



NOTE: THIS DRAWING AND ELEVATION VIEWS ARE AN ARTISTIC INTERPRETATION OF THE GENERAL APPEARANCE OF THE DESIGN. VERIFY WITH BUILDER FOR FINAL MATERIAL AND COLORS.

DRAWING LIST

| | |
|-------|-------------------------|
| A.0-1 | CODE REVIEW |
| A.0-2 | ACCESSIBILITY STANDARDS |
| A.0-3 | SCHEDULES & WALL TYPES |
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| A.2-1 | FLOOR PLAN |
| A.2-2 | FLOOR PLAN - FOUNDATION |
| A.2-3 | ROOF PLAN |
| A.2-4 | Dock Leveler |
| A.5-0 | BUILDING SECTIONS |



RIESBERG GROUP DESIGN
Grimes, Iowa
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Phone: 515-202-3386



Project ID:
24-2404

Drawn by: KMR

REVIEW
Rev. Date : 01-29-24
Rev. Date : 02-14-24
Rev. Date : 04-29-24
Rev. Date : 06-27-24
Rev. Date : 06-27-24
Rev. Date : 10-18-24
Rev. Date : 04-30-25

BID
Date : SET:

PERMIT
Date : SET:

MISC SYMBOLS

- FROST PROOF HOSE BIB
- FLOOR LINE ABOVE
- STRUCTURAL BEAM / HEADER OR GIRDER TRUSS
- LOAD BEARING WALL
- SOLID BLOCKING FROM CONCENTRATED LOAD
- x CONCENTRATED LOAD FROM ABOVE. SOLID BLOCK TO FOUNDATION OR BEAM / HEADER BELOW.
- SD SMOKE DETECTOR
- CD CARBON MONOXIDE AND SMOKE DETECTOR COMBO

DRAWING SYMBOLS LEGEND

- CEILING TAG**
 - B 10' - 0"
 - CEILING HEIGHT
 - CEILING TYPE IN LEGEND
- DOOR TAG**
 - 100
 - 1'-0"
 - DOOR CALLOUT IN SCHEDULE
 - DOOR WIDTH
- STAIR TAG**
 - 20R @ 7 1/2"
 - RISER HEIGHT PER TREAD
 - # OF RISER
- WINDOW TAG**
 - 11
 - WINDOW CALL OUT IN SCHEDULE
 - WINDOW SIZE (INCHES)
 - HEADER HGT FROM FLOOR DECKING
 - WINDOW SILL HGT FROM FLOOR DECKING ROUGH FRAMING OPENING
- ELEVATION REFERENCE**
 - NAME AND SCALE OF ELEVATION
 - DETAIL REFERENCE ON PAGE
 - INDICATES PAGE NUMBER SECTION CAN BE FOUND ON
- BUILDING SECTION REFERENCE**
 - INDICATES DIRECTION SECTION IS LOOKING
 - INDICATES PAGE NUMBER SECTION CAN BE FOUND ON

PAPER SCALE : 30' X 42' SHEET (E SIZE) SCALE ON PLAN

Royal Flooring Warehouse
Royal Flooring - Building 2
Project Location:
Waukege, Iowa

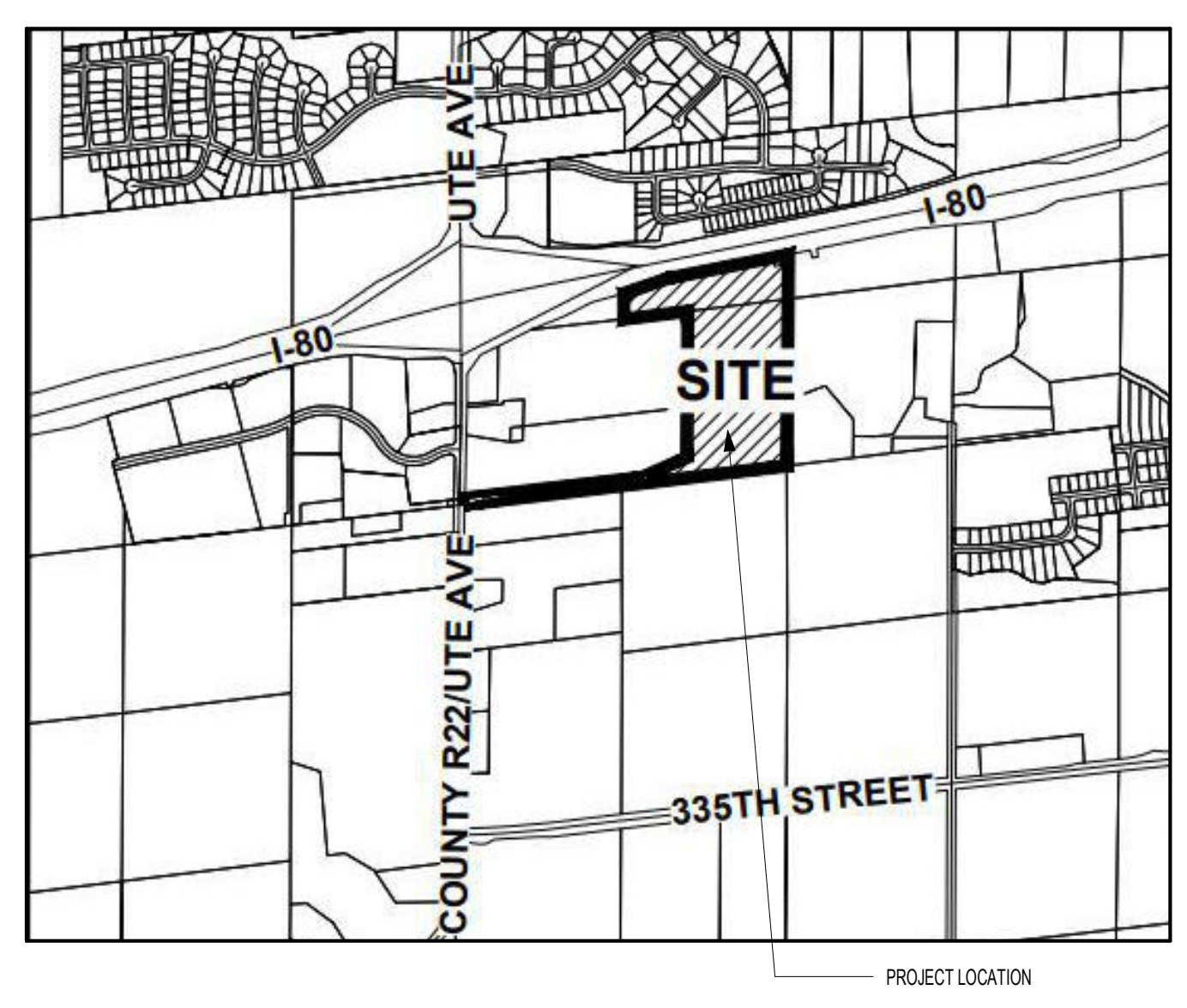
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COVER PAGE

A.0-0

Scale: As indicated

VICINITY LOCATION



PROJECT TEAM

ARCHITECTURAL DRAFTING

| | |
|-----------------|-----------------------|
| COMPANY NAME | RIESBERG GROUP DESIGN |
| COMPANY ADDRESS | GRIMES, IA |
| PHONE: | 515-202-3386 |
| FAX: | - |

STRUCTURAL

| | |
|-----------------|--|
| COMPANY NAME | XWHITE ENGINEERING AND CECO BUILDING SYSTEM (METAL BUILDING) |
| COMPANY ADDRESS | URBANDALE, IOWA |
| PHONE: | 515-491-3669 |
| FAX: | - |

CIVIL ENGINEER

| | |
|-----------------|---|
| COMPANY NAME | CIVIL DESIGN ADVANTAGE LLC |
| COMPANY ADDRESS | 4121 NW Urbandale Road Urbandale, Iowa 50322 |
| PHONE: | 515-36-4400 |
| FAX: | - |

HVAC/PLUMBING/ELECTRICAL/ DESIGN/ENERGY REVIEW

| | |
|-----------------|---|
| COMPANY NAME | - |
| COMPANY ADDRESS | - |
| PHONE: | - |
| FAX: | - |

MECHANICAL CONTRACTOR

| | |
|-----------------|---|
| COMPANY NAME | - |
| COMPANY ADDRESS | - |
| PHONE: | - |
| FAX: | - |

ELECTRICAL CONTRACTOR

| | |
|-----------------|---|
| COMPANY NAME | - |
| COMPANY ADDRESS | - |
| PHONE: | - |
| FAX: | - |

PLUMBING CONTRACTOR

| | |
|-----------------|---|
| COMPANY NAME | - |
| COMPANY ADDRESS | - |
| PHONE: | - |
| FAX: | - |

SPRINKLER SYSTEMS CONTRACTOR

| | |
|-----------------|--|
| COMPANY NAME | MIDWEST AUTOMATIC FIRE SPRINKLER COMPANY |
| COMPANY ADDRESS | 2001 De Wolf Street Des Moines, Iowa |
| PHONE: | 515-262-9311 |
| FAX: | - |

ABBREVIATIONS

- ABV: Above
- ACOUS: Acoustical
- ADDL: Additional
- ADH: Adhesive
- ADJ: Adjustable
- AFF: Above Finish Floor
- AGG: Aggregate
- AHJ: Authority Having Jurisdiction
- A/C: Air Conditioning
- ALT: Alternate
- ALUM: Aluminum
- ANC: Anchor, Anchorage
- AS: Anchor Bolt
- ANOD: Anodized
- APX: Approximate
- APT: Apartment
- ARCH: Architect (Architectural)
- ASPH: Asphalt
- AUTO: Automatic
- AVE: Avenue
- AVR: Average
- AWN: Awning
- BASMT: Basement
- BM: Beam
- BVL: Beveled
- BITUM: Bituminous
- BLK: Block
- BLKD: Blocking
- BLW: Below
- BLVD: Boulevard
- BTW: Between
- BD: Board
- BOT: Bottom
- BLDG: Building
- BUR: Built Up Roofing
- B/O: By Others
- BO: Bottom Of
- BR: Bedroom
- CAB: Cabinet
- CALC: Calculation
- CD: Cabinet Door
- CG: Corner Guard
- CIP: Cast-In-Place (Concrete)
- CL: Cantilever
- CO: Clean Out
- CONTR: Contract (or)
- COORD: Coordinate
- CRPT: Carpet
- CIP: Cast-In-Place
- CLK: Calking
- CAS: Casement
- CB: Catch Basin
- CLG: Ceiling
- CT: Ceramic Tile
- CR: Circle
- CLR: Clear
- COL: Column
- CONC: Concrete
- CMU: Concrete Masonry Unit
- CONST: Construction
- CONT: Continuous
- JT: Control Joint
- CORR: Corrugated
- CUFT: Cubic Foot
- CUYD: Cubic Yard
- DP: Damp Proofing
- DTL: Detail
- DA: Diameter
- DM: Dimension
- DW: Dishwasher
- DIV: Division
- DR: Door
- DH: Double Hung
- DS: Downspout
- DRWR: Drawer
- DT: Drain Tile
- DWS: Drawing
- D: Nail Size
- EW: Each Way
- E: East
- EL: Elevation
- ELEV: Elevation
- EQ: Equal
- EOP: Equipment
- EXCV: Excavate
- EXH: Exhaust
- EXST: Existing
- EXT: Exterior
- FOC: Face Of Concrete
- FOF: Face Of Finish
- FOM: Face Of Masonry
- FOS: Face Of Studs
- FOW: Face Of Wall
- FDB: Fiberboard
- FGB: Fiber Cement Board
- FGL: Fiberglass
- FR: Finish
- FFE: Finished Floor Elevation
- FA: Fire Alarm
- FE: Fire Extinguisher
- FEC: Fire Extinguisher Cabinet
- FLSH: Flashing
- FLR: Floor
- FLOR: Fluorescent
- FT: Foot, Feet
- FTG: Footing
- FND: Foundation
- FRM: Framed (Inj)
- FBO: Furnished By Others
- FUR: Furred
- GA: Gage, Gauge
- GAL: Gallon
- GL: Glass, Glazing
- GI: Galvanized Iron
- GLBK: Glass Block
- GLB: Glue Laminated Beam
- GT: Gout
- GRD: Grade, Grading
- GWB: Gypsum Wall Board
- HWD: Hardware
- HDR: Header
- HTG: Heating
- HVAC: Heating, Ventilation, Air Conditioning
- HT: Height
- HC: Hollow Core
- HOR: Horizontal
- HB: Hose Bib
- IN: Inch
- INCL: Include
- ID: Inside Diameter
- INS: Insulate
- INT: Interior
- INV: Invert
- JNT: Joint
- JST: Joist
- KD: Kin Dried
- KT: Kitchen
- LB: Pound
- LAM: Laminated(d)
- LAV: Lavatory
- LH: Left Hand
- L: Length
- LOA: Length Overall
- LT: Light
- LF: Lineal Feet
- LL: Live Load
- LVL: Laminated Veneer Lumber
- LVR: Louver
- MFR: Manufacturer
- MO: Masonry Opening
- MAX: Maximum
- MAS: Masonry
- MECH: Mechanical
- MC: Medicine Cabinet
- MED: Medium
- MDF: Medium Density Fiberboard
- MDO: Medium Density Overlay
- MBR: Membrane
- MTL: Metal
- MWK: Millwork
- MIN: Minimum
- MIR: Mirror
- MISC: Miscellaneous
- MOD: Module
- MLD: Moulding
- MLB: Micro Laminated Beam
- NOM: Nominal
- N: North
- NIC: Not In Contract
- NTS: Not To Scale
- NO: # Number
- O: Non-Operable Window Section
- OBS: Obscure
- OC: On Center
- OP: Opaque
- ORF: Opening
- OSB: Orientated Strand Board
- OD: Outside Diameter
- PMT: Paint(ed)
- PSD: Particle Board
- PRT: Partition
- PVMT: Pavement
- PERF: Perforate(d)
- PLAS: Plaster
- PLAM: Plastic Laminare
- PLT: Plate
- PLYWD: Plywood
- PCC: Precast Concrete
- PCF: Pounds Per Cubic Foot
- PLF: Pounds Per Linear Foot
- PSF: Pounds Per Square Foot
- PSI: Pounds Per Square Inch
- PRF: Prefabricated
- PRF: Prefomed
- PT: Pressure Treated
- PL: Property Line
- PH: Toilet Paper Hanger
- QTY: Quantity
- QT: Quarry Tile
- R: Riser
- REF: Reference
- RFL: Reflect(ed)(ive)(or)
- REFR: Refrigerator
- REG: Register
- RE: Reinforced
- REQD: Required
- RA: Return Air
- REV: Revision
- R: Riser
- RD: Rod
- R/S: Rod and Shelf
- RFG: Roofing
- RM: Room
- RO: Rough Opening
- SCH: Schedule
- SCN: Screen
- SECT: Section
- SGD: Sliding Glass Door
- SHTH: Sheathing
- SHT: Sheet
- SH: Shelf, Shelving
- SIM: Similar
- SKL: Skylight
- S: South
- SLB: Slab
- SID: Sider(Inj)
- SPEC: Specification
- SQ: Square
- STD: Standard
- STV: Slove
- STL: Steel
- STR: Structural
- SA: Supply Air
- SC: Solid Core
- SW: Shear Wall
- SS: Stainless Steel
- SYS: System
- TEL: Telephone
- TEMP: Tempered
- TK: Tight Knot
- T&G: Tongue And Groove
- T/O: Top Of
- PLAS: Plaster
- TOH: Top Of Wall
- TB: Towel Bar
- T: Tread
- TS: Tubular Steel
- TYP: Typical
- UL: Underwriters Laboratory
- UNF: Unfinished
- UNO: Unless Noted Otherwise
- V/L: Vapor Barrier
- VAR: Varnish
- VIF: Verify In Field
- VRN: Veneer
- VERT: Vertical
- VG: Vertical Grain
- VN: Vinyl Sheet
- WL: Wall
- WC: Water Closet
- WH: Water Heater
- WP: Water Proofing
- WR: Weather Resistant
- WRB: Weather Resistive Barrier
- W/WF: Welded Wire Fabric
- W/M: Welded Wire Mesh
- W: West
- W/W: Window
- W/O: Without
- W: With
- WD: Wood
- X: Operable Window Section

APPLICABLE CODES

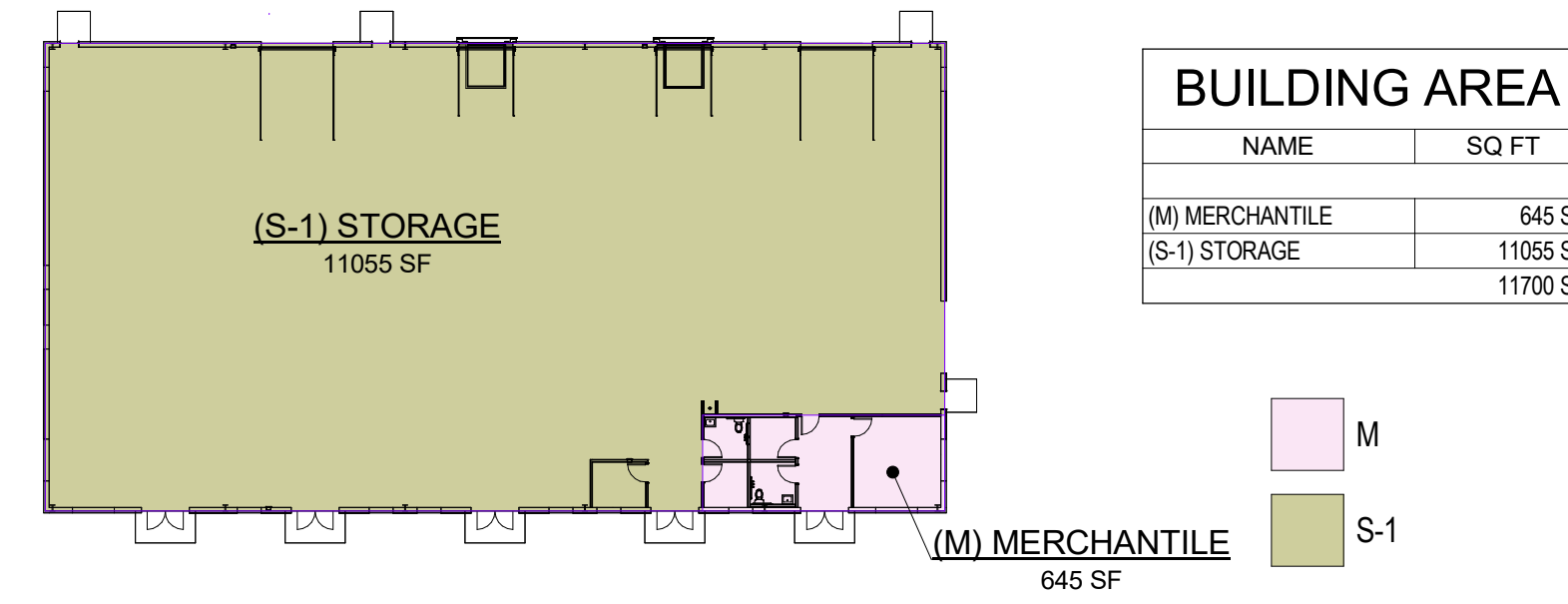
| | |
|---------------------------------------|--|
| 1. BUILDING CODE | 2006 IBC BUILDING CODE |
| 2. FIRE CODE | 2006 IFC FIRE CODE |
| 3. MECHANICAL CODE | 2006 IMC MECHANICAL CODE |
| 4. ELECTRICAL CODE | 2008 NEC NATIONAL ELECTRICAL CODE |
| 5. PLUMBING CODE | 2006 IPC PLUMBING CODE |
| 6. ENERGY CODE | 2012 ENERGY CODE |
| 7. FUEL GAS CODE | 2006 INTERNATIONAL FUEL GAS CODE |
| 8. ICCANSIA117.1 2009 (ADA STANDARDS) | 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN |

FIRE ALARM AND SUPPRESSION PLANS TO BE SUBMITTED TO FIRE MARSHALL OFFICE FOR REVIEW AND APPROVAL

| BUILDING INFORMATION | | | | |
|--|--|--|---|--|
| | CODE SECTION | ALLOWED | PROVIDED | COMMENTS |
| OCCUPANCY TYPE: | 311 304 | | STORAGE (S-1) MERCANTILE (M) | MIXED-USE OCCUPANCY: STORAGE OF CABINETS, CARPET, WOOD FLOORING, VINYL FLOORING, TILE FLOORING, APPLIANCE, FRONT SPACE - CASH AND CARRY RETAIL. |
| HEIGHTS AND AREA LIMITATION ALLOWABLE HEIGHTS LIMITATION: ALLOWABLE BUILDING STORIES: ALLOWABLE AREA LIMITATION: | TABLE 503 TABLE 503 TABLE 503 | 55'-0" (S-1 AND M) 2 STORIES (S-1) 2 STORIES (M) 12,500 SF (S-1 AND M) | 25'-10" 1 STORY 11,700 SF | COMPLIES COMPLIES WITH MORE STRINGENT REQUIREMENTS AREA INCREASE NOT NEEDED |
| AREA INCREASE CALCULATIONS | 506.1 506.2 | EQUATION 5-1 12,500 + (12,500 x 0.75) + (9000 x 0) = 21,875 EQUATION 5-2 (456496 - 0.25)(30/30) = 0.75 | 11,700 SF | COMPLIES |
| OCCUPANCY SEPARATION | TABLE 508.3.3 | NO SEPARATION REQUIRED | | |
| BUILDING ELEMENTS FIRE RESISTANCE STRUCTURAL FRAME BEARING WALLS - EXTERIOR BEARING WALLS - INTERIOR NONBEARING WALLS/PARTITIONS - EXTERIOR NONBEARING WALLS/PARTITIONS - INTERIOR FLOOR CONSTRUCTION ROOF CONSTRUCTION | TABLE 601 | TYPE IIB 0HR 0HR 0HR 0HR 0HR 0HR | TYPE IIB 0HR 0HR 0HR 0HR 0HR 0HR | |
| FIRE-RESISTANCE - EXTERIOR WALLS | TABLE 602 | 0 HR | 0 HR | X > 30'-0" |
| CONSTRUCTION CLASSIFICATION | 602.5 | | TYPE IIB - NONSPRINKLERED | |
| FIRE AND SMOKE PROTECTION FEATURES FIRE RESISTANCE RATING ALLOWABLE AREA OF EXTERIOR OPENINGS VERTICAL SEPARATION OF OPENINGS PARAPETS FIRE RESISTANCE RATING HORIZONTAL ASSEMBLIES SHAFT ENCLOSURE | 704.5 704.8 704.9 704.11 705.4 706.3.8 707.4 | X-30 (TABLE 602) NO LIMIT NO LIMIT NOT REQ 3 HOUR NOT REQ 1 HOUR- LESS THEN 4 STORIES | NOT REQ - - - - - 1 HOUR FIRE BARRIER | GREATER THEN 30 FEET FIRE SEPARATION DISTANCE EXCEPTION 1: LESS THAN 3 STORIES IN HEIGHT EXCEPTION 1: NO FIRE-RESISTANCE REQ DUE TO FIRE SEP. DISTANCE |
| INTERIOR FINISHES WALLS AND CEILING EXIT ENCLOSURES + PASSAGEWAYS CORRIDORS ROOMS AND ENCLOSED SPACES INTERIOR FLOOR FINISHES ACOUSTICAL CEILING SYSTEMS | 803.5 804 803.9 | GROUP B CLASS A CLASS B CLASS C GROUP S-2 CLASS B CLASS C | | OCCUPANCY GROUP MS-1 - NONSPRINKLERED ASTM E648 OR NFPA 253 COMPLIANCE INSTALL PER ASTM C635 AND ASTM C636 |
| MEANS OF EGRESS TOTAL OCC. LOAD EXIT CAPACITY OTHER EGRESS NUMBER OF EXITS COMMON PATH OF TRAVEL TRAVEL DISTANCE CORRIDORS CORRIDOR WIDTH DEAD ENDS | TABLE 1004.1.1 TABLE 1005.1 1015.1 1014.3 1016.1 1017.1 1017.2 1017.3 | SEE OCC. SCHEDULE (2 X OCC) NONSPRINKLERED 2 EXIT 100 FT MAX 200 FT MAX 1 HR IF OCC LOAD SERVED GREATER THAN 30 44" MIN 20 FEET MAX | 29 2 X 29 OCC = 5.8' MIN REQ 3 24'-0" 83'-0" NOT REQ NONE | 170' EXIT WIDTH PROVIDED EXCEPTION 2: OCCUPANT LOAD LESS THAN 30 |
| PLUMBING FIXTURES | UPC 422 | | | |

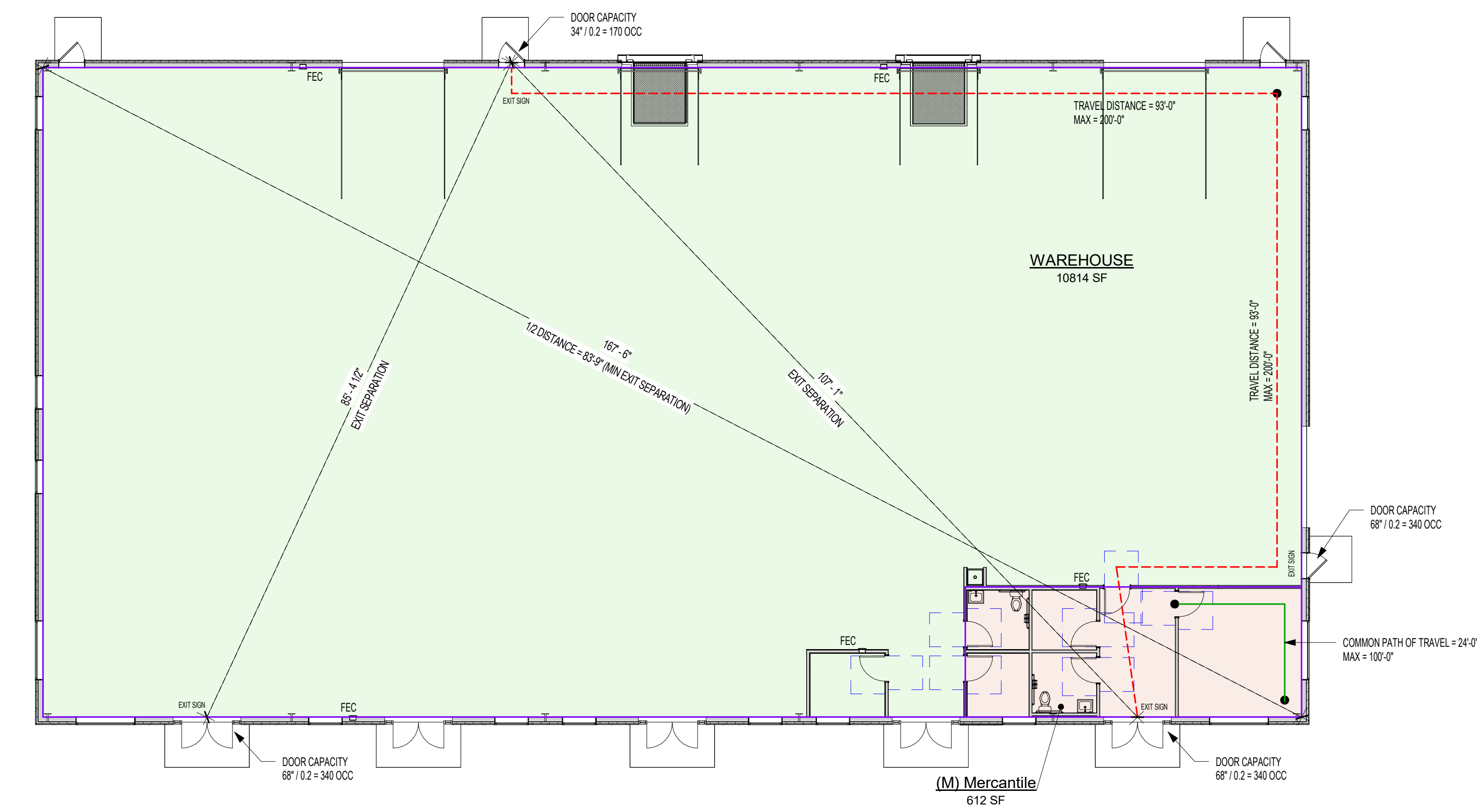
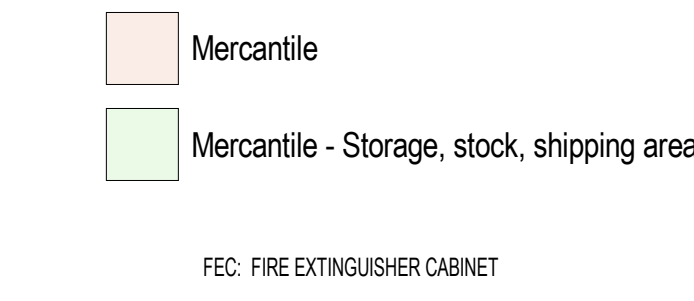
| PLUMBING FIXTURE REQUIREMENTS | | | | | | | | | | | | |
|-------------------------------|-----------|--------------------|-------------|----------------------|-------------|-----------------|-------------|-------------------|-------------|------------------------------------|----------|---------------|
| OCCUPANCY | OCC. LOAD | MALE WATER CLOSETS | | FEMALE WATER CLOSETS | | MALE LAVATORIES | | FEMALE LAVATORIES | | DRINKING FOUNTAINS | | SERVICE SINKS |
| | | RATIO | REQ'D | RATIO | REQ'D | RATIO | REQ'D | RATIO | REQ'D | RATIO | REQ'D | REQ'D |
| MERCANTILE (M) | 11 | 1:500 | 0.01 | 1:500 | 0.01 | 1:750 | 0.01 | 1:750 | 0.01 | 1:1000 | 0.01 | 1 |
| STORAGE (S-1) | 37 | 1:100 | 0.19 | 1:100 | 0.19 | 1:100 | 0.19 | 1:100 | 0.19 | 1:1000 | 0.02 | 1 |
| TOTALS | 48 | EXACT | 0.20 | 0.20 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.05 | | |
| | | ROUNDED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | PROVIDED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | WATER COOLER TO BE PROVIDED | 1 | |

| OCCUPANT LOAD | | | | |
|----------------|---|----------|--------------------|-----------|
| NAME | FUNCTION OF SPACE | AREA | SF/OCCUPANT FACTOR | OCCUPANTS |
| (M) Mercantile | Mercantile | 612 SF | 60 SF | 11 |
| | | | | 11 |
| WAREHOUSE | Mercantile - Storage, stock, shipping areas | 10814 SF | 300 SF | 37 |
| LEVEL 1 | | | | 48 |



| SEPARATION LEGEND | | |
|-------------------|-------------------------------|-------------------------|
| LABEL | PROTECTION | NOTATION |
| 1/2-FP | 1/2 HOUR FIRE BARRIER | --- |
| 1-FR | 1 HOUR FIRE RESISTANCE RATING | FROM INSIDE OF BUILDING |
| 1-FB | 1 HOUR FIRE BARRIER | --- |
| 1-FP | 1 HOUR FIRE PARTITION | --- |

2015 IFC
903.2.7 AND 903.2.9 S-1 = NON SPRINKLERED BUILDING - BUILDING IS UNDER 12,000 SQUARE FEET AND ONE STORY
903.2.7.1 = HIGH PILED STORAGE = High-piled storage includes piled, palletized, bin box, shelf or rack storage of Class I through IV combustibles to a height greater than 12 feet.
RACK STORAGE MUST BE LESS THEN 12'-0"
PILED HEIGHT LESS THAN 5'-0" IN HEIGHT
3203.4 CLASS III COMMODITIES



1 LEVEL 1 - OCCUPANT LOADS
A.0-1 3/32" = 1'-0"

- EXIT SIGNS PER SECTION 1013
- PORTABLE 2-A FIRE EXTINGUISHERS IN COMMON AREA AT A MAX TRAVEL DISTANCE OF 75' - 0' - CABINET TO BE RECESSED / MAIN 1 HOUR RATING PARTITION RATING / NOT TO PROJECT MORE THAN 4" FROM THE FACE OF WALL
- PROVIDE MEANS OF EGRESS ILLUMINATION AT MEANS OF EGRESS LOCATION IN ACCORDANCE WITH SECTION 1008.2 AND 1008.3



RIESBERG GROUP DESIGN
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Phone: 515-202-3386



Project ID:
24-2404

Drawn by: KMR

REVIEW
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BID
Date : SET:

PERMIT
Date : SET:

Royal Flooring Warehouse
Royal Flooring - Building 2
Project Location:
Waukege, Iowa

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CODE REVIEW

A.0-1

Scale: As indicated

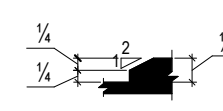
NOTES:
 1. PAGES X, X AND X ARE PROVIDED FOR GENERAL REFERENCE. IT IS THE BUILDER/CONTRACTOR'S RESPONSIBILITY TO VERIFY AND COMPLY WITH ALL CURRENT CODES, ORDINANCES, AND/OR LAWS GOVERNING THIS PROJECT. REFER TO LOCAL JURISDICTION FOR ANY MODIFICATIONS AND/OR AMENDMENTS.

REFERENCE STANDARDS:
 2010 AMERICAN WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN
 2009 ACCESSIBLE AND USEABLE BUILDING AND FACILITIES (ICC A117.1-2009)

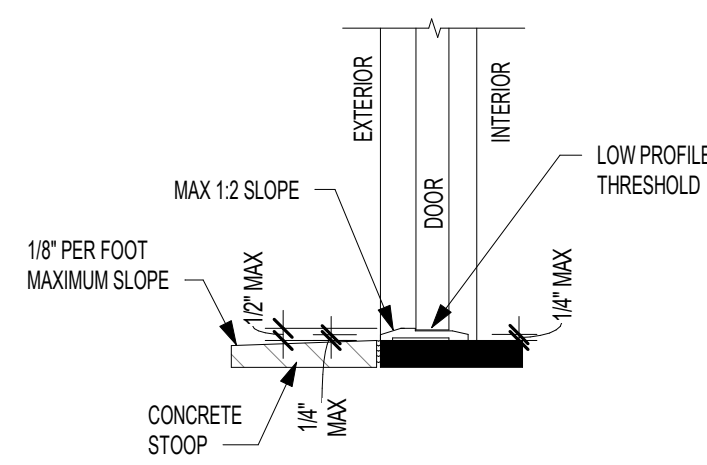
CHAPTER 3-BUILDING BLOCKS

FLOOR OR GROUND SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT AND SHALL COMPLY WITH ADA/ANSI 302. CARPET OR CARPET TILE SHALL COMPLY WITH ADA/ANSI 302.2. OPENING IN FLOORS OR GROUND SURFACES SHALL COMPLY WITH ADA/ANSI 302.3. CHANGES IN LEVEL SHALL COMPLY WITH ADA/ANSI 303.

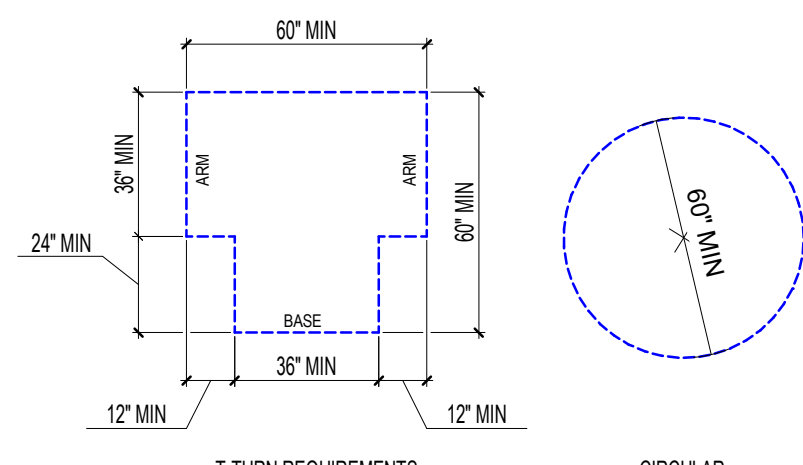
1 Beveled Change in Level
 A.O-2 3" = 1'-0"



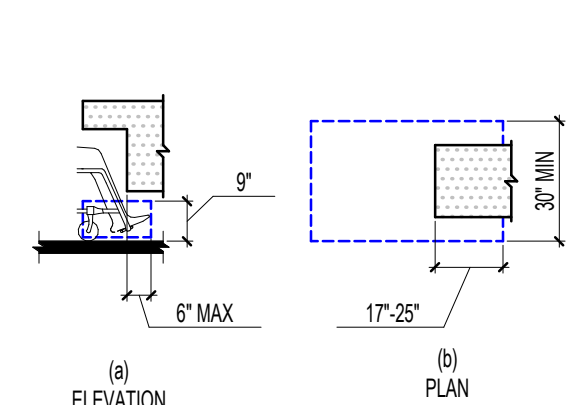
2 Vertical Change in Level - Exterior Door
 A.O-2 1 1/2" = 1'-0"



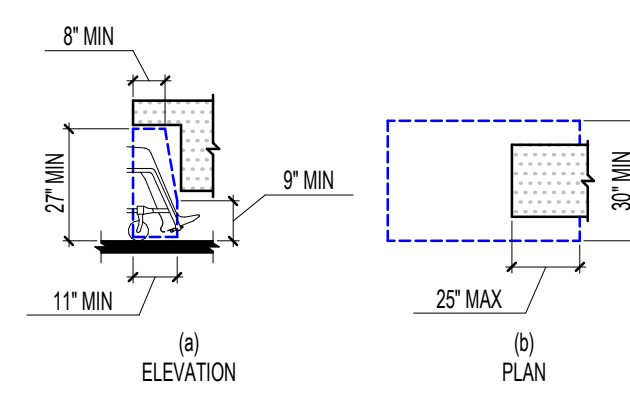
3 Turning Space
 A.O-2 1/4" = 1'-0"



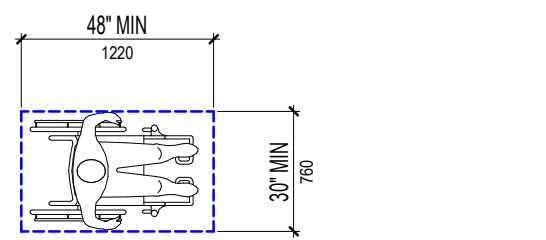
4 Toe Clearance
 A.O-2 1/4" = 1'-0"



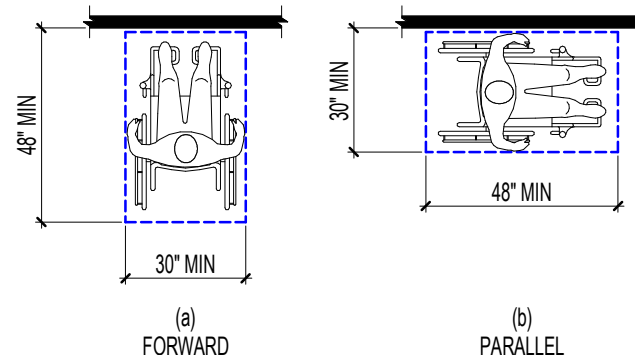
5 Knee Clearance
 A.O-2 1/4" = 1'-0"



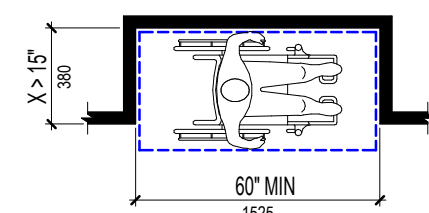
6 Clear Floor Space
 A.O-2 1/4" = 1'-0"



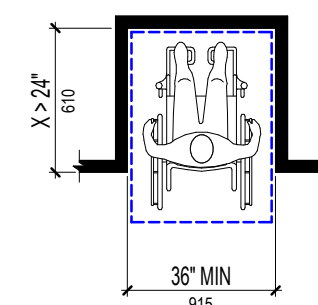
7 Position of Clear Floor Space
 A.O-2 1/4" = 1'-0"



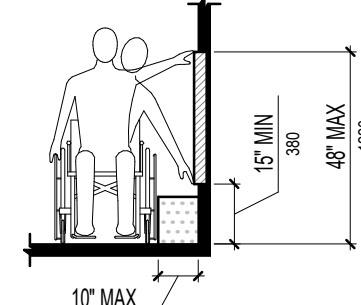
8 Maneuvering Clearance in an Alcove, Parallel Approach
 A.O-2 1/4" = 1'-0"



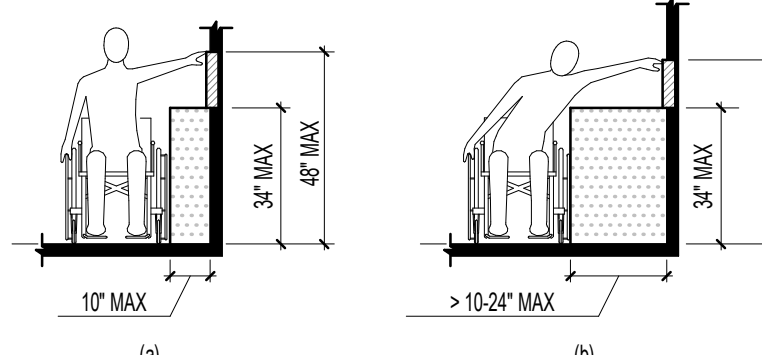
9 Maneuvering Clearance in an Alcove, Forward Approach
 A.O-2 1/4" = 1'-0"



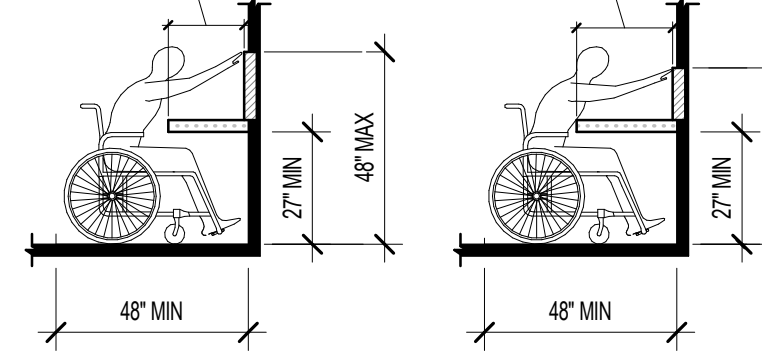
10 Unobstructed Side Reach
 A.O-2 1/4" = 1'-0"



11 Obstructed High Side Reach
 A.O-2 1/4" = 1'-0"



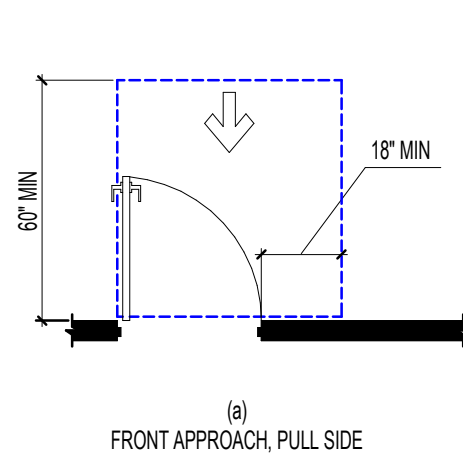
12 Obstructed High Forward Reach
 A.O-2 1/4" = 1'-0"



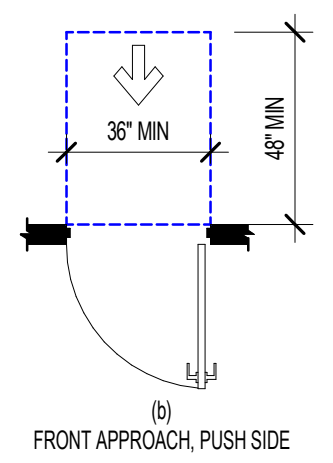
CHAPTER 4-ACCESSIBLE ROUTES

1. THRESHOLDS AT DOORWAYS SHALL BE 1/2" MAX IN HEIGHT. RAISED THRESHOLDS AND CHANGE IN LEVEL AT DOORWAYS SHALL COMPLY WITH ADA/ANSI 302 AND 302.2.
 2. DOOR HARDWARE: HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON A DOOR AND GATES SHALL COMPLY WITH ADA/ANSI 308.4. OPERABLE PARTS OF SUCH SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE FINISH FLOOR OR GROUND.
 3. DOOR CLOSURES SHALL COMPLY WITH ADA 404.2.8/ANSI 404.2.7

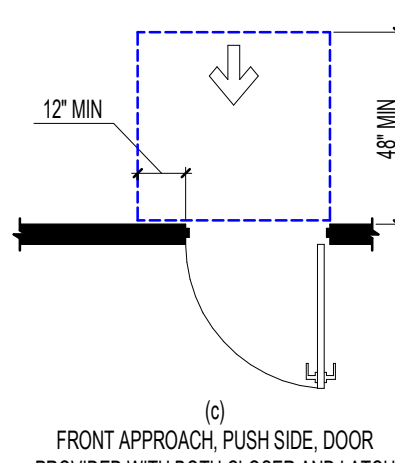
13 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



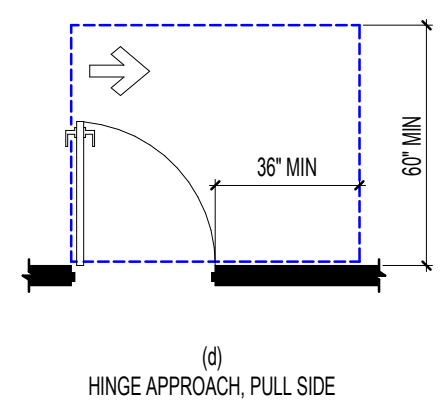
14 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



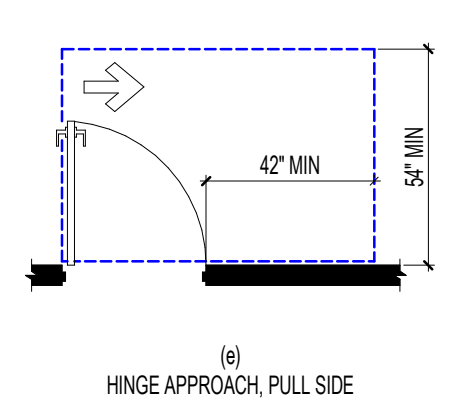
15 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



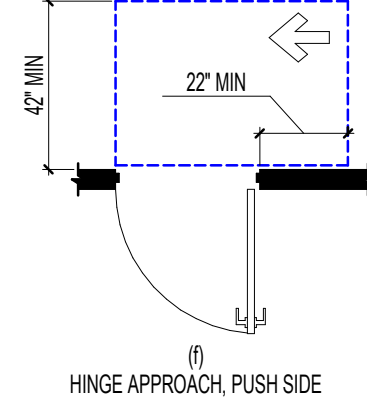
16 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



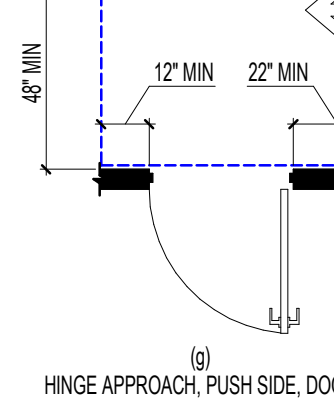
17 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



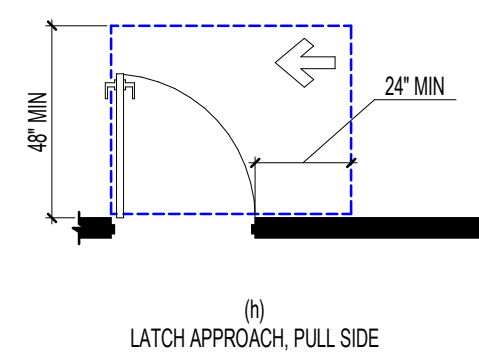
18 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



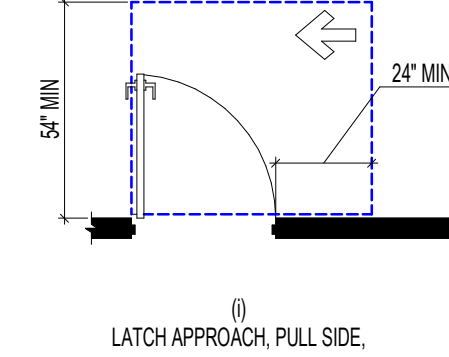
19 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



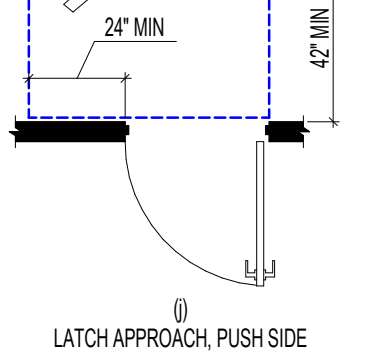
20 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



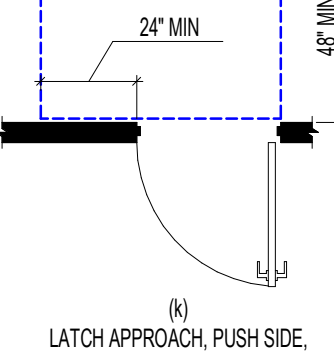
21 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



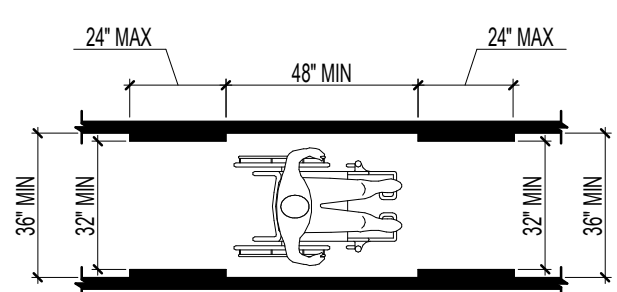
22 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



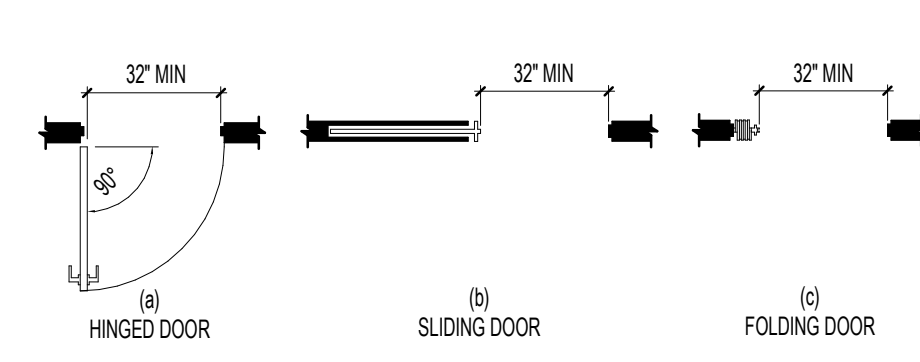
23 Clearance at Manual Swinging Door
 A.O-2 1/4" = 1'-0"



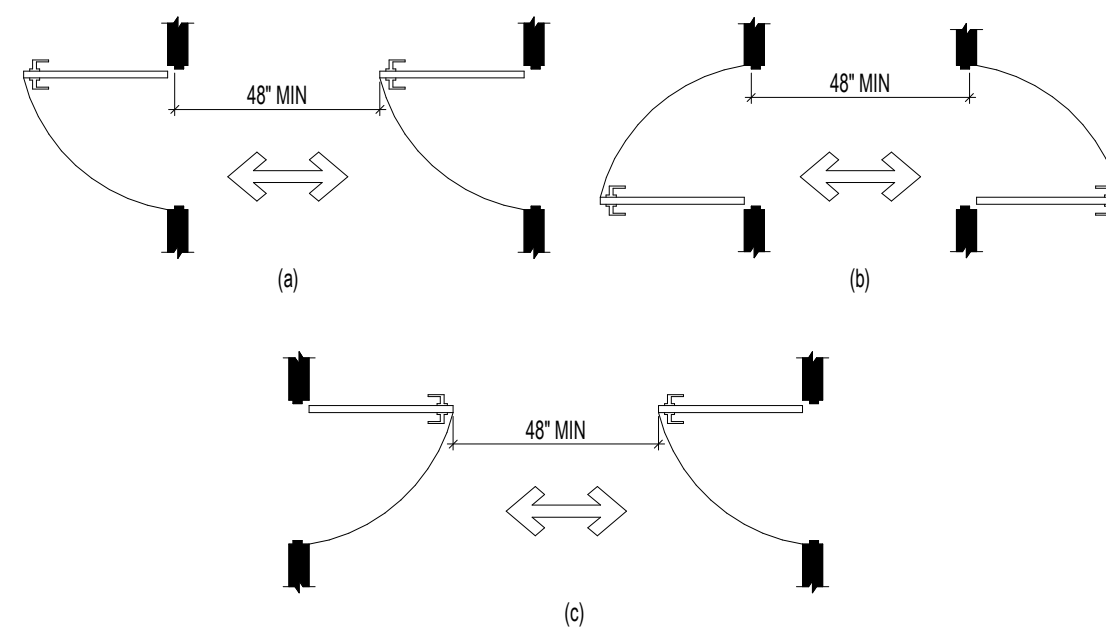
24 Clear Width of an Accessible Route
 A.O-2 1/4" = 1'-0"



25 Clear Width of Doorways
 A.O-2 1/4" = 1'-0"

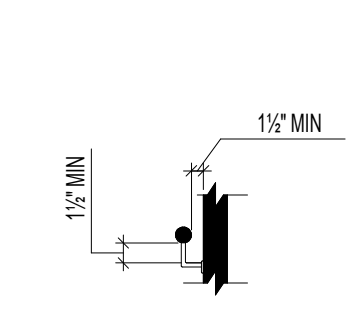


26 Doors in Series
 A.O-2 1/4" = 1'-0"

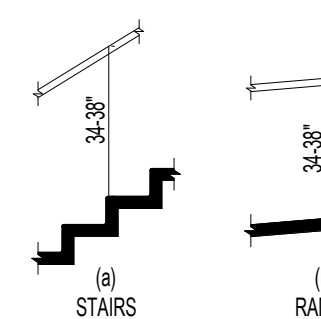


CHAPTER 5 GENERAL SITE AND BUILDING ELEMENTS

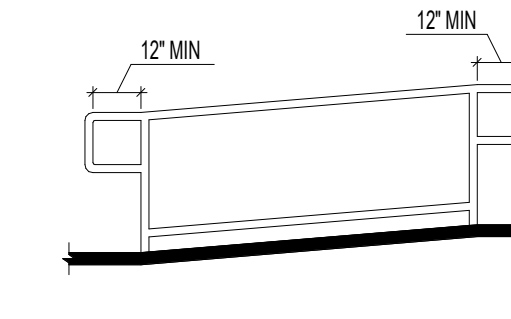
27 Handrail Clearance
 A.O-2 1/2" = 1'-0"



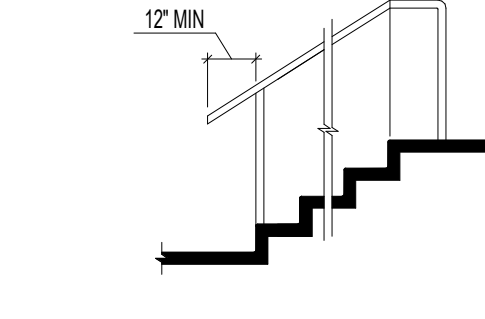
28 Handrail Height
 A.O-2 1/4" = 1'-0"



29 Handrail Extension at Ramps
 A.O-2 1/4" = 1'-0"

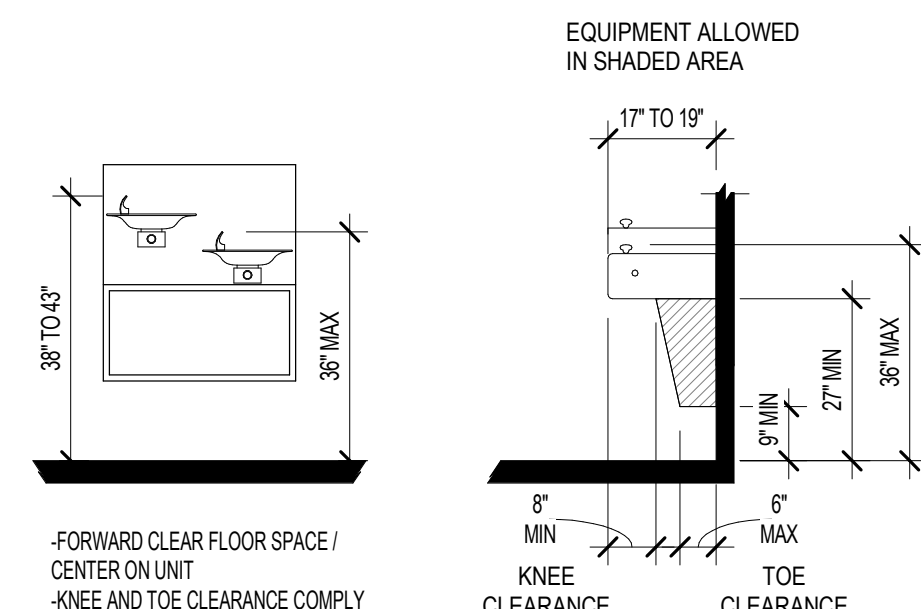


30 Handrail Extension at Stairs
 A.O-2 1/4" = 1'-0"

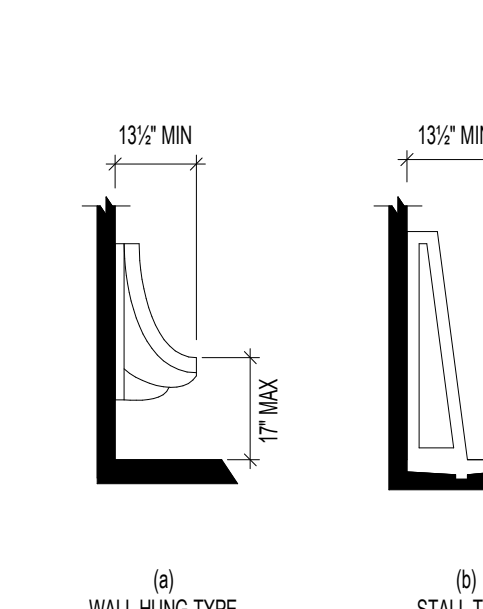


CHAPTER 6 PLUMBING ELEMENTS- PUBLIC SPACES

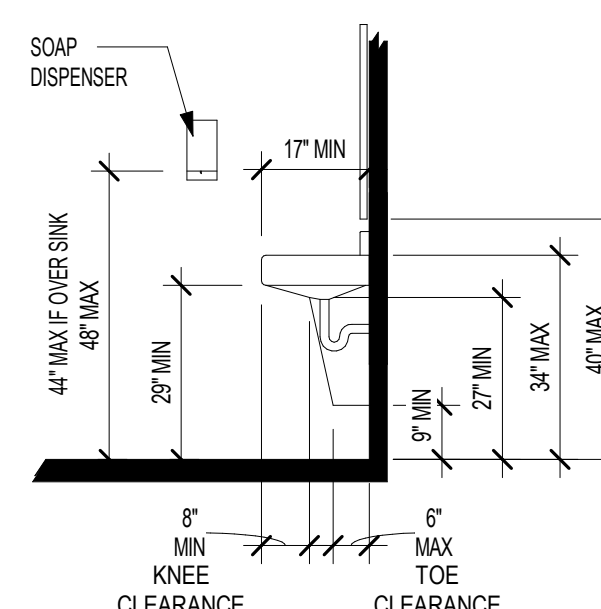
31 Drinking Fountain Spout Location
 A.O-2 3/8" = 1'-0"



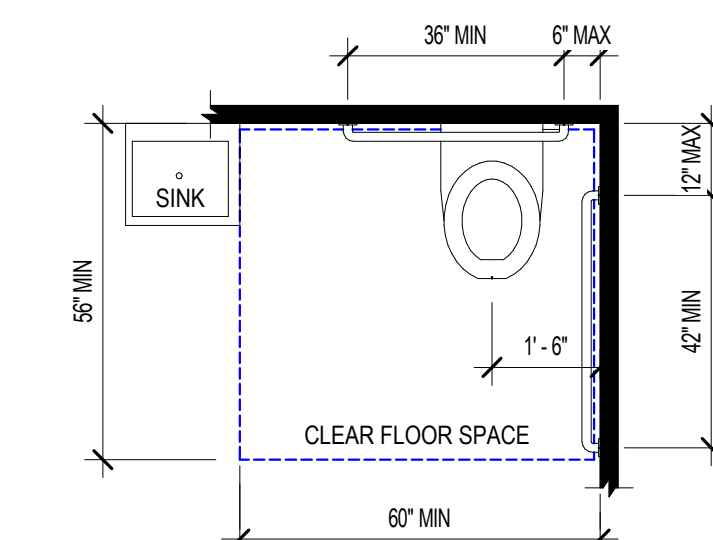
32 Height and Depth of Urinals
 A.O-2 3/8" = 1'-0"



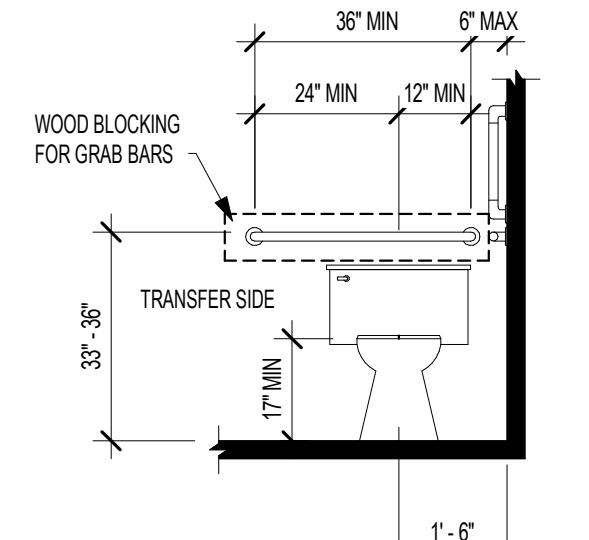
33 Lavatories and Sink
 A.O-2 3/8" = 1'-0"



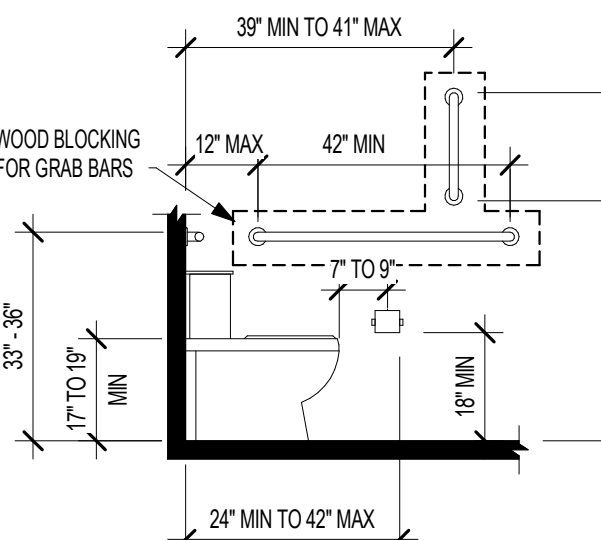
34 Clearance at Water Closets
 A.O-2 3/8" = 1'-0"



35 Rear Wall Grab Bar at Water Closets
 A.O-2 3/8" = 1'-0"



36 Side Wall Grab Bar at Water Closets
 A.O-2 3/8" = 1'-0"



RIESBERG GROUP DESIGN
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MEMBER
A I B D
 AMERICAN INSTITUTE OF BUILDING DESIGN

Project ID:
 24-2404

Drawn by: KMR

REVIEW
 Rev. Date : 01-29-24
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 Rev. Date : 06-27-24
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BID
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Royal Flooring Warehouse
 Royal Flooring - Building 2
 Project Location:
 Waukee, Iowa

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ACCESSIBILITY STANDARDS

A.O-2

Scale: As indicated



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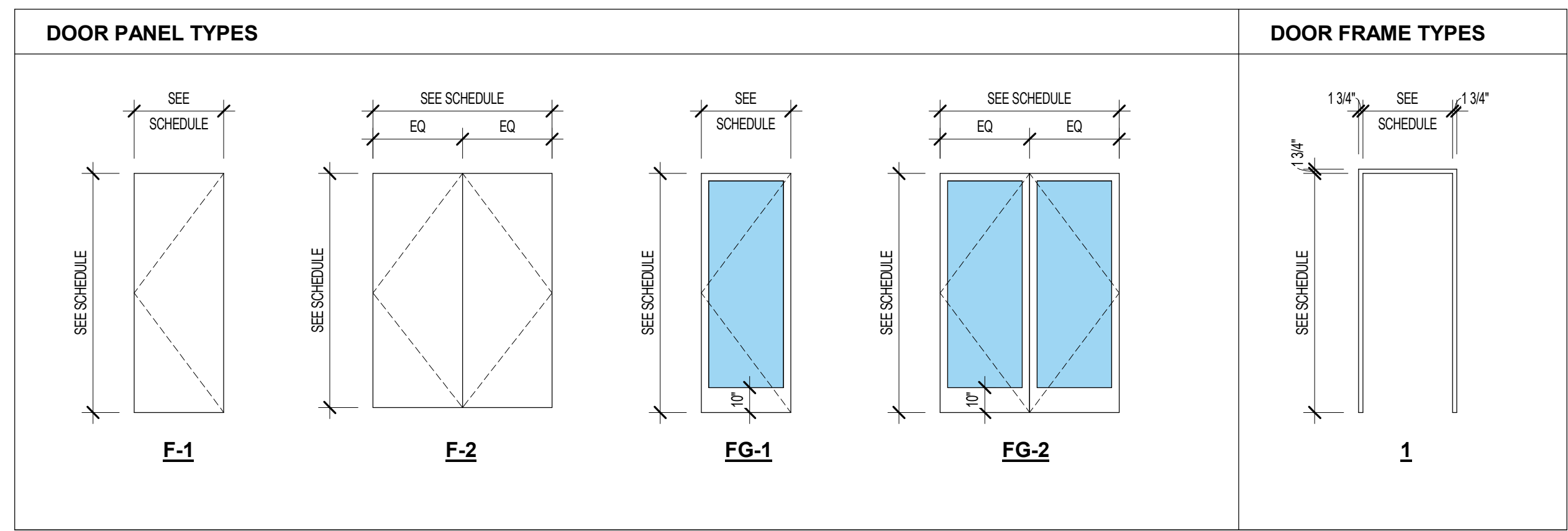
Royal Flooring Warehouse
Royal Flooring - Building 2
Project Location:
Waukege, Iowa

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SCHEDULES & WALL TYPES

A.0-3

Scale: As indicated



| DOOR SCHEDULE | | | | | | | | | | | | |
|---------------|------------|-------|--------|-----------|----------------|--------------|------------|----------------|--------------|-------------|----------------|---|
| DOOR NUMBER | PANEL TYPE | WIDTH | HEIGHT | THICKNESS | PANEL MATERIAL | PANEL FINISH | FRAME TYPE | FRAME MATERIAL | FRAME FINISH | FIRE RATING | HARDWARE GROUP | DESCRIPTION |
| 106-1 | F-1 | 3'-0" | 8'-0" | 0'-1 3/4" | WD | STN | 1.0 | RF | PT | -- | | |
| 107-1 | F-1 | 3'-0" | 8'-0" | 0'-1 3/4" | WD | STN | 1.0 | RF | PT | -- | | |
| 108-1 | F-1 | 3'-0" | 8'-0" | 0'-1 3/4" | WD | STN | 1.0 | RF | PT | -- | | |
| 109-1 | F-1 | 3'-0" | 8'-0" | 0'-1 3/4" | WD | STN | 1.0 | RF | PT | -- | | |
| 110-1 | F-1 | 3'-0" | 8'-0" | 0'-1 3/4" | WD | STN | 1.0 | RF | PT | -- | | |
| 111-1 | F-1 | 3'-0" | 8'-0" | 0'-1 3/4" | WD | STN | 1.0 | RF | PT | -- | | |
| 111-2 | | 0'-0" | 0'-0" | 0'-0" | | | | | | | | Haas 600 Series Commercial Insulated Overhead Sectional Door - 616 as Specified |
| 111-3 | | 0'-0" | 0'-0" | 0'-0" | | | | | | | | Haas 600 Series Commercial Insulated Overhead Sectional Door - 616 as Specified |
| 111-5 | F-1 | 3'-0" | 8'-0" | 0'-1 3/4" | WD | STN | 1.0 | RF | PT | -- | | |
| X1-1 | | 6'-0" | 8'-0" | 0'-2" | | | | | | -- | | |
| X1-2 | | 3'-0" | 8'-0" | 0'-1 3/4" | | | | | | -- | | Single Exterior Door -Outswing |
| X2-1 | | 6'-0" | 8'-0" | 0'-2" | | | | | | -- | | |
| X2-2 | | 3'-0" | 8'-0" | 0'-1 3/4" | | | | | | -- | | Single Exterior Door -Outswing |
| X2-3 | | 0'-0" | 0'-0" | 0'-0" | | | | | | -- | | Haas 600 Series Commercial Insulated Overhead Sectional Door - 616 as Specified |
| X3-1 | | 6'-0" | 8'-0" | 0'-2" | | | | | | -- | | |
| X4-1 | | 6'-0" | 8'-0" | 0'-2" | | | | | | -- | | |
| X5-1 | | 6'-0" | 8'-0" | 0'-2" | | | | | | -- | | |
| X5-2 | | 3'-0" | 8'-0" | 0'-1 3/4" | | | | | | -- | | Single Exterior Door -Outswing |
| X5-3 | | 0'-0" | 0'-0" | 0'-0" | | | | | | -- | | Haas 600 Series Commercial Insulated Overhead Sectional Door - 616 as Specified |
| X5-4 | | 0'-0" | 0'-0" | 0'-0" | | | | | | -- | | Aluminum Sectional Rail and Stile Doors |
| X5-5 | | 3'-0" | 8'-0" | 0'-1 3/4" | | | | | | -- | | Single Exterior Door -Outswing |

MATERIAL ABBREVIATIONS
 ALU: ALUMINUM
 GLZ: GLAZING
 HM: HOLLOW METAL
 RF: RED FRAME
 STL: STEEL
 WD: WOOD

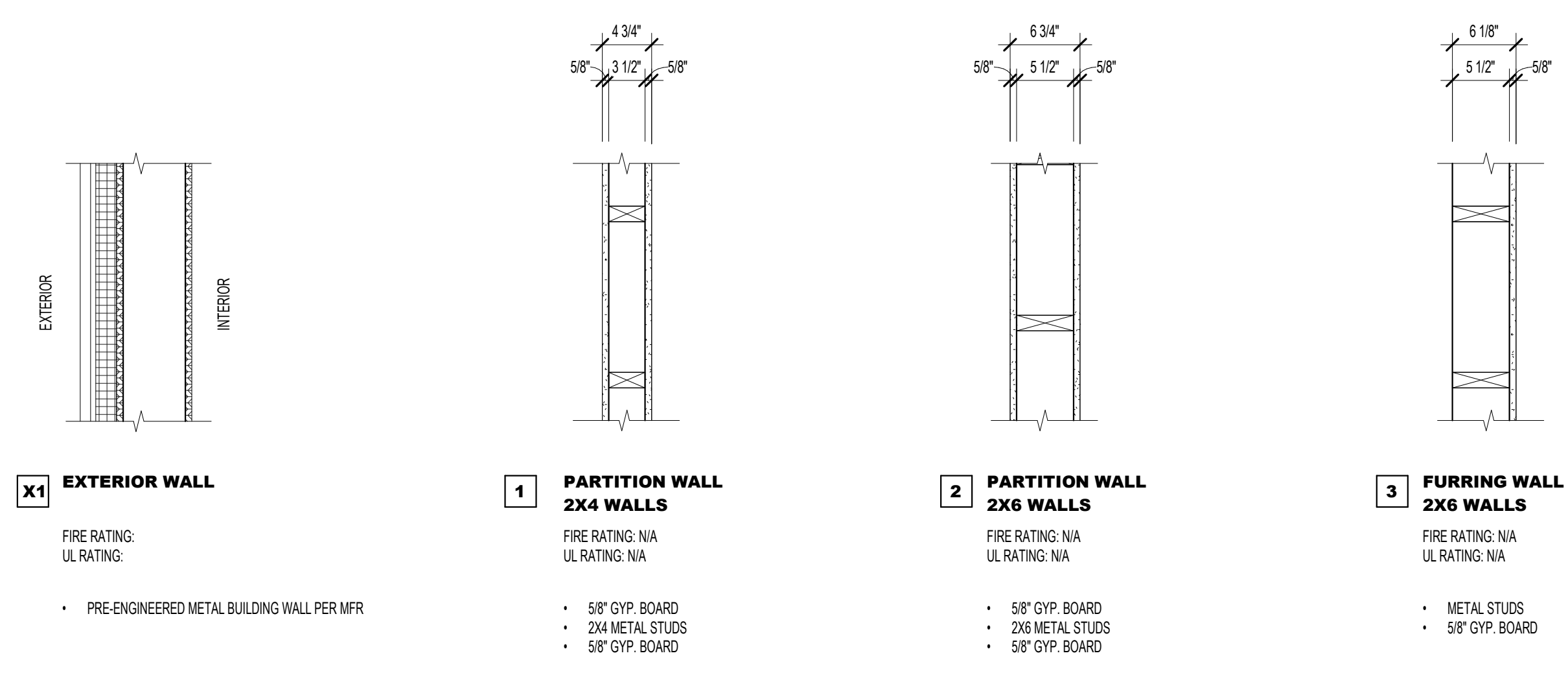
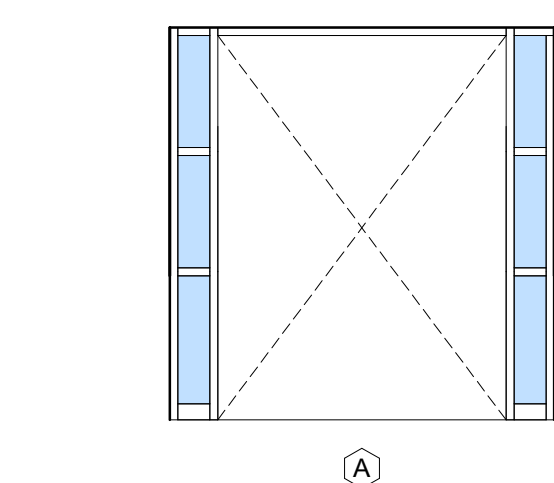
FINISH ABBREVIATIONS
 ANO: ANODIZED
 PT: PAINT
 STN: STAIN

NOTE: 1. VERIFY ROUGH OPENING WITH BUILDER
 2. PROVIDE LEVER HARDWARE FOR ALL LOCKSETS
 3. PROVIDE CONDUIT IN CONCEALED CONSTRUCTION FOR ELECTRIC STRIKE
 4. MAX 1/2" THRESHOLD
 5. LOCATE ACCESSIBLE HARDWARE BETWEEN 34" AND 48" ABOVE FINISHED FLOOR
 6. ALL GLAZING IN DOORS TO BE SAFETY GLASS TO MEET CODE

| WINDOW SCHEDULE | | | | | | | | | |
|-----------------|-----|-----------|----------------|--------|--------|--------|-------------|---------------|---------|
| ID | QTY | TYPE | ROUGH OPENINGS | | HEADER | | Sill Height | SPECIAL NOTES | Level |
| | | | WIDTH | HEIGHT | HEIGHT | HEIGHT | | | |
| B | 4 | 84 x 96 F | 7'-0" | 8'-0" | 8'-2" | 0'-2" | Fixed | | LEVEL 1 |
| C | 6 | 84 x 84 F | 7'-0" | 7'-0" | 19'-2" | 12'-2" | Fixed | | LEVEL 1 |
| D | 10 | 48 X 62 F | 4'-0" | 5'-2" | 8'-2" | 3'-0" | Fixed | | LEVEL 1 |
| E | 6 | 48 X 30 F | 4'-0" | 2'-6" | 19'-2" | 16'-8" | Fixed | | LEVEL 1 |
| F | 3 | 96 X 30 F | 8'-0" | 2'-6" | 19'-2" | 16'-8" | Fixed | | LEVEL 1 |

1 STOREFRONT ELEVATIONS
 A.0-3 1/4" = 1'-0"

ALUMINUM STOREFRONT WINDOW & ENTRY SYSTEM WITH 1" INSULATED LOW E GLASS (PER MANUFACTURER) FLASHING (PER MANUFACTURER) TEMPERED GLASS LOCATIONS PER CODE



2 WALL ASSEMBLIES
 A.0-3 1" = 1'-0"

X1 EXTERIOR WALL
 FIRE RATING: N/A
 UL RATING:
 • PRE-ENGINEERED METAL BUILDING WALL PER MFR

1 PARTITION WALL 2X4 WALLS
 FIRE RATING: N/A
 UL RATING: N/A
 • 5/8" GYP. BOARD
 • 2X4 METAL STUDS
 • 5/8" GYP. BOARD

2 PARTITION WALL 2X6 WALLS
 FIRE RATING: N/A
 UL RATING: N/A
 • 5/8" GYP. BOARD
 • 2X6 METAL STUDS
 • 5/8" GYP. BOARD

3 FURRING WALL 2X6 WALLS
 FIRE RATING: N/A
 UL RATING: N/A
 • METAL STUDS
 • 5/8" GYP. BOARD



RIESBERG GROUP DESIGN

Grimes, Iowa
riesberggroup@gmail.com
Phone: 515-202-3386



Project ID:
24-2404

Drawn by: KMR

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Royal Flooring Warehouse
Royal Flooring - Building 2
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EXTERIOR ELEVATIONS

A.1-0

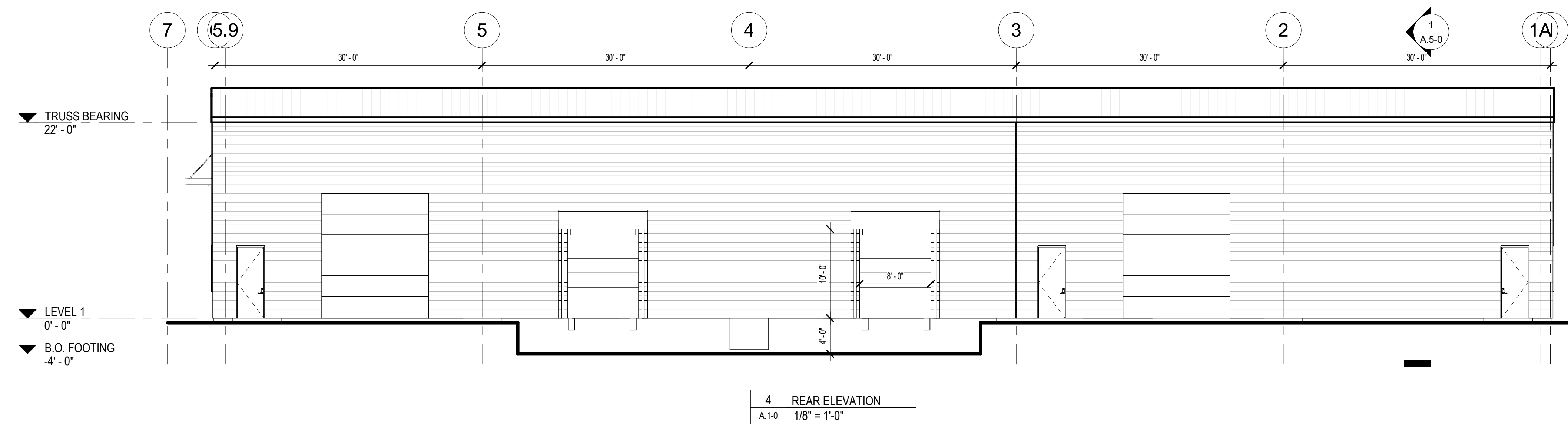
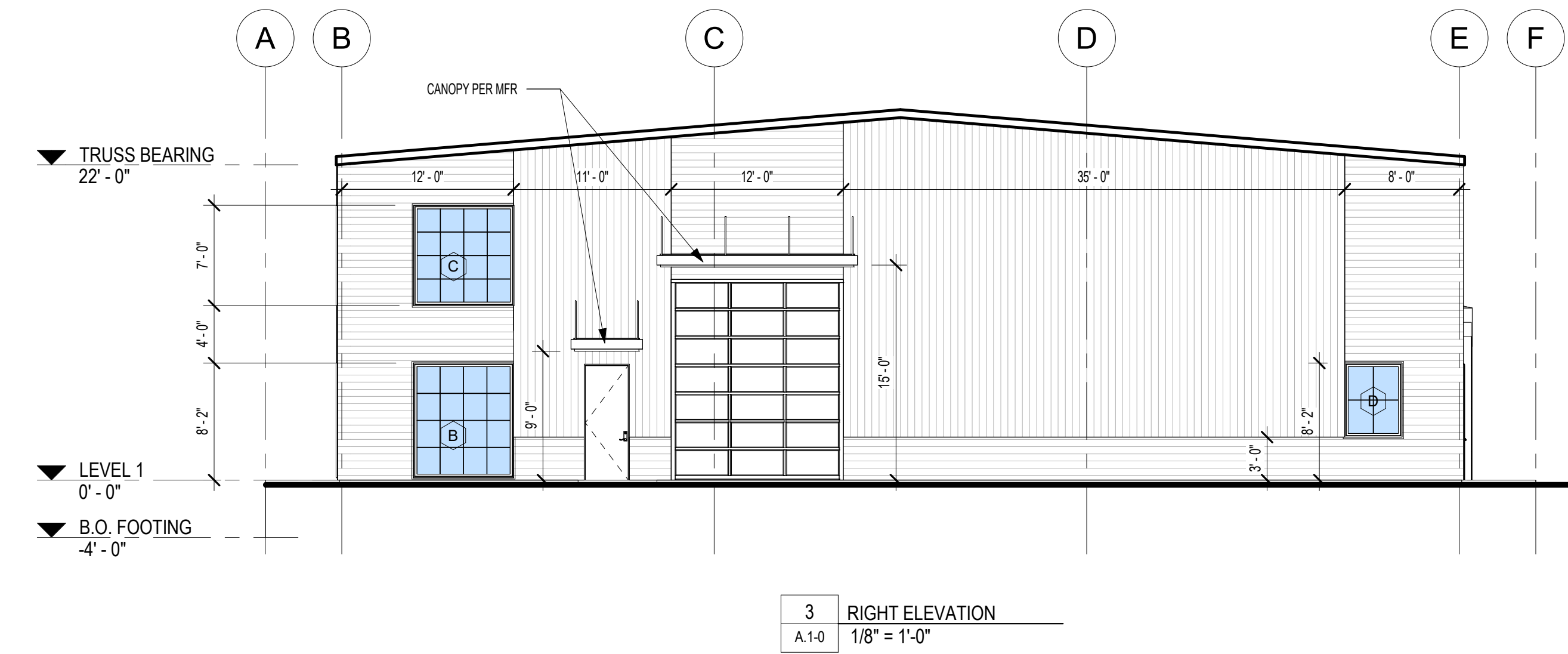
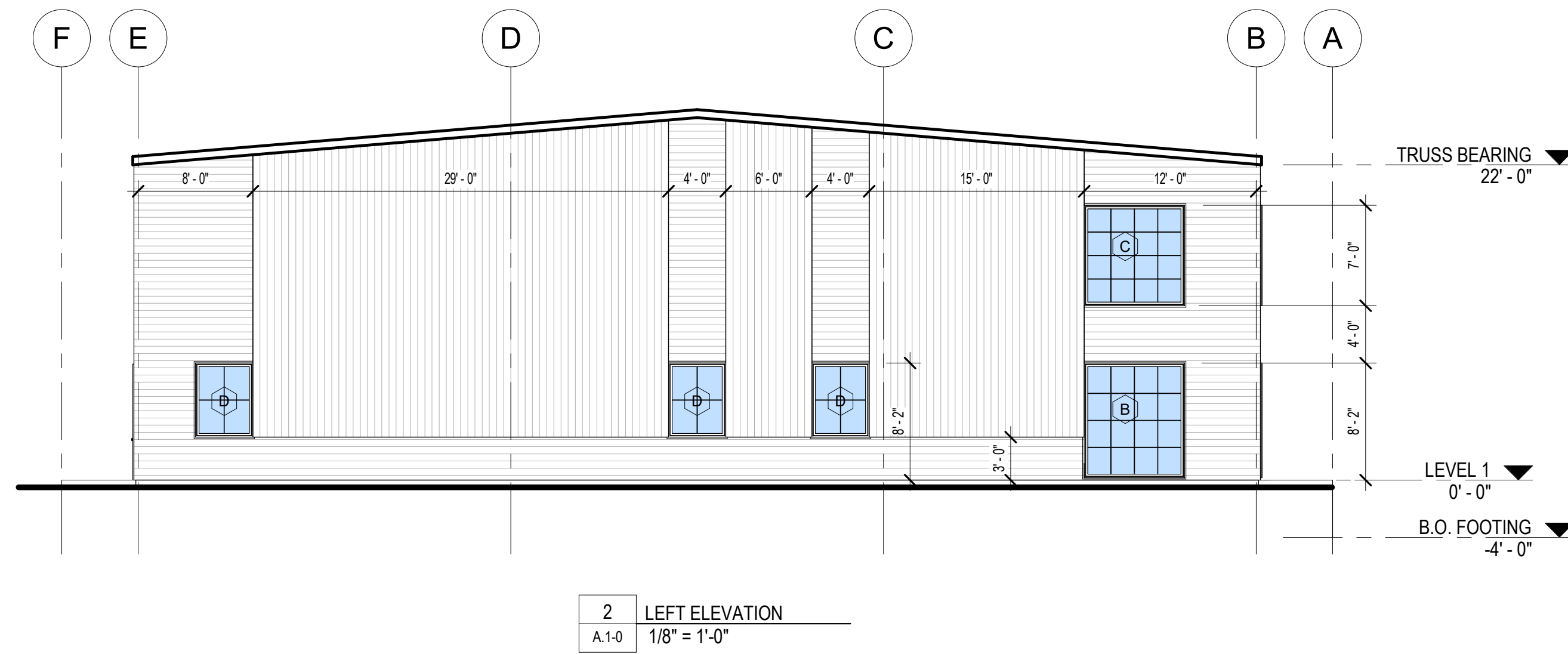
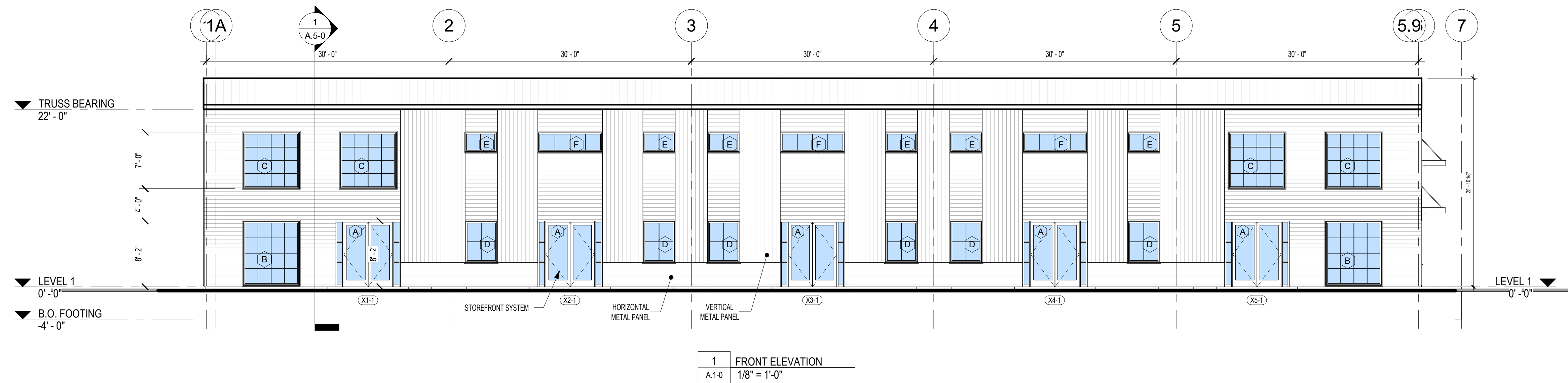
Scale: 1/8" = 1'-0"

GENERAL ELEVATION NOTES:

1. ALL HORIZONTAL TRANSITIONS BETWEEN DIFFERENT MATERIALS SHALL BE FLASHED CONTINUOUS FROM UP BEHIND UPPER MATERIAL AND EXTEND OVER TO EXTERIOR FACE OF LOWER MATERIAL WITH DRIP EDGE.
2. FLASHING TO BE INSTALLED AT WALL AND ROOF INTERSECTIONS AND WHEREVER THERE'S A CHANGE IN ROOF SLOPE DIRECTION AND ROOF OPENINGS.
2. ANY RETURNS OR BLIND ELEVATIONS NOT SHOWN SHALL BE SIMILAR IN MATERIAL AND MAKEUP TO ADJACENT CONDITIONS OR OTHER SIMILAR CONDITIONS.
3. CAULK & SEAL ALL TRANSITION-CONTROL-EXPANSION AT ALL EXTERIOR MATERIALS.
4. INSULATE AND SEAL TO ENSURE ADEQUATE AIR INFILTRATION BARRIER AROUND ALL EXTERIOR PENETRATIONS TO PREVENT WATER AND PIPE FREEZING.
5. GROUND LINES SHOWN FOR REFERENCE ONLY AND VARY DEPENDING ON SITE CONDITIONS.

EXTERIOR FINISHES

- HORIZONTAL METAL PANEL, COLOR 1
COLOR: TBD
- VERTICAL METAL PANEL, COLOR 2
COLOR: TBD
- MISC METAL (PARAPET CAP, CANOPY, GUTTER, DOWNSPOUTS)
COLOR: TBD
- ALUMINUM STOREFRONT SYSTEM
OLDCASTLE BUILDING ENVELOPE
3000 THERMAL MULTIPLANE, CENTER SET
COLOR: BLACK





RIESBERG GROUP DESIGN

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Phone: 515-202-3386

MEMBER



AMERICAN INSTITUTE OF BUILDING DESIGN

Project ID:
24-2404

Drawn by: KMR

REVIEW

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Royal Flooring Warehouse

Royal Flooring - Building 2
Project Location:
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FLOOR PLAN

A.2-1

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

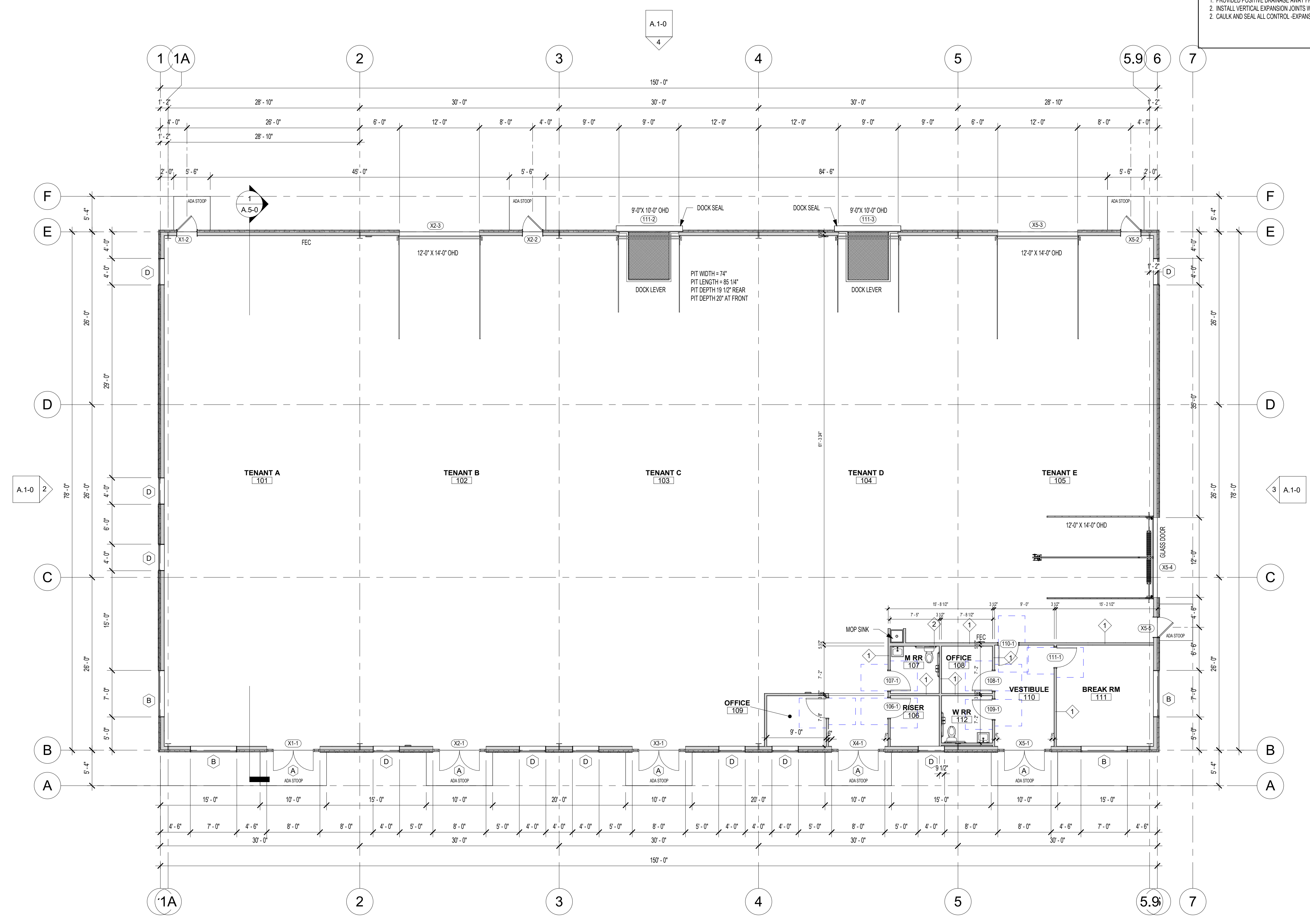
GENERAL FLOOR PLAN NOTES

DIMENSION ON PLAN:

1. EXTERIOR DIMENSIONS ARE FROM THE OUTSIDE OF SHEATHING TO OUTSIDE OF SHEATHING OR FROM FACE OF MASONRY TO FACE OF MASONRY.
2. INTERIOR DIMENSIONS ARE FROM THE FACE OF STUD TO FACE OF STUD.
3. CEILING HEIGHT NOTES ARE FROM TOP OF FLOOR DECKING TO BOTTOM OF CEILING FRAMING MATERIAL.
4. PORCH / DECK HEIGHTS NOTED ARE TAKEN FROM TOP OF MAIN FLOOR DECK AND NOT FROM DECK OR CONCRETE HGT. (UNLESS NOTED)

GENERAL:

1. ALL SITE INFO, FURNITURE, AND FIXTURES SHOWN ARE CONCEPTUAL. REFER TO CIVIL, FIRE SUPPRESSION, PLUMBING, MECHANICAL, ELECTRICAL, COMMUNICATIONS DOCUMENTS OR CONSULTANTS FOR SPECIFIC DESIGN INFORMATION.
1. PROVIDED POSITIVE DRAINAGE AWAY FROM THE BUILDING.
2. INSTALL VERTICAL EXPANSION JOINTS WHERE REQUIRED FOR STANDARD MATERIAL PRACTICE TO REDUCE STRESS CRACKING.
2. CAULK AND SEAL ALL CONTROL, EXPANSION, SAWCUT JOINTS AT ALL INTERIOR AND EXTERIOR CONCRETE.



1 LEVEL 1 - FLOOR PLAN
A.2-1 1/8" = 1'-0"

A.1-0



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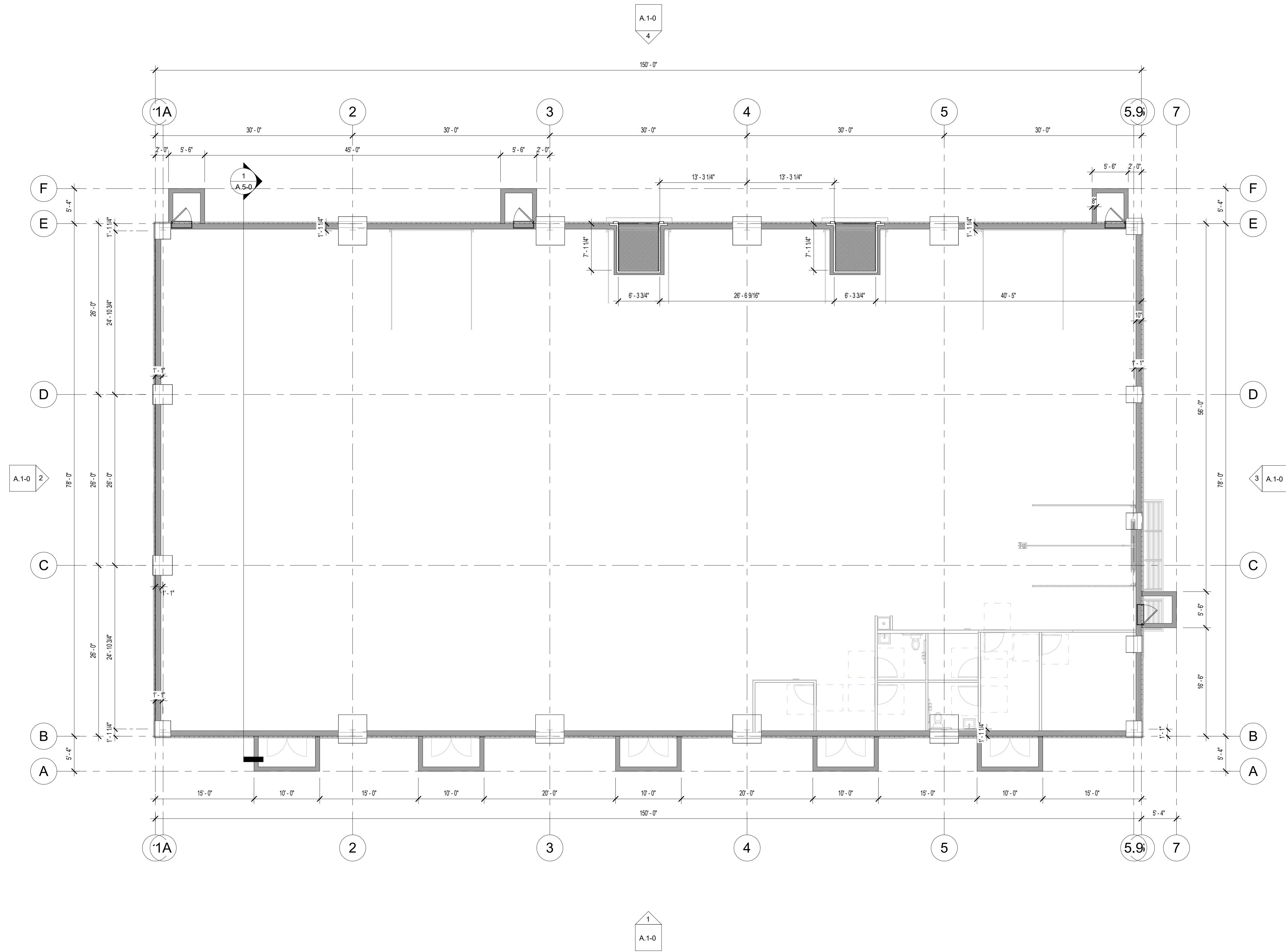
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Project Location:
Waukege, Iowa

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FLOOR PLAN -
FOUNDATION

A.2-2

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





RIESBERG GROUP DESIGN

Grimes, Iowa
riesberggroup@gmail.com
Phone: 515-202-3386

MEMBER



Project ID:
24-2404

Drawn by: KMR

REVIEW

Rev. Date : 01-29-24
Rev. Date : 02-14-24
Rev. Date : 04-29-24
Rev. Date : 06-27-24
Rev. Date : 06-27-24
Rev. Date : 10-18-24
Rev. Date : 04-30-25

BID

Date : SET:

PERMIT

Date : SET:

Royal Flooring Warehouse

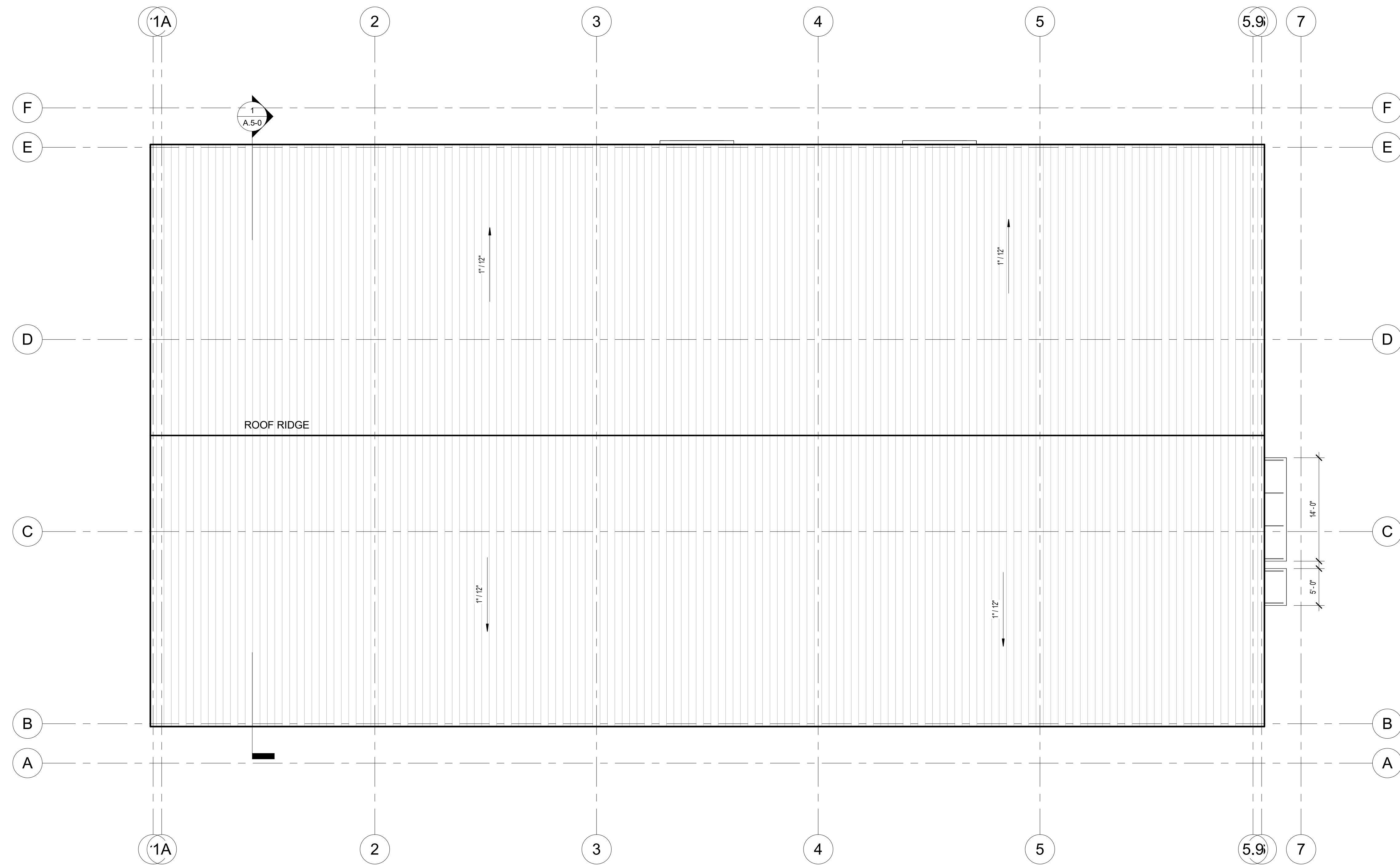
Royal Flooring - Building 2
Project Location:
Waukege, Iowa

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ROOF PLAN

A.2-3

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



| | |
|-------|--------------|
| 1 | ROOF PLAN |
| A-2-3 | 1/8" = 1'-0" |



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Royal Flooring Warehouse
Royal Flooring - Building 2
Project Location:
Waukege, Iowa

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Dock Leveler

A.2-4

Scale:

DOCK SUMMARY:
MU009-25-AM
-2 UNIT(S)
-MECHANICAL
-3500
-18 INCH LIP/FULL WIDTH
-MECHANICAL FALL SAFE
-LEVEL APPROACH

DOCK OPTIONS:
-SIDE BRUSH BOTH SIDES-UP TO 8 FT MODELS
-BATTLESHIP GRAY

INSTALLATION OPTIONS:
-CB411-MX - (X) LAMINATED BUMPERS 4.5inDx14inWx10inH - Botted
-A VEHICLE RESTRAINT HAS BEEN DECLINED.

GENERAL ARRANGEMENT

BLUE GIANT
Pit Dock Approval

CB-718899-1-02
SHEET 1 OF 4

GENERAL NOTES:

- NOT APPROVED FOR CONSTRUCTION
- ALL CONCRETE AND CONSTRUCTION WORK MUST CONFORM TO APPLICABLE LOCAL BUILDING CODES
- CONDUITS MADE OF PLASTIC PIPE 80 P.S.I (87203mm) MIN BEND RADIUS
- MINIMUM CONCRETE STRENGTH 3000 P.S.I
- MINIMUM CURB ANGLE 3" X 3" X 1/4"(76mmX76mmX6mm) EMBEDDED INTO CONCRETE REQUIRED
- CONDUIT/CONTROL BOX/COMMUNICATION LIGHT LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS TO BE DETERMINED BY INSTALLER

ATTENTION:

- IF POURED SEPARATELY, BOTTOM PAD MUST BE ≥ 6 INCHES FROM THE FINISHED PIT WALL ON ALL SIDES.
- ALL VERTICAL REBAR MUST BE NO CLOSER THAN 3 INCHES FROM THE FINISHED PIT WALL ON ALL SIDES.

PIT DETAIL

BLUE GIANT
CB-718899-1-02
SHEET 3 OF 4

GENERAL NOTES:

- NOT APPROVED FOR CONSTRUCTION
- ALL CONCRETE AND CONSTRUCTION WORK MUST CONFORM TO APPLICABLE LOCAL BUILDING CODES
- CONDUITS MADE OF PLASTIC PIPE 80 P.S.I (87203mm) MIN BEND RADIUS
- MINIMUM CONCRETE STRENGTH 3000 P.S.I
- MINIMUM CURB ANGLE 3" X 3" X 1/4"(76mmX76mmX6mm) EMBEDDED INTO CONCRETE REQUIRED
- CONDUIT/CONTROL BOX/COMMUNICATION LIGHT LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS TO BE DETERMINED BY INSTALLER

ATTENTION:

- IF POURED SEPARATELY, BOTTOM PAD MUST BE ≥ 6 INCHES FROM THE FINISHED PIT WALL ON ALL SIDES.
- ALL VERTICAL REBAR MUST BE NO CLOSER THAN 3 INCHES FROM THE FINISHED PIT WALL ON ALL SIDES.

GENERAL LAYOUT

BLUE GIANT
CB-718899-1-02
SHEET 2 OF 4

NOTES:

1. MIN. CONCRETE STRENGTH 3000 P.S.I
2. NOT APPROVED FOR CONSTRUCTION
3. MIN. CURB ANGLE 3" X 3" X 1/4"(76mmX76mmX6mm) EMBEDDED INTO CONCRETE REQUIRED

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|------------|---|
| 1 | 2 | 1000007-01 | WELDMENT CURB ANGLE FRONT SIDE |
| 2 | 1 | 1000004-02 | SIDE CURB ANGLE WELDMENT LEFT & LONG |
| 3 | 1 | 1000005-02 | SIDE CURB ANGLE WELDMENT RIGHT & LONG |
| 4 | 1 | 1000000-02 | CURB ANGLE WELDMENT FRONT AIR WIDE DOCK |
| 5 | 1 | 1000004-02 | CURB ANGLE WELDMENT REAR W WIDE DOCKS |

BLUE GIANT
CURB ANGLES - 6ft X 8ft - 8PC, 20in DP.
CA-68-8 -
SHEET 1 OF 2

DOCK SUMMARY:
MU009-25-AM
-2 UNIT(S)
-MECHANICAL
-3500
-18 INCH LIP/FULL WIDTH
-MECHANICAL FALL SAFE
-LEVEL APPROACH

DOCK OPTIONS:
-SIDE BRUSH BOTH SIDES-UP TO 8 FT MODELS
-BATTLESHIP GRAY

EQUIPMENT DETAIL

BLUE GIANT
CB-718899-1-02
SHEET 4 OF 4

PARTS LIST

| QTY | DESCRIPTION |
|-----|--------------|
| 2 | HEAD CURTAIN |
| 4 | SIDE PAD |

HARDWARE LIST

| QTY | DESCRIPTION |
|-----|--------------------------|
| 12 | BRACKET ANGLE |
| 12 | BRACKET FLAT |
| 60 | SCREW WOOD #14, 1-1/2IN |
| 2 | ROPE CLEAT |
| 3 | ROPE SET (15, 17) |
| 1 | INSTALLATION INSTRUCTION |

PRODUCT OPTIONS

- COVER FABRIC 22 OZ. HIGH TEAR VINYL, BLACK
- HEAD CURTAIN 22 OZ. HIGH TEAR VINYL, BLACK
- HEAD CURTAIN VELCRO SPLIT
- GUIDE STRIPE ZAIN
- CURTAIN MOUNTING 2X4
- ROPE SET CURTAIN
- SCOT FOAM
- BACKER ADD HTV, 12IN
- LOGO, BLUE GIANT

Customer: Wayne Dalton of Central Iowa
Prepared By: Saleem Ali
Door Opening: 188in x 120in(2743mm x 3048mm)
Dock Height: 48in(1219mm)
Bumper Proj: 4in(102mm)
Level: 0 %
Wall Offset: 0-Flush Wall
Date: Apr 19, 2024
Quantity: 2
Date Req'd: End User
PO Number: End User

BLUE GIANT
CB-718899-2-01-SEAL
SHEET 1 OF 1



RIESBERG GROUP DESIGN

Grimes, Iowa
riesberggroup@gmail.com
Phone: 515-202-3386

MEMBER



AMERICAN INSTITUTE OF BUILDING DESIGN

Project ID:
24-2404

Drawn by: KMR

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Royal Flooring Warehouse

Royal Flooring - Building 2

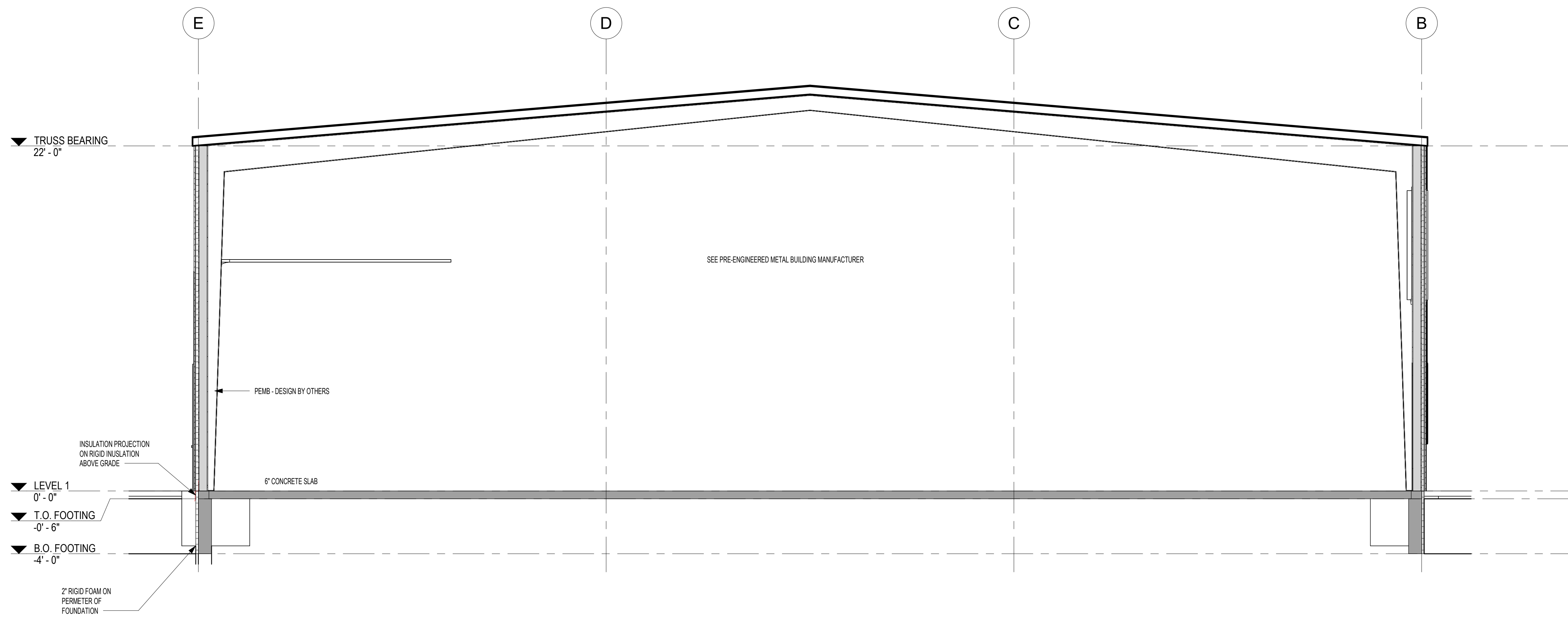
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BUILDING SECTIONS

A.5-0

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



1 Section 1
A.5-0 1/4" = 1'-0"