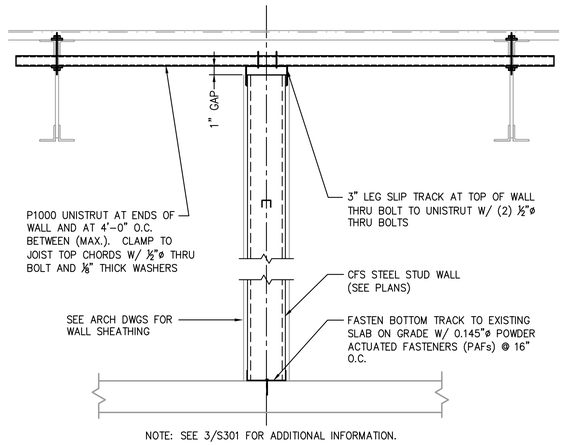
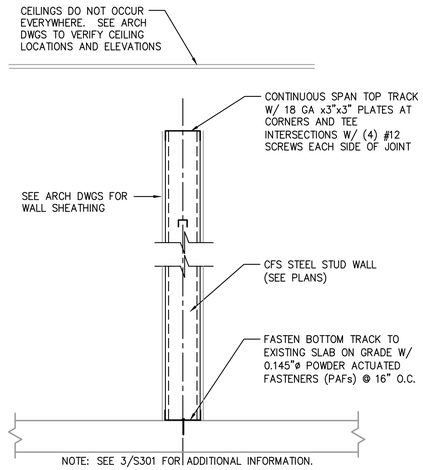
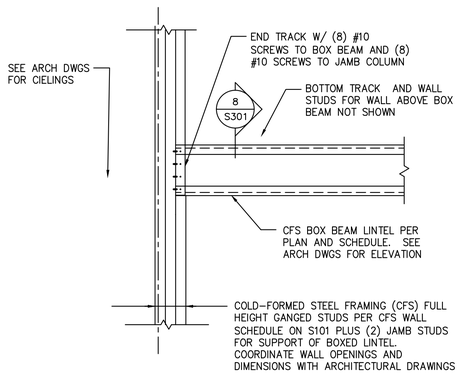


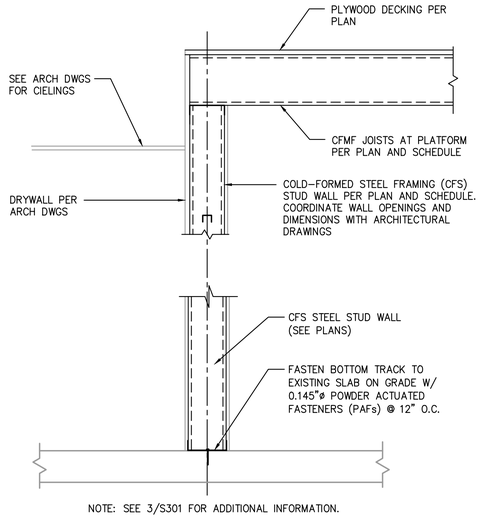
1"=1'-0" 4 S301 FULL HEIGHT PARTITION DETAIL



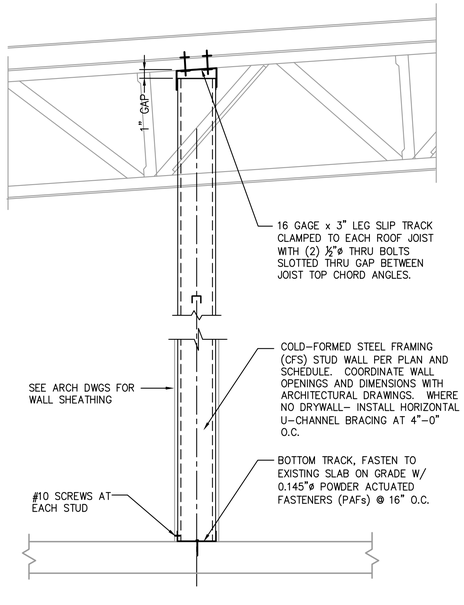
1"=1'-0" 2 S301 PARTITION DETAIL



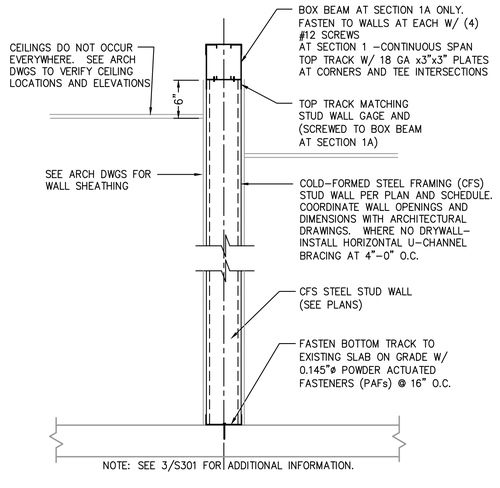
1"=1'-0" 8 S301 TYPICAL JAMB / BOXED LINTEL DETAIL



1"=1'-0" 5 S301 PLATFORM CEILING SECTION



1"=1'-0" 3 S301 FULL HEIGHT PARTITION DETAIL



1"=1'-0" 1 S301 1A S301 PARTITION DETAIL

PRELIMINARY NOT FOR CONSTRUCTION

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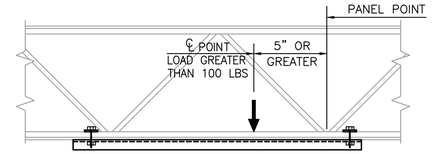
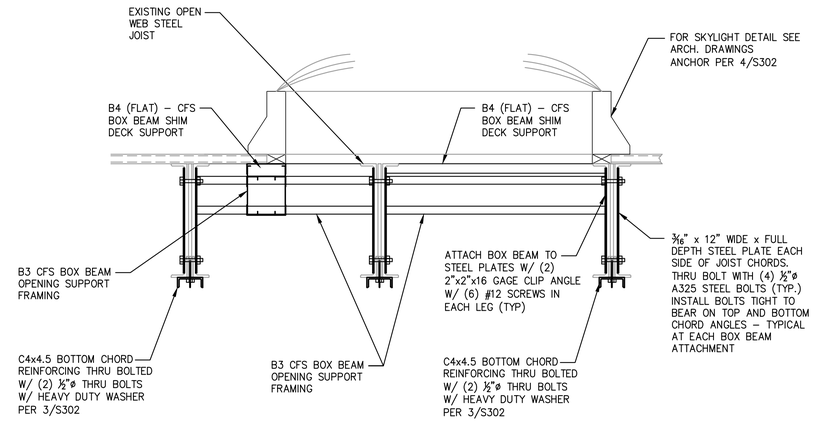


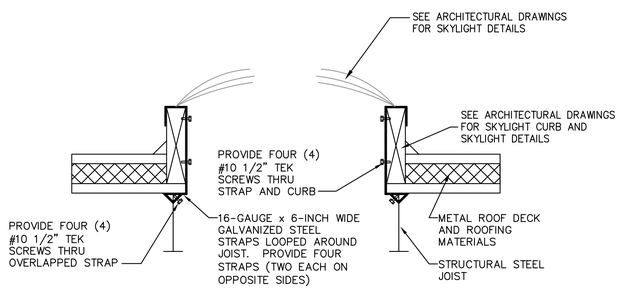
NOTES:

1. PROVIDE JOIST REINFORCEMENT AT ALL LOCATIONS WHERE CONCENTRATED LOADS ARE SUPPORTED BY JOISTS AT LOCATIONS OTHER THAN PANEL POINTS.

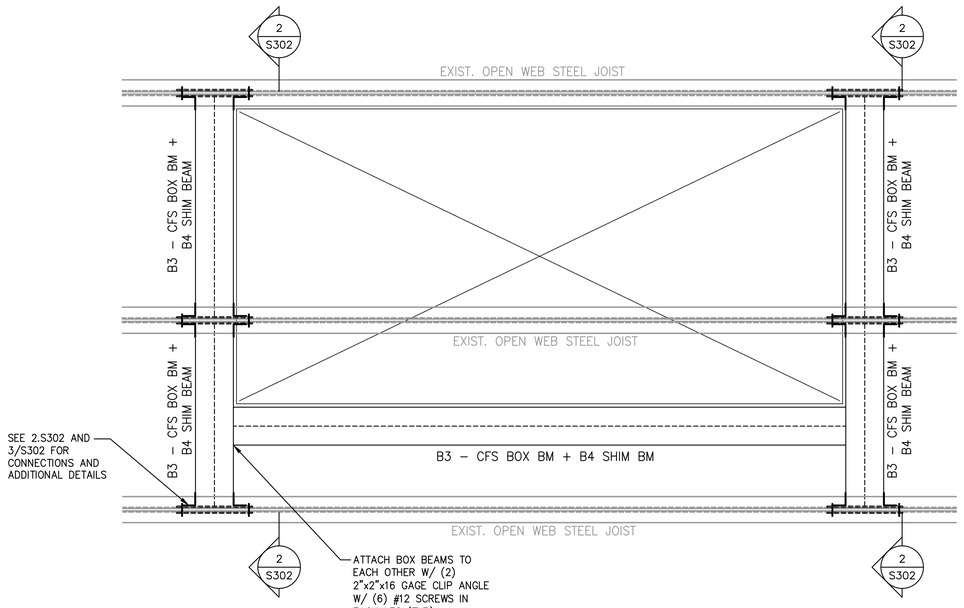
NO SCALE 3/S302 TYPICAL JOIST STIFFENER DETAIL



NO SCALE 2/S302 TYPICAL SKYLIGHT OPENING CFS BOX BEAM SUPPORT DETAIL



NO SCALE 4/S302 TYPICAL CURB ANCHORAGE DETAIL



NO SCALE 1/S302 SKYLIGHT OPENING FRAMING PLAN DETAIL

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STRUCTURE DETAILS

SHEET NO.:

S302

GENERAL MECHANICAL NOTES

A. ALL REFERENCES ON THE DRAWINGS AND IN THE SPECIFICATIONS TO 'CONTRACTOR' AND 'MECHANICAL CONTRACTOR' REFER TO THE TENANT'S MECHANICAL CONTRACTOR, UNLESS NOTED OTHERWISE.

B. ALL WORK SHOWN AND SPECIFIED HEREIN SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE.

C. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID, INCLUDING ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, STUB-INS, TAPS, ETC. NO CLAIMS FOR EXTRAS DUE TO LACK OF FAMILIARITY WITH SITE CONDITIONS WILL BE APPROVED.

D. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND SPECIFICATIONS FOR ALL DIVISIONS OF WORK AND SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL HIS SUBCONTRACTORS WITH A COMPLETE SET OF BID DOCUMENTS.

E. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE CONTRACTOR SHALL FIT THE WORK TO THE JOB, CAREFULLY INVESTIGATING STRUCTURAL, MECHANICAL, ELECTRICAL AND FINISH CONDITIONS AFFECTING THE WORK, AND SHALL FURNISH AND INSTALL ALL NECESSARY BENDS, OFFSETS, FITTINGS, JUNCTIONS, ETC. WHETHER OR NOT SPECIFICALLY SHOWN OR CALLED FOR, AND SEE THAT THERE ARE NO INTERFERENCES BETWEEN THIS WORK AND THE WORK OF OTHER TRADES.

F. PROVIDE ALL EQUIPMENT AND MATERIALS, AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY APPLICABLE CODES.

G. INSTALL ALL MECHANICAL EQUIPMENT, MATERIALS AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, THE CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.

H. ALL EQUIPMENT, MATERIALS AND INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LANDLORD CRITERIA.

I. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS THAT ARE NOT DIMENSIONED ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS SHALL BE BASED ON SITE CONDITIONS. INSTALL ALL EQUIPMENT AS REQUIRED TO MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES.

J. COORDINATE DIFFUSER, REGISTER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN, LIGHTING, AND OTHER CEILING-MOUNTED ITEMS, AND MAKE MINOR ADJUSTMENTS IN DIFFUSER LOCATIONS AND DUCTWORK AS REQUIRED.

K. ALL ROOF CUTTING, PATCHING AND FLASHING REQUIRED TO INSTALL THE MECHANICAL SYSTEMS SHALL BE BY A LANDLORD-APPROVED ROOFING CONTRACTOR AT THIS CONTRACTOR'S EXPENSE. COORDINATE ROOF PENETRATIONS WITH LANDLORD AND GENERAL CONTRACTOR.

L. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO LANDLORD'S BASE BUILDING SYSTEMS. RE-USE EXISTING CONNECTION POINTS WHERE POSSIBLE. COORDINATE ALL REQUIREMENTS IN FIELD WITH LANDLORD.

M. NOTIFY TENANT'S PROJECT MANAGER IF ANY EXISTING DUCTWORK OR PIPING CONNECTION POINTS ARE SMALLER THAN SIZES SHOWN ON DRAWINGS.

N. CONTRACTOR SHALL CLEAN AND SERVICE ALL EXISTING MECHANICAL EQUIPMENT THAT IS BEING RE-USED. REPAIR OR REPLACE UNIT COMPONENTS AS REQUIRED TO MAKE UNIT FULLY FUNCTIONAL, INCLUDING BUT NOT LIMITED TO: FANS, MOTORS, DRIVES, BELTS, BEARINGS, COILS, HEAT EXCHANGERS, REFRIGERATION, DAMPERS, DAMPER MOTORS, VALVES, AND OPERATING AND SAFETY CONTROLS. CHANGE FILTERS UPON COMPLETION OF SERVICE WORK AND JUST PRIOR TO JOB TURNOVER.

O. EXISTING DUCTWORK MAY BE RE-USED WHERE EXISTING DUCT SIZES AND CONDITIONS MEET OR EXCEED THOSE SHOWN AND SPECIFIED. DUCT SIZES SHOWN ON DRAWINGS ARE MINIMUM REQUIRED SIZES. CLEAN ALL RE-USED DUCTWORK THOROUGHLY PRIOR TO CONNECTION TO NEW. INSULATE EXISTING DUCTWORK BEING RE-USED AS REQUIRED TO MEET SPECIFICATIONS FOR NEW DUCTWORK. DO NOT RE-USE LINED DUCTWORK.

P. REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING SYSTEMS, CONTROLS, ETC. NOT BEING RE-USED. DO NOT ABANDON IN PLACE. MAINTAIN SERVICES PASSING THROUGH SPACE TO OTHER TENANT SPACES.

Q. CONTRACTOR MAY, AT HIS OPTION, INSTALL ROUND SPIRAL DUCTWORK OF EQUIVALENT CAPACITY IN LIEU OF RECTANGULAR DUCTWORK SHOWN AS LONG AS CEILING HEIGHTS ARE NOT AFFECTED.

R. FIBERGLASS DUCTBOARD IS NOT ALLOWED.

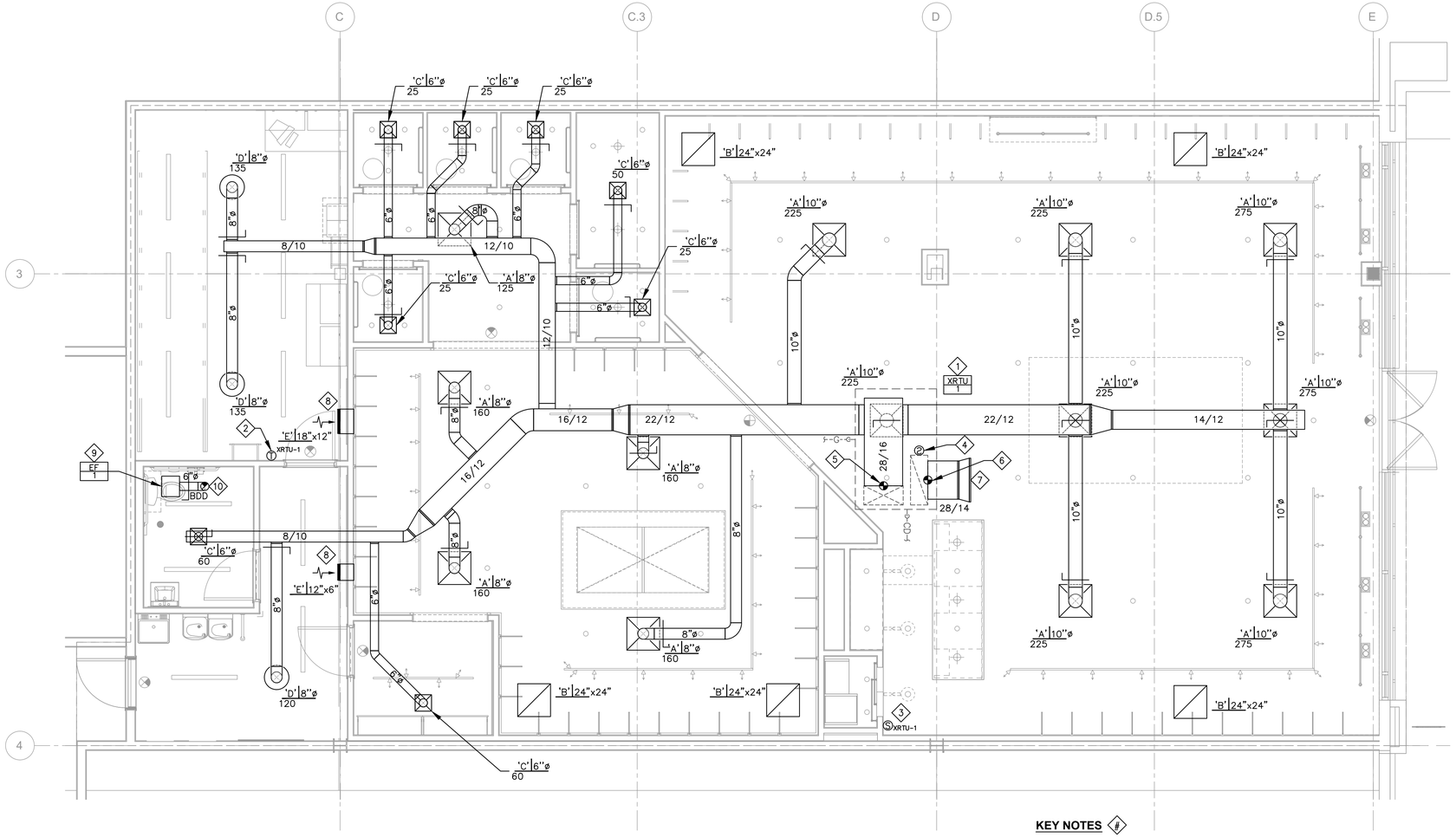
S. BRANCH DUCT RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK, UNLESS SHOWN OTHERWISE.

T. RIGID DUCTWORK SHALL BE UTILIZED FOR ALL RUNOUTS TO DIFFUSERS IN OPEN CEILING AREAS.

U. ADJUST DISCHARGE PATTERN OF ADJUSTABLE-THROW DIFFUSERS TO FULL VERTICAL POSITION.

V. CONTRACTOR SHALL BALANCE ALL HVAC SYSTEMS IN ACCORDANCE WITH THE MECHANICAL SPECIFICATIONS. SUBMIT COPIES OF TEST & BALANCE REPORT TO TENANT, LANDLORD AND ENGINEER.

W. THE SPACE ABOVE THE CEILING IS DESIGNED AS A RETURN AIR PLENUM. ALL CONSTRUCTION MATERIALS ABOVE CEILING SHALL BE NON-COMBUSTIBLE, AND SHALL HAVE MAXIMUM FLAME SPREAD/FUEL CONTRIBUTED/SMOKE DEVELOPED RATING OF 25/25/50 IN ACCORDANCE WITH UL 723, NFPA 90A AND ASTM E84. WIRING SHALL BE LABELED PLENUM RATED PER NFPA 70, OR INSTALLED IN CONDUIT. THIS ALSO APPLIES TO ALL EXISTING MATERIALS.



1 HVAC PLAN
1/4"=1'-0"

KEY NOTES ⟨#⟩

1. EXISTING LANDLORD PROVIDED ROOFTOP HVAC UNIT TO REMAIN (SEE EXISTING RTU SCHEDULE ON M101.) RE-BALANCE UNIT TO 3,400 CFM SUPPLY AIR AND 620 CFM OUTDOOR AIR. SEE GENERAL NOTES FOR EQUIPMENT REFURBISHING REQUIREMENTS.
2. THERMOSTAT FOR UNIT INDICATED. INSTALL AT 4'-0" AFF. LABEL THERMOSTAT WITH UNIT NUMBER.
3. TEMPERATURE SENSOR FOR UNIT INDICATED. INSTALL AT 4'-0" AFF. MOUNT DUCT SMOKE DETECTOR TEST SWITCH/ANNUNCIATOR ABOVE SENSOR AT 7'-6" AFF. LABEL SENSOR WITH UNIT NUMBER.
4. CONFIRM OPERATION OF EXISTING DUCT-MOUNTED SMOKE DETECTOR. IF NOT OPERATIONAL, INSTALL DUCT SMOKE DETECTOR FURNISHED BY MECHANICAL CONTRACTOR IN MAIN RETURN DUCT. DETECTOR SHALL SHUT DOWN HVAC UNIT UPON DETECTION OF SMOKE.
5. CONNECT NEW SUPPLY DUCTWORK TO EXISTING DUCT UP TO XRTU-1. CLEAN AND REPAIR EXISTING DUCTWORK AS REQUIRED.
6. CONNECT NEW RETURN DUCTWORK TO EXISTING DUCT UP TO XRTU-1. CLEAN AND REPAIR EXISTING DUCTWORK AS REQUIRED.
7. PROVIDE BELL MOUTH RETURN AIR INLET.
8. INSTALL AIR TRANSFER GRILLE AS HIGH AS POSSIBLE ON STOCKROOM/CORRIDOR SIDE OF WALL. PROVIDE FULL SIZE TRANSFER INTO PLENUM.
9. PROVIDE CEILING-MOUNTED TOILET EXHAUST FAN WITH INTEGRAL BACKDRAFT DAMPER.
10. 6" TOILET EXHAUST DUCT UP THRU ROOF. TERMINATE WITH RAIN CAP AND BIRDSCREEN. EXHAUST OUTLET SHALL BE A MINIMUM OF 10 FEET FROM ANY OUTDOOR AIR INTAKE.

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10/31/2025

DRAWN BY: SPW CHECKED BY: TMS

HEI PROJECT NUMBER: R25-5273.000

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PERMIT SET	10.31.2025

SHEET TITLE :

MECHANICAL PLAN

SHEET NO.:

M100

10/10/2023 11:01:40 AM

EXISTING ROOFTOP UNIT SCHED.

XRTU #

(LANDLORD TO PROVIDE UNIT. SCHEDULE SHOWN FOR REFERENCE ONLY)

UNIT TAG	XRTU-1		
AREA SERVED	TENANT SPACE		
MANUFACTURER	CARRIER		
MODEL NUMBER	48FEEM09A2A6		
TYPE	PACKAGE		
NOMINAL CAPACITY (TON)	8.5		
EER/IEER	11.2/15.0		
MIN OUTSIDE AIR CFM	620		
SUPPLY FAN			
CFM	6400		
ESP	0.75"		
RPM	1577		
BHP	1.37		
TYPE	BELT		
CLASS (I, II, III, IV)	I		
FILTERS			
TYPE	THROWAWAY		
DEPTH	2"		
EFFICIENCY %	35%		
MEAN APD	0.14"		
GAS HEAT EXCHANGER			
CFM	3400		
FPM	-		
EAT/LAT	45.7/86.0		
INPUT/OUTPUT MBH	180.0/148.0		
STAGES	2		
DX COOLING COIL			
CFM	3400		
EAT DB/WB	75.2/62.4		
UNIT LAT DB/WB	54.4/52.4		
COND. EAT	92.0		
SENSIBLE/TOTAL MBH	76.4/97.3		
REFRIGERANT TYPE	R-454B		
COMPRESSOR			
TYPE	SCROLL		
QUANTITY	1		
UNLOADING %	0-100%		
ECONOMIZER	0-100%		
ELECTRICAL			
MCA/MOCP	19/20		
V-PH-CY	460/3/60		
STARTER	DIV. 15		
DISCONNECT	DIV. 15		
OPERATING WEIGHT (LBS)	954		
REMARKS	PROVIDE UNIT WITH DIFF. ENTHALPY ECONOMIZER, BAROMETRIC RELIEF, UNPOWERED CONVENIENCE OUTLET, NON-FUSED DISCONNECT, 2 SPEED FAN CONTROLLER, FAULT DETECTION AND DIAGNOSTIC CONTROLS, RETURN AIR SMOKE DETECTOR, CONDENSER COIL HAIL GUARDS & 14" FACTORY CURB		

HVAC CONTROLS

ROOFTOP UNIT, DX COOLING WITH GAS HEAT:

THERMOSTAT
HONEYWELL VISIONPRO 8000, OR APPROVED EQUAL, 7-DAY PROGRAMMABLE MULTI-STAGE HEATING/COOLING AUTOMATIC CHANGEOVER THERMOSTAT TO CONTROL THE OPERATION OF EACH UNIT. PROVIDE REMOTE SPACE TEMPERATURE SENSOR.

SEQUENCE OF OPERATION
COOLING CYCLE - OCCUPIED HOURS:
UPON A RISE IN SPACE TEMPERATURE ABOVE THE OCCUPIED COOLING SETPOINT OF THE THERMOSTAT, THE REFRIGERATION SYSTEM SHALL CYCLE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE THERMOSTAT SETPOINT. THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY AND THE OUTDOOR AIR DAMPER SHALL BE OPEN TO THE MINIMUM POSITION.

HEATING CYCLE - OCCUPIED HOURS:
UPON A DROP IN SPACE TEMPERATURE BELOW THE OCCUPIED HEATING SETPOINT OF THE THERMOSTAT, THE GAS BURNER SHALL CYCLE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE THERMOSTAT SETPOINT. THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY AND THE OUTDOOR AIR DAMPER SHALL BE OPEN TO THE MINIMUM POSITION.

COOLING CYCLE - UNOCCUPIED HOURS:
UPON A RISE IN SPACE TEMPERATURE ABOVE THE UNOCCUPIED COOLING SETPOINT OF THE THERMOSTAT, THE REFRIGERATION SYSTEM SHALL CYCLE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE THERMOSTAT SETPOINT. THE SUPPLY FAN SHALL CYCLE AS REQUIRED AND THE OUTDOOR AIR DAMPER SHALL BE CLOSED.

HEATING CYCLE - UNOCCUPIED HOURS:
UPON A DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED HEATING SETPOINT OF THE THERMOSTAT, THE GAS BURNER SHALL CYCLE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT THE THERMOSTAT SETPOINT. THE SUPPLY FAN SHALL CYCLE AS REQUIRED AND THE OUTDOOR AIR DAMPER SHALL BE CLOSED.

ECONOMIZER CYCLE:
WHEN, UPON A CALL FOR COOLING, THE OUTDOOR AIR ENTHALPY IS BELOW THE RETURN AIR ENTHALPY, THE REFRIGERATION SYSTEM OPERATION SHALL BE CONTROLLED BY THE ECONOMIZER. THE ECONOMIZER SHALL MODULATE THE OUTDOOR AIR AND RETURN AIR DAMPERS IN ORDER TO INTRODUCE UP TO 100% OUTDOOR AIR TO SATISFY THE COOLING LOAD IN THE SPACE. IF THE COOLING EFFECT OF THE OUTDOOR AIR IS NOT SUFFICIENT TO COOL THE SPACE, THE REFRIGERATION SYSTEM SHALL CYCLE AS REQUIRED TO SUPPLEMENT THE ECONOMIZER.

MECHANICAL SYMBOLS

EXISTING METAL DUCTWORK
NEW SHEET METAL DUCTWORK
DUCTWORK TRANSITION
DUCT BRANCH TAKE-OFF
ROUND SPIN-IN WITH DAMPER
DUCT ELBOW WITH FIXED TURNING VANES (TO BE USED ONLY WHERE ROUND TURNS AREN'T FEASIBLE)
REMOTELY ACCESSIBLE VOLUME DAMPER
T THERMOSTAT - MOUNT AT 4'-0"
S REMOTE TEMPERATURE SENSOR - MOUNT AT 4'-0"

FAN COIL UNIT
RETURN GRILLE
SUPPLY DIFFUSER
SUPPLY/ OUTSIDE AIR DROP
RETURN/ EXHAUST AIR RISER
CONNECT TO EXISTING
KEYED NOTE DESIGNATION
REVISION DESIGNATION
FD FIRE DAMPER
C CO2 SENSOR
D DUCT SMOKE DETECTOR

AFF	ABOVE FINISHED FLOOR
CFM	CUBIC FEET PER MINUTE
EF	EXHAUST FAN
EA	EXHAUST AIR
CD	CEILING DIFFUSER
SA	SUPPLY AIR
RA	RETURN AIR
RG	RETURN GRILLE
OA	OUTSIDE AIR
TYP	TYPICAL
MC	MECHANICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
LL	LANDLORD
GC	GENERAL CONTRACTOR

'X'|XX"ø / XXX — DIFFUSER TYPE | NECK SIZE / AIRFLOW

GRILLE AND DIFFUSER SCHEDULE

5 M200 6 M200

TYPE	A	B	C	D	E	
ITEM	SUPPLY	RETURN	SUPPLY	SUPPLY	TRANSFER/RETURN	
DESCRIPTION	SURFACE MOUNT	SURFACE MOUNT	SURFACE MOUNT	DUCT MOUNT	WALL MOUNT	
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS	
MODEL NUMBER	OMNI-AA	350RL	OMNI-AA	TMRA	350FL	
REMARKS	STD. WHITE FINISH 24"X24" WITH "LAY-IN" TRIM FRAME & OBD.	STD. WHITE FINISH WITH "LAY-IN" TRIM FRAME SIZE SHOWN ON PLANS	STD. WHITE FINISH 12"X12" WITH "LAY-IN" TRIM FRAME & OBD.	STD. WHITE FINISH W/OPPOSED BLADE DAMPER	STD. WHITE FINISH	

EXHAUST FAN SCHED.

EF #

UNIT TAG	EF-1	
AREA SERVED	RESTROOM	
MANUFACTURER	GREENHECK	
MODEL NUMBER	SP-B110	
DRIVE (BELT, DIRECT)	DIRECT	
FAN DATA		
CFM	95	
ESP	0.5"	
RPM	950	
HP	80 WATTS	
ELECTRICAL		
V-PH-CY	115/1/60	
STARTER	-	
DISCONNECT	DIV. 16	
WEIGHT (LBS)	15	
REMARKS	CONTROLLED BY LIGHT SWITCH	

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DRAWN BY: SPW CHECKED BY: TMS

HEI PROJECT NUMBER: R25-5273.000

PROJECT PHASE: CD

ISSUE / DATE :

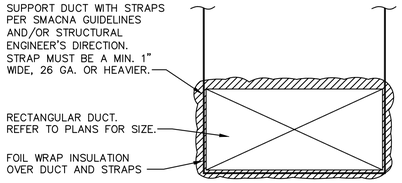
CHECK SET	10.10.2025
PERMIT SET	10.31.2025

SHEET TITLE :
MECHANICAL SCHEDULES

SHEET NO.:

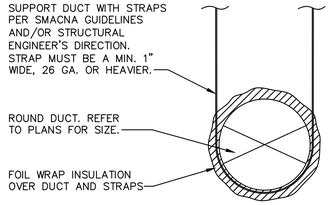
M101

10/10/2023 11:01:40 AM



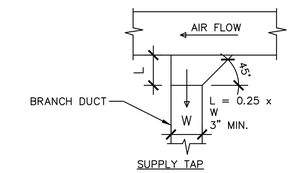
NOTE:
DUCT WRAP INSULATION IS TO BE PROVIDED FOR ABOVE CONCEALED CEILING ONLY.
EXPOSED & RETURN AIR DUCTWORK SHALL HAVE 1" THICK DUCT LINING.

1 RECTANGULAR DUCT SUPPORT DETAIL - CONCEALED
NO SCALE

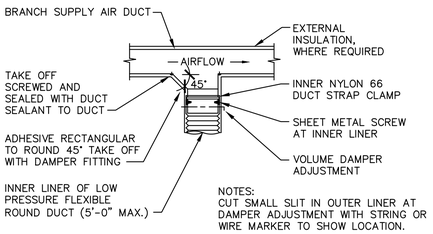


NOTE:
DUCT WRAP INSULATION IS TO BE PROVIDED FOR ABOVE CONCEALED CEILING ONLY.
EXPOSED & RETURN AIR DUCTWORK SHALL HAVE 1" THICK DUCT LINING.

2 ROUND DUCT SUPPORT DETAIL - CONCEALED
NO SCALE



3 DUCTWORK DETAIL
NO SCALE



4 SUPPLY AIR FLEX DUCT DETAIL
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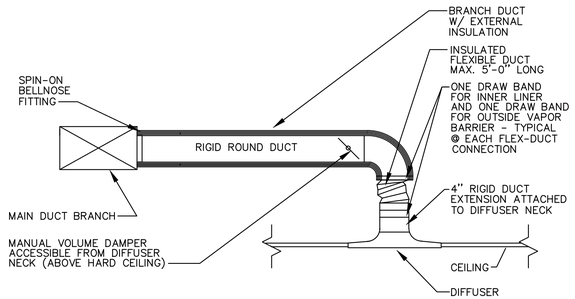
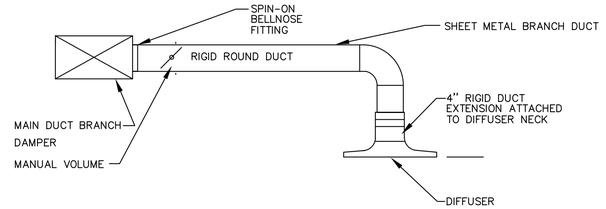


5 TYP. DIFFUSER/DUCT CONNECTIONS
NO SCALE — SURFACE MOUNT DIFFUSER



6 TYP. BOH DIFFUSER/DUCT CONNECTIONS
NO SCALE — DUCT MOUNT DIFFUSER

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free people

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STATE OF NEW YORK — LUKE A KUSE — 102706 — LICENSED PROFESSIONAL ENGINEER

10/31/2025

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MECHANICAL SPECIFICATIONS

15000 GENERAL PROVISIONS

0.01 DEFINITIONS: THE TERMS LISTED BELOW ARE DEFINED AS FOLLOWS WHEN USED IN DIVISION 15 WORK AND ONLY DIVISION 15 WORK.
- A. WORK: LABOR AND MATERIALS OF THE CONTRACTOR AND/OR SUBCONTRACTOR.
- B. FURNISH: OBTAIN, COORDINATE, SUBMIT THE NECESSARY DRAWINGS, DELIVER TO THE JOBSITE IN NEW CONDITION AND GUARANTEE.
- C. INSTALL: RECEIVE AT THE JOB-SITE, UNLOAD, STORE, SET IN PLACE, CONNECT, PLACE IN OPERATION AND GUARANTEE.
- D. PROVIDE: FURNISH AND INSTALL.
- E. CONNECT: BRING SERVICE TO THE EQUIPMENT AND MAKE FINAL ATTACHMENTS INCLUDING NECESSARY PIPE FITTINGS, DUCTWORK, TRANSITIONS, ETC.
- F. CONCEALED: HIDDEN FROM SIGHT IN CHASES, FURRED SPACES, SHAFTS, ABOVE CEILING, EMBEDDED IN CONSTRUCTION, IN CRAWL SPACES OR BURIED.
- G. EXPOSED: NOT INSTALLED UNDERGROUND OR CONCEALED AS DEFINED ABOVE.
- H. REMOVE: REMOVE ALL EQUIPMENT AND MATERIALS NOT BEING RE-USED. DISPOSE OF OFF-SITE IN A LEGAL AND ENVIRONMENTALLY CONCIOUS MANNER.

0.02 PERFORMANCE: MECHANICAL CONTRACTOR SHALL PERFORM ALL WORK SPECIFIED, INDICATED AND REQUIRED UNLESS OTHERWISE NOTED, INCLUDING FINAL CONNECTIONS, IN A WORKMANLIKE MANNER USING WORKERS SKILLED AND EXPERIENCED IN THE TRADE.

0.03 SITE EXAMINATION: EXAMINE SITE BEFORE BIDDING. CLAIM NO EXTRAS RESULTING FROM LACK OF KNOWLEDGE OF SITE CONDITIONS. IF SITE CONDITIONS REQUIRE MODIFICATION OF THE SYSTEMS INDICATED IN THESE DOCUMENTS, SO ADVISE ENGINEER, AND IF ACCEPTED BY ENGINEER, INCLUDE COST OF SUCH MODIFICATIONS IN BID.

0.04 JOBSITE CONDITIONS: ACCEPT SOLE AND COMPLETE RESPONSIBILITY FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK.

0.05 FULL FUNCTION: PROVIDE ALL MINOR ITEMS NECESSARY FOR A COMPLETE AND FULLY FUNCTIONAL INSTALLATION.

0.06 ADMINISTRATION: PROVIDE EVIDENCE OF LICENSING, BONDING, AND INSURANCE, AND PERFORM OTHER ADMINISTRATIVE FUNCTIONS, AS REQUIRED.

0.07 PERMITS: PROCURE AND PAY FOR ALL REQUIRED PERMITS AND SERVICE CHARGES.

0.08 UTILITY SERVICES: ARRANGE FOR ALL REQUIRED UTILITY SERVICES AND PAY ALL UTILITY SERVICE FEES.

0.09 COORDINATION: CONFORM TO GENERAL CONSTRUCTION CONTRACT DOCUMENTS EXCEPT AS MODIFIED HEREIN. REFER ALSO TO STRUCTURAL AND ELECTRICAL CONTRACT DOCUMENTS. COORDINATE ALL WORK WITH OTHER TRADES.

0.10 CUTTING AND PATCHING: CUT AND PATCH AS REQUIRED. CUT OR WELD STRUCTURAL MEMBERS ONLY WITH APPROVAL OF STRUCTURAL ENGINEER. PATCHING SUBJECT TO APPROVAL BY ARCHITECT.

0.11EXISTING FLOORS: TRENCH OR CORE BORE EXISTING FLOORS PER LANDLORD REQUIREMENTS.

0.12 ROOF PENETRATIONS: ALL ROOFING WORK SHALL BE PERFORMED BY LANDLORD-APPROVED ROOFING CONTRACTOR AT THIS CONTRACTOR'S COST. COORDINATE WITH LANDLORD.

0.13 EQUIPMENT SUBSTITUTIONS: REIMBURSE ELECTRICAL CONTRACTOR, AT NO CHARGE TO TENANT, FOR HIS COSTS INCURRED DUE TO SUBSTITUTION OF MECHANICAL EQUIPMENT HAVING ELECTRICAL REQUIREMENTS DIFFERING FROM THOSE INDICATED.

0.14 ADJUSTMENTS: MAKE MINOR ADJUSTMENTS TO WORK WHERE REQUESTED BY TENANT, WHEN SUCH ADJUSTMENTS ARE NECESSARY TO PROPER OPERATION AND WITHIN THE INTENT OF THE CONTRACT.

0.15 REFERENCE STANDARDS: COMPLY WITH APPLICABLE STANDARDS OF NFPA, ANSI, UL, ASHRAE, AND SMACNA, EXCEPT AS SUPERSEDED BY LOCAL AUTHORITY. CONFORM WITH CONTRACT DOCUMENTS WHERE THEY EXCEED CODE MINIMUM REQUIREMENTS.

0.16 LOCAL REQUIREMENTS: COMPLY WITH THE REQUIREMENTS OF APPLICABLE CODES, LANDLORD, SERVING UTILITIES, AND THE LOCAL AUTHORITY HAVING JURISDICTION. SECURE APPROVAL OF INSTALLATION BY LANDLORD, LOCAL AUTHORITY, AND OTHERS AS REQUIRED.

0.17 MATERIALS AND EQUIPMENT: PROVIDE NEW, UL LISTED, COMMERCIAL GRADE MATERIALS, DEVICES, EQUIPMENT, AND FIXTURES, SUITABLE FOR ENVIRONMENT. REUSE EXISTING ONLY WHEN COMPLIANT WITH THE CONTRACT DOCUMENTS, IN GOOD CONDITION, AND APPROVED BY THE ENGINEER.

0.18 SHOP DRAWINGS: BEFORE ORDERING EQUIPMENT AND MATERIALS, SUBMIT NOT LESS THAN FIVE CERTIFIED COPIES OF ALL SHOP AND EQUIPMENT DRAWINGS FOR ENGINEER'S REVIEW, WHO WILL RETAIN TWO COPIES. ONLY FURNISH SYSTEMS AND EQUIPMENT IN COMPLIANCE WITH ACCEPTED SHOP DRAWINGS.

0.19 INSTALLATION: INSTALL ALL MATERIALS, EQUIPMENT AND SYSTEMS IN FULL ACCORD WITH MANUFACTURER'S INSTRUCTIONS.

0.20 LAYOUT: INSTALL ALL PIPING AND DUCTWORK TO PRESENT A NEAT AND ORDERLY APPEARANCE. RUN ALL LINES PARALLEL WITH BUILDING CONSTRUCTION. MAINTAIN HEADROOM AND EQUIPMENT CLEARANCE, AND GRADIENT WHERE REQUIRED. ALLOW FOR EXPANSION AND CONTRACTION.

0.21 ACCESS DOORS: PROVIDE ACCESS DOORS OR PANELS FOR ALL VALVES, CLEANOUTS, DAMPERS, CONTROLS, DEVICES, AND OTHER ITEMS REQUIRING INSPECTION OR MAINTENANCE. ACCESS PANELS SERVING HVAC COMPONENTS SHALL BE 12-INCHES BY 12-INCHES MINIMUM OR LARGER TO PROVIDE SUFFICIENT WORKING CLEARANCE FOR COMPONENT BEING ACCESSED.

0.22 COMMISSIONING: THOROUGHLY TEST AND DEMONSTRATE PROPER OPERATION OF ALL SYSTEMS AND EQUIPMENT FURNISHED OR INSTALLED UNDER THIS CONTRACT.

0.23 RECORD DRAWINGS: PREPARE AND SUBMIT TO GENERAL CONTRACTOR RECORD DRAWINGS SHOWING ALL SIGNIFICANT DEVIATIONS FROM CONSTRUCTION DOCUMENTS. INCLUDE MANUFACTURER AND MODEL NUMBERS FOR ALL EQUIPMENT INSTALLED.

0.24 O & M MANUALS: AN OPERATION AND MAINTENANCE MANUAL SHALL BE PROVIDED TO THE BUILDING OWNER OR OPERATOR. THE MANUAL SHALL INCLUDE BASIC DATA RELATING TO THE OPERATION AND MAINTENANCE OF HVAC SYSTEMS AND EQUIPMENT. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED. WHERE APPLICABLE, HVAC CONTROLS INFORMATION SUCH AS DIAGRAMS, SCHEMATICS, CONTROL SEQUENCE DESCRIPTIONS, AND MAINTENANCE AND CALIBRATION INFORMATION SHALL BE INCLUDED.

0.25 WARRANTY: UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIALS AND WORKMANSHIP FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE, EXCEPT WARRANT AIR CONDITIONING COMPRESSORS FOR FIVE YEARS AND GAS-FIRED HEAT EXCHANGERS FOR 10 YEARS. DURING WARRANTY PERIOD, REPAIR OR REPLACE DEFECTIVE MATERIALS, EQUIPMENT OR WORKMANSHIP WITHOUT COST TO TENANT.

0.26 EQUIPMENT IDENTIFICATION: IDENTIFY ALL APPLICABLE ROOFTOP EQUIPMENT WITH TENANT'S NAME, SPACE NUMBER AND UNIT NUMBER, USING 2" HIGH PAINTED CHARACTERS OR STAMPED METAL TAG. LABEL INDOOR EQUIPMENT WITH UNIT NUMBER IN LIKE MANNER.

0.27 DRAWINGS ARE DIAGRAMMATIC: VERIFY ALL DIMENSIONS AND LENGTHS, AND ADJUST EQUIPMENT, PIPE AND DUCT LOCATIONS TO AVOID CONFLICTS WITH OTHER CONSTRUCTION AND TRADES.

0.28 DOCUMENT PRIORITY: DRAWING INDICATIONS AND NOTATIONS SUPERSEDE THESE SPECIFICATIONS.

0.29 RATINGS: REFER TO DRAWINGS AND SCHEDULES FOR ADDITIONAL RATINGS AND REQUIREMENTS.

0.30 PROJECT REQUIREMENTS: REFER TO DRAWINGS FOR PARTICULAR PROJECT REQUIREMENTS, AS NOT ALL ITEMS INCLUDED IN THESE SPECIFICATIONS MAY BE REQUIRED FOR THIS PROJECT.

0.31 DOCUMENT ERRORS: NOTIFY THE ENGINEER OF ANY ERRORS, DISCREPANCIES OR OMISSIONS BEFORE CONSTRUCTION OR FABRICATION OF AFFECTED WORK, OR, FAILING SUCH NOTICE, BE RESPONSIBLE FOR CORRECTING SAME WITHOUT COST TO TENANT, ARCHITECT OR ENGINEER.

15050 DEMOLITION

0.51 FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR CUTTING, DEMOLITION, REMOVAL, PATCHING, AND RESTORATION WORK NECESSARY TO ACCOMPLISH AND COMPLETE ALL DEMOLITION, INCLUDING ANY RELOCATION OR REUSE OF EXISTING MATERIALS, EQUIPMENT AND SYSTEMS. DO NOT ABADON IN PLACE. DISPOSE OF ALL REMOVED MATERIALS AND DEBRIS IN LEGAL MANNER.

0.52 ACCOMPLISH ALL WORK OF CUTTING, REMOVAL, DEMOLITION, RELOCATION, PATCHING, AND RESTORATION BY USING ONLY MECHANICS SKILLED IN THE TRADE REQUIRED. PROVIDE FOR THE SAFETY OF THE EXISTING BUILDING AND PERSONNEL, AS WELL AS FOR NEW CONSTRUCTION AS A RESULT OF WORK, PROCEDURES, OPERATIONS OR ACTIVITIES UNDER THIS CONTRACT.

0.53 WHERE REMOVAL, DEMOLITION, CUTTING AND SIMILAR WORK INVOLVES STRUCTURAL CONSIDERATIONS, CONSULT WITH STRUCTURAL ENGINEER. EXERCISE EXTREME CARE TO AVOID DAMAGE, AND PRESERVE THE SAFETY OF THE STRUCTURE AND ALL PERSONNEL. PARTICULAR CARE SHALL BE TAKEN WHERE THE DEMOLITION OR REMOVALS OCCUR ADJACENT TO OCCUPIED AREAS.

0.54 UTILIZE COMPETENT AND QUALIFIED TECHNICAL ASSISTANCE TO DEVELOP SAFE METHODS AND TECHNIQUES TO ACCOMPLISH THE WORK, INCLUDING TEMPORARY SHORING AND SUPPORTS, METHODS OF REMOVAL AND OTHER CONSIDERATIONS. DESIGN AND PLACE ALL PERMANENT OR TEMPORARY SUPPORTS TO CARRY ALL LOADS DOWN TO SOUND BEARING.

15100 BASIC MATERIALS AND METHODS

1.10PIPE HANGERS AND SUPPORTS: PROPERLY SUPPORT ALL PIPING FROM JOISTS (TOP CHORD) OR OTHER STRUCTURAL MEMBERS. FOR PIPES UP TO 4" O.D., USE GRINNELL FIG. 260 CLEVIS HANGERS WITH 3/8" ROD, OR FIG. 195 BRACKETS.

1.20 INSULATION SHIELDS: PROVIDE 18 GAUGE X 12" LONG GALVANIZED INSULATION SHIELDS AT SUPPORT POINTS FOR INSULATED PIPES.

1.30 PIPE SUPPORT SPACING: SUPPORT PIPE NOT LESS THAN 6 FT. ON CENTER FOR COPPER PIPE UP TO 2" O.D., OR NOT LESS THAN 10 FT. ON CENTER FOR STEEL PIPE UP TO 4" O.D.

1.40 COPPER CONTACT: PROVIDE COPPER PLATED HANGERS AND SUPPORTS WHERE IN CONTACT WITH COPPER PIPE.

1.50 PIPE SLEEVES: SLEEVE ALL HORIZONTAL PIPING WHICH PENETRATES WALLS WITH STANDARD WEIGHT STEEL PIPE OF 1" GREATER DIAMETER THAN PIPE OR INSULATION O.D. CUT SLEEVE FLUSH WITH WALL. FINISH BOTH SIDES.

1.60 SEALANT: SEAL PIPE SLEEVES WITH ROPE AND EXPANDO NON-SHRINK SEALANT. FIRE/SMOKE SEAL PENETRATIONS OF RATED CONSTRUCTION TO MAINTAIN RATING.

1.70 WALL PLATES: FIT UNCOVERED PIPE PASSING THROUGH WALLS WITH WALL PLATES, CRANE NO. 10 OR EQUAL.

15200 THERMAL AND ACOUSTIC INSULATION

2.10 VIBRATION ISOLATION: PROVIDE EFFECTIVE VIBRATION ISOLATION DEVICES, AND FLEXIBLE CONNECTIONS, FOR ALL MOVING MACHINERY. PROVIDE DEVICES IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE ASHRAE HANDBOOK, <u>HVAC APPLICATIONS</u> (LATEST EDITION), CHAPTER "SOUND AND VIBRATION CONTROL".

2.20 NOISE TRANSMISSION: INSTALL PIPING AND DUCTWORK FREE FROM CONTACT WITH STRUCTURE OR EQUIPMENT TO PREVENT NOISE TRANSMISSION.

2.30 INSULATION REQUIREMENTS: INSULATE SYSTEMS AS SPECIFIED ONLY AFTER THEY HAVE BEEN TESTED AND INSPECTED. CLEAN ALL SURFACES THOROUGHLY OF MOISTURE, FOREIGN MATERIAL, GREASE, AND RUST. INSTALL INSULATION CONTINUOUS THROUGH WALL AND FLOOR PENETRATIONS.

2.31 EXISTING SYSTEMS BEING RE-USED: INSULATE EXISTING PIPE AND DUCT SYSTEMS BEING RE-USED SAME AS SPECIFIED FOR NEW SYSTEMS. REPAIR/REPLACE EXISTING INSULATION TO LIKE-NEW CONDITION AS REQUIRED.

2.32 INSULATION HAZARDS: USE ONLY INSULATION, JACKETS, ADHESIVES, SEALERS, AND COATINGS WITH FIRE HAZARD RATING NOT TO EXCEED 25/50/50 FLAME SPREAD, FUEL CONTRIBUTED, AND SMOKE DEVELOPED, IN ACCORDANCE WITH UL 723 AND ASTM E84.

2.33 INSULATED PLUMBING SYSTEMS: INSULATE HOT AND COLD WATER PIPING WITH 1" THICK CLOSED CELL, SELF SEALING FLEXIBLE TUBING, ARMAFLEX 2000 OR EQUAL.

2.34 INSULATED HVAC PIPING SYSTEMS: INSULATE REFRIGERANT SUCTION PIPING AND COOLING COIL CONDENSATE PIPING WITH 3/4" THICK CLOSED CELL FOAM INSULATION, ARMAFLEX 2000 OR EQUAL. INSULATE HVAC HOT AND CHILLED WATER PIPING SYSTEMS, LOW PRESSURE STEAM PIPING AND STEAM CONDENSATE PIPING WITH 1-1/2" THICK HEAVY DENSITY FIBERGLASS PIPE INSULATION HAVING A FACTORY-APPLIED ALL-SERVICE JACKET WITH DOUBLE SELF-SEALING LAP, OWENS-CORNING FIBERGLASS ASJ/SSL-II, OR EQUAL.

2.35 ACOUSTICALLY LINED SUPPLY AND RETURN DUCT: UNLESS OTHERWISE INDICATED ON THE PLANS, LINE SUPPLY AND RETURN DUCTWORK WITHIN 10-FEET OF THE DISCHARGE AND INTAKE OF AIR MOVING EQUIPMENT WITH 1" THICK GLASS FIBER ACOUSTICAL DUCT LINER BOARD, OWENS-CORNING, OR EQUAL. INCREASE DUCT SIZE INDICATED ON PLANS 2" EACH DIMENSION TO ACCOMMODATE DUCT LINER. MATERIAL SHALL BE RATED FOR 4,000 FPM AIR VELOCITY AND SHALL HAVE A MOLD-, HUMIDITY-, AND CORROSION-RESISTANT SURFACE THAT MEETS THE REQUIREMENTS OF UL 181.

2.36 EXTERNALLY INSULATED SUPPLY AND RETURN DUCT: INSULATE SHEET METAL DUCTWORK WITH 1-1/2" THICK FIBERGLASS INSULATION WITH AN INTEGRAL VAPOR BARRIER FACING, OWENS-CORNING, OR EQUAL. INSULATION INSTALLED ON DUCTWORK WITHIN THE CONDITIONED SPACE OR RETURN AIR PLENUM SHALL HAVE MINIMUM R=6 HR-SQ.FT.-DEG. F/BTU-IN. THERMAL RESISTANCE. INSULATION INSTALLED ON EXTERIOR DUCTWORK SHALL HAVE MINIMUM R=8.0 HR-SQ.FT.-DEG. F/BTU-IN. THERMAL RESISTANCE. PORTIONS OF DUCTWORK WHICH ARE INTERNALLY LINED SHALL ALSO BE EXTERNALLY INMSULATED. EXTERNAL INSULATION INSTALLED ABOVE CEILINGS OR OTHERWISE OUT OF VIEW SHALL BE BLANKET TYPE. EXPOSED INSULATION SHALL BE RIGID TYPE. DO NOT INSULATE SUPPLY AIR DUCTWORK IN CONDITIONED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS (RETURN AIR PLENUMS ARE NOT CONSIDERED CONDITIONED SPACES). RETURN AIR DUCTWORK INSTALLED IN A RETURN AIR PLENUM NEED NOT BE EXTERNALLY INSULATED. EXTERIOR DUCTWORK AND INSULATION SHALL BE PROTECTED WITH A WEATHER-PROOF JACKET.

2.37 INSULATED OUTDOOR AIR AND EXHAUST DUCTWORK: EXTERNALLY INSULATE ALL OUTDOOR AIR DUCTWORK AND EXHAUIST DUCTWORK WITHIN 10-FEET OF THE BUILDING ENVELOPE PENETRATION WITH 2" THICK GLASS FIBER INSULATION WITH KRAFT FOIL VAPOR BARRIER, MINIMUM R=8.0 HR-SQ.FT.-DEG. F/BTU-IN. THERMAL RESISTANCE, OWENS-CORNING, OR EQUAL.

2.40 INSULATED FLEXIBLE DUCT: GENERAL ENVIRONMENTAL CORPORATION TYPE G30A OR EQUAL, 5'-0" MAXIMUM LENGTH WITH A MINIMUM ELBOW RADIUS OF 1.5 X D AND A MINIMUM R = 5 HR SQ. FT.- DEG. F/BTU-IN. THERMAL RESISTANCE. USE ONLY FOR FINAL CONNECTIONS TO CEILING DIFFUSERS. DO NOT USE FOR VAV BOX INLET CONNECTIONS.

15300 FIRE PROTECTION

3.10 WORK INCLUDED: CONTRACTOR SHALL DESIGN, FURNISH, FABRICATE AND INSTALL A COMPLETE NEW OR MODIFIED FIRE PROTECTION SYSTEM THROUGHOUT THE ENTIRE SPACE. PROVIDE AN ENGINEERED AND HYDRAULICALLY CALCULATED DESIGN, UNLESS OTHERWISE REQUIRED BY THE LANDLORD OR THE AUTHORITY HAVING JURISDICTION, AND SECURE ALL NECESSARY APPROVALS.

3.15 INCLUDED ARE AUTOMATIC SPRINKLER SYSTEMS COMPLETE WITH PIPING, VALVES, HANGERS AND SUPPORTS, SPRINKLER HEADS, FLOW SWITCHES, SLEEVES, APPURTENANCES AND ACCESSORIES FOR A COMPLETE, OPERABLE AND APPROVED FIRE PROTECTION SYSTEM.

3.20 CODES AND STANDARDS: COMPLY WITH NFPA 13, OTHER APPLICABLE NFPA STANDARDS, ALL PERTINENT REQUIREMENTS OF FACTORY MUTUAL INSURANCE COMPANY, THE OWNER'S INSURANCE COMPANY, AND ALL LOCAL AND STATE CODES AND ORDINANCES, AND THE FIRE MARSHALL HAVING JURISDICTION.

3.40 SHOP DRAWINGS: PRIOR TO ANY MATERIALS BEING DELIVERED TO JOBSITE, SUBMIT COMPLETE SPRINKLER SYSTEM SHOP DRAWINGS AND HYDRAULIC CALCULATIONS TO LANDLORD'S REPRESENTATIVE AND AUTHORITY HAVING JURISDICTION. DO NOT BEGIN INSTALLATION OF SYSTEM UNTIL APPROVALS FROM BOTH PARTIES HAVE BEEN OBTAINED.

3.60 SPRINKLER HEADS: UNLESS NOTED OTHERWISE ON DRAWINGS, SPRINKLER HEADS SHALL BE AS FOLLOWS:
- A. AREAS WITH FINISHED CEILING - FRONT-OF-HOUSE: FULLY CONCEALED TYPE WITH COVERPLATE FACTORY-PAINTED TO MATCH CEILING COLOR.
- B. AREAS WITH FINISHED CEILING - BACK-OF-HOUSE: SEMI-RECESSED PENDANT TYPE WITH ESCUTCHEON PLATE, POLISHED CHROME FINISH.
- C. AREAS WITH NO FINISHED CEILING: STANDARD UPRIGHT TYPE, BRASS FINISH.

3.70 INSTALLATION: SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS, AND FLUSHED IN ACCORDANCE WITH NFPA STANDARDS.

3.80 TESTING: UPON COMPLETION OF INSTALLATION, TEST AND RE-TEST THE COMPLETE SYSTEM, MAKE ALL REQUIRED ADJUSTMENTS, AND SECURE APPROVAL OF LANDLORD AND AUTHORITY HAVING JURISDICTION.

15400 PLUMBING

15500 HVAC PIPING AND SPECIALTIES

5.65 MISCELLANEOUS DRAIN LINES, RECEIVING COOLING COIL CONDENSATE, DRIP FOR HUMIDIFIERS, ETC.: TYPE "DWV" COPPER, WITH WROUGHT COPPER FITTINGS AND SOLDERED JOINTS.

15600 HVAC EQUIPMENT

6.10 GENERAL
- A. FURNISH AND INSTALL HVAC EQUIPMENT AS SCHEDULED ON DRAWINGS, OR APPROVED EQUAL.
- B. ALL EQUIPMENT SHALL BE NEW, OF COMMERCIAL QUALITY, AND MANUFATURED BY AN APPROVED, NATIONALLY RECOGNIZED MANUFACTURER AS SCHEDULED ON DRAWINGS.
- C. ALL EQUIPMENT SHALL BE UL LISTED, AND CERTIFIED BY ARI, AMCA, OR OTHER APPLICABLE INDUSTRY STANDARD ORGANIZATION.
- D. INSTALLATION:
  1. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
  2. MAINTAIN SERVICE CLEARANCES RECOMMENDED BY MANUFACTURER.
  3. ALL EQUIPMENT SHALL BE SUPPORTED WITH VIBRATION ISOLATORS.
  4. ALL ROOF-MOUTED EQUIPMENT SHALL BE SUPPORTED WITH FACTORY-FABRICATED FULL PERIMETER CURBS, UNLESS NOTED OTHERWISE. ALL SUPPORTS FOR ROOF-MOUNTED EQUIPMENT SHALL BE FLSHED INTO THE ROOF SYSTEM.
  5. CHANGE FILTERS ON ALL HVAC EQUIPMENT PRIOR TO TURN-OVER TO TENANT.

6.20 EXISTING EQUIPMENT BEING RE-USED SHALL BE CLEANED AND REFURBISHED AS NOTED ON DRAWINGS.

15800 DUCTWORK AND APPURTENANCES

8.10 SHEET METAL DUCTWORK:
- A. FABRICATE AND INSTALL AS RECOMMENDED IN LATEST EDITIONS OF <u>SMACNA HVAC DUCT CONSTRUCTION STANDARDS--METAL AND FLEXIBLE</u> AND THE <u>ASHRAE GUIDE AND DATA BOOK</u> FOR SHEET METAL DUCTWORK SERVING SUPPLY, RETURN AND EXHAUST SYSTEMS OPERATING BETWEEN -2.0 IN.-W.G. AND +2.0 IN.-W.G. MAXIMUM PRESSURE. INSTALL WHERE INDICATED ON THE PLANS. DUCT SIZES SHOWN ON THE DRAWINGS ARE NOMINAL INSIDE CLEAR DIMENSIONS. WHERE INTERNAL INSULATION IS PROVIDED, DUCT SIZES SHALL BE INCREASED APPROPRIATELY TO MAINTAIN THE INDICATED CLEAR INSIDE DIMENSIONS. ASSEMBLE AND INSTALL DUCTWORK IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICE FOR ACHIEVING AIR TIGHT (5% LEAKAGE) AND NOISELESS (NO OBJECTIONABLE NOISE) SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE. FURNISH AND INSTALL ALL REQUIRED DAMPERS, TRANSITIONS, CONNECTIONS TO AIR TERMINALS, AND OTHER ACCESSORIES NECESSARY FOR A COMPLETEAND PROPERLY OPERATING SYSTEM.
- B. FABRICATE DUCTWORK FROM GALVANIZED SHEET STEEL COMPLYING WITH ANSI/ASTM A-527, LOCKFORMING QUALITY, WITH ANSI/ASTM A-525 G90 ZINC COATING; MILL PHOSPHATIZED FOR EXPOSED LOCATIONS. MINIMUM SHEET THICKNESS AND REINFORCING SHALL BE AS FOLLOWS:
  DUCTS UP TO 12" WIDEST DIMENSION OR DIAMETER: 26 GAUGE.
  DUCTS 13" TO 24" WIDEST DIMENSION: 24 GAUGE.
  DUCTS 25" TO 42" WIDEST DIMENSION: 22 GAUGE.
  DUCTS 43" TO 84" WIDEST DIMENSION: 20 GAUGE.
- C. DUCT SEALANT: UNITED DUCT SEALER, OR EQUAL.
- D. SUPPORT MATERIALS: EXCEPT AS OTHERWISE INDICATED, PROVIDE HOT-DIPPED GALVANIZED STEEL FASTENERS, ANCHORS, RODS STRAPS, TRIM AND ANGLES FOR SUPPORT OF DUCTWORK.
- E. ANY SUPPLY DUCTWORK AND PLENUMS THAT ARE DESIGNED TO OPERATE AT STATIC PRESSURE FROM 0.25 INCHES TO 2 INCHES WATER COLUMN INCLUSIVE WHICH ARE LOCATED OUTSIDE OF THE CONDITIONED SPACE OR IN RETURN PLENUMS SHALL HAVE JOINTS SEALED IN ACCORDANCE WITH SEAL CLASS C AS DEFINED IN THE SMACNA HVAC DUCT LEAKAGE TEST MANUAL. PRESSURE SENSITIVE TAPE SHALL NOT BE USED AS THE PRIMARY SEALANT WHERE SUCH DUCTS ARE DESIGNED TO OPERATE AT STATIC PRESSURES OF 1 INCH WATER COLUMN OR GREATER.
- F. EXPOSED DUCTWORK: EXPOSED DUCTWORK SHALL HAVE A PAINTABLE FINISH ON THE EXTERIOR SURFACE.

8.20 DUCTWORK ACCESSORIES:
- A. BALANCING DAMPERS: AIR BALANCE, INC., LOUVERS & DAMPERS, INC., RUSKIN OR EQUAL. PROVIDE MANUAL, SINGLE OR MULTIBLADE DAMPERS, AS INDICATED AND AS CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS.
- B. DAMPERS SHALL HAVE RIGID 2" X ½" X 10 GAUGE CHANNEL FRAMES, BALL OR BRONZE SLEEVE BEARINGS, ½" POLISHED STEEL AXLES, 16-GAUGE, REINFORCED, FELT-EDGED BLADES (NOT OVER 8" WIDE) AND STOP FRAMES AROUND THE ENTIRE PERIMETER. VOLUME DAMPERS IN DUCTS LARGER THAN 12" X 6" SHALL BE THE OPPOSED BLADE TYPE. DAMPERS IN ROUND DUCTS AND DUCTS 12" X 6" AND SMALLER SHALL BE BUTTERFLY TYPE. ROUND BUTTERFLY TYPE VOLUME DAMPERS SHALL BE 30 GAUGE, GALVANIZED STEEL THROUGH 12" DIAMETER; 28 GAUGE FOR ABOVE 12".
- C. ALL DAMPERS SHALL BE EQUIPPED WITH STANDARD QUADRANTS OF SUITABLE SIZE IN EQUIPMENT ROOMS/AREAS AND YOUNG #301A, OR EQUAL, RECESSED-TYPE IN FINISHED AREAS. PROVIDE QUADRANT LOCKING DEVICE FOR EACH DAMPER ON ONE END OF THE SHAFT AND AN END BEARING PLATE ON THE OTHER END FOR DAMPER LENGTHS OVER 12". PROVIDE EXTENDED QUADRANT LOCKS AND EXTENDED BEARING PLATES FOR EXTERNALLY INSULATED DUCTWORK. APPROVED MANUFACTURERS ARE VENTFABRICS, AND YOUNG REGULATOR CO.
- D. DAMPERS SHALL BE COATED WITH RED ZINC CHROMATE PRIMER OVER A BOND COAT.
- E. VOLUME DAMPERS, SPLITTERS AND DEFLECTORS SHALL BE PROVIDED IN ALL DUCTS TO PERMIT ACCURATE BALANCING OF THE SYSTEM. THE DAMPERS, SPLITTERS AND DEFLECTORS SHALL BE ADJUSTED TO SATISFY THE HEATING AND VENTILATING REQUIREMENTS OF THE CONDITIONED SPACE AND LOCKED IN PLACE.
- F. WHERE SHOWN ON DRAWINGS AND IN CASES OF INACCESSIBLE VOLUME DAMPERS, PROVIDE REMOTELY ADJUSTABLE VOLUME DAMPERS, YOUNG REGULATOR, OR EQUAL.

8.25 EXISTING DUCTWORK: EXISTING DUCTWORK BEING RE-USED SHALL BE THOROUGHLY CLEANED. DO NOT RE-USE LINED DUCTWORK.

8.40 AIR OUTLETS AND INLETS: FURNISH AND INSTALL AIR TERMINALS AS SCHEDULED ON DRAWINGS, OR APPROVED EQUAL. THE CONTRACTOR SHALL PROVIDE MISCELLANEOUS ITEMS AS NECESSARY FOR A COMPLETE AND PROPER INSTALLATION IN THE TYPES OF WALLS AND CEILINGS USED ON THE PROJECT. THIS SHALL INCLUDE SUCH ITEMS AS FASTENERS, PLASTER RINGS, SUPPORTS, ETC.

8.50 DUCT ACCESS PANELS: PROVIDE DUCT ACCESS PANELS AT EACH FIRE DAMPER SIZED TO PERMIT MAINTENANCE AND RESETTING OF THE DAMPER. PANELS SHALL BE CONSTRUCTED OF THE SAME OR GREATER GAUGE AS DUCTWORK SERVED. PROVIDE INSULATED DOORS FOR INSULATED DUCTWORK. PROVIDE FLUSH FRAMES FOR UNINSULATED DUCTWORK AND EXTENDED FRAMES FOR EXTERNALLY INSULATED DUCTWORK. PROVIDE REMOVABLE DOORS FOR SIZES UP THROUGH 18" (LARGEST DIMENSION) AND HINGED, TWO-HANDLE TYPE LATCHES FOR LARGER DOORS.

8.60 FLEXIBLE CONNECTIONS: PROVIDE FLEXIBLE DUCT CONNECTIONS WHEREVER DUCTWORK CONNECTS TO VIBRATION ISOLATED EQUIPMENT AND WHERE SHOWN OR NOTED. MAKE AIR-TIGHT JOINTS. PROVIDE ADEQUATE JOINT FLEXIBILITY TO ALLOW FOR THERMAL, AXIAL, TRANSVERSE AND TORSIONAL MOVEMENT.

15900 SYSTEM CONTROL AND OPERATION

9.10 SPACE TEMPERATURE CONTROL: FURNISH AND INSTALL, UNLESS NOTED OTHERWISE, ALL THERMOSTATS, SENSORS, CONTROLLERS, RELAYS, CONTACTORS, DAMPERS, ACTUATORS, TUBING, CONTROL WIRING AND ALL OTHER ITEMS AND MATERIALS NECESSARY FOR A COMPLETE AND PROPERLY OPERATING TEMPERATURE CONTROL SYSTEM AS SPECIFIED. ALL THERMOSTATS AND OTHER CONTROL COMPONENTS SHALL BE HONEYWELL, OR APPROVED EQUAL, UNLESS SPECIFIED OTHERWISE. ALL CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR AND SHALL BE INSTALLED IN CONDUIT IN ACCORDANCE WITH DIVISION 16.

9.11THERMOSTATS: REFER TO "HVAC CONTROLS" ON DRAWINGS.

9.20 SEQUENCE OF OPERATION: REFER TO "HVAC CONTROLS" ON DRAWINGS.

15950 TESTING, ADJUSTING, BALANCING

9.51 NEBB, AABC, OR TABB CERTIFIED TESTING AND BALANCING CONTRACTOR SHALL BE RESPONSIBLE FOR THE TESTING AND BALANCING OF EVERY HEATING, VENTILATING AND AIR CONDITIONING SYSTEM. THE PERSON OR AGENCY RESPONSIBLE FOR BALANCING OF THE SYSTEMS SHALL DOCUMENT IN WRITING THE AMOUNT OF OUTDOOR AIR BEING PROVIDED AND DISTRIBUTED FOR THE BUILDING OCCUPANTS AND ANY OTHER SPECIALTY VENTILATION. TWO (2) COPIES OF A WRITTEN REPORT IN FORMAT LISTED ABOVE SHALL BE SUBMITTED TO THE OWNER, TWO (2) COPIES SHALL BE SUBMITTED TO THE LANDLORD PRIOR TO OCCUPANCY, AND TWO (2) COPIES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

9.52 AIR SYSTEMS SHALL BE BALANCED IN A MANNER TO MINIMIZE LOSSES FROM DAMPER THROTTLING BY FIRST ADJUSTING FAN SPEED, THEN ADJUSTING DAMPERS IN MAIN DUCTS, AND THEN ADJUSTING DAMPERS IN BRANCH DUCTS IN ORDER TO MEET DESIGN FLOW CONDITIONS. FOR VAV SYSTEMS, ENSURE THAT ALL VAV BOXES ON THIS AIR HANDLER ARE ADJUSTED TO THEIR RESPECTIVE MAXIMUM SETPOINTS DURING BALANCING TO ENSURE PROPER AIRFLOW WHEN SYSTEM IS OPERATING AT MAXIMUM (PEAK) COOLING CAPACITY. COORDINATE SETTING OF VAV BOXES IN OTHER TENANT SPACES IN FIELD WITH LANDLORD'S FIELD REPRESENTATIVE.

9.53 HVAC CONTROL SYSTEMS SHALL BE TESTED TO ASSURE THAT CONTROL ELEMENTS ARE CALIBRATED, ADJUSTED, AND IN PROPER WORKING ORDER
- A. MECHANICAL CONTRACTOR SHALL HIRE A COMMISSIONING AGENT APPROVED BY THE AUTHORITY HAVING JURISDICTION TO PROVIDE THE COMMISSIONING OF THE FOLLOWING SYSTEMS (AS APPLICABLE FOR THIS PROJECT):
  1. AIR SYSTEMS BALANCING.
  2. HYDRONIC SYSTEMS BALANCING.
  3. FUNCTIONAL PERFORMANCE TESTING.
  4. ECONOMIZERS.
  5. CONTROLS.
  6. MECHANICAL EQUIPMENT.
- B. COMMISSIONING AGENT SHALL PROVIDE WRITTEN REPORT ON ALL SYSTEMS COMMISSIONED. THIS REPORT SHALL BE PROVIDED TO THE TENANT, LANDLORD AND AUTHORITY HAVING JURISDICTION AS REQUIRED.

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10/31/2025

DRAWN BY: SPW CHECKED BY: TMS
HEI PROJECT NUMBER: R25-5273.000
PROJECT PHASE: CD

ISSUE / DATE :	
CHECK SET	10.10.2025
PERMIT SET	10.31.2025

SHEET TITLE :

MECHANICAL SPECIFICATIONS

SHEET NO.:

M300

10/10/2023 11:01:40 AM

CONTACTOR SCHEDULE

E.C. TO PROVIDE ALL COMPONENTS

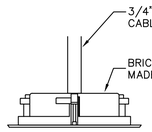
MARK	CONTROLS	CONTROLLED BY	COIL	LINE	POLE	AMP	CIRCUITS CONTROLLED
C1	GENERAL LIGHTING DISPLAY RECEPTACLES	TIME CLOCK	120	120	6	20	LA-9,11,13,17,19
C2	TRACK DISPLAY LIGHTING	TIME CLOCK	120	120	4	20	LA-3,5
C3	SHOW WINDOW LIGHTS & RECEPTACLES, STOREFRONT SIGNAGE, EXTERIOR LIGHTING	TIME CLOCK	120	120	4	20	LA-21,23,25

CURRENT LIMITING DEVICE SCHEDULE

COMPONENTS PROVIDED BY TENANT / VENDOR

TAG	JUNO CATALOG #	DESCRIPTION	WATTAGE
5A	ELECTRICAL FEED: TCLFM11 WH CIRCUIT BREAKER: TCLCB 5A WHT	SINGLE CIRCUIT MINI END FEED 5A CURRENT LIMITING C.B.	600W
6A	ELECTRICAL FEED: TCLFM11 WH CIRCUIT BREAKER: TCLCB 6A WHT	SINGLE CIRCUIT MINI END FEED 6A CURRENT LIMITING C.B.	720W

NOTE:
ALL WIRING SHALL BE IN CONDUIT EMT. MC CABLE MAY ONLY BE USED FOR FINAL CONNECTIONS FROM OUTLET BOXES TO LIGHT FIXTURES, MOTORS, APPLIANCES, ETC., MAX LENGTH 6 FEET, NO BC, ROMEX, ARMORED CABLE, ETC., ALLOWED.



2 DATA COLLECTION SYSTEM

SCALE: NONE

BRICKSTREAM DATA COLLECTION SYSTEM NOTES:

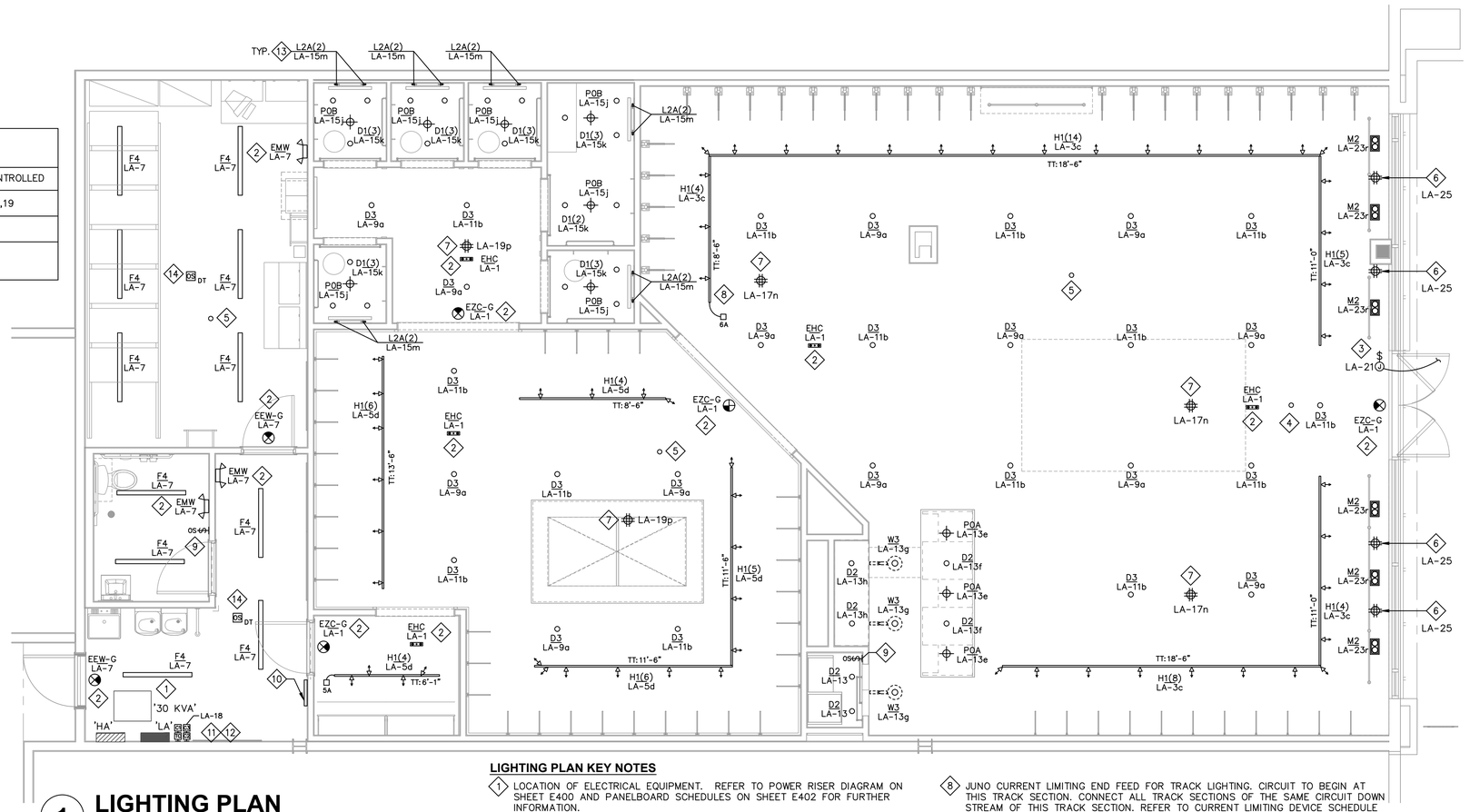
DC1. BRICKSTREAM 3D SMART DEVICE IS COMPRISED OF A FIXED DATA CAPTURE DEVICE AT THE ENTRANCE TO THE BUILDING. THE SYSTEM IS POWERED ENTIRELY THROUGH A LOW VOLTAGE CAT5e CABLE. NO LINE VOLTAGE POWER IS REQUIRED. ALL INFORMATION COLLECTED IS TRANSMITTED THROUGH THE STORE WI-FI SYSTEM TO AN INTERNET BASED SOFTWARE APPLICATION THAT IS REMOTELY ACCESSED BY THE UOI IT TEAM.

DC2. E.C. TO PROVIDE A J-BOX BURIED IN THE CEILING 36" FROM THRESHOLD OF DOOR WITHIN THE STORE FOR BRICKSTREAM 3D SMART DEVICE. E.C. TO PROVIDE A 3/4" CONDUIT ABOVE CEILING WITH CAT5e CABLE FROM J-BOX TO MANAGER'S DESK LOCATION. LEAVE A 10 FOOT LONG LOOP AT EACH END. FINAL CONNECTIONS, SYSTEM START UP AND TESTING BY UOI VENDOR.

DC3. ONE 3D SMART DEVICE IS TO BE PLACED AT EACH 7'-6" MAXIMUM WIDE ENTRY SECTION AND IS TO BE MOUNTED 36" FROM THE FACE OF THE ENTRY DOOR(S).

DC4. AT HARD LID CEILING 30'-0" OR LOWER, THE 3D SMART DEVICE SHOULD BE RECESS MOUNTED UTILIZING A CUSTOM MADE BRACKET FOR BRICKSTREAM SENSORS. MOUNTING HOLE DIAMETER FOR BRACKET TO BE 8". SENSOR SHOULD BE ORIENTED SUCH THAT THE LEDs ARE TOWARD THE EXTERIOR AND THE LENSES ARE ON THE STORE INTERIOR. LEAVE A 2 METER MAINTENANCE LOOP AT SENSOR END OF CABLE TO ALLOW EASY MAINTENANCE AND INSTALLATION. IT IS IMPERATIVE THAT THE ELECTRONICS FOR THE SYSTEM ARE PROPERLY RECESSED IN THE CEILING.

DC5. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS WITH VENDOR PRIOR TO ROUGH-IN AND COMMENCEMENT OF WORK.



1 LIGHTING PLAN

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

LIGHTING PLAN KEY NOTES

1. LOCATION OF ELECTRICAL EQUIPMENT. REFER TO POWER RISER DIAGRAM ON SHEET E400 AND PANELBOARD SCHEDULES ON SHEET E402 FOR FURTHER INFORMATION.
2. COORDINATE EXACT MOUNTING LOCATION OF ALL EMERGENCY AND EXIT LUMINAIRES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. EXIT AND EMERGENCY LIGHTING TO BE CIRCUITED AHEAD OF ANY SWITCHING.
3. J-BOX AT STOREFRONT OPENING WITH CONDUIT STUBBED INTO THE LEASED PREMISES PROVIDED BY LANDLORD. TENANT'S E.C. TO PROVIDE A TOGGLE SWITCH DISCONNECT AT J-BOX AND 120V CIRCUIT AS INDICATED FOR CONNECTION TO STOREFRONT SIGNAGE. COORDINATE EXACT REQUIREMENTS WITH SIGN VENDOR. TENANT E.C. TO ROUTE SIGN CIRCUIT VIA CONTACTOR C3. REFER TO CONTACTOR SCHEDULE.
4. LOCATION OF BRICKSTREAM DATA COLLECTION SYSTEM. PROVIDE CONDUIT PENDANT MOUNTED WITH A BOX @ 12'AFF AND 36" FROM THRESHOLD OF DOOR WITHIN THE STORE. TENANT E.C. TO PROVIDE A CONDUIT WITH CAT5e CABLE FROM THIS LOCATION TO DATA CABINET. REFER TO DETAIL 2 ON THIS SHEET FOR FURTHER INFORMATION.
5. PROVIDE CEILING MOUNTED 1/2" CONDUIT WITH CAT 5 CABLE TO DATA CABINET IN MANAGER'S OFFICE FOR WI-FI.
6. PROVIDE CEILING MOUNTED QUADRUPLEX RECEPTACLE WITHIN 18" OF TOP OF SHOW WINDOW FOR EACH 12 FT OR MAJOR FRACTION THEREOF OF SHOW WINDOW AREA MEASURED HORIZONTALLY AT ITS MAXIMUM WIDTH. CIRCUITS TO BE ROUTED VIA CONTACTOR C3. REFER TO CONTACTOR SCHEDULE.
7. PROVIDE CEILING MOUNTED RECEPTACLES AS INDICATED. REFER TO ARCHITECTURAL SHEET(S) FOR EXACT LOCATION. CEILING RECEPTACLE CIRCUITS ARE TO BE CONTROLLED BY WALL SWITCHES AND TIMECLOCK. REFER TO SWITCH BANK DETAIL AND CONTACTOR SCHEDULE FOR FURTHER INFORMATION.
8. JUNO CURRENT LIMITING END FEED FOR TRACK LIGHTING. CIRCUIT TO BEGIN AT THIS TRACK SECTION. CONNECT ALL TRACK SECTIONS OF THE SAME CIRCUIT DOWN STREAM OF THIS TRACK SECTION. REFER TO CURRENT LIMITING DEVICE SCHEDULE ON THIS SHEET FOR FURTHER INFORMATION.
9. PROVIDE AN OCCUPANY SENSING WALL SWITCH FOR ON/OFF CONTROL OF LOCAL LIGHTING. SWITCH SHALL CONTROL LIGHT AND EXHAUST FAN.
10. LOCATION OF LIGHTING SWITCH BANK. LETTER REPRESENTS LIGHT FIXTURE CIRCUIT CONTROLLED. TYPICAL FOR ALL SWITCHES AND LIGHT FIXTURES LABELED THIS WAY. REFER TO LIGHTING SWITCH BANK DETAIL THIS SHEET.
11. PROVIDE A NEW TORK DZS200BP SERIES TIME CLOCK (TC1) FOR MASTER CONTROL OF NEW LIGHTING CONTACTORS C1, C2, AND C3. COORDINATE SETTINGS WITH STORE OPERATIONS AND SHOPPING CENTER HOURS. MOUNT TIME CLOCK AND CONTACTORS ADJACENT TO ELECTRICAL PANEL.
12. E.C. TO PROVIDE NEW MULTI-POLE LIGHTING CONTACTORS (C1,C2,C3) FOR SPACE LIGHTING. CONTACTORS SHALL BE CONTROLLED BY THE TIME CLOCK. REFER TO CONTACTOR SCHEDULE.
13. REFER TO POWER PLAN E200 FOR RECEPTACLE LOCATIONS AND CIRCUITING FOR FITTING ROOM MIRROR LIGHTING.
14. PROVIDE CEILING MOUNTED 360° DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER: DT-305. PROVIDE BZ-200 POWER PACK(S), AND ADDITIONAL WIRING AS REQUIRED. COORDINATE WITH MANUFACTURER. SET OCCUPANCY SENSOR TIMER TO 15 MINUTES.

LIGHTING PLAN GENERAL NOTES

A. LUMINAIRES AND LAMPS WILL BE FURNISHED BY THE OWNER. THESE ARE RECEIVED, UNLOADED, HANDLED, STORED, PROTECTED, UNCRATED, ASSEMBLED, INSTALLED, WIRED, LAMPED, ETC. BY ELECTRICAL CONTRACTOR.

B. MOUNTING TYPES INDICATED FOR EXIT LIGHTS (WALL, CEILING, ETC.) ARE INTENDED TO BE DIAGRAMMATIC ONLY TO INDICATE REQUIRED LOCATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE SPECIFIC TYPES OF MOUNTING HARDWARE AS REQUIRED BY FIELD CONDITIONS.

C. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE THE TYPE OF CONSTRUCTION INTO WHICH EACH LUMINAIRE WILL BE INSTALLED AND TO FURNISH THE APPROPRIATE MOUNTING HARDWARE AND ACCESSORIES. SUCH APPURTENANCES ARE FURNISHED AND INSTALLED FOR ALL LIGHTING FIXTURES WHETHER SUPPLIED BY OWNER OR BY CONTRACTOR.

D. ALL WIRING MUST BE IN CONDUIT. ALL CONDUITS SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED RACEWAYS SUPPLYING LUMINAIRES (AND ALL OTHER ITEMS) SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. WHERE OFFSETS, "KICKS", ETC. ARE REQUIRED TO AVOID OBSTACLES, THESE SHALL BE DONE IN A WORKMANLIKE MANNER WITHOUT KINKS, "DOGLEGS", ETC. FLEXIBLE CONDUIT SHALL BE MC ONLY. FLEXIBLE CONDUIT IS NOT PERMITTED WITHIN DEMISING WALLS.

E. INSTALLATION OF LUMINAIRES SHALL BE CAREFULLY COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO AVOID CONFLICTS WITH DUCTWORK, ARCHITECTURAL FEATURES, ETC. WHERE CONFLICTS ARISE, CLARIFY WITH ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.

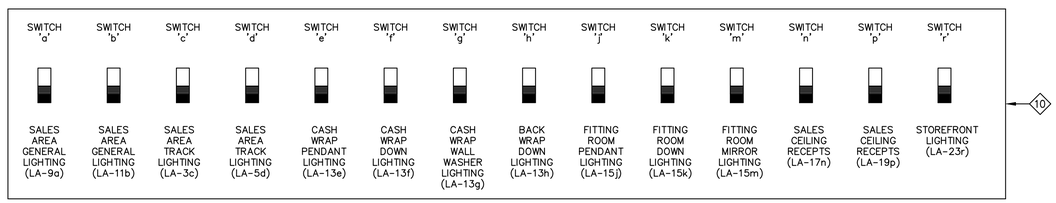
F. BASED ON LIGHTING MANUFACTURERS PUBLISHED DATA, EMERGENCY BATTERY LIGHTS ARE LOCATED TO PROVIDE ONE (1) FOOT CANDLE ALONG THE MEANS OF EGRESS.

G. THIS CONTRACTOR SHALL MEET IN THE FIELD WITH FIRE INSPECTOR TO AIM AND ADJUST EMERGENCY LIGHTS AS HE DEEMS NECESSARY. CONTRACTOR SHALL ADD ADDITIONAL BATTERY LIGHTS AND EXIT SIGNS WHERE THE FIRE INSPECTOR SO DESIRES.

H. IN AREAS NOT SUPPORTED BY THE EMERGENCY POWER INVERTER FOR LIFE SAFETY LIGHTING, ELECTRICAL CONTRACTOR SHALL WIRE EMERGENCY LIGHTING BATTERY PACK INDICATED TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL LOCAL SWITCHING.

I. REFER TO LUMINAIRE SCHEDULE ON SHEET E402.

J. ALL 120 VOLT BRANCH CIRCUITS IN EXCESS OF 75' SHALL HAVE CONDUCTOR SIZE INCREASED A MINIMUM OF 1 CONDUCTOR SIZE. INSTALLING CONTRACTOR SHALL DETERMINE ACTUAL CONDUCTOR SIZE TO BE INSTALLED TO ADHERE TO VOLTAGE DROP REQUIREMENTS.



3 MASTER LIGHTING SWITCH BANK

NONE

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10/31/2025

DRAWN BY: LV CHECKED BY: DJQ/PJF

HEI PROJECT NUMBER: R25-5273.000

PROJECT PHASE: CD

ISSUE / DATE :

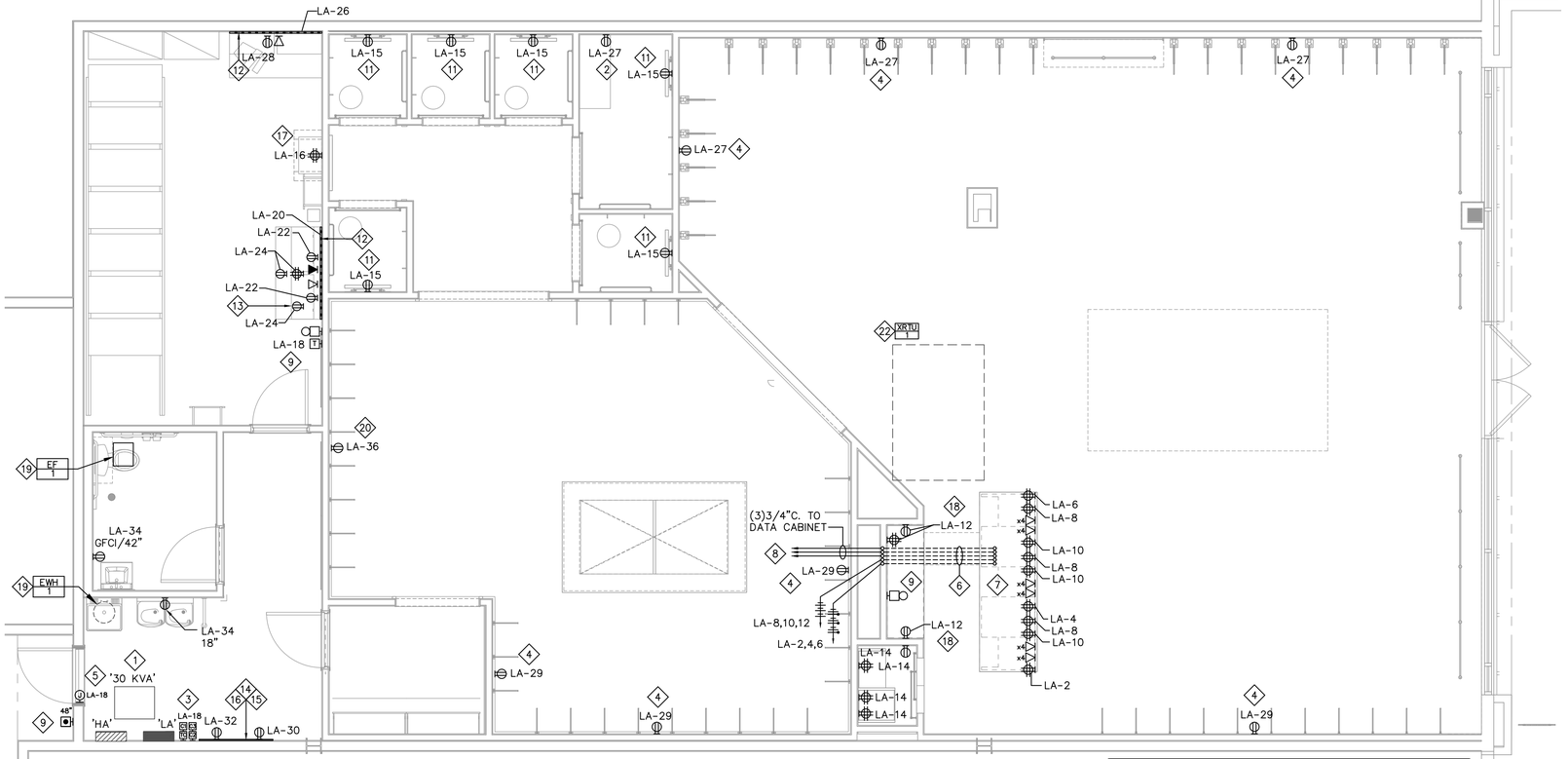
CHECK SET	10.10.2025
PERMIT SET	10.31.2025

SHEET TITLE :

LIGHTING PLAN

SHEET NO.:

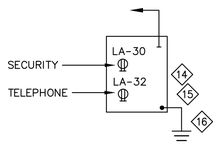
E100



1 POWER PLAN

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

NOTE:
ALL WIRING SHALL BE IN CONDUIT EMT. MC CABLE MAY ONLY BE USED FOR FINAL CONNECTIONS FROM OUTLET BOXES TO LIGHT FIXTURES, MOTORS, APPLIANCES, ETC., MAX LENGTH 6 FEET, NO BC, ROMEX, ARMORED CABLE, ETC., ALLOWED.



2 PHONE BOARD DETAIL

SCALE: NONE

POWER PLAN KEY NOTES

1. LOCATION OF TENANT'S ELECTRICAL EQUIPMENT. REFER TO POWER RISER DIAGRAM ON SHEET E400 AND PANELBOARD SCHEDULES ON SHEET E402 FOR FURTHER INFORMATION.
2. REFER TO DETAIL 7/E401 FOR LOCATION OF RECEPTACLE.
3. LOCATION OF TIME CLOCK AND CONTACTORS. REFER TO E100 FOR ADDITIONAL INFORMATION.
4. PROVIDE RECEPTACLE AND MOUNT RECEPTACLE HORIZONTALLY AT 18" A.F.F.. CENTER BETWEEN WALL STANDARDS WHERE APPLICABLE.
5. PROVIDE J-BOX WITH 120V CIRCUIT FOR POWER CONNECTION TO DETEX DOOR ALARM HARDWARE. EAX-2500 SERIES. COORDINATE EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
6. TRENCH FLOOR TO CASH WRAP FOR ROUTING OF (5) 1/2" CONDUITS. (2) 1/2" CONDUITS FOR POWER AND (3) 3/4" CONDUITS FOR COMMUNICATION CABLING. PROVIDE POWER AND COMMUNICATIONS CABLING WHIPS FOR TENANT'S CASH DESK ASSEMBLY. REFER TO ARCHITECTURAL PLANS FOR FURTHER INFORMATION. COORDINATE TRENCHING REQUIREMENTS WITH LANDLORD.
7. PROVIDE AND MOUNT RECEPTACLES & DATA JACKS IN CASH WRAP MILLWORK BELOW COUNTER. REFER TO DETAIL 8/E401. ALL WIRING TO "DATA CABINET" SHALL BE IN CONDUIT.
8. PROVIDE (3) 3/4" CONDUIT FOR REQUIRED TELEPHONE AND DATA WIRING FROM CASHWRAP TO DATA CABINET. SEE DETAIL 4/E401. SEE ARCHITECTURAL MILLWORK ELEVATIONS FOR LOCATION.
9. PROVIDE A DOOR BELL TRANSFORMER (SIZED FOR TWO BUZZERS), SURFACE MOUNTED W.P. PUSHBUTTON AT REAR DOOR, (1) BELL LOCATED IN BACK OF HOUSE AND (1) BELL LOCATED INSIDE THE BACK WRAP CLOSET AS INDICATED. REFER TO DETAIL 3/E401. VERIFY EXACT BELL TYPE AND LOCATIONS OF BELLS WITH OWNER. REUSE EXISTING IF APPLICABLE. DOOR BELL TO BE RECESSED OR LOW PROFILE ON REAR WALL, COLOR TO BE COMPLIMENTARY TO OR MATCH BUILDING COLOR.
10. NOT USED.
11. PROVIDE RECEPTACLE FOR CONNECTION TO LED STRIP LIGHTING AT EACH FITTING ROOM MIRROR. CENTER RECEPTACLE ON MIRROR. COORDINATE MOUNTING HEIGHT PRIOR TO ROUGH-IN. RECEPTACLES TO BE CONTROLLED BY WALL SWITCH IN BACK OF HOUSE. REFER TO SHEET E100 FOR FURTHER INFORMATION.
12. AT MANAGER DESK AND RECEIVING DESK, FURNISH AND INSTALL STEEL PLUGMOLD WITH 20 AMP RECEPTACLES 6" ON CENTER, LENGTH AS REQUIRED. WIREMOLD CAT. # V24GB SERIES. REFER TO ELEVATIONS ON E401 FOR FURTHER INFORMATION.
13. PROVIDE RECEPTACLE AT 74" AFF FOR AUDIO SYSTEM. REFER TO DETAIL 5/E401 FOR FURTHER INFORMATION.
14. LANDLORD TO PROVIDE A 4'W X 4'H PLYWOOD BACKER BOARD FOR TENANT'S "TTB" (TELEPHONE TERMINAL BOARD). LANDLORD TO PROVIDE (1) 2" CONDUITWITH PULLSTRING FROM THE BUILDINGS MAIN SWITCHING EQUIPMENT ROOM TO TENANT'S TTB LOCATION. LANDLORD SHALL PROVIDE ALL DATA AND TELEPHONE EQUIPMENT FOR THE PREMISES AND CONNECTIONS TO THE MAIN PANEL BOARD.
15. PROVIDE A 4" X 4" X 2-1/8" OUTLET BOX ADJACENT TO EXISTING TELEPHONE EQUIPMENT FOR TERMINATION OF TELEPHONE WIRING FROM CASH WRAP.
16. FURNISH AND INSTALL #8 AWG CU TO SERVICE ENTRANCE GROUND TERMINATED ON GROUND BAR LOCATED AT BOTTOM OF "TTB". PAINT TO MATCH WALL. REFER TO DETAIL 2 THIS SHEET.
17. PROVIDE QUADRUPLEX RECEPTACLE FOR WALL MOUNTED DATA SHELF. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION PRIOR TO ROUGH-IN.
18. INSTALL RECEPTACLES AT BACKWRAP CABINETS. REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC MOUNTING LOCATIONS.
19. MECHANICAL EQUIPMENT. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E400.
20. PROVIDE RECEPTACLE WITH T-BLADE PLUGS AND MOUNT RECEPTACLE HORIZONTALLY AT 18" A.F.F. WITH PRE-FINISHED WHITE METAL PLATE FOR CONNECTION TO AUXILIARY COOLING MANIFOLD.
21. NOT USED.
22. HVAC UNIT (XRTU-1) AND ASSOCIATED COMPONENTS (SERVICE RECEPTACLES, DISCONNECT SWITCHES, DUCT SMOKE DETECTORS, ETC.) ARE EXISTING TO REMAIN.

POWER PLAN GENERAL NOTES

A. COORDINATE WITH LOCAL AHJ IF A LOW VOLTAGE PERMIT IS REQUIRED.

B. MAINTENANCE OF ALL TENANT SPECIFIC EQUIPMENT, SUCH AS LIGHT FIXTURES, SMART BREAKERS, TIME CLOCKS, ETC., SHALL NOT BE THE RESPONSIBILITY OF THE LANDLORD. TENANT SHALL PROVIDE A MAINTENANCE CONTRACT FOR THESE PIECES OF EQUIPMENT WITH THE INSTALLERS OR THE EQUIPMENT MANUFACTURERS.

C. CONTRACTOR SHALL SCHEDULE ANY POWER SHUTDOWNS WITH THE LANDLORD AT LEAST ONE MONTH PRIOR.

D. OPENINGS AROUND ALL PENETRATIONS THROUGH CEILINGS, FLOOR SLABS AND FIRE RATED WALLS, SHALL BE SEALED WITH APPROVED FIRE STOPPING MATERIAL.

E. REFER TO DRAWING E100 FOR ALL CEILING OUTLETS, SHOW WINDOW OUTLETS AND POWER REQUIREMENTS RELATING TO THE CEILING.

F. ALL RECEPTACLES ARE TO BE MOUNTED HORIZONTAL.

G. ALL 120 VOLT BRANCH CIRCUITS IN EXCESS OF 75' SHALL HAVE CONDUCTOR SIZE INCREASED A MINIMUM OF 1 CONDUCTOR SIZE. INSTALLING CONTRACTOR SHALL DETERMINE ACTUAL CONDUCTOR SIZE TO BE INSTALLED TO ADHERE TO VOLTAGE DROP REQUIREMENTS.

H. ALL WIRING MUST BE IN CONDUIT. ALL CONDUITS SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING WALLS AND FOLLOW CEILING PROFILE. WHERE OFFSETS, "KICKS", ETC. ARE REQUIRED TO AVOID OBSTACLES, THESE SHALL BE DONE IN A WORKMANLIKE MANNER WITHOUT KINKS, "DOGLEGS", ETC. FLEXIBLE CONDUIT SHALL BE MC ONLY. FLEXIBLE CONDUIT IS NOT PERMITTED WITHIN DEMISING WALLS NOR AT EXPOSED LOCATIONS. ALL EXPOSED CONDUITS SHALL BE PAINTED WHITE. EXPOSED CONDUITS MOUNTED TO THE TRUSS SHALL BE PAINTED BLACK. INSTALL HIGH AND TIGHT TO DECK.

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10/31/2025

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POWER PLAN

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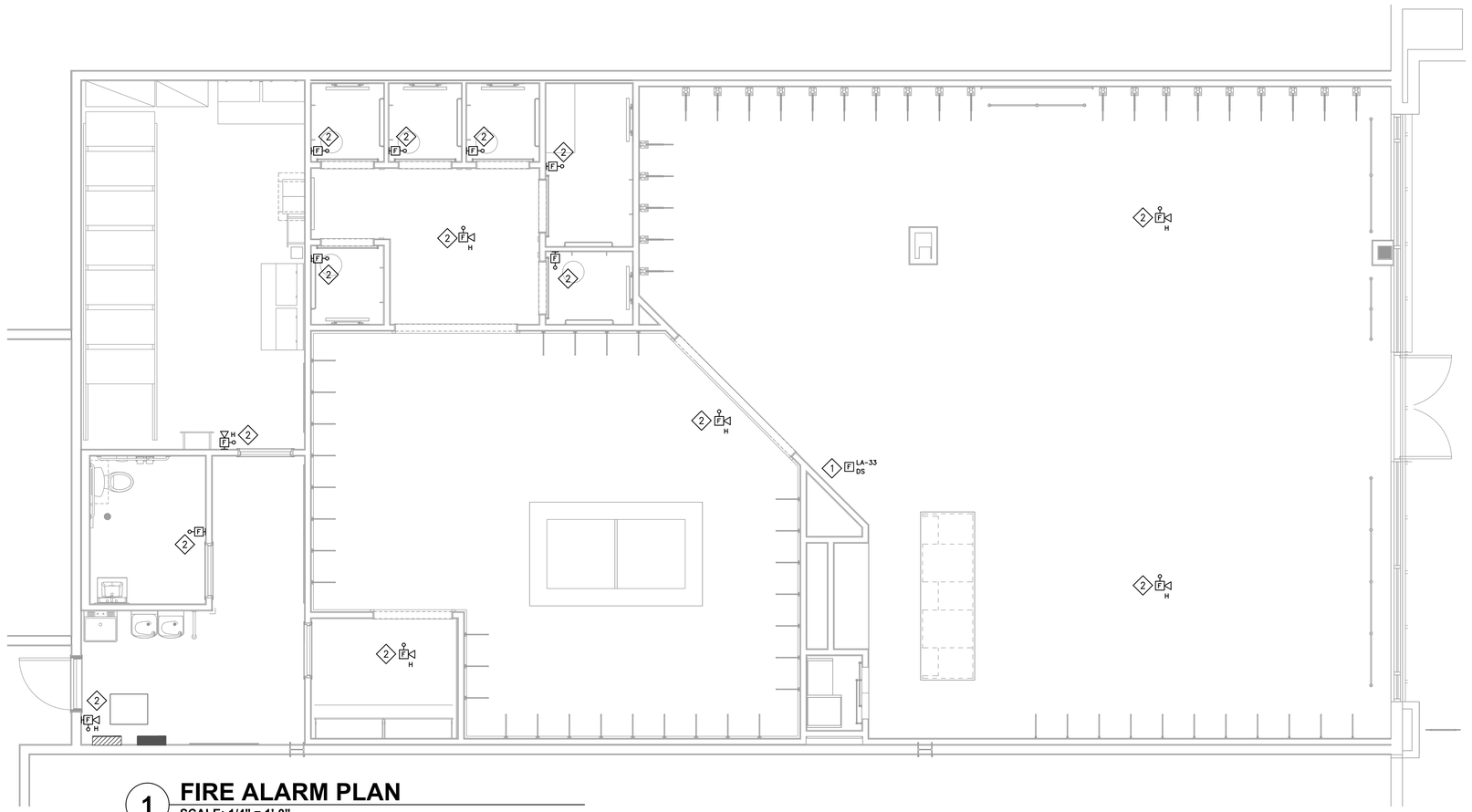

1 FIRE ALARM PLAN
SCALE: 1/4" = 1'-0"

LOW VOLTAGE PLAN GENERAL NOTES

A. COORDINATE WITH LOCAL AHJ IF A LOW VOLTAGE PERMIT IS REQUIRED.

B. COORDINATE CEILING MOUNTED DEVICES WITH LIGHTING, AND OTHER CEILING MOUNTED DEVICES.

C. CONTRACTOR SHALL SCHEDULE ANY FIRE ALARM SHUTDOWNS WITH THE LANDLORD AT LEAST ONE MONTH PRIOR.

D. OPENINGS AROUND ALL PENETRATIONS THROUGH CEILINGS, FLOOR SLABS AND FIRE RATED WALLS, SHALL BE SEALED WITH APPROVED FIRE STOPPING MATERIAL.

E. ALL FINAL CONNECTIONS AND PROGRAMMING TO THE CENTRAL FIRE ALARM SYSTEM MUST BE WITH THE BASE BUILDING FIRE ALARM CONTRACTOR, AT THE TENANT'S COST. ALL FIRE ALARM TESTING IS TO BE COMPLETED BY THE LANDLORD APPROVED FIRE ALARM TESTING COMPANY. THE LANDLORD APPROVED ELECTRICAL CONTRACTOR WILL INSTALL THE BASE BUILDING FIRE ALARM SUPERVISORY (NOTIFIER) AND WARRANTY THE BASE BUILDING FIRE ALARM. ANY DEVICE/MODULE RELOCATION IN THE BASE BUILDING IS THE RESPONSIBILITY OF THE TENANT. ALL DUCT SMOKE DETECTORS MUST HAVE LABELS AND THE ASSOCIATED TEST SWITCHES MUST BE LABELED FOR WHAT THEY CONTROL.

F. ALL WIRING MUST BE IN CONDUIT. ALL CONDUITS SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. WHERE OFFSETS, "KICKS", ETC. ARE REQUIRED TO AVOID OBSTACLES, THESE SHALL BE DONE IN A WORKMANLIKE MANNER WITHOUT KINKS, "DOGLEGS", ETC. FLEXIBLE CONDUIT SHALL BE MC ONLY. FLEXIBLE CONDUIT IS NOT PERMITTED WITHIN DEMISING WALLS. INSTALL HIGH AND TIGHT TO DECK.

LOW VOLTAGE PLAN KEY NOTES

1. IF NOT EXISTING, NEW DUCT SMOKE DETECTOR WILL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE INTERFACE CONNECTION TO BUILDING FIRE ALARM SYSTEM AS REQUIRED. COORDINATE WITH LANDLORD'S FIRE ALARM CONTRACTOR. PROVIDE 120V CIRCUIT TO DUCT SMOKE DETECTOR ONLY IF REQUIRED. CIRCUIT SHOWN FOR REFERENCE ONLY.

2. TENANT'S CONTRACTOR TO PROVIDE FIRE ALARM DEVICES AS INDICATED AND CONNECT TO BASE BUILDING FIRE ALARM AND LIFE SAFETY SYSTEMS. ADDRESSABLE POINT OF CONNECTION AND TELEMETRY, INFRASTRUCTURE ELEMENTS INCLUDING WIRING AND CONDUIT FROM BASE BUILDING CONTROLS WITHIN THE TENANT SPACE PROVIDED BY LANDLORD.

FIRE ALARM WIRING NOTES

1. THIS DRAWING REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION. SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS. EXACT SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH THE SYSTEM SUPPLIER.
2. SYSTEM SUPPLIER SHALL SUPERVISE INSTALLATION, PROGRAM AND TEST SYSTEM, AND INSTRUCT OWNER ON SYSTEM OPERATION.
3. ALL FIRE ALARM WIRING SHALL BE IN 3/4" CONDUIT, MINIMUM. ALL WIRING SHALL BE VERIFIED WITH THE SYSTEM SUPPLIER PRIOR TO BID.
4. TENANT F.A. CONTRACTOR TO PROVIDE ADDITIONAL ADDRESSABLE MONITOR AND CONTROL MODULES AS RECOMMENDED BY THE SYSTEM SUPPLIER.
5. ALL CONTROL CABINETS SHALL BE GROUNDED PER N.E.C. REQUIREMENTS AND PER SPECIFICATIONS.
6. COORDINATE CITY TIE-IN REQUIREMENTS WITH LOCAL AUTHORITY.
7. REFER TO DRAWINGS FOR DEVICE QUANTITY AND LOCATIONS.
8. FIRE ALARM SYSTEM SHALL COMPLY WITH THE ZONING REQUIREMENTS OF THE STATE AND LOCAL BUILDING CODES AND THE NFPA. ALL INITIATING DEVICES INDIVIDUALLY REPORT TO THE FIRE ALARM CONTROL PANEL FOR SEPARATE ANNUNCIATION.
9. COORDINATE EXACT REQUIREMENTS ON SITE WITH LANDLORD PRIOR TO PROCUREMENT OF EQUIPMENT OR ROUGH IN WORK.
10. ALL FIRE ALARM HOUSINGS SHALL BE "WHITE" IF ALLOWED BY THE LOCAL AUTHORITY.

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FIRE ALARM PLAN

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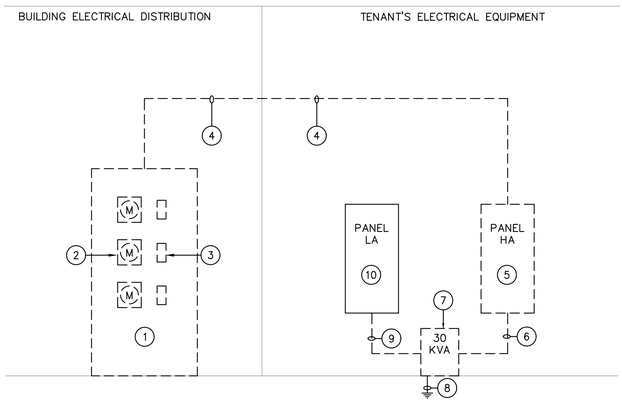
RISER DIAGRAM NOTES

1. EXISTING 480Y/277V, 3Ø, 4W, ELECTRICAL DISTRIBUTION. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
2. EXISTING TENANT ELECTRICAL METER TO REMAIN AND BE REUSED. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
3. EXISTING 200A/3P CIRCUIT BREAKER. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.
4. EXISTING CONDUIT AND 200A FEEDER WIRE TO REMAIN.
5. EXISTING 480Y/277V, 3PH, 4W ELECTRICAL PANEL 'HA' PROVIDED BY LANDLORD. REFER TO PANEL SCHEDULES ON SHEET E402 FOR FURTHER INFORMATION.
6. EXISTING CONDUIT AND 60A FEEDER WIRES TO REMAIN.
7. EXISTING 30 KVA, 480V, 3PH, 3W - 208/120V, 3PH, 4W TRANSFORMER PROVIDED BY LANDLORD.
8. EXISTING BARE COPPER GROUND PROVIDED BY LANDLORD. ELECTRICAL SYSTEM SHALL BE GROUNDED AND BONDED PER NEC REQUIREMENTS AND AUTHORITY HAVING JURISDICTION.
9. EXISTING CONDUIT AND 100A FEEDER WIRES TO REMAIN.
10. PROVIDE NEW 208Y/120V, 3PH, 4W ELECTRICAL PANEL 'LA'. REFER TO PANEL SCHEDULES ON SHEET E402 FOR FURTHER INFORMATION.

NOTE:
ELECTRICAL SYSTEM SHALL BE GROUNDED AND BONDED PER NEC REQUIREMENTS AND AUTHORITY HAVING JURISDICTION.



1 POWER RISER DIAGRAM
NTS

SYMBOL LIST

SYMBOL	DESCRIPTION
	SINGLE POLE SWITCH
3W	THREE WAY SWITCH
T	THERMAL OVERLOAD SWITCH - "P" DENOTES PILOT LIGHT
D	DIMMER SWITCH
OS	OCCUPANCY SENSOR CEILING MOUNTED. WATTSTOPPER. SPECIFY ON DRAWINGS
OS	WALL MOUNTED OCCUPANCY SENSOR - WATTSTOPPER PW-100.
F.D.	120V., 15AMP DPST FUSED DISCONNECT SWITCH FOR ELEVATOR SIGNAL SUPPLY, COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR PRIOR TO ANY INSTALLATION.
C.L.	120V., 15AMP SPST FUSED DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTING, COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR PRIOR TO ANY INSTALLATION.
	DUPLEX CONVENIENCE OUTLET (+ 18" ABOVE FINISHED FLOOR)
	SIMPLEX RECEPTACLE
	DOUBLE DUPLEX OUTLET (+ 18" ABOVE FINISHED FLOOR)
	DUPLEX CONVENIENCE OUTLET MOUNTED 6" ABOVE COUNTER TOP
	FLUSH FLOOR MOUNTED OUTLET BOX WITH DUPLEX RECEPTACLE
	FLUSH CEILING MOUNTED OUTLET BOX WITH DUPLEX RECEPTACLE
	FLUSH CEILING MOUNTED OUTLET BOX WITH DOUBLE DUPLEX RECEPTACLE
	RECEPTACLE - RATING & VOLTAGE AS INDICATED ON DRAWINGS
	DATA OUTLET
	FLUSH MOUNTED OUTLET BOX WITH DATA CONNECTION FOR CEILING MOUNTED DEVICE. "CLG" = CEILING MOUNTED, "FLR" = FLOOR MOUNTED
P W	TELEPHONE OUTLET (+ 18" ABOVE FINISHED FLOOR) "W" DENOTES WALL MOUNTED (+54" ABOVE FINISHED FLOOR) "P" DENOTES PUBLIC PAY PHONE (+54" ABOVE FINISHED FLOOR)
J, J	JUNCTION BOX - WALL OR CEILING MOUNTED
	NON - FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH - DEVICE AS NOTED
	MOTOR CONNECTION - H.P. AS NOTED ON DRAWINGS
	CONDUIT RUN CONCEALED IN CEILING OR WALLS
	CONDUIT INSTALLED CONCEALED BELOW FLOOR SLAB OR UNDERGROUND.
	CONDUIT RUN EXPOSED
	HOMERUN TO PANEL INDICATING CIRCUIT NUMBERS - ALL WIRING SHALL BE #12 WITH GROUND WIRE UON (INCREASE TO #10 FOR CIRCUITS BETWEEN 100 AND 200 LF) CONSULT ENGINEER FOR RUNS OVER 200 LIN FEET IF WIRE SIZE IS NOT INDICATED - ALL HOMERUNS SHALL BE TO A 20 AMPERE, 1 POLE CIRCUIT BREAKER UON. WIRE FILL AS REQUIRED FOR APPLICATION INDICATED.
	"X" DENOTES GROUND WIRE, LONG SLASH (|) DENOTES NEUTRAL AND SHORT SLASH (|) DENOTES HOT CONDUCTOR
	RIGID CONDUIT WITH EXPLOSION PROOF SEAL-OFF.
	CONDUIT INSTALLED WITH ONE INTERCOM CABLE.
	CONDUIT INSTALLED WITH ONE MICROPHONE CABLE.
DC	DIRECT CURRENT WIRING, 2#12 IN 3/4" CONDUIT.
	CONDUIT UP OR DOWN AS MARKED.
	GROUND CONNECTION.
	JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION
	FINAL EQUIPMENT CONNECTION
	CONDUIT STUBBED UP
	CONDUIT STUBBED DOWN
	TRANSFORMER
	CIRCUIT BREAKER
	SWITCH & FUSE
	PANELBOARD - 208Y/120V-3ph-4W

SYMBOL LIST

SYMBOL	DESCRIPTION
	PANELBOARD - 480/277V-3ph-4W
	PANELBOARD - 240/120V-1ph-3W
	DISTRIBUTION PANELBOARD - TOP OF PANELBOARD AT 6'-6" A.F.F.
CP	CONTROL PACKAGE - ALL CONTROLLING DEVICES, STARTERS, ASSOCIATED CONTROL STATIONS AND ASSOCIATED CONTROL WIRING SHALL BE FURNISHED, INSTALLED AND WIRED BY EQUIPMENT SUPPLIER. POWER WIRING AND DISCONNECTING DEVICES ONLY SHALL BE UNDER THIS DIVISION OF THE WORK UNLESS NOTED OTHERWISE.
	TELEPHONE TERMINAL CABINET
T	CONTROL TRANSFORMER
	WALL MOUNTED BELL
	DOORBELL PUSHBUTTION
	SECURITY CAMERA.
T	THERMOSTAT (FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR). INSTALL AT 5'-0" A.F.F.
TV	TELEVISION OUTLET
AMP	AMPLIFIER
S	SPEAKER
VC	SOUND SYSTEM VOLUME CONTROL.
VR	VIDEO RACK.
KP	SECURITY KEYPAD
C	DOOR CONTACT
E	EMERGENCY PUSH BUTTON CONNECTED TO ALARM SYSTEM
T	OFFICE TELEPHONE JUNCTION BOX
TC	OFFICE DATA/POS SYSTEM JUNCTION BOX
PIR	SECURITY SYSTEM PASSIVE INFRARED SENSOR
RX	AUDIBLE SECURITY ALARM
FACP	FIRE ALARM CONTROL PANEL, TOP OF PANEL AT +6'-0" A.F.F.
F	FIRE ALARM PULL STATION MOUNTED AT 48" AFF UON
F H	FIRE ALARM HORN WITH STROBE LIGHT - WALL MOUNTED AT 80" AFF UON
F	FIRE ALARM STROBE LIGHT - WALL MOUNTED AT 80" AFF UON
F	FIRE ALARM STROBE LIGHT - RECESSED CEILING MOUNTED
F P	FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED
F DS	FIRE ALARM DUCT SMOKE DETECTOR - WITH REMOTE TEST STATION - COORDINATE DUCT MOUNTING WITH THE MC
TS F FL	SPRINKLER SYSTEM TAMPER SWITCH/FLOW SWITCH - FURNISHED AND INSTALLED BY MC, WIRED BY EC
F H	FIRE ALARM HEAT DETECTOR - CEILING MOUNTED
+3'-10"	HEIGHT ABOVE FLOOR TO CENTER LINE OF OUTLET BOX.
A.	DENOTES AMPERES
A.F.F.	DENOTES ABOVE FINISHED FLOOR
C.	DENOTES CONDUIT
CO	DENOTES CONDUIT ONLY
ETR	DENOTES EXISTING TO REMAIN
GFI	DENOTES GROUND FAULT INTERRUPTER
GRD.	DENOTES GROUND
IG	ISOLATED GROUND
NF	DENOTES NON FUSED
N.I.C.	DENOTES NOT IN CONTRACT
NL	DENOTES NIGHT LIGHT
UNO	DENOTES UNLESS NOTED OTHERWISE
UOI	UBRAN OUTFITTERS INCORPORATED
WP	DENOTES WEATHERPROOF

MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT TAG	EQUIPMENT NAME	VOLT/ PHASE	MCA	MOCP	HP	KW	CONDUIT - WIRE	STARTER BY	DISC. BY DISC. SIZE	DISC. TYPE DISC. LOCATION	PANEL	CIRCUIT NUMBER	FUSE SIZE	NOTE
EF-1	EXHAUST FAN	120/1				80W	3/4"C-2#12, 1#12 GND.	NA	DIV-16	NA WALL SWITCH	LA	7	NA	1
EWH-1	ELECTRIC WATER HEATER	120/1				1.5W	3/4"C-2#12, 1#12 GND.	NA	DIV-16	30A/1P	LA	35	NA	1

NOTES:
1. EXHAUST FAN TO BE CONTROLLED WITH LOCAL LIGHTING CONTROL. REFER TO SHEET E1.0.

ELECTRICAL RESPONSIBILITY INDEX NOTES:

ER1. SYSTEM IS FURNISHED, INSTALLED AND WIRED BY OWNERS VENDOR. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT AND BACKBOXES AS REQUIRED FOR A COMPLETE AND OPERATIONAL RACEWAY SYSTEM TO FACILITATE VENDORS INSTALLATION. PROVIDE 120 VOLT POWER AS DETAILED AND REQUIRED BY VENDOR.

ER2. SYSTEM IS FURNISHED, INSTALLED AND WIRED BY U.O.I. - THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT AND BACKBOXES AS REQUIRED FOR A COMPLETE AND OPERATIONAL RACEWAY SYSTEM TO FACILITATE VENDORS INSTALLATION. PROVIDE 120 VOLT POWER AS DETAILED AND REQUIRED BY VENDOR.

SPECIAL NOTES:

S1. COORDINATE WORK WITH THE GENERAL CONTRACTOR TO LEAST INTERFERE WITH THE LANDLORD'S USE OF THE FACILITY. GENERAL CONTRACTOR MAY REQUIRE WORK INTERRUPTIONS DURING THE DAY AND MAY REQUIRE CERTAIN WORK TO BE PERFORMED ON PREMIUM TIME AT NIGHT OR ON WEEKENDS.

S2. UNLESS NOTED OTHERWISE MOUNTING HEIGHTS OF ELECTRICAL EQUIPMENT SHALL BE AS FOLLOWS:
SWITCHES: 4'-0" A.F.F. TO CENTER OF BOX
RECEPTACLES: 18" A.F.F. TO CENTER OF BOX. MOUNT HORIZONTAL.
TELEPHONE: 18" TO CENTER OF BOX (DESK TYPE ONLY)

S3. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED AND SMOKE RATED WALLS. SEAL ALL CONDUIT PENETRATIONS THROUGH SUCH WALLS IN ACCORDANCE WITH SPECIFICATIONS.

S4. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL ONLY. FOR EXACT LOCATION OF ALL LUMINAIRES, RECEPTACLES, ETC., REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS.

S5. REFER TO MECHANICAL DRAWINGS FOR EXACT SIZE, LOCATION, AND ELECTRICAL REQUIREMENTS FOR ALL MOTORS AND MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

S6. VISIT AND EXAMINE CAREFULLY THE BUILDING SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK. BEFORE SUBMITTING PROPOSALS. SUBMISSION OF A PROPOSAL WILL BE EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS BECAUSE OF DIFFICULTIES ENCOUNTERED, WILL NOT BE RECOGNIZED.

S7. THE EXISTING CEILING CAVITIES ARE PLENUMS/NON PLENUM.

S8. ALL OUTLETS MOUNTED ABOVE COUNTER SHALL BE INSTALLED HORIZONTALLY AND NOT VERTICALLY. IN AREAS WHERE COUNTERS ARE PROVIDED, COORDINATE EXACT LOCATION OF OUTLETS AND WIRING WITH CASEWORK.

S9. CONTRACTOR SHALL COORDINATE WITH ALL "VENDOR" TRADES FURNISHING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS THAT ARE PART OF THIS PROJECT TO INSURE COMPLIANCE WITH VENDOR REQUIREMENTS. NO EXTRA CHARGES SHALL BE ACCEPTED BY OWNER, AFTER BIDDING FOR SUCH EQUIPMENT AND LABOR.

S10. EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO INSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATION MUST BE CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.

S11. COORDINATE WORK WITH FIELD CONDITIONS AND OTHER TRADES AND INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.

S12. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS.

S13. ALL LUMINAIRES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.

S14. ALL OF THE BOXES, CONDUITS, WIRES, CONTROL STATIONS, SLEEVES, INSERTS, FRAMES AND ANCHORS ARE NOT SHOWN ON THE DRAWINGS. ONLY MAJOR ITEMS ARE SHOWN. COORDINATE ALL WORK AS REQUIRED FOR PROPER DEMOLITION AND INSTALLATION.

S15. NO WIRING SHALL BE DONE PRIOR TO THE CONTRACTOR'S REVIEW OF THE PROJECT EQUIPMENT SHOP DRAWINGS. COORDINATE FIELD CONDITIONS WITH THE DESIGN DOCUMENTS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION FOR FINAL RESOLUTION. WORK THAT HAS TO BE REPLACED DUE TO LACK OF PROPER SHOP DRAWINGS COORDINATION SHALL BE DONE AT CONTRACTOR'S EXPENSE.

S16. NEW PANELS SHALL NOT BE INSTALLED BELOW WATER PIPES OR VENTILATION DUCTS.

S17. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS. (NOT ALL LOCAL DISCONNECT SWITCHES ARE SHOWN).

S18. ALL OUTLETS BOXES SHALL BE PROVIDED WITH PROPER COVER PLATES.

S19. CIRCUITS ARE SIZED ASSUMING NO MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT. FOR CONDUITS CONTAINING MORE THAN THREE, PROVIDE APPROPRIATE DERATING OF CONDUCTORS PER APPLICABLE CODES.

S20. THE ACTIVATION OF A DUCT SMOKE DETECTOR SHALL CAUSE A VISUAL AND AUDIBLE SIGNAL IN A NORMALLY OCCUPIED LOCATION. EACH DUCT DETECTOR SHALL INDICATE A TROUBLE CONDITION VISUALLY OR AUDIBLY AND DEVICE SHALL BE LABELED "DUCT SMOKE DETECTOR TROUBLE". INSTALLATION SHALL COMPLY WITH NFPA 90A-4-4.4.3 WHERE IN-DUCT SMOKE DETECTORS ARE INSTALLED IN CONCEALED LOCATIONS, MORE THAN 10 FEET ABOVE THE FINISHED FLOOR, OR IN ARRANGEMENTS WHERE THE DETECTOR'S ALARM INDICATOR IS NOT READILY VISIBLE TO RESPONDING PERSONNEL, THE DETECTORS SHALL BE PROVIDED WITH REMOTE ALARM INDICATORS. REMOTE ALARM INDICATORS SHALL BE INSTALLED AT READILY ACCESSIBLE LOCATION AND SHALL BE CLEARLY LABELED TO INDICATE BOTH THEIR FUNCTION (E.G. IN-DUCT SMOKE DETECTOR ALARM") AND THE ROOF TOP UNIT ASSOCIATED WITH THE DETECTOR IN ACCORDANCE WITH NFPA 72.5-10.6.8.

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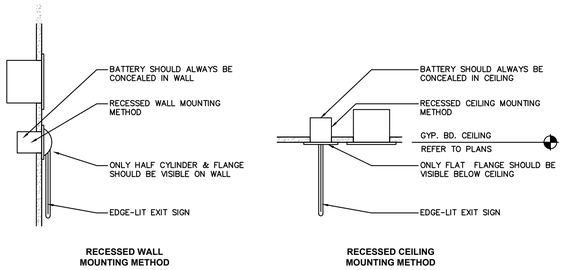
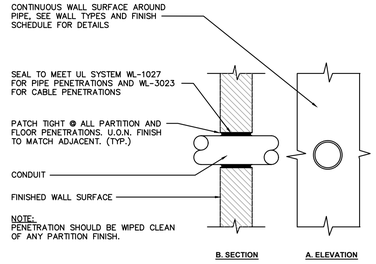
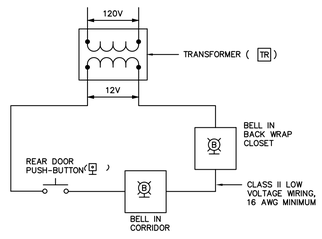


RECESSED WALL MOUNTING METHOD | **RECESSED CEILING MOUNTING METHOD**

1 RECESSED EDGE-LIT EXIT SIGN DETAIL
NONE

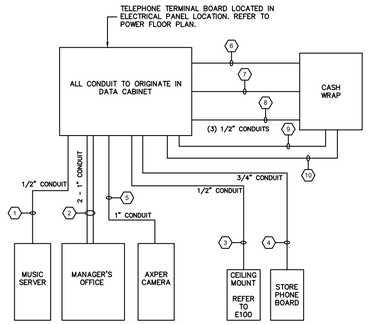


2 CONDUIT AT METAL STUD WALL
NONE



1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 120/12 VOLT TRANSFORMER FOR OPERATION OF REAR DOORBELL. MOUNT TRANSFORMER ADJACENT TO PANEL; TRANSFORMER SHALL BE EDWARDS # 88-250 OR EQUIVALENT.
2. AT REAR DOOR, ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DOORBELL PUSH-BUTTON SURFACE MOUNTED ON OUTSIDE OF ENTRY DOOR. MOUNT PUSH-BUTTON @ 4'-6" AFF OR AS REQUIRED BY LANDLORD. PUSH-BUTTON SHALL BE EDWARDS #600 OR EQUIVALENT.
3. BELLS SHALL BE MOUNTED ON WALL AT 12'-0". USE EDWARDS # 660 OR EQUIVALENT INSTALLED IN A WALL MOUNTED BOX WITH WHITE LOUVERED COVER PLATE.

3 DOORBELL DETAIL
NONE

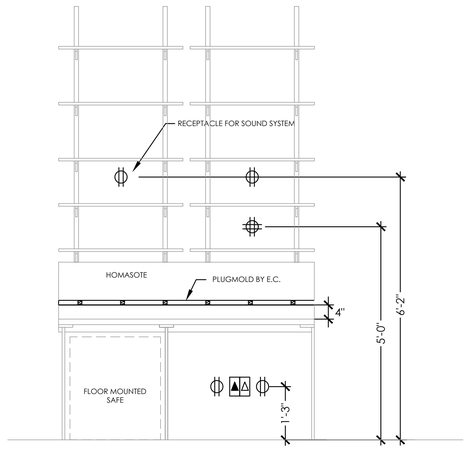


KEYED NOTES

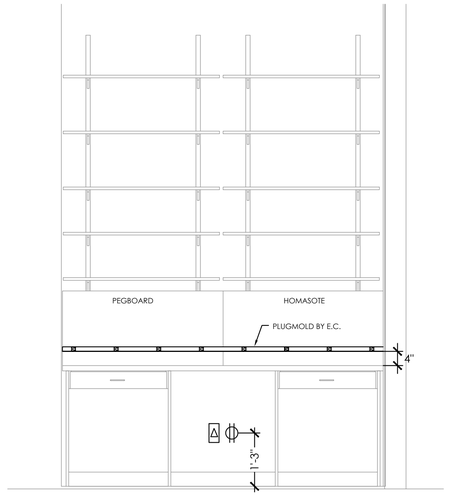
1. PROVIDE WITH (1) CAT 5 CABLE. LABEL #1.
2. PROVIDE WITH (6) CAT 5 CABLES. LABEL #2-#7.
3. PROVIDE WITH (1) CAT 5 CABLE (x3). LABEL #8-#10.
4. PROVIDE WITH (2) CAT 5 CABLES. LABEL #11-#12.
5. PROVIDE WITH (1) CAT 5 CABLE. LABEL #13.
6. PROVIDE WITH (3) CAT 5 CABLES. LABEL #14-16.
7. PROVIDE WITH (3) CAT 5 CABLES. LABEL #17-19.
8. PROVIDE WITH (3) CAT 5 CABLES. LABEL #20-22.
9. PROVIDE WITH (3) CAT 5 CABLES. LABEL #23-25.
10. PROVIDE WITH (3) CAT 5 CABLES. LABEL #26-28.

ALL CABLES TO HAVE:
- 10' OF SERVICE LOOP AT DATA CABINET
- 5' OF SERVICE LOOP AT END POINTS

4 LOW VOLTAGE/TELEPHONE/DATA CONDUIT SCHEMATIC
NONE



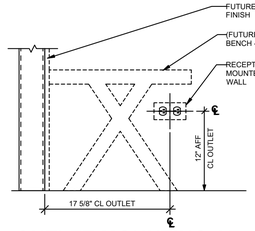
5 MANAGER DESK ELEVATION
NONE (FOR PLACEMENT OF ELECTRICAL EQUIPMENT)



6 RECEIVING DESK ELEVATION
NONE (FOR PLACEMENT OF ELECTRICAL EQUIPMENT)

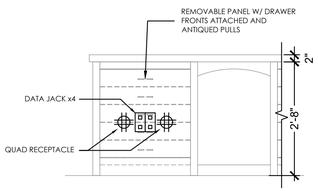
NOTE:
ALL WIRING SHALL BE IN CONDUIT EMT. MC CABLE MAY ONLY BE USED FOR FINAL CONNECTIONS FROM OUTLET BOXES TO LIGHT FIXTURES, MOTORS, APPLIANCES, ETC., MAX LENGTH 6 FEET, NO BC, ROMEX, ARMORED CABLE, ETC., ALLOWED.

DEMOLITION:
REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, FIXTURES, SYSTEMS, CONDUIT AND WIRE, ETC., NOT BEING REUSED...DO NOT JUST ABANDON.

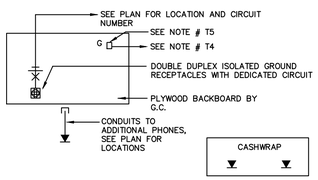


7 OUTLET MOUNTING AT ADA FR BENCH

NOTE:
MILLWORK SHOWN FOR REFERENCE ONLY - REFER TO ARCHITECTURAL DRAWINGS FOR DESK CONFIGURATIONS.



8 TYP. CASHWRAP UNIT - FRONT ELEVATION
NONE (FOR PLACEMENT OF ELECTRICAL EQUIPMENT)



TELEPHONE SYSTEM NOTES:

T1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL EMPTY CONDUIT FROM EACH TELEPHONE LOCATION SHOWN ON PLAN TO TELEPHONE EQUIPMENT AREA. DETERMINE TELEPHONE EQUIPMENT LOCATION FROM TELEPHONE UTILITY COMPANY OR CONTRACTOR.

T2. EMPTY CONDUITS SHALL BE 1" UNLESS NOTED OTHERWISE. SEE GENERAL ELECTRICAL NOTES REGARDING INSTALLATION OF CONDUIT TO COUNTERS.

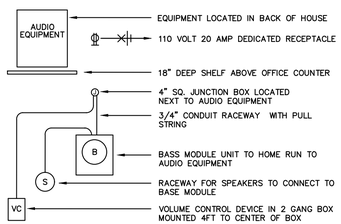
T3. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL BACK BOXES, TRIM RINGS, CONDUITS AND BUSHINGS FOR TELEPHONE SYSTEM. PROVIDE A COMPLETE AND USEABLE CONDUIT RACEWAY SYSTEM COMPLETE FROM EACH DEVICE TO TELEPHONE SYSTEM BACKBOARD. TERMINATIONS, FURNISHING, AND INSTALLATION OF ALL TELEPHONE DEVICES SHALL BE BY TELEPHONE SYSTEM VENDOR. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF ALL DEVICES. CONTRACTOR SHALL HAVE SITE COORDINATION MEETING WITH TELEPHONE SYSTEM VENDOR PRIOR TO ANY ROUGH-IN.

T4. LANDLORD SHALL PROVIDE 2" EMPTY CONDUIT TO BUILDING TELEPHONE ROOM OR POINT OF TELEPHONE COMPANY LOCATION AS REQUIRED BY SPECIFIC PROJECT - VERIFY REQUIREMENT WITH U.O.I. PROJECT MANAGER. COORDINATE EXACT LOCATION AND ROUTING IN FIELD WITH TELEPHONE COMPANY AND LANDLORD.

T5. ELECTRICAL CONTRACTOR SHALL PROVIDE A GROUND BUS WITH # 6 AWG GROUND CONDUCTOR TO POINT OF SERVICE GROUND OR BUILDING STEEL IF SERVICE GROUND IS OUTSIDE TENANT SPACE.

9 TELEPHONE RISER DIAGRAM
NONE

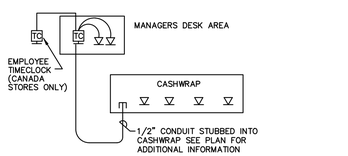
10 NOT USED
NONE



SOUND SYSTEM NOTES:

1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL NECESSARY RACEWAY SYSTEM FROM SOUND SYSTEM AMPLIFIER TO ALL SPEAKERS. RACEWAYS SHALL BE 3/4" EMT. EACH SPEAKER DOES NOT REQUIRE A SEPARATE "HOME RUN" CONDUIT. INSTALL EMPTY CONDUITS IN A NEAT MANNER WHICH CONNECTS TO EVERY SPEAKER AS SHOWN ON VENDOR'S PLAN.
2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL POWER SUPPLY FOR AMPLIFIER AS SHOWN ON PLAN. VERIFY LOCATION, MOUNTING HEIGHT, ETC. WITH SOUND SYSTEM CONTRACTOR.
3. SPEAKER BRACKET AND SPEAKER SHALL BE FURNISHED AND INSTALLED BY SOUND SYSTEM VENDOR.
4. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL BACK BOXES, TRIM RINGS, CONDUITS AND BUSHINGS FOR SOUND SYSTEM. PROVIDE A COMPLETE AND USEABLE CONDUIT RACEWAY SYSTEM COMPLETE FROM EACH DEVICE TO SOUND SYSTEM RACK AND AMPLIFIER IN OFFICE. WIRING, TERMINATIONS, FURNISHING, AND INSTALLATION OF ALL SPEAKERS AND DEVICES SHALL BE BY SOUND SYSTEM VENDOR. REFER TO SOUND SYSTEM DRAWINGS AND ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF ALL DEVICES. CONTRACTOR SHALL HAVE SITE COORDINATION MEETING WITH SOUND SYSTEM VENDOR PRIOR TO ANY ROUGH-IN.

11 SOUND SYSTEM RISER DIAGRAM
NONE



DATA SYSTEM NOTES:

D1. CASHWRAP COUNTER REQUIRES AN INTERCONNECTING CABLE TO COMPUTER TERMINAL IN OFFICE.

D2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT TO COUNTER. CONDUIT MUST BE INSTALLED IN CEILING SPACE BELOW. SEE GENERAL ELECTRICAL NOTES REGARDING INSTALLATION OF WIRING IN CEILING SPACE BELOW. EXTEND THIS CONDUIT TO TERMINATION POINT DESIGNED IN OFFICE AREA; VERIFY PRECISE LOCATION IN OFFICE AREA WITH OWNER'S IT REPRESENTATIVE.

D3. TERMINATION POINTS AT COUNTER DESIGNATED ARE DIAGRAMMATIC ONLY TO INDICATE CONNECTION TO REGISTER TERMINALS. DETERMINE PRECISE LOCATIONS FORM OWNER'S IT REPRESENTATIVE. PROVIDE 1" CONDUIT BETWEEN EACH SECTION OF COUNTER.

D4. EACH REGISTER AT COUNTERS WILL BE CONNECTED TO RESPECTIVE SUPPLY CABLE BY DATA PROCESSING CONTRACTOR.

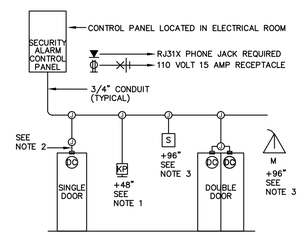
D5. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL BACKBOXES, TRIM RINGS, CONDUITS, WIRING AND BUSHINGS FOR DATA SYSTEM. PROVIDE A COMPLETE AND USEABLE CONDUIT RACEWAY SYSTEM COMPLETE FROM EACH DEVICE TO DATA EQUIPMENT RACK.

D6. ALL IT EQUIPMENT WILL BE FURNISHED BY OWNER; OWNER WILL SET EACH ITEM IN PLACE.

D7. OWNER WILL MAKE ALL CONNECTIONS AND TERMINATION OF CONTRACTOR INSTALLED EDP CABLES ONTO EQUIPMENT.

D8. POWER SUPPLIES FOR IT EQUIPMENT ARE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AS SHOWN ON PLAN. DETERMINE PRECISE LOCATIONS OF ALL POWER SUPPLIES FROM OWNER'S EDP REPRESENTATIVE. SEE GENERAL ELECTRICAL NOTES REGARDING INSTALLATION OF ISOLATED GROUND CIRCUITS.

12 DATA SYSTEM RISER DIAGRAM
NONE



SECURITY SYSTEM NOTES:

1. PROVIDE 4" SQUARE BOX WITH SINGLE GANG RING AND 3/4" CONDUIT FOR SECURITY KEYPAD.
2. PROVIDE CONDUIT FROM DOOR FRAME FOR DOOR CONTACTS AT EACH EXIT DOOR.
3. PROVIDE 4" SQUARE BOX WITH SINGLE GANG RING AND 3/4" CONDUIT FOR MOTION DETECTOR.
4. PROVIDE DOUBLE GANG BOX AND SINGLE GANG TRIM RING AND 3/4" CONDUIT FOR AUDIBLE SECURITY ALARM.
5. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL BACK BOXES, TRIM RINGS, CONDUITS, WIRING (22 GA 4 CONDUCTOR STRANDED COPPER PLENUM RATED CABLE) AND BUSHINGS FOR ALARM SYSTEM. PROVIDE A COMPLETE CONDUIT RACEWAY SYSTEM COMPLETE FROM EACH DEVICE TO CONTROL PANEL. EACH DEVICE TO HAVE INDEPENDENT RUN TO CONTROL PANEL. FINAL WIRING TERMINATIONS, FURNISHING, AND INSTALLATION OF ALL DEVICES SHALL BE BY ALARM VENDOR. REFER TO SECURITY SYSTEM DRAWINGS AND ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF ALL DEVICES. CONTRACTOR SHALL HAVE SITE COORDINATION MEETING WITH SECURITY VENDOR PRIOR TO ANY ROUGH-IN.

13 SECURITY RISER DIAGRAM
NONE

NewStudio architecture

free people

Free People
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Amherst, NY 14226

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STATE OF NEW YORK · PAUL J. FETTINGER · 085651 · LICENSED PROFESSIONAL ENGINEER

10/31/2025

DRAWN BY: LV CHECKED BY: DJQ/PJF

HEI PROJECT NUMBER: R25-5273.000

PROJECT PHASE: CD

ISSUE / DATE :

CHECK SET	10.10.2025
PERMIT SET	10.31.2025

SHEET TITLE :

ELECTRICAL DETAILS

SHEET NO.:

E401

10/10/2023 11:01:40 AM

EXISTING PANEL 'HA'

Location: Corridor	EXISTING											480Y/277 Volt, 3ø, 4w
Mounting: Surface												Main: MCB 200A
Circuit Description	KVA	CB	NO.	NOTE	A	B	C	NOTE	NO.	CB	KVA	Circuit Description
	6.1		1		X				2		7.9	
XRTU-1	6.1	25/3	3	D		X			4	60/3	7.4	EXISTING 30 KVA TRANSFORMER
	6.1		5				X		6		7.6	
SPACE			7		X				8			SPACE
SPACE			9			X			10			SPACE
SPACE			11				X		12			SPACE
SPACE			13		X				14			SPACE
SPACE			15			X			16			SPACE
SPACE			17				X		18			SPACE
SPACE			19		X				20			SPACE
SPACE			21			X			22			SPACE
SPACE			23				X		24			SPACE
SPACE			25		X				26			SPACE
SPACE			27			X			28			SPACE
SPACE			29				X		30			SPACE
SPACE			31		X				32			SPACE
SPACE			33			X			34			SPACE
SPACE			35				X		36			SPACE
SPACE			37		X				38			SPACE
SPACE			39			X			40			SPACE
SPACE			41				X		42			SPACE
					A	B	C					
CONNECTED KVA:	41.2				14.0	13.5	13.7					DESIGN DEMAND KVA: 47.1
CONNECTED HIGH PHASE AMPS:	50.5											DESIGN DEMAND AMPS: 56.7

PANEL NOTES (TYPICAL ALL PANELS):
A - PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE.
B - PROVIDE HACR CIRCUIT BREAKER.
C - PROVIDE GFCI TYPE BREAKER
D - EXISTING CIRCUIT BREAKER. NO NEW LOAD.
BALANCE PHASE LOAD TO WITHIN 10%

PANEL 'HA' LOAD SUMMARY

	CONNECTED KVA	DESIGN FACTOR	DESIGN DEMAND KVA
LIGHTING	4.2	1.25	5.3
RECEPTACLES	11.9	1.0	11.9
SIGN	1.2	1.25	1.5
WATER HEATER	1.5	1.0	1.5
HVAC - LARGEST	18.3	1.25	22.9
HVAC - REMAINING	0.0	1.0	0.0
HVAC - NON COINCIDENT	0.0	0.0	0.0
MISCELLANEOUS	4.1	1.0	4.1
TOTAL KVA:	41.2		47.1
TOTAL AMPS:	49.6		56.7

NEW PANEL 'LA'

Location: Corridor	AIC: 10,000A											208Y/120 Volt, 3ø, 4w
Mounting: Surface												Main: MCB 100A
Circuit Description	KVA	CB	NO.	NOTE	A	B	C	NOTE	NO.	CB	KVA	Circuit Description
EXIT / EMERGENCY LIGHTING	0.1	20/1	1	A	X				2	20/1	0.4	CASH WRAP RECEPTACLE
TRACK LIGHTING	0.8	20/1	3			X			4	20/1	0.4	CASH WRAP RECEPTACLE
TRACK LIGHTING	0.6	20/1	5				X		6	20/1	0.4	CASH WRAP RECEPTACLE
BACK OF HOUSE LTGS. / R.R. LTGS / (EF-1)	0.7	20/1	7		X				8	20/1	1.1	CASH WRAP CONV. RECEPTACLES
SALES PENDANT LIGHTING	0.5	20/1	9			X			10	20/1	1.1	CASH WRAP CONV. RECEPTACLES
SALES PENDANT LIGHTING	0.5	20/1	11				X		12	20/1	0.8	BACK WRAP RECEPTACLES
CASH WRAP LIGHTING	0.3	20/1	13		X				14	20/1	1.3	BACK WRAP CLOSET RECEPTACLES
FITTING ROOM LIGHTING	0.5	20/1	15			X			16	20/1	0.4	DATA EQUIPMENT
CEILING RECEPTACLES	1.1	20/1	17				X		18	20/1	0.2	DETEX / DOORBELL / TIME CLOCK
CEILING RECEPTACLES	0.8	20/1	19		X				20	20/1	0.8	MANAGER DESK PLUGMOLD
STOREFRONT SIGN	1.2	20/1	21			X			22	20/1	0.6	MANAGER DESK RECEPTACLES
STOREFRONT LIGHTING	0.2	20/1	23				X		24	20/1	0.6	MANAGER DESK RECEPTACLES
SHOW WINDOW RECEPTACLES	1.5	20/1	25		X				26	20/1	0.7	RECEIVING DESK PLUGMOLD
SALES RECEPTACLES	0.8	20/1	27			X			28	20/1	0.2	RECEIVING DESK RECEPTACLE
SALES RECEPTACLES	0.8	20/1	29				X		30	20/1	0.2	SECURITY
SPARE		20/1	31		X				32	20/1	0.2	TELEPHONE
DUCT SMOKE DETECTOR	0.1	20/1	33			X		C	34	20/1	0.8	DRINKING FOUNTAIN / RR RECEPT.
EWH-1	1.5	20/1	35				X		36	20/1	0.7	AUX. COOLING MANIFOLD RECEPT.
SPACE			37		X				38			SPACE
SPACE			39			X			40			SPACE
SPACE			41				X		42			SPACE
					A	B	C					
CONNECTED KVA:	22.9				7.9	7.4	7.6					DESIGN DEMAND KVA: 24.3
CONNECTED HIGH PHASE AMPS:	65.8											DESIGN DEMAND AMPS: 67.4

PANEL NOTES (TYPICAL ALL PANELS):
A - PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE.
B - PROVIDE HACR CIRCUIT BREAKER.
C - PROVIDE GFCI TYPE BREAKER
D - EXISTING CIRCUIT BREAKER. NO NEW LOAD.
BALANCE PHASE LOAD TO WITHIN 10%

PANEL 'LA' LOAD SUMMARY

	CONNECTED KVA	DESIGN FACTOR	DESIGN DEMAND KVA
LIGHTING	4.2	1.25	5.3
RECEPTACLES	11.9	1.0	11.9
SIGN	1.2	1.25	1.5
WATER HEATER	1.5	1.0	1.5
HVAC - LARGEST	0.0	1.25	0.0
HVAC - REMAINING	0.0	1.0	0.0
HVAC - NON COINCIDENT	0.0	0.0	0.0
MISCELLANEOUS	4.1	1.0	4.1
TOTAL KVA:	22.9		24.3
TOTAL AMPS:	63.6		67.4

Lighting Fixture Schedule - Free People Station Twelve - August 20 2025

Qty.	Type	Image	Manufacturer	Description	Fixt. Watt	Catalogue #	Beam Spread	Mounting	Flange & Aperture Finish	Voltage	Lamp Image	Lamp Manf.	Lamp Watts	Lamp Catalogue # & Code	Location	Notes
											Lamp Information				Site Conditions	
20	D1		Lithonia	LED downlight, nominal 4" diameter aperture x 11-3/4"W x 9-1/2"L x 4"H steel housing, integral dimmable 0-10V driver, clear semi-diffuse aluminum parabolic reflector and white trim flange.	11	LDN4-30/10-L04-AR-LSS-MVOLT-GZ10-90CRI-TRW	Wide	Recessed	Clear semi-diffuse reflector and white trim flange	120-277	-	Lithonia (Integral LED)	10	1000 Lumen 3000°K 90+ CRI LED	Fitting Rooms	
6	D2		Lithonia	Same as type D1, except 1500 lumens.	18	LDN4-30/15-L04-AR-LSS-MVOLT-GZ10-90CRI-TRW	Wide	Recessed	Clear semi-diffuse reflector and white trim flange	120-277	-	Lithonia (Integral LED)	18	1500 Lumen 3000°K 90+ CRI LED	Cash Wrap	
27	D3		Lithonia	Same as type D1, except 3000 lumens.	32	LDN4-30/30-L04-AR-LSS-MVOLT-GZ10-90CRI-TRW	Wide	Recessed	Clear semi-diffuse reflector and white trim flange	120-277	-	Lithonia (Integral LED)	32	3000 Lumen 3000°K 90+ CRI LED	Sales	
11	F4		Tracelite	LED strip light, nominal 3" W x 3-1/2" H x 4' L, steel housing, integral driver, overall white finish. Suspension mount at height shown on architectural drawings in open ceilings or surface mount in gypsum ceilings.	40	SLS-4-40-C	Wide	Suspended	White	120-277	-	Tracelite (Integral LED)	40	5200 Lumen 3500°K 80+ CRI LED	BOH	
58	H1		Juno	LED trackhead, nominal 3-1/2" diameter x 6-1/2"H aluminum head with integral driver (dimming where required), standard Juno Trac® style compatibility, Flood beam optics and White overall finish.	21	R610L-30K-90CRI-PDIM-FL-WH	Flood	Track Mounted	White	120	-	Juno (Integral LED)	21	1850 Lumen 3000°K 90+ CRI LED	Sales Accent Lighting	
6	L2A		Antares Lighting	LED striplight for mounting behind fitting room mirrors. Specification contains all components for (1) mirror setup. Fixtures nominal 1"W x 1-5/8"H x 45"L, extruded aluminum housing, frosted polycarbonate lens, integral driver, provide modular connectors with each fixture, 36" long interconnection cable, and 6'L leader cable. Surface mount behind mirror along sides as halo light.	5 PER FOOT	Fixtures: (2) GLX145E830 Connectors: (1) 3LC36 Leader Cable: (1) 3PC6	180°	Surface Mount	Natural Aluminum	120	-	Antares Lighting (Integral LED)	5 PER FOOT	430 Lumens Per Foot 3000°K 80+ CRI LED	Fitting Room Mirrors	Fixture has plug in power cord
6	M2		Indy	LED recessed multiple, 2-head downlight, nominal 8"W x 16"L aperture x 9"W x 24"L x 9"H steel housing, integral dimmable 0-10V driver, provide two narrow flood beam optics, each head to independently rotate minimum 360 degrees and tilt 45 degrees, overall white finish.	24	DCS30-2LH-N1-N2-10LM-30K-120-G3-90CRI-ZT-WH-HB28	Narrow Flood	Recessed	White	120-277	-	Indy (Integral LED)	12	1000 Lumen per Head 3000°K 90+ CRI LED	Sales General	
7	P0B		Tech Lighting	Surface mounted canopy and cord set with exposed medium base socket. 4-1/2" diameter canopy x 8 foot long cord. Overall white finish. Lamp with LED A19 style filament lamp as specified. Decorative shade to be added by GC.	-	700TDSOCOP-M-08-W-W	-	Suspended	White	120		Bulbrite	4	776502 A19 Style 300 Lumens 2200K 80+ CRI LED	Fitting Rooms	Mount 7'-0" AFF to B.O. Shade, not Bulb
3	P0A		Tech Lighting	Surface mounted canopy and cord set with exposed medium base socket. 4-1/2" diameter canopy x 8 foot long cord. Overall white finish. Lamp with LED A19 style filament lamp as specified. Decorative shade to be added by GC.	-	700TDSOCOP-M-08-W-W	-	Suspended	White	120		Bulbrite	4	776502 A19 Style 300 Lumens 2200K 80+ CRI LED	Cash Wrap	Mount 7'-6" AFF to B.O. Shade, not Bulb
139	TTX Note: X = Length in feet of track		Juno	Single circuit track, 1-3/8"W x 11/16"H x length as indicated on architectural drawings, 120 volt, White overall finish, standard Juno Trac® style compatibility. Surface mount, provide all accessories and components for fully functional track lighting system.	-	T-(LENGTH)-WH + ACCESSORIES AS REQUIRED	-	Surface	White	120		-	-	-	-	-
3	W3		Lithonia	Same as type D3, except provide wallwash reflector.	32	LDN4-30/30-LW4-AR-LSS-MVOLT-GZ10-90CRI-TRW	Wallwash	Recessed	Clear semi-diffuse reflector and white trim flange	120-277	-	Lithonia (Integral LED)	32	3000 Lumen 3000°K 90+ CRI LED	Cash Wrap	
3	EMW		Lightalarms	Thermoplastic emergency lighting unit with adjustable 6V-4W MR16 LED heads, wall mounted, white finish, and 90 minute minimum battery backup.	8	LCA-2LD1	-	WALL / PENDANT	White	120	-	-	-	-	-	-
5	EHC		Chloride Lighting	Flush recess mounted emergency light with three 2.2W LED lamps heads, and 90 minute minimum battery backup.	6.6	CLUR3NW	-	Ceiling Recessed	White	120	-	-	-	LED Lamps supplied with fixture	Sales areas	-
2	EEW-G		Lightalarms	Thermoplastic Exit sign with Thermoplastic Emergency Lighting unit with adjustable 6V LED heads, self powedered, 120V, Wall Mount, White finish, Green Letters. Battery back-up rated for minimum 90-minutes.	8	UQLXN500G-2LED, wired for 120V	EXIT	Wall Mount	White	120	-	-	-	LED supplied with fixture	BOH areas	Replaceable knockout directional chevron's
4	EZC-G		Contech Lighting	Adjustable Recessed or Surface Mount LED Edge-Lit Exit Sign with Battery Back-Up, 120V, Ceiling Mount, **White** finish, **Green** letters	3	Double Face: REXA-DF-G-EM-C-P, wired for 120V Single Face: REXA-SF-G-EM-C-P, wired for 120V	EXIT	Ceiling Mount	White, clear acrylic faceplate	120	-	-	-	-	-	-

GENERAL LUMINAIRE SCHEDULE NOTES:

1. INSTALLATION OF LUMINAIRES SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO CODE REQUIREMENTS.
2. ALL LUMINAIRES SHALL BE SUPPLIED BY URBAN OUTFITTERS UNLESS NOTED OTHERWISE.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE U-CHANNEL (UNI-STRUT OR EQUAL) TO SPAN STRUCTURAL MEMBERS AND PROVIDE SUPPORT FOR LUMINAIRES.
4. ALL LUMINAIRES SHALL BE RECEIVED, UNLOADED, INVENTORIED, HANDLED, STORED, PROTECTED, UNCRATED, ASSEMBLED, INSTALLED, WIRED, LAMPED ETC. BY THE ELECTRICAL CONTRACTOR (EC). EC SHALL CONFIRM CONDITION, QUANTITY, AND SPECIFICATION OF FIXTURES UPON RECEIPT. EC SHALL IMMEDIATELY REPORT ANY DAMAGE, MISSING ITEMS OR DEVIATIONS FROM SPEC.
5. EXIT AND EMERGENCY LUMINAIRE TYPES AND LOCATIONS ARE SUBJECT TO BUILDING DEPARTMENT AND FIRE DEPARTMENT APPROVAL.
6. ALL LUMINAIRES, WIRING METHODS, ETC. WITHIN A PLENUM CEILING MUST BE "PLENUM APPROVED" AS PER LOCAL ORDINANCES.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LUMINAIRES.
8. INSTALLATION OF LUMINAIRES SHALL BE CAREFULLY COORDINATED WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND SPRINKLER DRAWINGS TO AVOID CONFLICTS. IF CONFLICTS SHOULD ARISE, EC SHALL CLARIFY WITH ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.
9. LUMINAIRE QUANTITIES ARE SHOWN FOR A GUIDE ONLY AND TO CONFIRM ENERGY CODE COMPLIANCE. ELECTRICAL CONTRACTOR SHALL CONFIRM ALL LUMINAIRE QUANTITIES WITH PLAN DRAWINGS PRIOR TO SUBMISSION OF BID. ALL DISCREPENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AT LEAST ONE WEEK PRIOR TO SUBMISSION OF BID. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE QUANTITIES OF FIXTURES NECESSARY TO COMPLETE THE PROJECT AS INDICATED ON THE ARCHITECTURAL AND ELECTRICAL DRAWINGS.

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10/31/2025

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LUMINAIRE AND PANEL SCHEDULES

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DIVISION 16 - ELECTRICAL
SECTION 16010
GENERAL PROVISIONS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. The General Conditions, Supplementary Conditions, and General Requirements apply to the Work specified in this Section.

1.02 DESCRIPTION

A. This Section defines the General Provisions which are common to all Sections of Division 16.

B. Work Included:

1. All electrical work herein specified and/or shown on Drawings unless noted otherwise.
2. Installation shall be complete from location designated by the Electric Utility Company as point of service connection, to the final connection of motors, fixtures, devices, apparatus or pieces of equipment, unless modified by Drawings or these Specifications.
3. The Electrical Drawings and Specifications shall be understood to cover complete operating system. The Drawings and Specifications are to be taken together. Work specified and not shown, or Work shown and not specified shall be performed or furnished as though mentioned in both Drawings and Specifications.
4. Minor items and accessories reasonably inferred as necessary to the complete and proper operation of any system, shall be provided by this Contractor or Subcontractor for such systems.

C. Description of Systems:

1. Complete power wiring to switchboard, panels, motorized equipment, motors, equipment cabinets, and miscellaneous outlets.
2. General wiring for power, lighting, and miscellaneous systems.
3. Materials and equipment for electrical work.
4. Motor and equipment wiring.
5. General and emergency lighting and power systems.
6. Wiring of equipment furnished by others.
7. Motor Starters.
8. Empty conduit system and backboxes for telephone system.
9. Reconnection of all relocated electrical equipment (where applicable).
10. Power and empty conduit system and backboxes for Owners security system.
11. Power and empty conduit system and backboxes for Owners computer/POS system.
12. Power, empty conduit system, backboxes and wiring for Owners CCTV system.
13. Power and empty conduit system and backboxes for Owners sound system.
14. Power and empty conduit system and backboxes for Owners telephone system.
15. Power and empty conduit system and backboxes for Owners Checkpoint EAS system.
16. Fire, smoke, and heat detection system where required by local code authorities.
17. Energy management system.
18. Door bell system.
19. Power and empty conduit system and backboxes for Owners employee timecard system.
20. Temporary Electrical for construction.
21. All other equipment, material, devices, accessories required and/or shown on the Drawings.

D. Definitions - As used within the Contract Documents:

1. The term "Contractor" shall be understood to mean the Electrical Contractor or Electrical Subcontractor.
2. "Circuitry" shall mean any electric work (not limited to light and power distribution) which consists of wires, cables, raceways, and/or specialty wiring method assemblies taken all together complete with associated junction boxes, pull boxes, outlet boxes, joints, couplings, splices and connections, except where limited to a lesser meaning by specific description.
3. "Wiring" shall mean the same as Circuitry.
4. "Package Unit" shall mean an item of equipment having one or more motors or other electric energy consuming elements integrally factory mounted on a single base, complete with all associated control devices and interconnecting wiring.
5. "Normal Electric Work Conditions" means locations within building confines which are neither damp, wet, nor hazardous, and which are not used for air handling.
6. "Raceway" shall mean any pipe, duct, extended enclosed, or conduit (as specified for a particular system) which is used to contain wires, and which is of such nature as to require that the wires be installed by a "pulling in" procedure.
7. "Concealed" (as applied to circuitry) means covered completely by building materials, except for penetrations(by boxes or fittings) to a level flush with the surface as necessitated by functional or specified accessibility requirements. Unless directed otherwise, all outlet boxes in walls are to be concealed.

E. Fees and Permits:

1. Obtain all permits and pay all inspection fees required for the complete electrical system.

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Only new products will be acceptable unless otherwise noted.
2. The Electrical Contractor and his Subcontractors shall only employ workmen who are skilled in their respective trades.
3. All equipment, material, fixtures, devices, articles, accessories or products included in the Contract shall be of the exact make, model or catalog number, size, form and of the characteristics specified.

B. Requirements of Regulatory Agencies:

1. All electrical work shall be in accordance with the National Electrical Code (N.E.C.), (check with local inspector for edition), and other governing bodies which have jurisdiction over this project.
2. Where applicable, all fixtures, equipment and materials shall be as approved or listed by the following agencies:
   a. Factory Mutual Laboratories.
   b. National Fire Protection Association.
   c. Underwriters Laboratories, Inc. (UL)
   d. National Electrical Manufacturers Association (NEMA)
   e. Americans with Disabilities Act (ADA)

C. Allowable Tolerances:

1. Review Architectural, Structural and Mechanical Drawings for all dimensions, locations, partitions and walls, structural details, and location of mechanical pipes and ducts so that the electrical installation shall be in harmony with that of the other trades.
2. Exact size, location, and electrical requirements of equipment furnished by other trades and wired by this Contractor shall be obtained from the Drawings of the other trades. Report all discrepancies at time of bidding.

1.04 SUBMITTALS

A. A minimum of 3 copies of all shop drawing submittals shall be submitted to the general contractor a minimum of 3 weeks prior to the start of any construction.

B. Shop drawings shall consist of installation, maintenance and operating manuals and instructions for all equipment.

1. Submit cut sheets of all devices
2. Provide shop drawings for all distribution equipment including panelboards, transformers, disconnects and starters.
3. Fire alarm equipment and diagrams in accordance with section 16721.

1.05 APPROVAL DRAWINGS

A. Prepare and submit for approval to local code authorities such additional electrical drawings, diagrams, and specifications as are required by:

1. Local Fire Prevention Bureau
2. Local Building Department - Electrical Inspection Section
3. Local Utility Company Metering Department

1.06 EXAMINATION OF THE SITE

A. All Contractors submitting proposals for this work are requested to visit the existing site. Failure to visit the existing site will in no way relieve the successful bidder from the necessity of furnishing any materials or performing any work that may be required to complete work in accordance with Drawings and Specifications without additional cost to the Owner.

1.07 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Exercise care in transporting and handling to avoid damage to fixtures, equipment and materials.

B. Store materials on the site so as to prevent damage.

C. Keep fixtures, equipment and materials clean, dry and free from deleterious conditions.

D. Where items of electrical equipment and/or materials are furnished by others for installation by Electrical Contractor, Electrical Contractor will be held responsible for the unloading of such equipment and/or materials from the delivery truck. He shall check equipment and/or materials upon receipt and notify party furnishing item of any damaged or missing equipment. He shall coordinate installation with Contractor providing equipment.

1.08 GUARANTEE

A. Provide one year guarantee for all fixtures, equipment, materials and workmanship, upon final acceptance by Owner.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Refer to individual Sections of Division 16.

PART 3 - EXECUTION

3.01 INSTALLATION/APPLICATION/PERFORMANCE/ERECTION

A. Excavating and Backfilling:

1. The Electrical Contractor shall do all excavating and backfilling required for the installation of any and all parts of his work requiring excavation. He shall also do all sheathing and bracing required for the installation of his work. He shall provide and operate pumping equipment, if required, to keep the trenches free of standing water. All work shall comply with requirements given in Section 02200.
2. The above shall include all excavation of every character, including rock, if encountered. Contractor shall visit the premises and determine for himself, by actual observations, boring, or other means, the nature of the soil conditions. The cost of all such inspections, boring, etc., shall be borne by the Contractor.
3. All excavations are to be so conducted that no walls or footings shall be disturbed or injured in any way.
4. Remove all surplus earth not needed for filling and dispose of same as specified under architectural division of work.
5. All backfilling shall be thoroughly tamped and settled in a manner as is proper for the particular type of work.
6. Where it is necessary to install work in or across roads, pavements, curbs, sidewalks, etc., this Contractor shall restore the present construction to its original or better condition if disturbed by his operation at no additional cost to the Owner.

B. Application, Installation:

1. In the event that conflicts, if any, cannot be settled rapidly and amicably between the affected trades, with work proceeding in a workmanlike manner, then the Architect/Engineer shall decide which work is to be relocated and his judgement shall be final and binding on this Contractor.
2. No measurements of a Drawing by scale shall be used as a dimension to work by. The Drawings are not intended to show complete or accurate details of the building in every respect. Exact locations and relations are to be defined in the field and shall be satisfactory to the Architect/Engineer. This Contractor shall take all field measurements and shall be responsible therefore.
3. Compare Drawings and Specifications, checking all measurements and determine intent of Contract Documents. Discrepancies shall be brought to the Architect/Engineer's attention for interpretation prior to any installation.
4. The right is reserved to make any reasonable change in location of outlets and equipment prior to roughing-in without involving additional expense. Any change from the Electrical Drawings as is necessary to make the work of this Contractor conform to the building as constructed and to fit the work of other trades shall be included in Contractor's Contract and installed without extra cost.

3.02 FIELD QUALITY CONTROL

A. Testing:

1. After wires are in place and connected to devices and equipment, the system shall be tested for shorts and grounds.
2. All hot wires, if shorted or grounded, shall be removed and replaced.
3. A voltage test shall be made at the last outlet on each circuit. If drop in potential is excessive, Contractor will be required to correct the condition by locating partly grounded conductor or high resistance splice.
4. All grounds, shorts and high resistance splices shall be rectified.
5. Any wiring device, electrical apparatus or lighting fixture furnished under this Contract, if grounded or shorted on any integral "live" part, shall be removed and the trouble rectified by replacing all defective parts or materials as directed.
6. Service ground to be tested per National Electrical Code requirement. Grounding pole of all receptacles to be tested.
7. All motors shall be tested under load with ammeter readings taken in each phase, and the RPM of motors recorded at the time. All motors shall be tested for correct direction or rotation. Electrical Contractor shall be responsible for testing running of all motors and shall verify that proper overload devices have been installed.
8. All meters, instruments, cable connections, equipment or apparatus necessary for making all tests, shall be furnished by this Contractor at his own expense.
9. Contractor shall submit proof of all tests to the Architect before final acceptance of the work.

3.03 ADJUST AND CLEAN

A. Cleaning Equipment, Completed Work and Premises: After the completion of all installations, each system shall be thoroughly cleaned to remove all paint, oil and other foreign material. Contractor shall also clean all foreign paint, grease, oil, dirt, labels and stickers, etc., from all fixtures, equipment, etc. The Contractor shall remove all rubbish, debris, etc., accumulated from his operations from the premises.

B. Demonstration: At the conclusion of the work and before final contract payment is made demonstrate and explain to the Using Agency's personnel, the function, operation and maintenance of all equipment and systems installed by this Division of the work and provide a copy of all tests performed.

C. Protect all equipment and systems against harmful exposures to, or accumulations of dust and moisture, flooding, corrosion or other forms of damage and clean and restore damaged finishes as may be required to place installations in a "like-new" condition before acceptance by the Architect.

3.04 SCHEDULES

A. Equipment Schedules: See Drawings for schedules of lighting fixtures, motor and equipment connections, switchboard, panelboards, distribution equipment, and related items.

3.05 APPROVALS

A. Obtain all permits and approvals from the governing bodies which have jurisdiction over this project.

3.06 IDENTIFICATION AND TAGGING

A. Provide all distribution switches and/or circuit breakers, starters, etc. whether individually mounted in panelboards, switchboards, etc., with suitable identification. The designation, using proper nomenclature, shall indicate the load served. Provide all feeders with suitable identification as to their designation in all junction boxes, pull boxes, gutter spaces through which they pass, and at their terminal points of connection. Identification of distribution switches or circuit breakers in panelboards shall be by means of panelboard directories. Identification of distribution switches or circuit breakers and starters individually mounted or in switchboards shall be by means of engraved lamacoid nameplates permanently fastened on the front face of the housing, showing 1/4" high white lettering on a black background. Identification of feed cables shall be by means of engraved fiber tags suitably fastened to the cables.

3.07 SLEEVES

A. Provide coring in walls and floor slabs for the passage of all conduits, pipes and ducts installed.

B. Cored holes in floor shall be provided with sleeves extended one inch above finished floor level and made watertight.

3.08 PAINTING

A. All equipment, panelboards, switchboards, etc., shall be factory finished in baked enamel or lacquer, or as specified. Standard factory finishes shall be approved. Any scratches shall be neatly touched up by the installing Contractor.

B. All metal work installed by this Contractor exposed to the weather and not factory finished shall be painted with two coats of oil paint of color selected by Architect.

C. All finish painting shall comply with the Painting Section of the Specifications.

3.09 CUTTING AND PATCHING

A. Perform all cutting and patching required to complete the Work, except where specifically shown on the Architectural or Structural Drawings.

B. Refer to Section 01070 for additional requirements.

3.10 TEMPORARY ELECTRIC SERVICE:

A. The electrical contractor shall provide temporary electrical wiring for construction use as follows:

1. Temporary service entrance and feeder as required with a fused main disconnect.
2. The electrical contractor shall provide temporary lighting and power throughout the space as required for construction use.
3. Contractor shall utilize existing electrical utilities where ever feasible.

3.11 STRUCTURAL CONDITIONS:

A. Notching and boring of structural members will not be permitted. If any conduit, boxes, etc need to be hung from structural steel, only hang from top flange of beams and top chords, and only panel points of joists and trusses.

SECTION 16100
BASIC MATERIALS AND METHODS

PART 1 - GENERAL

1.01 DESCRIPTION

A. This section defines the Basic Material and Methods which are common to all Sections of Division 16.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Conduit:

1. Electrical Metallic Tubing: EMT, "Thin wall" conduit shall in general be utilized where permitted by Code except where described herein.
2. Heavy-wall steel conduit shall be either hot dipped galvanized or sherardized.
3. Flexible conduit shall be Greenfield type except, where exposed to oil, grease, or water - then conduit shall be Sealtite.
4. Conduit Fittings:
   a. Rigid & IMC: Threaded.
   b. Thin-Wall: Compression Type.
   c. Flexible: Connectors shall be compatible with flexible conduit used.
5. Conduit shall be as manufactured by Allied, National Electric, Republic or Triangle.
6. Flexible liquid tight conduit as manufactured by Anaconda, Simplex, or International Metal Hose.
   7. Minimum conduit size is 3/4". Contractor shall utilize larger conduits where required and/or specified.

B. Wires and Cables:

1. All wire shall be type THHN/THWN copper.
2. Wire smaller than # 10 shall be solid; # 10 and larger, stranded.
3. Where light fixtures are wired in continuous rows, wire pulled through fixtures shall be type SF2.
4. Final connections to heating equipment where shown, type SF2.
5. Cable and wire shall be as manufactured by Alcoa, Anaconda, General Cable, Triangle, Simplex, Hatfield, Bell, Alpha, and Coleman Cable and Wire.

C. Color Coding: Color coding shall be used throughout the entire electrical system:

For 120/208V., 3PH. systems

1. "A" Phase - Black - all gauges.
2. "B" Phase - Red - through #6. Larger black with phase markers.
3. "C" Phase - Blue - through #6. Larger black with phase markers.
4. Neutral - White - through #6. Larger black with phase markers.
5. Grounding Wire - Green, insulated.
6. Isolated Ground wire - Green with yellow stripe
7. Control Wire - Colors other than above.

For 277/480V., 3PH. systems

1. "A" Phase - Brown - through #6. Larger black with phase markers.
2. "B" Phase - Orange - through #6. Larger black with phase markers.
3. "C" Phase - Yellow - through #6. Larger black with phase markers.
4. Neutral - Grey - through #6. Larger black with phase markers.
5. Grounding Wire - Green, insulated.
6. Isolated Ground wire - Green with yellow stripe
7. Control Wire - Colors other than above.

D. Wire Pulling Lubricant: Use of wire pulling lubricant is optional; but, if needed to prevent damage to the conductors, it must be listed by Underwriters Laboratories and be of such consistency that it will leave no obstruction or tackiness that will prevent pulling out old wires or pulling in new wires or additional wires.

E. Electrical Connections, Terminals and Splicing shall be in accordance with Section 110-14 of the NEC. Connection materials and equipment must be given special attention when using dissimilar metal conductors, etc.

F. Outlet, Pull and Junction Boxes:

1. Boxes shall be 12 gauge or heavier steel, sherardized or galvanized to prevent rusting and shall have readily removable knockouts.
2. Pull boxes and pull fittings shall be accessible with removable covers secured with machine screws.
3. Junction boxes shall be minimum 4" square or octagon, not less than 2" deep, deeper if required by the number of wires or construction, with appropriate covers. Provide with 3/8" stud where lighting fixture is suspended from box.
4. All switch and receptacle outlets shall be equipped with minimum 4" box. Gang boxes shall be provided where groups of switches occur. All boxes shall be equipped with proper raised covers, mounted at heights shown on Drawings, or as directed. The approximate location of outlet boxes is shown on the Drawings, but care shall be taken to install all outlets with proper relation to equipment or material to be installed by other trades. Special outlets shall have proper boxes to accommodate special equipment. Outlet boxes in masonry shall be or proper depth to allow conduit to be installed without cutting of shell of blocks, etc.
5. Outlet boxes shall be as manufactured by Appleton, Steel City, Raco or Crouse-Hinds.
6. Boxes for all exterior conduit, or conduit mounted in exterior walls, shall be cast iron boxes, type "FS" or "FD", as manufactured by Crouse-Hinds, Appleton, Pyle National, Or Killark and provided with gasketed watertight covers. Fittings shall be pull type with gasketed covers.
7. Flush floor boxes in above grade floors shall be shall be Hubbell # B2529 series steel shallow floor box with # SF3925 Brass Duplex flap cover. Provide S3925 where carpet flange is not required. Provide all necessary trim and adjustment components.
8. Flush floor boxes in floors in contact with earth shall be shall be Hubbell # B2524 cast iron series shallow floor box with # SF3925 Bras Duplex flap cover with integral carpet flange. Provide S3925 where carpet flange is not required. Provide all necessary trim and adjustment components.
8. Flush mounted poke through devices shall be Hubbell # PT7FSDBRS2A with standard prewired duplex receptacle and brass duplex flap cover with carpet flange. Utilize Hubbell # PT7IGFSDBRSA with isolated ground prewired duplex receptacle and brass duplex flap cover with carpet flange.
9. Utilize one piece poke through device with single 3/4" knockout for cashwrap power feeds where appropriate. Provide Hubbell # PT7FFSDGY.
10. Utilize large capacity poke through device with single 2" knockout for cashwrap low voltage feeds where appropriate. Provide Hubbell # PT2FIT with adapter from 2" knockout to 1 1/4" conduit.

G. Disconnect Switches:

1. Switches shall meet NEMA enclosed switch standards KS1, current edition. Switches shall be quick-make, quick-break so that operation of the contacts shall not be capable, during normal operation of the switch, of being restrained by the operating handle after the opening or closing of the contacts has started.
2. All safety switches shall be heavy duty of voltage matching equipment served, NEMA 1 for indoor use and NEMA 3R for outdoor use. All switches shall utilize 75 C terminations. Switches shall be as manufactured by Cutler Hammer, General Electric, Square D, or Siemens ITE.

H. Fuses: Furnish and install all fuses. Fuses shall be Bussman "Fusetron", dual element, current limiting type, unless specifically noted otherwise.

I. Switches:

1. Except where otherwise specified, wall switches shall be mounted in suitable outlet boxes in the walls, partitions, or as shown on Drawings.
2. Wall switches shall be located as indicated on the Drawings, arranged singly or in gangs and at the height specified or indicated and shall have proper covers with finishes specified herein. Switches shall be as follows unless otherwise called for on Drawings or hereinafter specified. (Contractor shall check architectural drawings for additional information.)
   a. Light switches shall be toggle 20amp, 120/277 Volt Specification grade.
   b. SPST Hubbell #1221; P & S #20AC1; Leviton #1221
   c. 3-way Hubbell #1223; P & S #20AC3; Leviton #1223
   d. 30A-SPST (Motor Disconnect): Hubbell #3031; P & S #30AC1; Leviton #3031. Coordinate location with mechanical trades.
3. Verify door swings before installing switchboxes and install the boxes on the latch side of the door unless otherwise directed by the Architect.

J. Receptacles:

1. Receptacle shall be located as shown on the Drawings and at the heights specified or indicated. Receptacle and power outlets shall be of the grounding type and as manufactured by Hubbell, Pass & Seymour, or Leviton.
2. Duplex Convenience Receptacles: 20A.,2 Pole, 3 Wire, 125 Volt, (NEMA designation 5-20R) Specification Grade.
   a. Pass & Seymour #5362
   b. Leviton # 5362
   c. Hubbell # 5362
3. Special Receptacles and Floor Boxes: As indicated on Drawings.
4. Ground fault circuit interrupter to be provided for receptacles outdoors, in toilet rooms, and within 6' of sinks.

K. Switch and Receptacle Plates:

1. Plates for switches and receptacles shall be thermoplastic type and of finish to match outlet or device.
2. Provide multigang or combination plates for devices grouped in gang or combination.
3. Provide plate with separate spring type cover for each outlet of waterproof duplex receptacles mounted on FA or FD box. All outdoor plates shall be weatherproof while in use type.

L. Circuit Breakers:

1. All circuit breakers serving lighting fixtures shall be switch rated "SWD".
2. Circuit breakers shall be as manufactured by Cutler Hammer, Square D, General Electric or Siemens ITE. Where existing equipment is being utilized, new circuit breakers shall be provided of type, size, manufacturer and AIC rating to match existing.

M. Motors, Control Panels, Etc., Furnished by Others:

1. Check the Drawings and Specifications covering all branches of the work to ascertain what equipment is furnished by others. It will be this Contractor's responsibility to furnish the necessary labor and materials to receive and wire said equipment. Check the Plumbing and Mechanical Drawings and Division 15 of the Specifications carefully for wiring by the Electrical Contractor.

N. Motor Starters: Furnish, install, and wire all motor starters as shown on Drawings. Characteristics are as follows:

1. Each 3 phase starter shall be in a NEMA 1 enclosure, combination, magnetic across the line as scheduled on the Drawings. Each starter shall have H.O.A. feature and 120 volt control transformer.
2. Each starter for 120 volt motors as shown shall be in NEMA 1 enclosure and of the thermal toggle type. Where pilot lights are indicated, same shall be built into enclosure. Flush boxes shall be provided where starters are shown in finished areas.
3. Starters shall be as manufactured by Cutler Hammer, Square D, or General Electric or Siemens ITE.

O. Floor boxes: Furnish, install, and wire all floor boxes as shown on Drawings. Characteristics are as follows:

1. Floor boxes shall be stamped steel with adjustable floor leveling screws as manufactured by Wiremold 885B shallow service type.
2. Provide Wiremold 895TCAL 5 1/4" carpet flange for all specialty floor installations including hardwood floor applications.
3. Finish shall be brushed brass.

PART 3 - EXECUTION

3.01 PREPARATION/INSTALLATION/APPLICATION

A. Conduit:

1. Installation - conduit:
   a. Conduit to be run exposed in unfinished areas such as mechanical, electrical room, stock rooms, and Urban Outfiiters Sales floors. All other conduit shall be concealed. Provide trapeze support structure as detailed on electrical drawings to carry all exposed conduit back to stock area and back of house.
   b. Run parallel or perpendicular to exterior walls of building.
   c. Locate to avoid equipment, fixtures, ductwork, piping, etc.
   d. Layout and install work in advance of the laying of floors, walls, etc., and furnish and install all sleeves that may be required for openings through floors, walls, etc.
   e. Where conduit is to be run exposed, furnish and install all inserts and clamps for the supporting of conduit.
   f. If contractor does not properly install all sleeves and inserts he will be required to do the necessary cutting and patching later at his own expense, and to the satisfaction of the Architect.
   g. Do not obstruct openings or passageways.
   h. Where conduit passes through floors or through smoke and fire walls, space between conduit and floor or wall shall be filled with cement grout.
   I. Radius of bends shall be not less than six(6) times internal diameter. Any run of conduit shall not include more than the equivalent of four(4) quarter bends.
   j. Sales floor of Urban Outfitters shall be completely hard piped with EMT. MC cable or flexible conduit shall not be utilizied except where specifically detailed. Layout of conduit must be reviewed with general contractor and UO CPM to confirm layout is acceptable. Conduit routing on the sales floor is an aesthetic piece of the architectural design of the store. Contractor shall receive approval from the architect and construction manager prior to any installation of conduit on the sales floor.
   k. Provide expansion fittings for all conduits at expansion joints.
   l. MC cable may be utilized within wall cavities and back of house areas where permitted by local code authorities.
2. Cutting Conduit:
   a. Measure and cut conduit from job site conditions, not from Drawings.
   b. Conduit shall be cut square and butted solidly into fittings.
   c. On rigid conduit, cut conduit full and clean with sharp dies. Ream ends of pipe after cutting and before assembly to remove burrs.
   d. Ream thin-wall conduit (EMT) after it is cut.
3. Liquid Tight and Flexible Conduit:
   a. Liquid tight flexible conduit shall be installed in such a manner that liquids tend to run off the surfaces and not drain toward the fittings.
   b. All runs of flexible conduit shall be as short as practical, of the same size as the conduit it extends and with enough slack to reduce the effects of vibration. A minimum of 24 inches of flexible conduit shall be installed.
   c. Where the fittings are brought into an enclosure with a knockout, an insulated throat type fitting with liquid sealing "O" ring shall be used.
   d. Flexible metal conduit shall be installed for all final equipment connections to transformers, light fixtures (lay-in type) and all other devices where so required.
4. Type of Conduit:
   a. The following areas shall be galvanized steel heavy wall conduit or IMC:
      1) In earth fill.
      2) Exposed in wet areas.
      3) Exposed outdoors (Provide watertight fittings & boxes).
      4) Outside masonry walls.
      5) Within building confines run in concrete slab. Couplings for conduit run in poured concrete shall be concrete tight.
   b. Conduit run in dry areas within building confines shall be EMT. Dry areas are inside partitions, ceiling cavities and areas not subject to damage. Outside walls are not considered dry areas.
5. Supporting of Conduit:
   a. All conduits must be independently supported from structure. No conduits shall be supported from the ventilating ducts, ceiling hangers, mechanical piping or their hangers.
   b. All surface run conduit one inch(1") and smaller shall be supported every five feet with one hole straps with clamp backs. Perforated strap hangers will not be permitted.
   c. Hangers shall be proportioned for the weight of the conduit(s) supported. All rods, clamps and/or hangers shall be galvanized, bonderized, plated or painted. Where factory supplied, with one of the above rust resistant finishes, all field cuts and threads are to be painted and covered with a grey finishing paint.
   d. Trapeze type hangers may be used where several conduits occur at the same elevation. The spacing of such trapeze hangers shall be determined by the electrical code spacing requirements for the smallest conduit in the run.
   e. Approved type inserts for support of work in cast or concrete construction.
   f. Approved type steel beam clamps in the case of steel construction.
6. Where holes or recesses must be cut in walls, floors, ceilings, or any part of the building to admit apparatus, conduit or other work of this Contractor, he must have it done by a competent mechanic in a neat and workmanlike manner. The portions cut must be restored to their original condition at the expense of this Contractor. This Contractor shall provide for all of his own cutting and patching.
7. All conduits run in or below any grade slab shall be heavy wall conduit and entirely encased in 2" of concrete. In no case shall conduit be laid in fill below slab. Conduit shown as plastic shall be schedule 40.
8. 3/4"D. minimum conduit shall be utilized.
9. Provide:
   a. Supplementary angles, channels, plates, etc., where supports are required between building's structural members, spanning the space and attached to building structural members, by welding, bolting or with concrete anchors.
   b. All rods, angles, rails, struts, brace plates, platforms, etc. required for suspension or support of conduit and equipment.
   c. Straps, clamps, threaded rods, turnbuckles, anchors, etc., and all miscellaneous specialties for the attachment of hangers and supports to the structure.
10. Unless otherwise noted on the Drawings, the following shall apply:
   a. Convenience outlets shall be placed on separate circuits from motor and lighting outlets.
   b. Motors shall be placed on separate circuits from lighting outlets.
   c. Convenience outlets shall not be installed back to back.

B. Motor and Equipment Wiring:

1. Unless indicated or specified elsewhere perform the following:
   a. Connect and wire to each motor and piece of electrically operated equipment shown on the Drawings or as specified in these Specifications.
   b. Furnish, install and connect all starters, controller selector switches, pilot lights, pushbuttons' stations for each motor and piece of electrically operated equipment shown on Drawings, or as specified in the Specifications, unless otherwise indicated.
   c. Furnish and install all wiring from the current source to all starters and from starters to motors, except in the case of factory installed wiring packaged equipment. Wire to the line side of all prewired equipment.
   d. Furnish and install a disconnect switch ahead of all prewired package equipment. Coordinate with Mechanical Trades Contractor.
   e. Install all roughing-in pertaining to each item of equipment furnished under other Sections of the Specifications or by the Owner. Locations of electrical outlets for this equipment are indicated on the Drawings in their approximate locations. The supplier furnishing the equipment will furnish dimensional drawings accurately locating all roughing-in required for his equipment.
   f. Receive, set and align motors which are shipped loose if local union or trade jurisdiction practice requires doing so.
   g. Provide all control circuit and interlock wiring and connections for all mechanical equipment as indicated and scheduled on the Drawings.
2. If a disconnect switch is required by the enforcing code and not indicated on the Drawings or in the Specifications, it shall be furnished and installed.
3. Where specific locations of switches and starters are not shown on the Drawings, these shall be placed near the motor.

C. Thermostats:

1. Refer to energy management section of specifications for thermostat specification as well as details on plan drawings for energy management system.
2. Provide a 4" square backbox with plaster extension ring with 3/4" conduit and associated wiring from each thermostat to appropriate mechanical equipment. Refer to wiring diagrams on drawings for additional information.

C. Conductors, Cables:

1. Except where otherwise shown on the drawings all wiring shall be installed in conduit.
2. Conductors and cables shall not be installed in conduit or raceways until same are free from moisture and debris.
3. Leave a minimum of six inch(6") length of cable and conductor slack at each outlet.

D. Expansion Fittings:

1. Expansion fittings shall be installed in all conduits crossing expansion joints. Refer to Architectural drawings for locations.

E. Prohibited wiring methods:

1. BX, AC, NM, NMC, NMS, UF, USE, SE, FCC.

SECTION 16400
SERVICE AND DISTRIBUTION

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. The General Conditions, Supplementary Conditions, and General Requirements apply to the Work specified in this Section.

B. Section 16010, "General Provisions - Electrical", applies to the work specified in this Section

1.02 DESCRIPTION

A. Work Included:

1. Complete electrical service and secondary distribution system.
2. All charges by the Local Utility Company for construction related work. Owner charges will be paid by the Owner.
3. System Grounding per the local Utility Company and the N.E.C.
4. Main distribution panelboards and lighting panelboards as scheduled.
5. Utility approved current transformers and meter fittings.
6. Utility Company transformer support pad and primary conduit(s).
7. Complete secondary 120/208 volt, 3 phase, 4 wire or 277/480 volt, 3 phase, 4 wire 60 hertz service from the secondary side of pad mounted transformer into the building main service overcurrent protective device.
8. Tenant metering where shown and required.

PART 2 - PRODUCTS

2.01 EQUIPMENT

A. Main Distribution Panelboards:

1. Shall be as scheduled on the drawings.
2. Panelboard shall be enclosed in steel cabinet of rigidity and gauge of steel per UL Standard #50 for cabinets.
3. Acceptable manufacturers are Cutler hammer, Siemens ITE, General Electric and Square D.
4. Bus structure shall be copper not exceeding density of 1000 amps per square inch of cross section. Buss supports shall be adequate to withstand 42,000 amperes symmetrical short circuit stresses minimum.
5. Provide with a copper ground bus. The ground bus shall be fastened and bonded to the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements.
6. Panelboard shall be braced for short circuit capacities as scheduled by the local Utility Company; however, the minimum bracing shall be 42,000 A.I.C. symmetrical.
7. Each circuit breaker shall be equipped with an approved nameplate which indicates the name of the equipment (motor, panelboard, etc.) to which the feeder conductors are connected.

B. Building Metering: For metering furnish and install on the C/T compartment or on the exterior wall a mounting panel with all meter accessory equipment for mounting thereon the associated Utility Company's meter requirements.

C. Lighting and Appliance Panelboards:

1. Panels shall be type indicated on the Drawings, with main lugs, main breakers, bolt-on branch breakers, spares and spaces as scheduled. Ground fault interrupter (GFI) circuit breakers shall be provided where noted.
2. Panels shall comply with U.S. Federal Specification WP115a, Type I, Class I. Where applicable, provide with copper bus of density not exceeding 1000 amps per square inch.
3. The Electrical Contractor shall balance all circuits within 10 % phase to phase. All conductors shall be continuous without splicing from last outlet to their terminals in cabinet. All circuit conductors in cabinet shall be installed with sufficient amount of length to reach the most remote breaker connection from its point of entrance.
4. Panelboard fronts shall be fabricated from a flat piece of full finished code gauge sheet steel with door cut out leaving a trim of proper width around the door. Provide a latching mechanism controlled by a chrome plated vault-handle on doors twenty-four inches(24") or over in height. All Locks to be keyed alike to the panel manufactures's standard key. Two(2) Keys shall be furnished with each cabinet.
5. Contractor shall provide a directory of circuits for cabinet. Directory shall be typewritten designating room or equipment and circuit numbers. Directory frame, lock, hinges, etc., are to be secured to inside of door and trim in such a manner that screws, holes or welds, etc., are not visible on the door panel or trim.
6. The width and height of cabinets shall be sufficient to provide a wiring gutter at the two sides and at the top and bottom of not less than 4". Additional width or height shall be provided, if required for entering conduits. Additional wiring gutter space shall be provided, if required for main or sub-feeder cables passing through to feed other cabinets.
7. Where 2 or 3 pole breaker units are called for, they shall be one unit with common trip and not single pole units with handle ties. Capacity of main busses shall be as shown on the Drawings.
8. Provide with a copper ground bus. The ground bus shall be fastened and bonded to the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements.
9. Provide with a copper isolated ground bus where specifically indicated on the panel schedules. The ground bus shall be isolated from the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements. Provide an isolated ground conductor to point of service ground within raceway(s) containing feeder conductors.
10. Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE.
11. Panelboards shall be braced for short circuit capacities as scheduled by the local Utility Company with no less than 14,000 AIC for 277/480 volt panelboards and 10,000 AIC for 120/208 volt panelboards. All panelboards shall be fully rated for the available fault current. Series rating of panelboards is not acceptable.
12. All breakers utilized for switching lighting shall be labeled switching duty type.

D. TRANSFORMERS

1. All transformers shall be 115 degree C temperature rise above a 40 degree C ambient.
2. Sound levels shall not exceed Nema Standards.
3. All windings shall be aluminum.
4. All transformers shall be energy star complain and NEMA TP-1 rated for energy efficiency.
5. Provide a 6" concrete pad for floor mounting of each transformer. Provide a vibration isolation pad for each transformer.
6. Provide a conduit with grounding electrode sized per NEC to point of service ground.
7. Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE. Transformer shall match panelboard manufacturer.

E. LIGHTING CONTACTORS

NewStudio | architecture

free people

Free People
3065 Sheridan Dr.
Amherst, NY 14226

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Mechanical/Electrical Consulting Engineers
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STATE OF NEW YORK
PAUL J. FETTINGER
085651
LICENSED PROFESSIONAL ENGINEER
10/31/2025

DRAWN BY: LV CHECKED BY: DJQ/PJF
HEI PROJECT NUMBER: R25-5273.000
PROJECT PHASE: CD

ISSUE / DATE :

CHECK SET	10.10.2025
PERMIT SET	10.31.2025

SHEET TITLE :
ELECTRICAL SPECIFICATIONS

SHEET NO.:
E600

10/10/2023 11:01:40 AM

1. Lighting contactors shall be normally open type with 120 volt coils.
2. Quantity of poles shall be as specified on the plan drawings but not less than 4 per contactor.
3. Separate contactors shall be provided for 277 volt lighting and 120 volt lighting.
4. Interface lighting contactors with Novar system as indicated on drawings.
5. Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE. Contactors shall match panelboard manufacturer.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Electrical service, metering and main distribution shall be as shown on the Drawings and as herein specified.

B. System Grounding: Shall be in strict accordance with the National Electrical Code, Local Governing Authorities and in accordance with the recommendations of the Utility Company.

C. Electrical Service:
1. Electrical service shall be from the Utility Company's transformer at 3 phase, 4 wire, 60 hertz with voltage as specified on the Drawings.
2. Furnish and install the secondary service from transformer to the current transformer cabinet and into the main service switches as shown on the Drawings. Leave sufficient slack cable, at the transformer locations for connection of the secondary conductors to the transformer by the Utility Company.
3. This Contractor shall contact the Utility Company to obtain all information necessary for the work, incorporate their instructions into the work, and obtain their approval of all work and material. Include all contractor related costs in base bid.
4. Provide transformer support pad in accordance with the Utility Company's standards. Work shall include pad, trench for ground wire, conduits, ells and miscellaneous hardware.
5. The Utility Company will furnish, install and connect all primary service conductors. Unless specifically noted otherwise.

NOTE TO DESIGNER: Modify specification for proper scope of work in relation to the landlord provided elements.

D. Grounding:
1. Provide an electrically continuous ground system from service to all points of utilization. In general, all pieces of electrical equipment shall be grounded as required by Federal, State and Local Codes and regulations, but special attention is called to the following items to be grounded as indicated:
   a. All distribution equipment including switchboard, transformer and panelboards.
   b. Conduit and other metallic raceways.
2. In general where grounding wire is shown use green color.
3. Provide complete isolated ground system for cash register and telephone system and other systems as indicated on drawings. All circuits serving cash registers and POS system shall be isolated and segregated from other circuits.

SECTION 16500
LIGHTING SYSTEMS AND CONTROLS

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:
1. Receiving, installing and wiring lighting fixtures as shown on Drawings, Lighting Fixture Schedule, and as furnished by the Owner.
2. All fixtures shall be received, unloaded, inventoried, handled, stored, protected, uncrated, installed, wired, lamped etc. by the electrical contractor (EC). Contractor shall confirm condition, quantity, and specification of fixtures upon receipt. Contractor shall immediately report any damage, missing items, deviation from spec.
3. Installation of lighting fixtures shall be carefully coordinated with architectural, structural, mechanical and sprinkler drawings to avoid conflicts. If conflicts should arise, Contractor shall clarify with architect prior to proceeding with installation.
4. Refer to the Architectural Room Finish Schedules and Architectural and Structural details to determine conditions and finishes affecting the installation of the work. Include, to the full intent and meaning of these Specifications, all items of labor and materials necessary for design, detailing or adjustment of fixtures due to surrounding finishes and construction.

PART 2 - PRODUCTS

2.01 MATERIALS

A. All lighting fixtures and lamps shall be furnished by Owner unless specifically noted otherwise.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Fixtures: An outlet is to be provided for each fixture. All fixtures shall be located to suit the Architectural details of the areas involved. Unpack, assemble, wire and install all fixtures at the proper locations indicated on the Drawings.

B. Recessed Fixture Installation: Recessed fixtures shall be of type suitable for mounting in the type of ceiling as scheduled on the Drawings. Variations to catalog numbers indicated shall be made to assure proper mounting and fitting arrangements, prior to fabrication. Changes to be made by this Division Contractor must have prior written approval from the Architect.

C. Supports:
1. Each lighting fixture shall be rigidly supported from the building construction. Provide suspension hangers, stems and extra steel work for fixture support where required.
2. Confer with Ceiling Contractor to determine modifications required to make fixtures suitable for ceiling as installed.
3. Where recessed fixtures are called for, each shall be provided with the proper plaster frame or suitable adapter to receive the finished ceiling construction.
4. Where suspended acoustic tile ceilings on steel channels occur, outlets and fixtures shall be supported on members resting on the channel framework. In no case shall fixtures be supported from plaster or acoustic material.
5. Suspended fixtures shall be hung on suspension hangers furnished by the fixture manufacturer and shall be adjusted as necessary during installation to insure that all fixtures in the same room or area are at a uniform height from the floor. Mounting height shall be as specified, detailed or noted on the Drawings.
6. Any electrical lighting fixture which weighs more than 50 pounds shall be supported independently of the outlet box.
7. All fixtures with pendant lengths greater than 24" shall have two supports or be provided with a swivel type stem.

D. Fixture Wiring:
1. Fixtures shall be wired with white wire for the neutral and colored wire for phase wires, see Section 16100.
2. Housing of all fixtures must be grounded to conduit system.
3. Each fixture to be complete with holders, screws, sockets, wires, lamps, etc., as is necessary for a complete installation.

E. Operation and Controls:
1. Local switches as shown and wired.
2. Exit and directional signs shall be constantly on, and wired as shown.

SECTION 16600
SECURITY SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:
1. Provide necessary conduit and power for alarm and detection systems. This shall include the following:
   a. Dedicated 20 Amp., 120 Volt circuit (s).
   b. 3/4" conduit with pull wire to each door contact, sound detection, silent duress alarm, infrared sensor etc.

PART 2 - PRODUCTS

2.01 DESCRIPTION

A. All Equipment and associated installation and wiring of equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of any raceways and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION

3.01 RELATED DOCUMENTS

A. Performance:
1. Installation shall meet approval of the security system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16620
ELECTRONIC ARTICLE SURVEILLANCE (EAS) SYSTEMS

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:
1. Provide necessary conduit and power for alarm and detection systems. This shall include the following:
   a. Dedicated 20 Amp., 120 Volt circuit (s).
   b. 3/4" conduit with pull wire to floor mounted detector at sales floor entrance/exit.

PART 2 - PRODUCTS

2.01 DESCRIPTION

A. All Equipment and associated installation and wiring of equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of any raceways and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION

3.01 RELATED DOCUMENTS

A. Performance:
1. Installation shall meet approval of the EAS system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

END OF SECTION
SECTION 16630
CLOSED CIRCUIT TELEVISION (CCTV) SYSTEMS

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:
1. Provide necessary conduit and power for alarm and detection systems. This shall include the following:
   a. Dedicated 20 Amp., 120 Volt circuit (s).
   b. 3/4" conduit with associated wiring to each camera and monitor location. Refer to floor plans for locations.
   c. Low voltage cabling from CCTV head end location to each camera and monitor for final termination to devices by owner's vendor.

PART 2 - PRODUCTS

2.01 DESCRIPTION

A. All Equipment and associated installation and termination of wiring to equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of all raceways, wiring and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION

3.01 RELATED DOCUMENTS

A. Performance:
1. Installation shall meet approval of the CCTV system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16640
SOUND SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:
1. Provide necessary conduit and power for sound system. This shall include the following:
   a. Dedicated 20 Amp., 120 Volt circuit (s) within office for amplifier and sound rack and on sales floor for DJ rack where required.
   b. 3/4" conduit with pull wire to speaker and device location. Refer to floor plans for locations. Each speaker does not require an independent conduit home run to the office equipment.
   c. Provide a 1" conduit from office rack to each building floor sales floor for speaker wiring on that floor.

PART 2 - PRODUCTS

2.01 DESCRIPTION

A. All Equipment and associated installation and wiring to equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of all raceways, wiring and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION

3.01 RELATED DOCUMENTS

A. Performance:
1. Installation shall meet approval of the sound system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16650
TELEPHONE SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:
1. Provide necessary conduit and power for telephone system. This shall include the following:
   a. Dedicated 20 Amp., 120 Volt circuit (s) for telephone equipment at telephone backboard.
   b. 3/4" conduit with pull wire to each telephone location. Refer to floor plans for locations.
   c. 1 1/4" conduit with pull wire to each cash wrap location. Refer to floor plans for locations.
   d. Provide ground lug at telephone board and ground to electrical service ground location if present within tenant space or to grounded building steel.

B. Work by Telephone vendor:
1. All wiring, jacks and terminations for telephone instruments.
2. All telephone equipment.

C. Work by landlord:
1. Landlord shall provide a 2" empty conduit raceway to point of telephone utility connection to rear of tenant space.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Conduits, fittings, and outlet boxes shall be as hereinbefore specified in Section 16100.

B. Wall boxes to be flush, 4" square, with extension ring.

C. Plates shall be furnished and installed with jacks by owners low voltage telephone vendor.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Performance:
1. Installation shall meet approval of the telephone vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16660
DATA/POS SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:
1. Provide necessary conduit and power for telephone system. This shall include the following:
   a. Dedicated 20 Amp., 120 Volt circuit (s) within office for POS/DATA equipment.
   b. 1 1/4" conduit with pull wire to each cash wrap location. Refer to floor plans for locations.
   c. 1" interconnecting conduit between each section of cashwrap.

B. Work by POS system vendor:
1. All wiring, jacks and terminations for POS system.
2. All POS equipment.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Conduits, fittings, and outlet boxes shall be as hereinbefore specified in Section 16100.

B. Wall boxes to be flush, 4" square, with extension ring.

C. Plates shall be furnished and installed with jacks by owners low voltage POS system vendor.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Performance:
1. Installation shall meet approval of the POS system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16721
FIRE ALARM SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Includes:
1. The contractor shall furnish and install a complete 24 VDC, electrically supervised, conventional / addressable fire alarm system as specified herein and indicated on the drawings. The system shall include but not be limited to all control panels, power supplies, initiating devices, audible and visual notification appliances, alarm devices, and all accessories required to provide a complete operating fire alarm system.
2. Furnishing and installing a complete extension of the existing fire alarm system for the tenant spaces, including all equipment, wiring, conduit, outlet and junction boxes and all accessories required.
3. Furnishing and installing a complete Fire alarm system for the tenant spaces, including all equipment, wiring, conduit, outlet and junction boxes and all accessories required.

B. Submit Drawings and receive approval from the Landlord and the Local Fire Prevention Bureau.

1.02 QUALITY ASSURANCE

A. The entire fire alarm system shall meet or exceed all State and/or Local Codes and ordinances.

B. Fire alarm system shall be in compliance with the following:
1. National Electrical Code (NEC)
2. NFPA Standards No. 70, 72, 101
3. Americans With Disabilities Act (ADA)
4. Village of Anywhere USA Fire Prevention Bureau.
5. International Building Code.
6. International fire code

C. All equipment furnished for this project shall be new and unused. All components shall be designed for uninterrupted duty. All equipment, materials, accessories, devices and other facilities covered by this specification or noted on the contract drawings and installation specification shall be best suited for the intended use and shall be provided by a single manufacturer. If any of the equipment provided under this specification is provided by different manufacturers, then that equipment shall be "Listed" as to its compatibility by Underwriters Laboratories (UL), if such compatibility is required by UL standards.

1.03 REQUIREMENTS OF REGULATORY AGENCIES:

A. Furnish a conduit and wiring riser diagram of the fire alarm system and service equipment as installed in the tenant remodeled spaces.

1.04 MANUFACTURER'S SERVICES:

A. The following supervision of installation shall be provided by a trained service technician from the manufacturer of the fire alarm equipment. The technician shall be U.L. certified and have had a minimum of two(2) years of service experience in the fire alarm industry.

B. The manufacturer's service technician shall be responsible for the following items:
1. Pre-installation visit to the job site to review equipment submittals and verify method by which the system should be wired.
2. During job progress make periodic job site visits to verify installation and wiring of system.
3. Upon completion of wiring, final connections shall be made under the supervision of this technician and final checkout and certification of the system.
4. At the time of final checkout, technician shall give operational instructions to the electrician, landlord and construction manager as well as any Urban Outfitter representative.

1.05 SUBMITTALS

A. Shop drawings for the complete fire alarm system shall be submitted for approval.

B. Shop drawings shall include the following data:
1. Catalog Data: Manufacturer's literature and illustrations.
2. Dimensions of equipment.
3. Complete wiring diagrams. Including point to point Wiring diagrams.
4. Manufacturer's installation and operation instructions.
5. Battery calculations for system.
6. Method of Operation document.
7. Voltage drop calculations.

1.06 SYSTEM OPERATION

A. The act of manually operating a manual station or the automatic operation of a thermodetector, smoke detector, or water flow switch shall cause the following:
1. Visually indicate at the fire alarm control/annunciator panel the area zone initiating the alarm.
2. The fire alarm control panel shall indicate both trouble and/or alarm conditions by zone.
3. Continuously sound all fire alarm audible and visual devices connected to the system until the system has been restored to normal.
4. Automatically shut down air handling units, as indicated on the Drawings.
5. Automatically disengage all magnetic door holders.
6. be arranged to transmit a fire alarm or trouble condition automatically to the fire station or Central monitoring system.
7. The general alarm devices may be silenced by entering a locked control cabinet and operating the proper silence switch. Operation of this switch shall be indicated by a trouble light and audible signal

B. When a device indicates any alarm condition the control panel must respond within three seconds. The General Alarm LED on the annunciator(s) should light and the LCD should prompt the user as to the current events. The alarm information must be stored in event memory for later review. When the alarmed device is restored to normal, the control panel shall be required to be manually reset to clear the alarm condition, except that the alarms may be silenced as programmed. An alarm shall be silenced by the silenced button at the main or by using a code and a button on the remote annunciators. When silenced, this shall not prevent the resounding of subsequent events if another event should occur (subsequent alarm feature). When alarms are silenced the silenced LED on the control panel, and on any remote annunciators shall remain lit, until the alarmed device is returned to normal.

C. When a device indicates a trouble condition, the control panel System Trouble LED should light and the LCD should prompt the user as to the current events. The trouble information must be stored in event memory for later review. When the device in trouble is restored to normal, the control panel shall be automatically reset. The trouble restore information must be stored in event memory for later review. Pushing the silence button at the main control or entering a code and pushing the silence button on the remote annunciators shall silence a trouble. When silenced, this shall not prevent the resounding of subsequent events if another event should occur.

D. Each multiplex buss loop shall be electrically supervised for opens and ground faults in the circuit wiring, and shall be so arranged that a fault condition on any loop will not cause an alarm to sound. Additionally, every addressable device connected to the multiplex buss will be supervised and individually identified if in a fault condition. The occurrence of any fault will light a trouble LED and sound the system trouble sounder, but will not interfere with the proper operation of any circuit which does not have a fault condition. Each indicating appliance circuit shall be electrically supervised for opens, grounds and short circuit faults, on the circuit wiring, and shall be so arranged that a fault condition on any indicating appliance circuit or group of circuits will not cause an alarm to sound. The occurrence of any fault will light the trouble LED and sound the system trouble sounder, but will not interfere with the proper operation of any circuit which does not have a fault condition.

PART 2 PRODUCTS

2.01 MATERIALS

A. (If existing system)

Fire Alarm Control Panel; existing
1. Provide new power supplies to support required peripheral devices in the existing fire alarm control panel.
2. Installation shall be under the direct supervision of the Landlord's Fire Alarm Vendor Representative.
3. All programming shall be done by the Landlord's Fire Alarm Vendor and those related costs shall be this Contractors responsibility.
4. Existing fire alarm system is manufactured by....

A. (If NEW system)

Fire Alarm Control Panel; New
1. The FACP must be capable of expansion to a maximum of 16 total amps via bus connected expander modules that supervise low battery, loss of AC and loss of communication.
2. The FACP must be capable of supporting up to eight (8) conventional fire zones and 247 addressable points. Each multiplex buss shall be capable of supporting a maximum of 128 devices each. The communication protocol on the multiplex buss loop must be digital.
3. The panel must have a built in 32 character LCD annunciator/keypad with the capability of having an additional four supervised remote annunciators/keypads connected in the field.
4. The FACP must have a built in UL approved digital communicator. The communicator must allow local and remote up/downloading of system operating options, event history, and detector sensitivity data for addressable detectors.
5. The main communication bus shall be capable of Class A or Class B configuration with a total bus length of 5,900 feet (1,798 m).
6. The multiplex buss and Data Communication Bus (options bus) shall be wired with standard NEC 760 compliant wiring, no twisted, shielded or mid capacitance wiring is required for standard installations. All FACP screw terminals shall be capable of accepting 14 AWG (1.8 mm) to 18 AWG (1.2 mm) wire. All system wiring shall be in accordance with the requirements of NFPA 70, the National Electrical Code (NEC) and also comply with article 760 of the NEC.
7. Power Limited Wiring; for Power Limited wiring, use FPL, FPLR or FPLP approved wiring.
8. Annunciator; the main control must have a built in annunciator with a 32 character LCD display and feature LED's for General alarm, System trouble, System Silence and Power.
9. The annunciator must be able to silence and reset alarms through the use of a keypad entered code, or by just pushing the desired function key, depending on how the system is configured. The annunciators must have three levels of user codes that will allow the limitation of operating system programming to authorized individuals.
10. The digital communicator must be an integral part of the control panel and be capable of reporting all points and all zones of alarm, supervisory, and trouble as well as all system status information such as loss of AC, low battery, ground fault, loss of supervision to any remote devices with individual and distinct messages to a central station or remote station. The communicator must also be capable of up/downloading of all system programming options, Event history and Sensitivity compliance information to a PC on site or at a remote location.
11. The FACP will have two form "C" dry contacts that can be programmed for alarm, trouble notification, water flow, and supervisory.
12. A ground fault detection circuit shall be provided to detect positive and negative grounds on all field wiring. The ground fault detector shall operate the general trouble devices as specified but shall not cause an alarm to be sounded. A single ground fault will not interfere with the normal operation, such as alarm, or other trouble conditions.
13. All low voltage circuits will be protected by microprocessor controlled circuit breakers or has a self restoring circuit breaker for the following: smoke detector power, main power supply, indicating appliance circuits, battery standby power and auxiliary output.

B. Power Supply and Charger:
The entire system shall operate on 24 VDC power supply with the rated current available of 4 Amps. The FACP must have a battery charging circuit capable of complying with the following requirements: a. (60) hours of battery standby with five (5) minutes of alarm signaling at the end of this sixty (60) hour period (as required per NFPA 72 remote station signaling requirements) using rechargeable batteries with automatic charger to maintain standby sealed lead-acid batteries in a fully charged condition. The power supply shall comply with UL Standard 864 for power limiting. The FACP will indicate a trouble condition if there is a loss of AC power or if the batteries are missing or of insufficient capacity to support proper system operation in the event of AC failure. A "Battery Test" will be performed automatically every three minutes to check the integrity of the batteries. The test must disconnect the batteries from the charging circuit and place a load on the battery to verify the battery condition. In the event that it is necessary to provide additional power one or more of the model D7038 Distributed Modules shall be used to accomplish this purpose.

C. Signal Initiating Devices; furnish and install signal initiating devices as shown on the Drawings.

D. Thermodetectors 135° RR & FT

E. Smoke Detectors with addressable base. Provide smoke detectors with auxiliary contacts as required.
The detector shall be UL listed compatible with the fire alarm control panel. The smoke detector shall have a flashing status LED for visual supervision. When the detector is actuated, the flashing LED will latch on solid. The LED shall flash at a 1/sec rate if the chamber is out of calibration range. The detector may be reset by actuating the control panel's reset switch. The vandal security-locking feature shall be used in those areas as indicated on the drawing. The locking feature shall be field selectable when required. All detectors shall have the "Chamber Check" feature with the addressable detectors sending a contaminated chamber signal to the FACP.

F. Manual Fire Alarm Stations shall be non-coded, break glass, double action type, with a key operated test-reset lock in order that they may be tested, and so designed that after actual Emergency Operation, they cannot be restored to normal except by use of a key. An operated station shall automatically condition itself so as to be visually detected, as operated, at a minimum distance of fifty feet, front or side. Manual Stations shall be constructed of die cast metal with clearly visible operating instructions on the front of the stations in raised letters. Stations shall be suitable for surface mounting on matching back box, or semi-flush mounting on a standard single-gang box, and shall be installed within the limits defined by the Americans with Disabilities Act (ADA) dependent on Manual Station accessibility or per local requirements.

G. Duct Photoelectric Smoke Detectors are furnished preinstalled in roof top units and wired by electrical contractor. Interface with fire alarm system through a new addressible interface module.

H. Water flow and tamper switches are to be furnished under another Section but wired by this Contractor and provided with addressable monitor modules.

I. Provide and install visual devices in all public use areas and in non public areas, such as work areas and as indicated on the drawings. The visible and audible/visible signal shall be Bosch Multi-candela signal devices with field selectable settings of 15, 30, 75, 110cd and be listed by Underwriters Laboratories Inc.

J. The notification appliance (combination audible/visible units only) shall produce a peak sound output of 90dba or greater as measured in an anechoic chamber. The signaling appliance shall also have the capability to silence the audible signal while leaving the visible signal energized with the use of a single pair of wires. All visual devices shall be synchronized.

K. The visible signaling appliance shall maintain a minimum flash rate of 1 Hz or greater regardless of power input voltage. The appliance shall meet the candela requirements of the blueprints presented by the Engineer and ADA.

L. The appliance shall be polarized to allow for electrical supervision of the system wiring. The unit shall be provided with terminals with barriers for input/output wiring and be able to mount to a single gang or double gang box or double workbox with the use of an adapter plate. The unit shall have an input voltage range of 16 - 33 Volts with either direct current or full wave rectified power.

M. Furnish and install as shown on the Drawings, slave fan shutdown relays.

N. Magnetic Door Holders - Furnish and install as shown on the Drawings, semi-flush wall mounted magnetic door holders. Where wall unit is not possible to install, furnish and install closure mounted on door(s) frame.

2.02 SPRINKLER SYSTEM

A. Sprinkler water flow valves and tamper switches are furnished by other Divisions and shall be wired to the fire alarm system by this Division of the work.

2.03 Elevator (IF APPLICABLE)

A. Interface fire alarm with elevator and elevator recall system. Provide addressable interface modules for each floor recall system. Activation of smoke detector in machine room or at top or bottom of shaft shall initiate elevator recall to first floor. Activation of smoke detector on first floor shall initiate elevator recall to second floor and activation of smoke detector on second floor shall initiate elevator recall to first floor.

B. Heat detector shall be provided in machine room where sprinkled, within two feet of each sprinkler head. Interface with elevator disconnect switch to shut down power to elevator on sense of heat in machine room. Heat detectors shall operate at 135 Degrees F and sprinkler heads shall be 212 degree heads.

C. Heat detector shall be provided at top and bottom of elevator shaft room where sprinkled. Provide within two feet of each sprinkler head. Interface with elevator disconnect switch to shut down power to elevator on sense of heat in shaft. Heat detectors shall operate at 135 Degrees F and sprinkler heads shall be 212 degree heads.

PART 3 EXECUTION

3.01 SYSTEM WIRING

A. All final connections shall be made under direct supervision of Manufacturer's factory engineer. After final checkout, Owner's personnel shall be verbally instructed in use and operation of system, and shall be provided with four(4) copies of written instructions.

B. Color Coding: For fire alarm system shall match existing Building standards.

C. Prepare conduit and wiring risers, (point to point) for construction and records. Submit to municipality Fire Prevention Bureau and Landlord for approval prior to start of any work.

D. The installer shall coordinate the installation of the fire alarm equipment.

E. All conductors and wiring shall be installed according to the manufacturer's recommendations. It shall be the installer's responsibility to coordinate with the supplier, regarding the correct wiring procedures before installing any conduits or conductors.

F. System components shall be installed in accordance with the latest revisions of the appropriate NFPA pamphlets, the requirements contained herein, National Electrical Code, local and state regulations, the requirements of the fire department and other applicable authorities having jurisdiction (AHJ).

G. All wire used on the fire alarm system shall be UL Listed as fire alarm protection signaling circuit cable per National Electrical Code, Article 760. The use of FPL, FPLR or FPLP wiring for power limited applications.

3.02 WARRANTY & FINAL TEST

A. The contractor shall warrant all equipment and wiring free from inherent mechanical and electrical defects for one year (365 days) from the date of final acceptance.

B. Before the installation shall be considered completed and acceptable by the awarding authority, a test of the system shall be performed as follows:
1. The contractor's job foreman, a representative of the owner, and the fire department shall operate every building fire alarm device to ensure proper operation and correct annunciation at the control panel.
2. At least one half of all tests shall be Performed on battery standby power
3. Where application of heat would destroy any detector, it may be manually activated.

C. The communication loops and the indicating appliance circuits shall be opened in at least two (2) locations per circuit to check for the presence of correct supervision circuitry.

D. When the testing has been completed to the satisfaction of both the contractor's job foreman and construction manager, a notarized letter cosigned by each attesting to the satisfactory completion of said testing shall be forwarded to the owner and the fire department.

E. The contractor shall leave the fire alarm system in proper working order, and, without additional expense to the owner, shall replace any defective materials or equipment provided by him under this contract within one year (365 days) from the date of final acceptance by the awarding authority.

F. Prior to final test the fire department must be notified in accordance with local requirements.

3.03 AS BUILT DRAWINGS, TESTING, AND MAINTENANCE INSTRUCTIONS

A. A complete set of reproducible "as-built" drawings showing installed wiring, color coding, and wire tag notations for exact locations of all installed equipment, specific interconnections between all equipment, and internal wiring of the equipment shall be delivered to the owner upon completion of system.

B. Operating and instruction manuals shall be submitted prior to testing of the system. Three (3) copies of operating and instruction manuals shall be delivered to the owner upon completion. User operating instructions shall be provided prominently displayed on a separate sheet located next to the control unit in accordance with UL Standard 864.

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10/31/2025

DRAWN BY: LV CHECKED BY: DJQ/PJF

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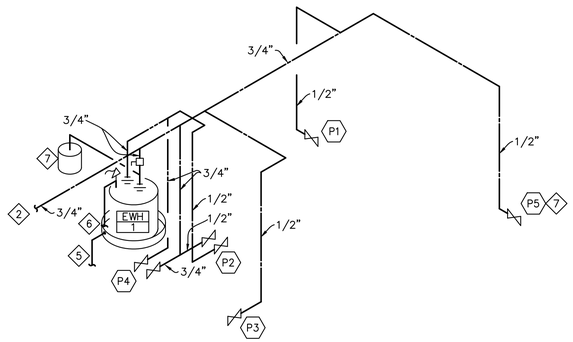
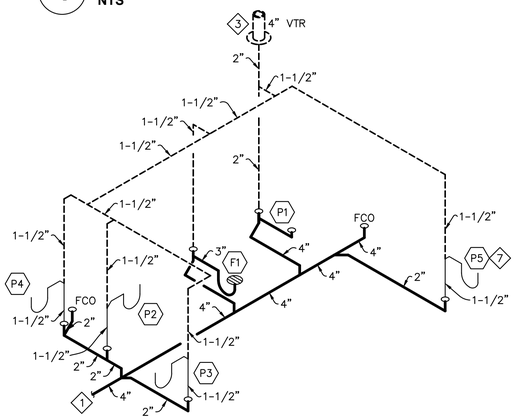
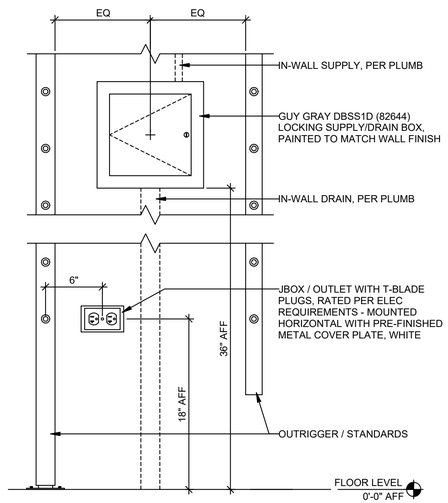


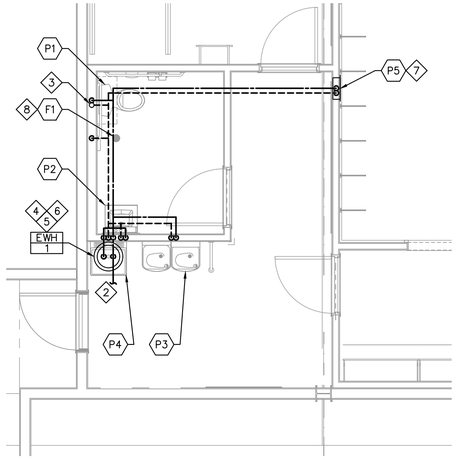
4 WATER RISER DIAGRAM
NTS



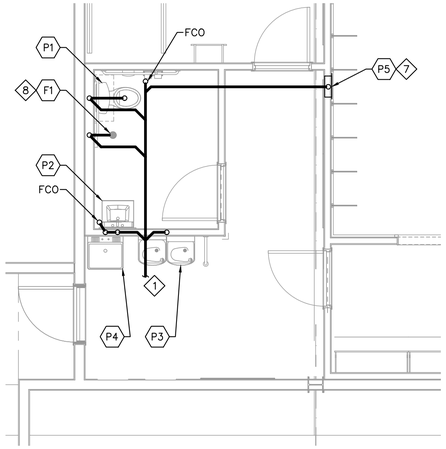
3 WASTE AND VENT RISER DIAGRAM
NTS



5 AUXILIARY COOLING MANIFOLD DETAIL
NO SCALE



2 ABOVE FLOOR PLUMBING PLAN
1/4" = 1'-0"



1 UNDERFLOOR PLUMBING PLAN
1/4" = 1'-0"

KEY NOTES (#)

1. EXTEND AND CONNECT NEW 4" SANITARY SEWER TO EXISTING 4" LANDLORD PROVIDED SANITARY SEWER STUB. FIELD VERIFY EXACT LOCATION, SIZE, FLOW DIRECTION, AND INVERT ELEVATION OF CONNECTION POINT PRIOR TO ROUGH-IN OF NEW SANITARY SEWER. PROVIDE FCO AT POINT OF CONNECTION TO EXISTING.
2. EXTEND AND CONNECT NEW 3/4" CW PIPING TO EXISTING 3/4" LANDLORD PROVIDED CW STUB. FIELD VERIFY EXACT LOCATION OF CW STUB PRIOR TO ROUGH-IN. PROVIDE SHUTOFF VALVE AT POINT OF CONNECTION TO EXISTING.
3. EXTEND NEW 2" VENT UP TO NEW 4" VTR. LOCATE TOILET VENT STACK SO THAT ALL ROOF PENETRATIONS OCCUR AT A MINIMUM OF TEN FEET (10'-0") AWAY FROM ANY MECHANICAL EQUIPMENT INTAKES OR OUTSIDE AIR INTAKE HOODS.
4. PIPE WATER HEATER DRIP PAN TO CODE APPROVED AIR GAP OVER MOP SINK.
5. PIPE 3/4" FROM ASME RATED T&P VALVE TO DRIP PAN.
6. PROVIDE THERMAL EXPANSION TANK EQUAL TO STATE MODEL ETC-5X. ADJUST EXPANSION TANK AIR CHARGE TO MATCH INCOMING WATER PRESSURE (FIELD VERIFY).
7. PROVIDE GUY GREY SUPPLY/DRAIN BOX ON SALES FLOOR SIDE OF WALL, SEE DETAIL 5/P100. PROVIDE DRAIN LINE IN BOX WITH TEMPORARY CAP.
8. PROVIDE FLOOR DRAIN WITH ZURN Z1072 BARRIER-TYPE TRAP SEAL OR ASSE 1072 COMPLIANT EQUIVALENT TRAP SEAL.

GENERAL NOTES

A. SPECIFICATIONS, REFER TO PLUMBING SPECIFICATIONS FOR FURTHER INFORMATION AND REQUIREMENTS FOR PLUMBING CONTRACTOR.

B. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.

C. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE PIPE RISES, DROPS, AND OFFSETS, AS REQUIRED FOR FIELD INSTALLATION AND COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.

D. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PIPING, CONNECTIONS, FITTINGS, VALVES, OFFSETS, ETCETERA AND ALL MATERIALS NECESSARY FOR A COMPLETE SYSTEM. SUBMIT SHOP DRAWINGS PER THE SPECIFICATIONS.

E. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.

F. PROVIDE BACKFLOW PREVENTION DEVICES, (BPD) IN WATER LINES FEEDING PLUMBING FIXTURES AND/OR EQUIPMENT, AS SHOWN ON PLANS AND ELSEWHERE AS REQUIRED BY LOCAL AUTHORITIES. USE DEVICES OF APPROVED TYPE AND MANUFACTURER (ATMOSPHERIC VACUUM, PRESSURE VACUUM, DOUBLE CHECK, AND REDUCED PRESSURE).

G. WATER PRESSURE, PLUMBING CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE AT BUILDING ENTRY, PRIOR TO ALL LOCALLY REQUIRED DEVICES SUCH AS WATER METER, BACKFLOW PREVENTION DEVICES, ETCETERA IS LESS THAN 55 PSIG STATIC, CONTACT OWNERS REPRESENTATIVE. IF PRESSURE IS IN EXCESS OF 80 PSIG STATIC, INSTALLATION OF PRESSURE REDUCING VALVE IS REQUIRED.

H. WATER HAMMER ARRESTER SHALL BE INSTALLED THROUGHOUT PLUMBING WATER SYSTEMS AS REQUIRED.

ELECTRIC WATER HEATER SCHEDULE

EWH # — 4/P200

UNIT NO.	MANUFACTURER	MODEL	KW	CAPACITY (GAL.)	STAGES	VOLTAGE	OUTPUT (GPH @ 90° RISE)	REMARKS
EWH-1	A.O. SMITH	DEL-6	1.5	6	1	120/1/60	7	

PLUMBING FIXTURE SCHEDULE

P# F#

FIXTURE NO.	FIXTURE TYPE	MANUFACTURER	TYPE & MODEL NO.	TRIM/FAUCET NO.	SUPPORT	PIPE SIZES					REMARKS
						TRAP	WASTE	VENT	CW	HW	
P1	WATER CLOSET	AMERICAN STANDARD OR EQUAL	CADET (WHITE) 2467.100	CHICAGO FAUCET 1016	FLOOR MOUNT	-	4"	2"	1/2"	-	1.1 GPF, ELONGATED, PRESSURE-ASSISTED JET FLUSH, ADA COMPLIANT, 16-1/2" RIM HEIGHT, PROVIDE WHITE SEAT-CHURCH MODEL 295C.
P2	LAVATORY	AMERICAN STANDARD	LUCERNE (WHITE) 0355.012	AMERICAN STAND. 7385.003	WALL HUNG	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	PROVIDE CHROME PLATED CAST BRASS P-TRAP , HANDICAP INSULATION KIT, (2) CHICAGO FAUCET 1016 ANGLE VALVES, WALL CARRIER, 0.5 GPM FLOW LIMIT PROVIDE WITH ASSE 1070 APPROVED POINT-OF-USE THERMOSTATIC MIXING VALVES.
P3	HI/LO WATER COOLER	ELKAY	BARRIER-FREE LZSTL8WSLK	- -	WALL MOUNT	1-1/2"	1-1/2"	1-1/2"	1/2"	-	ADA COMPLIANT WITH EZH20 BOTTLE FILLING STATION.
P4	SERVICE SINK	FIAT	MOLDED STONE FL-1	CHICAGO FAUCET 891-ABCP	FLOOR MT ON LEGS	2"	2"	1-1/2"	3/4"	3/4"	20 GALLON CAPACITY 23"x21-1/2"x13-7/16"
P5	SUPPLY/WASTE BOX	GUY GREY	DBSS1D (82644)	-	WALL MOUNT	2"	2"	1-1/2"	1/2"	-	GUY GREY LOCKING SUPPLY/DRAIN BOX. PAINTED TO MATCH WALL FINISH.
F1	FLOOR DRAIN	JOSAM	30000-6A	-		3"	3"	1-1/2"	-	-	PROVIDE 1/2" TRAP PRIMER CONNECTION.

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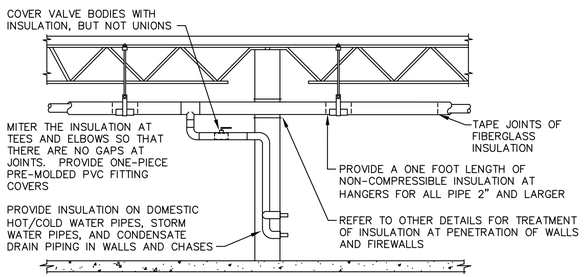
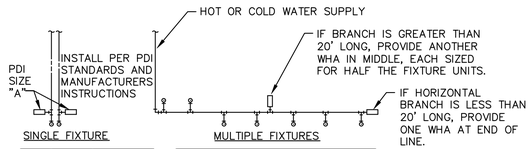


PROVIDE FIBERGLASS INSULATION WITH ALL-SERVICE JACKET WITH VAPOR BARRIER ON ALL COLD/HOT WATER PIPING AND CONDENSATE DRAIN PIPE. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING INSULATION. INSTALL ALL ITEMS PER SPECIFICATIONS AND MANUFACTURERS INSTRUCTIONS. MAINTAIN VAPOR BARRIER ON COLD PIPING BY MEANS OF SEALANT AND TAPE. FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50. SEAL EXPOSED ENDS OF FIBERGLASS INSULATION WITH ADHESIVE MASTIC.

1 PIPE INSULATION
NO SCALE

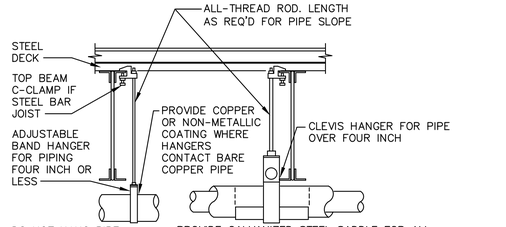


PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	½"	1-11
B	¾"	12-32
C	1"	33-60
D	1¼"	61-113
E	1½"	114-154

FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
WATER CLOSET (TANK)	2.5	--
LAVATORY	.75	.75
JANITOR'S SINK	2.5	2.5
DRINKING FOUNTAIN	0.5	--
SINK	1.5	1.5

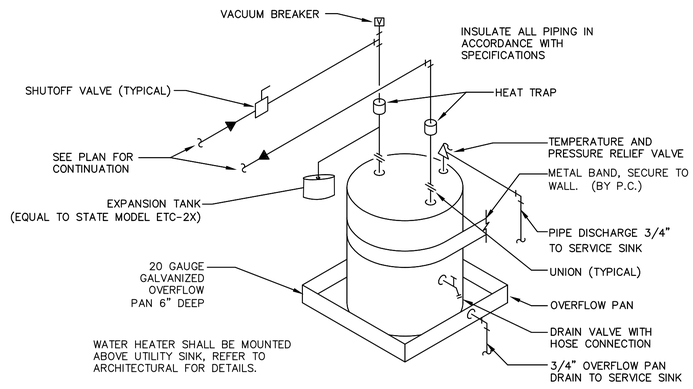
PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH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

3 WATER HAMMER ARRESTERS
NO SCALE



PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. HANGER SPACING FOR PIPE SIZE: COPPER: 4"=12'; 3"=11'; 2-1/2"=10'; 2"=9' 1-1/2"=8'; 1-1/4"=7; 1"=6'; 3/4"=6'; 1/2"=5'. CAST IRON: 10' AND ONE NEAR ALL JOINTS. STEEL: 4"=14'; 3"=12'; 2-1/2"=11'; 2"=10'; 1-1/2"=9'; 1"=7'; 3/4"=6'; 1/2"=5'. LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. REFER TO CODES FOR FURTHER INFORMATION.

2 PIPE HANGERS
NO SCALE



4 WATER HEATER DETAIL
NO SCALE

PLUMBING SYMBOLS

	EXISTING PIPING (~~SEE DRAWING~~)	OST	OVERFLOW STORM LINE (OST) - ABOVE SLAB/GRADE
CW	COLD WATER (CW)	OST	OVERFLOW STORM LINE (OST) - BELOW SLAB/GRADE
CW	COLD WATER (CW) - BELOW SLAB/GRADE		PIPE TURNING UP/DOWN
F	FIRE PROTECTION (F) (SPRINKLER/STANDPIPE)		TEE TURNING UP/DOWN
SP	FIRE PROTECTION (SP) (STANDPIPE)		SHUTOFF VALVE (BALL TYPE)
HW	HOT WATER (HW) 140°, 120°		CHECK VALVE
HW	HOT WATER (CW) - BELOW SLAB/GRADE		BALANCING VALVE
G	GAS LINE (G)	#	FIXTURE IDENTIFICATION
D	CONDENSATE LINE (D)	#	PLAN NOTE
OD	OVERFLOW DRAIN PIPING (OD)	AFF/AFG	ABOVE FINISHED FLOOR/GRADE
V	PLUMBING VENT (V)	VTR	VENT THRU ROOF
V	PLUMBING VENT (V) - BELOW SLAB/GRADE	CO	CLEANOUT
SAN	SANITARY WASTE (SAN) -ABOVE GRADE	WCO	WALL CLEANOUT
SAN	SANITARY WASTE (SAN) - BELOW SLAB/GRADE	FFCO/FGCO	FLUSH FLOOR/GRADE CLEANOUT
ST	STORM LINE (ST) - ABOVE SLAB/GRADE	(E)	EXISTING
ST	STORM LINE (ST) - BELOW SLAB/GRADE		CONNECT TO EXISTING

PLUMBING SPECIFICATIONS

15083 PIPING INSULATION

A. CONFORM TO MAXIMUM FLAME SPREAD/SMOKE DEVELOPED RATING OF 25/50 IN ACCORDANCE WITH ASTM E84, NFPA 255 AND UL 723.
B. CONFORM TO LOCAL CODE AND ASTM STANDARDS FOR "K" VALUE, MOISTURE VAPOR TRANSMISSION, MAXIMUM MOISTURE ABSORPTION, JACKET, INSULATING CEMENT, AND ADHESIVE.
C. MANUFACTURER: GLASS FIBER: SCHULLER-MANVILLE MICRO-LOK AP-T PLUS AND AP. EQUIVALENT PRODUCTS: CERTAINTEED, KNAUF, OWENS-CORNING.
D. INSTALL IN ACCORDANCE WITH NAIMA NATIONAL INSULATION STANDARDS.
E. VERIFY THAT PIPING HAS BEEN TESTED BEFORE APPLYING INSULATION MATERIALS.
F. VERIFY THAT SURFACES ARE CLEAN AND DRY, WITH FOREIGN MATERIAL REMOVED.
G. CONTINUE INSULATION THROUGH WALLS, SLEEVES, PIPE HANGERS, AND OTHER PIPE PENETRATIONS. FINISH AT SUPPORTS, PROTRUSIONS, AND INTERRUPTIONS.
H. PLUMBING VENT (WITHIN 3 FEET OF EXTERIOR): INSULATION THICKNESS - 1/2 INCH.
I. DOMESTIC COLD WATER: INSULATION THICKNESS: 1 INCH.
J. DOMESTIC AND SERVICE HOT WATER - 105+ DEG F:
   1. PIPE SIZE - 2 INCHES AND LESS: INSULATION THICKNESS: 1 INCH.
K. INSULATION THICKNESS SHALL BE PER PER SPECIFICATION, LOCAL CODE OR ASHRAE STANDARD 90.1-2004, WHICHEVER IS MORE STRINGENT.

15100 PLUMBING PIPING

A. SANITARY PIPING.
   1. CAST IRON PIPE: ASTM A74 SERVICE WEIGHT, FITTINGS: CAST IRON, JOINTS: HUB-AND-SPIGOT, COMPRESSION TYPE WITH NEOPRENE GASKETS OR LEAD AND OAKUM.
   2. CAST IRON PIPE: CISPI 301, HUBLESS, FITTINGS: CAST IRON, JOINTS: NEOPRENE GASKET AND STAINLESS STEEL CLAMP AND SHIELD ASSEMBLIES.
   3. ABS PIPE (BELOW GRADE): ASTM D2661, FITTINGS: ABS, JOINTS: SOLVENT WELD.
   4. PVC PIPE (BELOW GRADE): ASTM D2665, FITTINGS: PVC, JOINTS: SOLVENT WELD WITH SOLVENT CEMENT.
   5. COPPER TUBE (ABOVE GRADE): ASTM B88 TYPE "L"; HARD TEMPER ONLY. EXCEPT THESE MATERIALS SHALL NOT BE USED TO RECEIVE THE WASTES FROM URINALS NOR WASTES FROM WATER CLOSETS IN BATTERY, FITTINGS: CAST BRONZE, OR WROUGHT COPPER, JOINTS: SOLDER, GRADE 50B.
B. WATER PIPING.
   1. COPPER TUBING (BELOW GRADE): ASTM B88, TYPE "K" SOFT COPPER, FITTINGS: CAST COPPER ALLOY OR WROUGHT COPPER AND BRONZE, JOINTS: BCUP SILVER BRAZE.
   2. COPPER TUBING (ABOVE GRADE): ASTM B88, TYPE "L" HARD DRAWN, FITTINGS: CAST COPPER ALLOY OR WROUGHT COPPER AND BRONZE, JOINTS: BCUP SILVER BRAZE.
C. VERIFY THAT EXCAVATIONS ARE TO REQUIRED GRADE, DRY, AND NOT OVER-EXCAVATED.
D. PREPARE PIPING CONNECTIONS TO EQUIPMENT WITH FLANGES OR UNIONS.
E. PROVIDE NON-CONDUCTING DIELECTRIC CONNECTIONS WHEREVER JOINTING DISSIMILAR METALS.
F. INSTALL VENT PIPING PENETRATING ROOFED AREAS TO MAINTAIN INTEGRITY OF ROOF ASSEMBLY.
G. WHERE PIPE SUPPORT MEMBERS ARE WELDED TO STRUCTURAL BUILDING FRAMING, SCRAPE, BRUSH CLEAN, AND APPLY ONE COAT OF ZINC RICH PRIMER TO WELDING.
H. PROVIDE SUPPORT FOR UTILITY METERS IN ACCORDANCE WITH REQUIREMENTS OF UTILITY COMPANIES.
I. PREPARE EXPOSED, UNFINISHED PIPE, FITTINGS, SUPPORTS, AND ACCESSORIES READY FOR FINISH PAINTING.
J. SLEEVE PIPES PASSING THROUGH PARTITIONS, WALLS AND FLOORS.
K. USE GROOVED MECHANICAL COUPLINGS AND FASTENERS ONLY IN ACCESSIBLE LOCATIONS.
L. PROVIDE UNIONS DOWNSTREAM OF VALVES AND AT EQUIPMENT OR APPARATUS CONNECTIONS.
M. PROVIDE BRASS MALE ADAPTERS EACH SIDE OF VALVES IN COPPER PIPED SYSTEM. SOLDER ADAPTERS TO PIPE.
N. ESTABLISH INVERT ELEVATIONS, SLOPES FOR DRAINAGE TO 1/4 INCH PER FOOT (SMALLER THAN 3 INCH PIPE), AND 1/8 INCH PER FOOT (3 INCHES AND LARGER) MINIMUM. MAINTAIN GRADIENTS.
O. SLOPE WATER PIPING MINIMUM 0.25 PERCENT AND ARRANGE TO DRAIN AT LOW POINTS.
P. PROVIDE NEW SANITARY SEWER SERVICES. BEFORE COMMENCING WORK CHECK INVERT ELEVATIONS REQUIRED FOR SEWER CONNECTIONS, CONFIRM INVERTS AND ENSURE THAT THESE CAN BE PROPERLY CONNECTED WITH SLOPE FOR DRAINAGE AND COVER TO AVOID FREEZING.
Q. PROVIDE SUPPORT AND EQUIPMENT REQUIRED TO CONTROL EXPANSION AND CONTRACTION OF PIPING. PROVIDE LOOPS, PIPE OFFSETS, AND SWING JOINTS, OR EXPANSION JOINTS WHERE REQUIRED.
R. PROVIDE HANGERS IN QUANTITY AND SPACING REQUIRED TO SUFFICIENTLY SUPPORT PIPING.

15110 PLUMBING SPECIALTIES

A. MANUFACTURERS:
   1. GATE VALVES (UP TO AND INCLUDING 2"): STOCKHAM MODEL B-105, OR EQUIVALENT BY: HAMMOND, KITZ, MILWAUKEE, NIBCO, CRANE.
   2. BALL VALVES (UP TO AND INCLUDING 2"): APOLLO 77-100/77-200 SERIES, OR EQUIVALENT BY: HAMMOND, KITZ, MILWAUKEE, NIBCO, WATTS, CRANE.
   3. SWING CHECK VALVES (UP TO AND INCLUDING 2-1/2"): STOCKHAM MODEL B-309/B-319, OR EQUIVALENT BY: HAMMOND, KITZ, MILWAUKEE, NIBCO, CRANE.
   4. WATER HAMMER ARRESTOR: WATTS SERIES 15
   5. VACUUM BREAKER: WATTS N36 - ¾"
   6. PRESSURE REDUCING VALVE: WATTS SERIES U5
   7. ATMOSPHERIC VACUUM BREAKER: WATTS SERIES 288A
   8. HOSE END VACUUM BREAKER: WATTS SERIES 8
   9. DIELECTRIC UNION: WATTS SERIES 3000
   10. TRAP SEAL PRIMER VALVE: JOSAM 88250, OR EQUIVALENT BY: J.R. SMITH, WADE, ZURN
B. INSTALL APPROVED POTABLE WATER PROTECTION DEVICES ON PLUMBING LINES WHERE CONTAMINATION OF DOMESTIC WATER MAY OCCUR; JANITOR ROOMS, FIRE SPRINKLER SYSTEMS, PREMISE ISOLATION.
C. INSTALL WATER HAMMER ARRESTORS COMPLETE WITH ACCESSIBLE ISOLATION VALVE ON HOT AND COLD WATER SUPPLY PIPING WHERE REQUIRED BY CODE AND PER MANUFACTURERS RECOMMENDATIONS/REQUIREMENTS.

15410 PLUMBING FIXTURES AND EQUIPMENT

A. MANUFACTURERS:
   1. WATER CLOSETS; AMERICAN STANDARD, CRANE, ELJER, KOHLER.
   2. LAVATORIES; AMERICAN STANDARD, CRANE, ELJER, KOHLER.
   3. ELECTRIC WATER COOLERS; ELKAY, HALSEY TAYLOR, HAWS, OASIS.
   4. SERVICE SINKS; FIAT, AMERICAN STANDARD, CRANE, ELJER, KOHLER.
   5. FAUCETS (LAVATORIES): AMERICAN STANDARD, CRANE, ELJER, KOHLER, DELTA, MOEN, CHICAGO FAUCET, ZURN.
   6. FAUCETS (SERVICE SINKS): FIAT, MUSTEE, STERN-WILLIAMS, SWAN, CHICAGO FAUCET, ZURN.
   7. SEATS: BEMIS, BENEKE, CHURCH, OLSONITE, SPERZEL.
   8. CARRIERS: JOSAM, JONESPEC, J.R. SMITH, WADE, ZURN.
   9. INSULATION KITS: TRUEBRO, BROCAR, PLUMBEREX SPECIALTY PRODUCTS.
   10. RECEPTORS (FLOOR DRAINS, ETC.) JOSAM, J.R. SMITH, WADE, ZURN.
   11. FLOOR/WALL CLEANOUTS: JOSAM, J.R. SMITH, WADE, ZURN.
   12. WATER HEATERS (TANK TYPE): A.O. SMITH, BRADFORD WHITE, RHEEM/RUUD, STATE.
B. PROVIDE BRACKETS, BRACES OR REINFORCING ANGLES AS REQUIRED IN ALL PARTITIONS NOT SUFFICIENT IN THEMSELVES TO SUPPORT PLUMBING FIXTURES OR OTHER WALL-HUNG EQUIPMENT.
C. INSTALL EACH FIXTURE WITH CHROME PLATED, 17 GAUGE TUBING TRAP WITH CLEANOUT, EASILY REMOVABLE FOR SERVICING AND CLEANING.
D. INSTALL COMPONENTS LEVEL, PLUMB AND SECURE.
E. INSTALL AND SECURE FIXTURES IN PLACE WITH WALL CARRIERS AND BOLTS.
F. SEAL FIXTURES TO WALL AND FLOOR SURFACES WITH SEALANT, COLOR TO MATCH FIXTURE.
G. MOUNT LEVER CONTROL FOR HANDICAPPED WATER CLOSETS ON WIDE SIDE OF TOILET ROOM.
H. INSULATE WASTE AND SUPPLIES FOR ALL HANDICAPPED FIXTURES.
I. ROUGH-IN FIXTURE PIPING CONNECTIONS IN ACCORDANCE WITH MINIMUM SIZES INDICATED IN PLUMBING FIXTURE SCHEDULE ON DRAWINGS.
J. REVIEW MILLWORK SHOP DRAWINGS. CONFIRM LOCATION AND SIZE OF FIXTURES AND OPENINGS BEFORE ROUGH-IN AND INSTALLATION.
K. EXPOSED WATER PIPING SHALL BE CHROME PLATED BRASS.

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STATE OF NEW YORK · LUKE A KUSE · 102726 · LICENSED PROFESSIONAL ENGINEER

10/31/2025

DRAWN BY: SPW CHECKED BY: TMS

HEI PROJECT NUMBER: R25-5273.000

PROJECT PHASE: CD

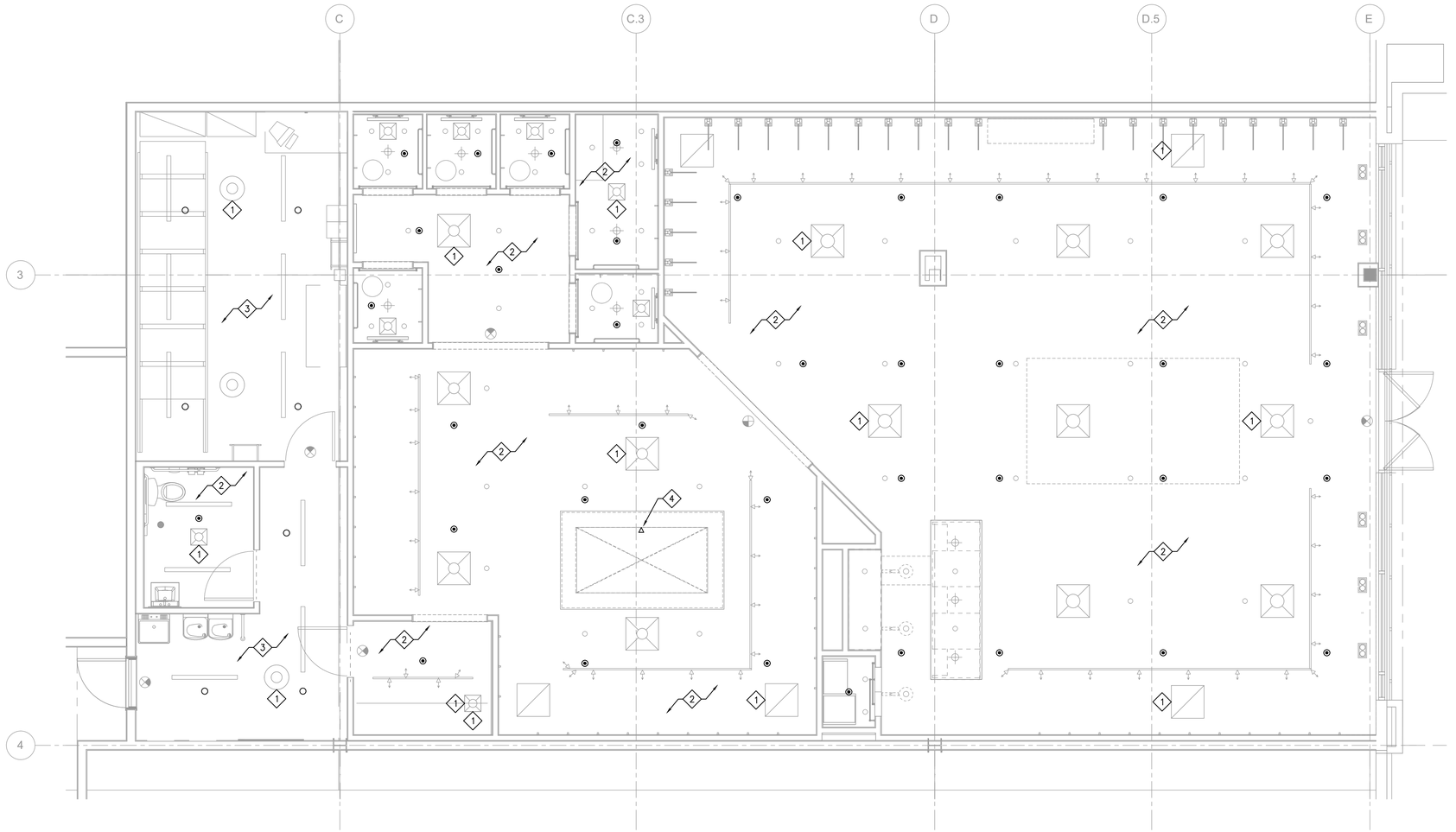
ISSUE / DATE :

CHECK SET	10.10.2025
PERMIT SET	10.31.2025

SHEET TITLE :
PLUMBING DETAILS & SPECIFICATIONS

SHEET NO.:
P200

10/10/2023 11:01:40 AM



1 FIRE PROTECTION PLAN

1/4" = 1'-0"

GENERAL FIRE PROTECTION NOTES

A. TENANT'S SPRINKLER CONTRACTOR IS RESPONSIBLE FOR DESIGN COORDINATION OF SPRINKLER SYSTEM TO FIT CEILING LAYOUT AND TO AVOID CONFLICT WITH OTHER TRADES. ALL SPRINKLER WORK IS TO BE PERFORMED BY LANDLORD'S APPROVED SPRINKLER CONTRACTOR AT TENANT CONTRACTOR'S EXPENSE.

B. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN TO COORDINATE EXACT LOCATION OF CEILING FIXTURES. IF DISCREPANCIES EXIST BETWEEN THIS SHEET AND ARCHITECTURAL REFLECTED CEILING PLAN, ARCHITECTURAL CEILING PLAN WILL TAKE PRECEDENCE.

C. TENANT'S FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL LAYOUT AND HYDRAULICALLY CALCULATED PIPE SIZES. THE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LANDLORD, LANDLORD'S FIRE INSURANCE UNDERWRITER, AND ALL GOVERNMENTAL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PREMISES.

D. REWORK BRANCHES AND MAINS AS REQUIRED FOR NEW CEILING ELEVATION. FIRE PROTECTION WORK TO BE PROVIDED BY LANDLORD APPROVED CONTRACTOR.

E. CONNECTION TO LANDLORD SPRINKLER SYSTEM MAIN PIPING SHALL BE SCHEDULED IN ADVANCE WITH LANDLORD'S FIELD REPRESENTATIVE.

F. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING HEIGHTS.

G. SPRINKLER SYSTEM MUST BE CHARGED AND OPERATIONAL WHEN WORKERS ARE NOT ON SITE.

H. REFER TO ARCHITECTURAL PLANS FOR HEIGHTS OF WALLS.

I. SPRINKLER HEADS SHALL BE CENTERED WITH OTHER CEILING ELEMENTS. SPRINKLER HEAD FINISH SHALL MATCH THE FINISH OF THE CEILING.

J. PROVIDE ESCUTCHEONS TO MATCH IF HEADS ARE BRASS OR CHROME.

KEY NOTES (#)

1. DIFFUSER/GRILLE SHOWN FOR REFERENCE ONLY. REFER TO SHEET M100 FOR LOCATION (TYP.)
2. PROVIDE FULLY RECESSED SPRINKLER HEAD TYPE IN AREAS WITH GYP. BOARD CEILING (TYP.)
3. PROVIDE UPRIGHT SPRINKLER HEAD TYPE IN AREAS WITH OPEN TO DECK CEILING (TYP.)
4. PROVIDE SIDEWALL SPRINKLER HEAD WITHIN SKYLIGHT.

SPRINKLER SYMBOLS

DRAWING SYMBOL	SYMBOL DESCRIPTION
●	SPRINKLER HEAD (SEMI-RECESSED)
○	SPRINKLER HEAD (UPRIGHT)
◉	SPRINKLER HEAD (CONCEALED)
▷	SPRINKLER HEAD (SIDEWALL)

REFER TO SHEET M300 FOR SPRINKLER SPECIFICATIONS.

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FIRE PROTECTION PLAN

SHEET NO.:

FP100

10/10/2023 11:01:40 AM

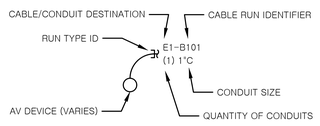
AUDIOVISUAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	DEVICE MANUF/MODEL	ROUGH-IN	MOUNTING HEIGHT	TAP(watts)	COLOR	WEIGHT(lbs)	DETAIL LOCATION	DEVICE INSTALLED BY	COORDINATION ITEMS
SI	SPEAKER, CEILING, FLUSH MOUNTED	SONANCE PS-C63RT	8.25" CUTOUT	FLUSH IN FINISHED CEILING	7.5W, 15W	WHITE	9.38 LBS	AV3.01/4	AV CONTRACTOR	--
E1	2G AV CONNECTION BOX, WALL, RECESSED	PLAYNETWORK AV EQUIPMENT	4" J-BOX W/ 1-GANG PLASTER RING	--	--	--	--	AV3.01/3	AV CONTRACTOR	J-BOX INSTALLED BY EC
VI	AV VOLUME CONTROL PANEL, FLUSH MOUNTED	LOWELL 100LVC-DW (QTY. 2)	4" J-BOX W/ 2-GANG PLASTER RING	48" AFF	--	WHITE	--	--	AV CONTRACTOR	J-BOX INSTALLED BY EC

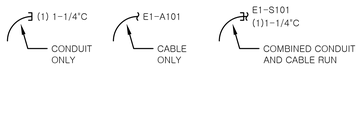
COORDINATION ITEMS LEGEND

	DOUBLE DUPLEX ELECTRICAL RECEPTACLE-WALL	SHOWN FOR COORDINATION PURPOSES ONLY - EXCLUDED FROM AV SCOPE	AS INDICATED		EC	INSTALLED BY ELECTRICAL CONTRACTOR
▽	TELECOM/DATA OUTLET-WALL	SHOWN FOR COORDINATION PURPOSES ONLY - EXCLUDED FROM AV SCOPE	AS INDICATED		TC	INSTALLED BY TELECOMMUNICATIONS CONTRACTOR

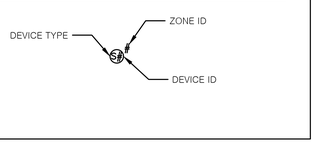
LEADER LEGEND



LEADER TYPE LEGEND



DEVICE LEGEND



SHEET INDEX

SHEET	SHEET TITLE
AV0.01	AV SCHEDULE
AV1.01	AV LAYOUT
AV3.01	AV WIRING DIAGRAM & DETAILS

CABLE IDENTIFICATION TABLE

DESIGNATION	DESCRIPTION	LENGTH	PURPOSE	LOCATION	PROVIDED BY	INSTALLED BY
B	16 AWG / 2 COND TWISTED PAIR, PLENUM	BULK	LOUDSPEAKER	FIELD	MOOD MEDIA	AV INSTALLER
D	22 AWG / 2 COND TWISTED PAIR W/ DRAIN WIRE & SHIELD, PLENUM	BULK	LINE LEVEL AUDIO	FIELD	MOOD MEDIA	AV INSTALLER
F	Cat5e (4 UNSHIELDED TWISTED PAIR), PLENUM	BULK	AUDIO BALUN	FIELD	MOOD MEDIA	AV INSTALLER
AA	RCA M/M	3'	LINE LEVEL AUDIO	E1	MOOD MEDIA	AV INSTALLER

ABBREVIATIONS

ABV	ABOVE
ACH	ABOVE COUNTER HEIGHT
AFF	ABOVE FINISHED FLOOR
AG	ABOVE GRADE
A,AMP	AMPERE
AV	AUDIOVISUAL
AUD	AUDIO
AWG	AMERICAN WIRE GAGE
BFC	BELOW FINISHED CEILING
BO	BOTTOM OF
CAB	CABINET
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CM	CEILING MOUNTED
COMM	COMMUNICATIONS
COMP	COMPONENT VIDEO
C, CO	CONDUIT, CONDUIT ONLY
CT	CABLE TRAY
CTL	CONTROL

CW	CASEWORK
D	DATA
DED	DEDICATED
DN	DOWN
FA	FIRE ALARM
FB	FLOOR BOX
FBO	FURNISHED AND INSTALLED BY OTHERS
FBOIC	FURNISHED BY OTHERS, INSTALLED BY CONTRACTOR
FLO	FLOOR
FO	FIBER OPTIC
G, GND	GROUND
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTOR
HDV	HIGH DEFINITION VIDEO
IDF	INTERMEDIARY DISTRIBUTION FACILITY
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
POS	POINT OF SALE
PR	PAIR
PTZ	PAN TILT ZOOM
LAN	LOCAL AREA NETWORK
MDF	MAIN DISTRIBUTION FACILITY

N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
OC	ON CENTER
OFE	OWNER FURNISHED EQUIPMENT
PB	PULLBOX
MTD	MOUNTED
PWR	LOCAL POWER
R, RO	RACEWAY, RACEWAY ONLY
RECEPT	RECEPTACLE
SLV	SLEEVE
SPECS	SPECIFICATIONS
SPK	SPEAKER
SW	SWITCH
TBD	TO BE DETERMINED
TELECOM	TELECOMMUNICATIONS
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UTP	UNSHIELDED TWISTED PAIR
VID	COMPOSITE VIDEO

PLAYNETWORK
A MOOD:MEDIA COMPANY

WWW.MOODMEDIA.COM

SCALE: AS INDICATED

DATE: 2025-10-02

DRAWN BY: TA

CHECKED BY: --

PROJECT MANAGER: AB

PROJECT NUMBER: 144351

#	DATE	DESCRIPTION

FREE PEOPLE

3065 SHERIDAN DR
SUITE 204
AMHERST, NY 14226

AV SCHEDULE

AV0.01

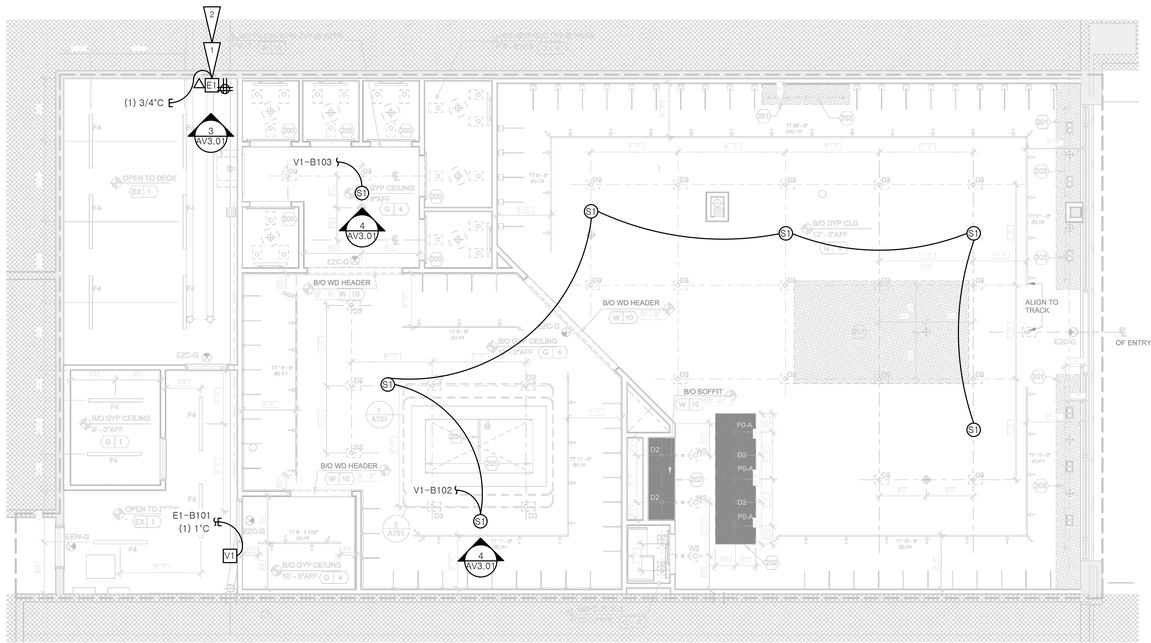
GENERAL INSTALLATION NOTES:

1) INSTALLER TO FIELD LABEL ALL CABLES AS NOTED ON 1/AV1.01 AND 1/AV3.01

FLAG NOTES:

1 VERIFY HEADEND EQUIPMENT LOCATION ON-SITE

2 EMERGENCY SOUND SYSTEM CUTOFF: CONNECT AMPLIFIER MIC MUTE TERMINAL TO NORMALLY OPEN RELAY AT FIRE ALARM PANEL. CABLE AND RELAY PROVIDED BY LIFE-SAFETY VENDOR.



1 AV LAYOUT
SCALE: 1/4"=1'-0"
0 2' 4' 8' 12'

PLAYNETWORK
A MOOD:MEDIA COMPANY

WWW.MOODMEDIA.COM

SCALE: AS INDICATED

DATE: 2025-10-02

DRAWN BY: TA

CHECKED BY: --

PROJECT MANAGER: AB

PROJECT NUMBER: 144351

#	DATE	DESCRIPTION

FREE PEOPLE

3065 SHERIDAN DR
SUITE 204
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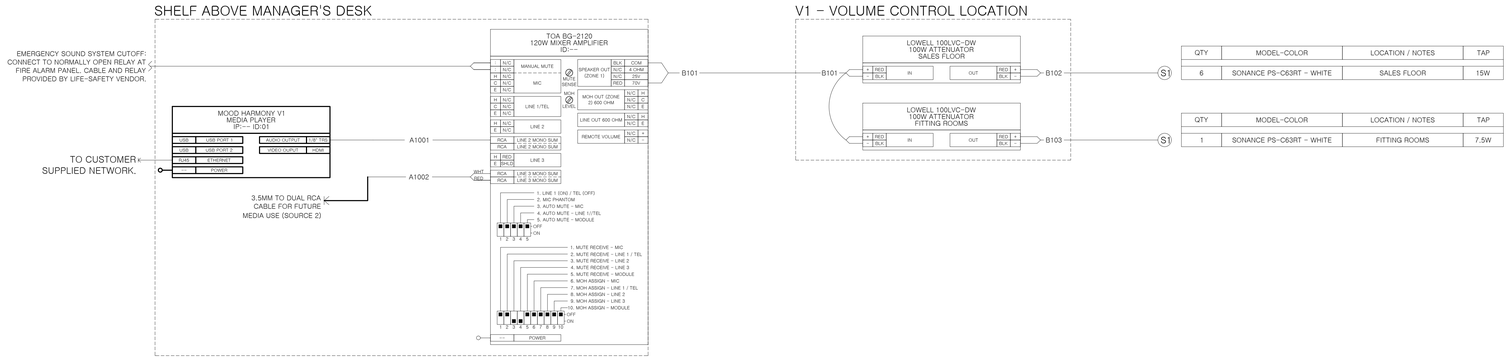
AV LAYOUT

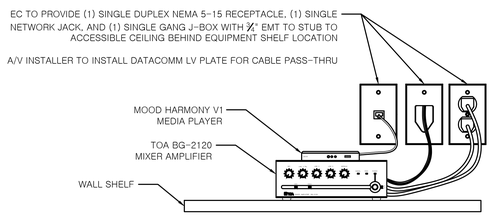
AV1.01



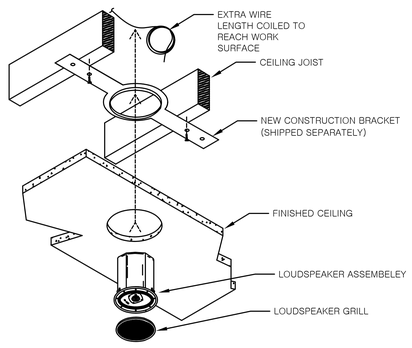
QTY	MODEL-COLOR	LOCATION / NOTES	TAP
6	SONANCE PS-C63RT – WHITE	SALES FLOOR	15W

QTY	MODEL-COLOR	LOCATION / NOTES	TAP
1	SONANCE PS-C63RT – WHITE	FITTING ROOMS	7.5W

1 AUDIOVISUAL WIRING DIAGRAM
SCALE: NTS



3 WALL SHELF DETAIL
SCALE: 3"=1'-0"
0 2" 4" 8" 12"



4 CEILING SPEAKER INSTALLATION DETAIL
SCALE: 1 1/2"=1'-0"
0 4" 8" 16" 24"

PLAYNETWORK
A MOOD:MEDIA COMPANY

WWW.MOODMEDIA.COM

SCALE: AS INDICATED
DATE: 2025-10-02
DRAWN BY: TA
CHECKED BY: --
PROJECT MANAGER: AB
PROJECT NUMBER: 144351

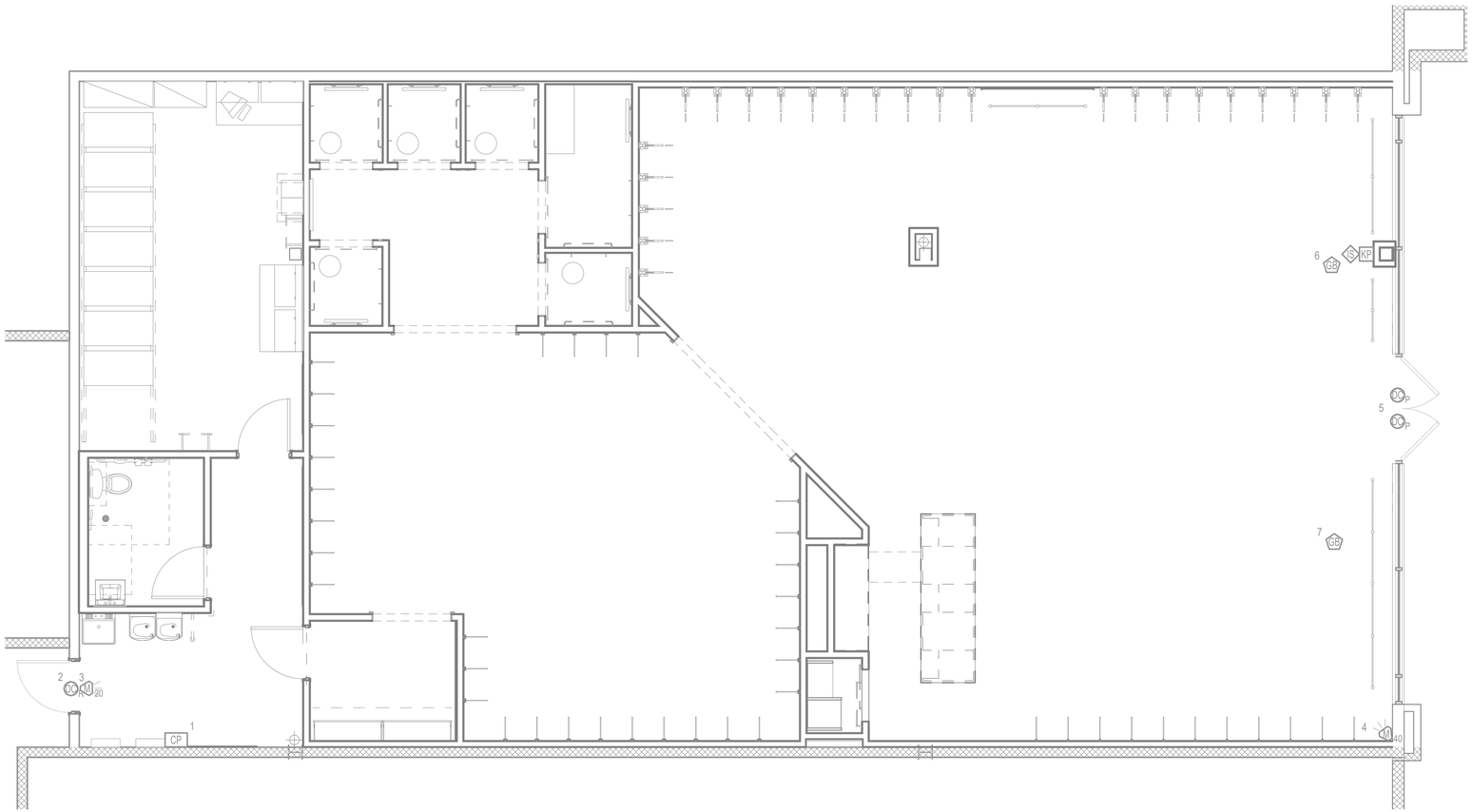
#	DATE	DESCRIPTION

FREE PEOPLE

3065 SHERIDAN DR
SUITE 204
AMHERST, NY 14226

AV WIRING DIAGRAM & DETAILS

AV3.01



FLOOR PLAN
SCALE: NTS

BURGLAR ALARM ZONE LIST

ZONES 1-8	1. BACP TAMPER	ZONES 25-32	25. *SPARE*
	2. REAR DOOR		26. *SPARE*
	3. REAR DOOR MOTION		27. *SPARE*
	4. ENTRY MOTION		28. *SPARE*
	5. ENTRY DOORS		29. *SPARE*
	6. FRONT GLASSBREAK 1		30. *SPARE*
	7. FRONT GLASSBREAK 2		31. *SPARE*
	8. *SPARE*		32. *SPARE*
ZONES 9-16	9. UNAVAILABLE		
	10. *SPARE*		
	11. *SPARE*		
	12. *SPARE*		
	13. *SPARE*		
	14. *SPARE*		
	15. *SPARE*		
	16. *SPARE*		
ZONES 17-24	17. *SPARE*		
	18. *SPARE*		
	19. *SPARE*		
	20. *SPARE*		
	21. *SPARE*		
	22. *SPARE*		
	23. *SPARE*		
	24. *SPARE*		

PROJECT CONTACTS

VECTOR OFFICE
- 703-468-6100

VECTOR FAX
- 703-468-6072

INSTALL TECH SUPPORT
- 703-468-6100 X64300

BURGLAR ALARM LEGEND

	QTY	DESCRIPTION	MODEL
CP	1	CONTROL PANEL	VISTA-21IP
PS	0	POWER SUPPLY	SMP3
EE	0	EXPANSION ENCLOSURE	BW104B
KP	1	ALARM KEYPAD	6160
IS	1	INTERIOR SIREN	WAVE2
MD WP	1	MOTION DETECTOR WALL 20'	ISC-BDL2-WP6G
MD W	1	MOTION DETECTOR WALL 40'	ISC-BDL2-W12G
MD WP	0	MOTION DETECTOR WALL 60'	ISC-CDL1-W15G
MD	0	MOTION DETECTOR - 360 CEILING	DUO240-E
MD RE	0	MOTION - REQUEST TO EXIT	DS150
DC R	1	DOOR CONTACT - RECESSED	180-12WG-W
DC H	0	DOOR CONTACT - HEAVY DUTY	4532
DC OH	0	DOOR CONTACT - OVHD TRACK	4612
DC P	2	DOOR CONTACT - PLUNGER	DS-01T-W
GB	2	GLASSBREAK DETECTOR	FG-1625

GENERAL NOTES

SECURITY DRAWING ONLY ILLUSTRATES THE DIAGRAMMATIC LAYOUT OF CONDUIT RUNS AND BY NO MEANS IS AN ACCURATE REPRESENTATION OF THE ACTUAL LOCATIONS FOR CONDUIT INSTALLATION. CONDUIT INSTALLATION WORK SHALL BE PERFORMED IN ACCORDANCE W/ URBAN DESIGN SPECIFICATION. CONDUIT LAY SHALL BE APPROVED ON SITE BY URBAN IN ADVANCE OF INSTALLATION.

ALL LOCATIONS OF MOTION SENSORS AND DOOR CONTACTS ON APPROVED ARCHITECTURAL DRAWINGS ARE TO BE REVIEWED WITH THE GENERAL CONTRACTOR DURING THE INITIAL SITE VISIT TO DETERMINE PROPER HEIGHTS, LOCATIONS AND COVERAGE ARE OBTAINABLE.

CONTROL PANEL IS TO BE INSTALLED IN ELECTRICAL ROOM.

KEYPAD MOUNTED BETWEEN 48" AND 60" AFF, LOCATE SIREN AT 8' AFF DIRECTLY ABOVE KEYPAD, REFER TO ARCHITECTURAL DRAWINGS.

NETWORK JACK TO BE PROVIDED BY THE DATA VENDOR NEXT TO CONTROL PANEL BUT IF NOT READY AT TIME OF INSTALL OUR INSTALLER WILL TIE IN TO NETWORK MODEM AND LABEL SECURITY SO DATA VENDOR CAN MOVE LATER. WE ARE TO PLUG INTO PORT 19 ON THE NETWORK MODEM.

ELECTRICAL CONTRACTOR SHALL PROVIDE 110 VOLT 15 AMP RECEPTACLE NEXT TO CONTROL PANEL.

WIRING AND CONDUIT

ALL WIRING AND CONDUIT ARE TO BE PROVIDED BY OTHER VENDORS. VECTOR SECURITY DOES NOT PROVIDE ANY WIRING OR CONDUIT.

EACH ZONE IS TO BE INDIVIDUALLY WIRED WITH 22 GAUGE 4 CONDUCTOR WIRE TO CONTROL PANEL LOCATION. LEAVE 10 FT. SLACK ABOVE CONTROL PANEL LOCATION FOR EACH POINT.

EACH INDIVIDUAL WIRE TO BE PROPERLY LABELED ON BOTH ENDS FOR EASY IDENTIFICATION.

MULTIPLE WIRE RUNS MAY SHARE COMMON CONDUIT RUNS.

ALL CONDUIT RUNS SHALL BE 3/4" EMT. CONDUIT SHALL BE RUN FROM CONTROL PANEL TO EACH KEYPAD.

PROVIDE 4" SQUARE J-BOXES W/ SINGLE GANG MUD RING @ 7' ABOVE TOP OF DOOR FRAME. MOTIONS RECEIVE A 4" SQUARE J-BOXES W/ SINGLE GANG MUD RING @ 8' AFF. GLASS BREAKS RECEIVE A 4" SQUARE J-BOXES W/ SINGLE GANG MUD RING @ 15' AFF.

EACH KEYPAD SHALL RECEIVE 22 GAUGE 4 CONDUCTOR STRANDED COPPER (PLENUM RATED WHERE A/U REQUIRED) CABLE.

CONDUIT SHALL BE RUN FROM CONTROL PANEL TO EACH SIREN. EACH SIREN SHALL RECEIVE 22 GAUGE 4 CONDUCTOR STRANDED COPPER (PLENUM RATED WHERE A/U REQUIRED) CABLE. IF WIRE RUN FOR SIREN EXCEEDS 250 FT, 18 GAUGE 4 CONDUCTOR WIRE SHOULD BE USED.

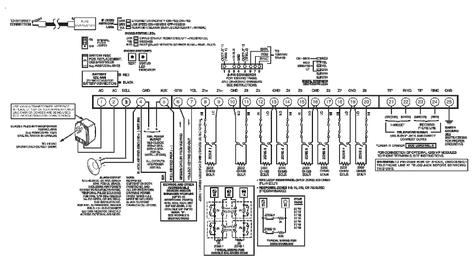
NETWORK JACK TO BE PROVIDED BY THE DATA VENDOR NEXT TO CONTROL PANEL

ELECTRICAL CONTRACTOR SHALL PROVIDE 110 VOLT 15 AMP RECEPTACLE NEXT TO CONTROL PANEL.

NOTE: SECURITY DRAWINGS ILLUSTRATE HARD-WIRED INSTALLATION ONLY.

VECTOR SECURITY DOES NOT PROVIDE THE WIRE NOR RUN THE WIRE FOR THE ALARM SYSTEM.

ALL WIRES ARE TO BE PULLED THROUGH TO THE DEVICE LOCATION AND NOT LEFT COILED UP AT THE CEILING ON PULL STRINGS



PRELIMINARY NOT FOR CONSTRUCTION

FREE PEOPLE
STATION TWELVE
3065 SHERIDAN DR
AMHERST, NY 14226

VECTOR SECURITY. NETWORKS
13555 WELLINGTON CENTER CIR.
SUITE 123
GAINESVILLE, VA 20155
703-468-6100

DRAWN BY: TRF CHECKED BY:
NSA PROJECT NUMBER:
PROJECT PHASE: DD

ISSUE / DATE :
BIDSET 10/07/25

SHEET TITLE :
BURGLAR ALARM

SHEET NO.:
BA1