DICK'S SPORTING GOODS

3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

2024 FOOTWEAR REMODEL

DICK'S SPORTING GOODS

MICHAEL CRISLIP | ARCHITECT

TENANT

DICK'S SPORTING GOODS
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ARCHITECT

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m&a
McHENRY & ASSOCIATES, INC.
CONSULTING ENGINEERS

MEP ENGINEER

McHENRY & ASSOCIATES
25001 Emery Road, Suite 200
Warrensville Heights, OH 44128-5621
CONTACT: MATT DAVIS
PHONE: (216) 292.4696
FAX: (216) 292.5874
E-MAIL: mail@mchenryassociates.com

NATIONAL VENDORS RESPONSIBILITY CHART

SOP CONTACTS:

DSG MANAGER OF ARCHITECTURAL SERVICES: MATTHEW JAROCK - MATTHEW_JAROCK@DCSG.COM (724) 273-5645
DSG DIRECTOR OF PURCHASING: GREGG GRAVES - GREGG.GRAVES@DCSG.COM (724) 273-3442
DSG PROCUREMENT: LHIPURCHASING@DCSG.COM
VENDOR #15: REFER TO STORE SPECIFIC VENDOR MATRIX FOR CONTACT NAME AND NUMBER.

Vendor Matrix

1066 - Greenville, NC — *Fiscal Year 24* — Issued 2/27/2024

Vendor	Scope of Work	Lead Time in Wks	Purchased By	Installed By	Vendor Primary Contact:
FW Remodel RBTS Single Level					
01 - Advanced Fixtures Inc.	Casework/Millwork, Slatwall/Plas. Lam. Panels/MDF Panels, Wall Lozier	10	*	Vendor	DSG - Heather Ingram, 972-784-8800 x 225, dicksprr@advancedfixtures.com
02 - JCI / BA	Security	4	*	Vendor	DSG Support Team / Riley Vanbrocklin, 708.710.5605, bts-dsgsupport@jci.com / riley.vanbrocklin@jci.com
03 - Real Floors Commercial, Inc.	All Flooring Materials / Ceramic Tile / Wall Carpet	6	*	Vendor	Zac Brock, 770-405-3350 x 1511, zbrock@rfcommercial.com
04 - Cook & Boardman Group	Hollow Metal Doors (Frames & Hardware, Cores, Keying), Fitting Room Doors	6	*	G.C.	Lisa Steines, 855-447-8600, ext. 4517, dsg@cookandboardman.com
08 - ImageOne	Graphics, artwork, wall covering, overhead displays	15	*	Vendor	A.J. Rocchio, (215) 826-0880 x1150, arocchio@1ti1nd.com
13 - Level 10	Data / Telephone Wiring, Paging System / Traf-Sys, Speakers	2	*	Vendor	DSG Mailbox, 847-805-9055, dsg@level10.com
15 - Retail Fixture Solutions, Inc	Backroom Shelving (including Conveyor System to Mezzanine when required), Dock Levelers / Dock Seals	10	*	Vendor	Kevin Hoffman, 972-923-0001 x 103, estimating@retailfixturesolutions.com
18 - Rexel Capitol Light	Switchgear, Lighting Fixtures	6	*	G.C.	Don Barr, 614-771-7366, don.barr@capitollight.com
19 - JCI / Sensormatic	CCTV, EAS	8	*	Vendor	Quotes: Matthew.Meade@jci.com (917-806-5838). Scheduling: Charles.Roberson@jci.com (561-341-7699)

* When project is BTS, scope is purchased by Developer through GC; when RBTS, scope is purchased through DSG
Please note: Lead Time is prototypical and may vary under current market conditions. Verify with vendors when project is awarded.
The information contained herein supercedes any information that may have been issued prior to this date and is subject to change.

Vendor Matrix with Contact Info 2018 — *Dick's Sporting Goods - Confidential* — *2/27/2024 12:51:26 PM, Page 1 of 1*

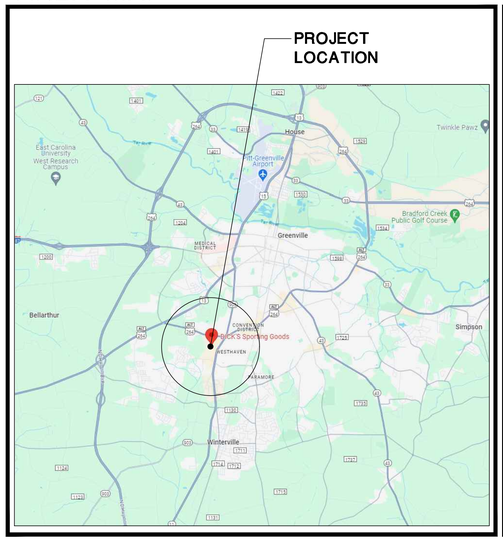
SET BASED ON F-1 PLAN DATED ON 03/19/2024

All work, materials, and systems shown in these plans and specifications, including all referenced national accounts, is the sole responsibility of the General Contractor to purchase, schedule, and install complete as shown and referenced. The Tenant (Dick's Sporting Goods) has no scope of work and/or responsibility shown in these plans and/or specifications.

REMODEL SCOPE OF WORK

PROPOSED ALTERATIONS OF 6,742 S.F. OF THE EXISTING SINGLE LEVEL RETAIL BUILDING. THE OVERALL FOOTWEAR SALES FLOOR IS BEING BEING DECREASED FOR NEW STOCK AREA, ADJUSTED BETWEEN NEW SALES WALLS AND EXISTING WALLS PLUS A LARGER BIKES AREA; NEW FOOTWEAR FLOOR FINISHES, ALL EXISTING LIGHTS TO REMAIN EXCEPT WHERE NOTED.

AREA MAP

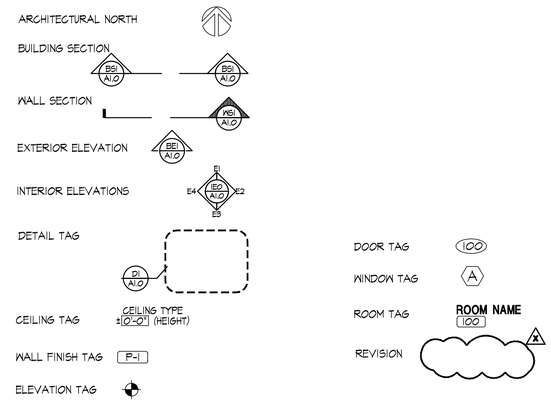


SITE PLAN

ABBREVIATIONS

A.F.F.	Above Finish Floor	EXP.	Expansion	N.I.C.	Not In Contract
A.C.T.	Acoustical Ceiling Tile	E.J.	Expansion Joint	N.T.S.	Not To Scale
ADJ.	Adjacent	E.I.F.S.	Exterior Insulation & Finish System	O.C.	On Center
A.C.	Air Conditioning		Fiberglass Reinforced Polyester	OPP.	Opposite
ALTN.	Alternate	F.R.P.	Fire Rated Treated	O.H.	Overhead
ALUM.	Aluminum		Finish Floor	PR.	Pair
APPD.	Approved	F.R.T.	Fire Extinguisher	PLAS. LAM.	Plastic Laminate
APPROX.	Approximate		Finished Opening	PLYWD.	Plywood
ARCH.	Architectural	F.F.	Foot	P.V.C.	Polyvinyl Chloride
ASPH.	Asphalt	F.E.	Footing	PREFAB.	Prefabricated
AUTO.	Automatic	F.O.	Gauge	P.T.	Pressure Treated
AVG.	Average	FT.	Gen. Contractor	REINF.	Reinforcement
BLK.	Block	FTG.	Gypsum	RM.	Room
BD.	Board	GA.	Heating, Ventilation & Air Conditioning	S.A.T.	Suspended Acoustical Tile
BUR.	Built-Up Roof	G.C.	Hollow Metal	SCHED.	Schedule
C.B.	Catch Basin	GYP.	Horizontal	SIM.	Similar
C.O.	Cleanout	H.V.A.C.	Hot Water	SQ.	Square
CLO.	Closet		Hour	S.F.	Square Foot
C.W.	Cold Water		Inch	S.S.	Stainless Steel
COL.	Column		Insulation or Insulated	STL.	Steel
CONC.	Concrete	H.M.	Interior	STOR.	Storage
C.M.U.	Concrete Masonry Unit	HORIZ.	Janitor's Closet	STR.	Structural
CONT.	Continuous	H.W.	Joint	TEL.	Telephone
CORR.	Corridor	HR.	Lavatory	T&G	Tongue & Groove
CRS.	Courses	IN.	Medium Density Fiberboard	T.O.	Top Of
DIA.	Diameter	INSUL.	Manhole	T.G.	Top Of Grade
D.S.G.	Dick's Sporting Goods	INT.	Manufacturer	T.O.S.	Top Of Steel
DR.	Door	JAN.	Masonry Opening	TYP.	Typical
D.S.	Downspout	J.T.	Maximum	UNFIN.	Unfinished
DWG.	Drawing	LAV.	Mechanical	U.N.O.	Unless Noted Otherwise
D.F.	Drinking Fountain	M.D.F.	Minimum	V.B.	Vapor Barrier
EA.	Each	M.H.	Miscellaneous	VERT.	Vertical
E.W.	Each Way	MFGR.	Metal	VEST.	Vestibule
ELEC.	Electrical	M.O.	Not In Contract	V.C.T.	Vinyl Composition Tile
EL.	Elevation	MAX.	Not To Scale	W.H.	Water Heater
ELEV.	Elevation	MECH.	On Center	W.W.F.	Welded Wire Fabric
EQUIP.	Equipment	MIN.	Opposite	W/	With
E.F.	Exhaust Fan	MISC.	Overhead	W/O	Without
EXIST.	Existing	MTL.	Pair	WD.	Wood

GRAPHIC SYMBOLS



DRAWING INDEX

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	FP1.0	FIRE PREVENTION PLAN

GENERAL PROJECT REQUIREMENTS

1. Salvage all removed lighting fixtures, coordinate with DSG Project Manager for storage.
2. New/relocated hi-bays and track height to match existing height of like fixtures.
3. All lighting controlled by Energy Management System per prototypical circuiting.
4. Use linear fluorescents in Stockrooms. Match prototype lighting type, arrangement (including EM fixtures) and controls/occupancy sensors.
5. Paint ceiling color to match existing ceiling color.
6. Paint columns on FW deck to match existing columns in store.
7. All new storage racking to be 10ft high unless noted otherwise.
8. ~~Nike wall fixtures provided by Vendor #27 and installed by Vendor #1.~~
9. GC shall provide all required fire protection and or FA modifications. GC's vendor will also need to provide any required drawings, plans, calculations, etc in order to obtain permit for these scopes. Modify fire protection system as required for new FSPA layout, including adjacent affected departments. FP system shall be designed per the latest edition of NFPA13, FM, and all local and state fire codes and comply with the DSG specifications section 15900.
10. Impairments to the fire protection and/or fire alarm systems must be restored to service, or a fire watch must be maintained by the GC.
11. GC is responsible for all flooring Demolition including but not limited to all materials and mastic removal. GC will be responsible for all flooring repair work directly related to flooring demolition. Flooring NAV to include minor floor preparation only.
12. Cleaning, patching, sealing of slabs currently with finished floors converting to stock room exposed concrete will be by the GC.
13. The GC is responsible to execute the project and provide all services as they would and are accustomed to doing on a Dick's Sporting Goods project.
14. Merchandise deliveries take precedence over all other deliveries - dock door must be available.
15. GC to provide supervision on site continuously throughout the duration of the project.
16. GC to coordinate, schedule and ensure completion of all National Account Vendor (NAV) Scope of Work. DSG to provide PO's for all NAV's assigned to the project.
17. GC to provide dumpsters for all subcontractors, suppliers and National Account Vendors throughout the duration of project.
18. GC will not allow debris to accumulate in any areas of the store.
19. GC will dispose of all remaining fixtures not being repurposed, reallocated or reused by the store or for the temporary barricade. GC to confirm with DSG PM.
20. GC to provide temporary barricades as shown on barricade plan as provided by DSG PM. GC to maintain the barricades and any dust protection while in use and to DSG and store operation standards. Temporary Barricade shall be installed Sunday Night after store closes; prior to start of work. GC to confirm with DSG PM.
21. GC will layout each proposed barricade footprint and confirm location with store management.
22. GC will not impair emergency egress for trades, customers and store associates.
23. GC to provide access to the receiving area, warehouse and non-affected areas at all times.
24. GC to provide temporary dust barriers as required to segregated work areas from store or stock room/warehouse areas. Plastic sheeting/visqueen materials shall be fire retardant and documentation of same kept on site. Refer to temporary barricade sketch.
25. GC to receive, handle and store all Owner Supplied Materials (BOSMA).
26. GC to relocate and install any existing Lozier shown.
27. GC shall acquire permit and all inspections required from AHJ and shall obtain a Final Certificate of Occupancy. Permit cost are a direct reimbursable, excluding mark-up or GC fees.
28. GC is responsible for the purchase and installation of all doors, frames and associated hardware. GC can contact and enter into an agreement with Vendor #4 if desired.
29. Utility services are not to be interrupted during business hours.
30. Electrical circuits within the construction area which also serve devices outside of the work areas cannot be interrupted during business hours.
31. GC will confirm as part of close out, that all lights are functional and on the correct control levels.
32. Any existing cabling or systems damaged by the GC or their subcontractors will be restored by the GC.
33. Task lighting will be provided for the areas requiring same. The entire store will not be lighted in order to light an area for Footwear remodel.
34. GC is responsible to protect existing flooring that remains per construction documents
35. GC will be responsible to ensure finished flooring is not damaged.
36. Final Cleaning will be by GC and all trades involved, including all shelves, fixtures, light fixtures, floor wax by GC.

DEFERRED SUBMITTALS:

FIRE ALARM
SPRINKLER SYSTEM

MICHAEL CRISLIP | ARCHITECT
25001 Emery Road, Suite 400
Cleveland, Ohio 44128
216.223.3200 onyxcreative.com

Design and construction documents as instruments of service are given in confidence and remain the property of Michael Crislip, Architect. The use of this design and these construction documents for purposes other than the specific project named herein is strictly prohibited without expressed written consent of Michael Crislip, Architect.

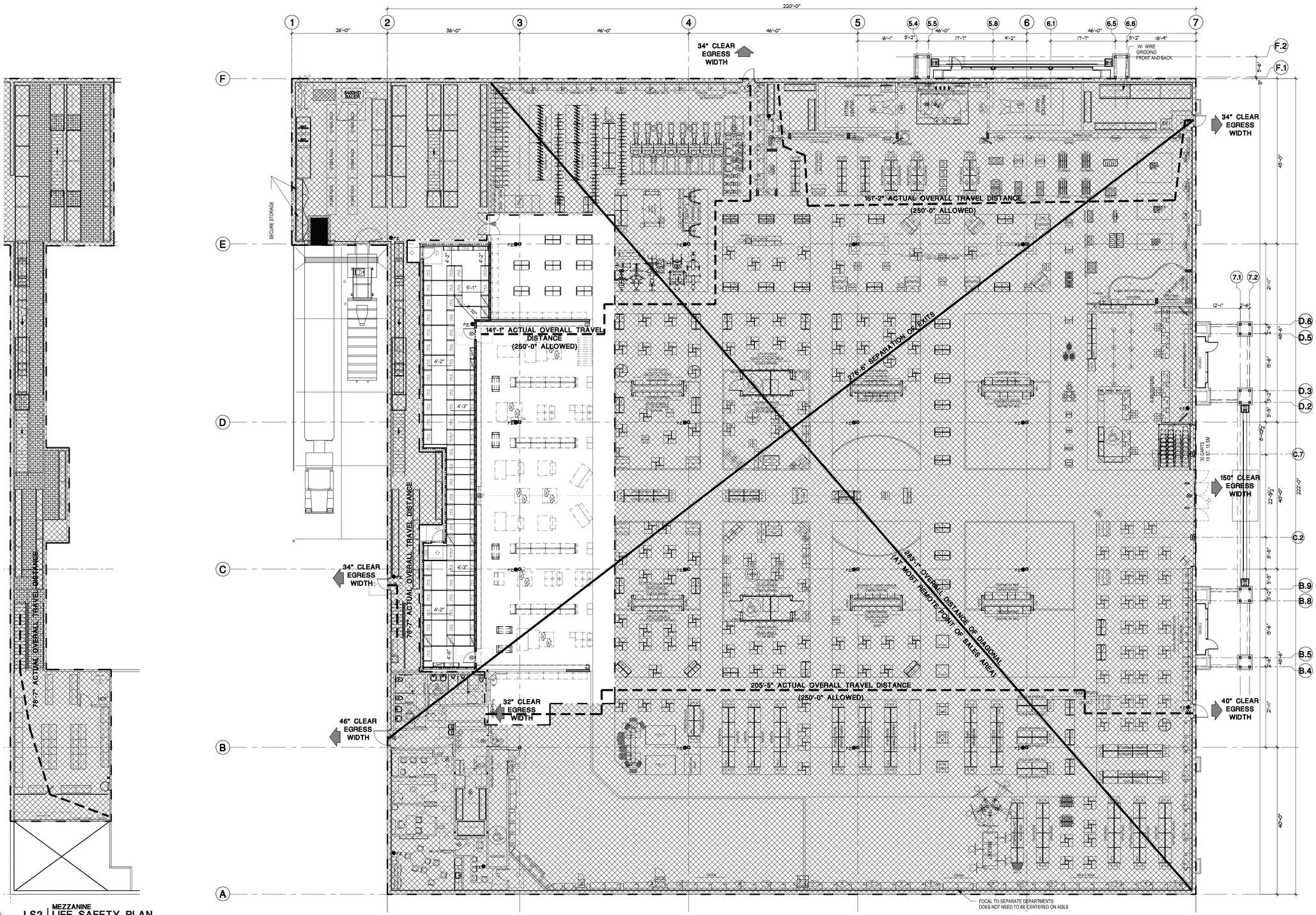
SELF-DEVELOPED STORES
All construction documents, including all plans, specifications and all electronic and interactive national accounts, is the sole responsibility of the General Contractor to purchase, schedule, and install complete as shown and referenced. The Tenant (Dick's Sporting Goods) has no scope of work and/or responsibility shown in these plans and/or specifications.

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

Project No.:	24.0122
Drawn By:	LCEB
Date	Issue
04-19-24	BID / PERMIT

T1.0

COVER SHEET



MEZZANINE
LS2 | LIFE SAFETY PLAN
SCALE 3/32" = 1'-0"

ARCHITECTURAL
LS1 | LIFE SAFETY PLAN
SCALE 3/32" = 1'-0"

PLAN REVIEW DATA

I. Applicable Codes:
- A. 2018 International Building Code
- B. 2018 International Plumbing Code
- C. 2018 International Mechanical Code
- D. 2018 International Fire Code
- E. 2020 National Electric Code

II. Occupancy Group:
- A. Mercantile (M) Section 309
- B. Storage (S-1) Section 311
- C. Business (B) Section 304
- D. Zoning Classification: Site Specific.

Note: Mixed Occupancies for the purpose of later defined Non-Separated Uses Allowing No Rated Seperation of Stock Rooms.

III. Construction Type:
- A. II-B (Table 601)
- B. Fire Resistance Requirements (Table 601)
- C. As Listed:

	Required	Provided
1. Exterior bearing walls	(See Table 602) req't's. below	0 HOUR
2. Exterior non-bearing walls	(See Table 602) req't's. below	0 HOUR
3. Interior bearing walls	0 hour	N/A
4. Combustible materials	allowed	FRT PD. USED
5. Structural frame	0 hour	0 HOUR
6. Floors	0 hour	0 HOUR
7. Roofs	0 hour (see note C. for restrictions)	0 HOUR
8. Shaft enclosures (707.4)	0 hour	N/A (WHERE REQUIRED)
9. Fire Wall (@ adjacent mall)	3 hour See Table 705.4	3 hour (WHERE REQUIRED)
10. Stair Enclosures	1 hour	N/A (WHERE REQUIRED)

Fire Resistance rating req't's for Exterior walls based on fire seperation distance Table 602:
- Less than 5' — 2 Hour
- Greater than 5' less than 10' — 1 Hour
- Greater or eq. to 10' — 0 Hour

Table 704.8: Maximum area of exterior wall openings
Unlimited with separation greater than 30':
- Greater than 25' - 70% — Greater than 10' - 15%
- Greater than 20' - 45% — Greater than 5' - 10%
- Greater than 15' - 25% — Less than 5' - 0%

IV. Fire Suppression System:

A. Fully sprinklered (903.2.6)
B. Manual Fire alarm system not required for Group M occupancies (907.2.7) less than 500 occupants above grade exit discharge or 9' fully sprinklered.
C. 903.3.3 - Covered mall 4 connected buildings shall be equipped throughout with Class I automatic wet standpipe system.
D. 905.4 - 1., 2., 3., 4., & 5. - Class I standpipe hose connections: (WHERE REQUIRED)

V. Building Height and Area:

A. Allowable Height: 5 stories, (Table 503 w/ 504.2 Increase).

VI. Occupant Load (Table 1005.2.2.2)
SECTION 1004 - GENERAL MEANS OF EGRESS
(REFER TO TABLE 1004.2.2.2 FOR MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT.)

EXISTING OCCUPANT LOAD

MERCANTILE = 30 s.f. @ROOS/OCCUPANT	(44,120 s.f.) =	1,471 OCCUPANTS
BUSINESS = 100 s.f. @ROOS/OCCUPANT	(876 s.f.) =	9 OCCUPANTS
MAIN FLOOR STORAGE = 300 s.f. @ROOS/OCCUPANT	(4,092 s.f.) =	14 OCCUPANTS
MEZZANINE STORAGE = 300 s.f. @ROOS/OCCUPANT	(1,056 s.f.) =	4 OCCUPANTS
	50,144 TOTAL s.f.	1,498 OCCUPANTS TOTAL

PROPOSED OCCUPANT LOAD

MERCANTILE = 60 s.f. @ROOS/OCCUPANT	(42,801 s.f.) =	711 OCCUPANTS
BUSINESS = 100 s.f. @ROOS/OCCUPANT	(876 s.f.) =	9 OCCUPANTS
MAIN FLOOR STORAGE = 300 s.f. @ROOS/OCCUPANT	(5,611 s.f.) =	19 OCCUPANTS
MEZZANINE STORAGE = 300 s.f. @ROOS/OCCUPANT	(1,056 s.f.) =	4 OCCUPANTS
	50,144 TOTAL s.f.	743 OCCUPANTS TOTAL

XI. CURRENT PLUMBING FIXTURE ANALYSIS:
**THERE IS NO RESTROOM SCOPE & CURRENT OCCUPANT LOAD IS LOWER THAN ORIGINAL

FIXTURE LEGEND

F.E. ● EXISTING FIRE EXTINGUISHERS TO REMAIN; PROTECT DURING DEMOLITION & CONSTRUCTION; RELOCATE AND ADD NEW AS DIRECTED BY CITY

FIRE EXTINGUISHER SIZE AND PLACEMENT FOR CLASS A HAZARDS.
- 11,250 S.F. MAX. FLOOR AREA FOR EACH FIRE EXTINGUISHER.
- 75' MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER
- 1,500 SQ. FT. PER UNIT OF A
- MINIMUM RATED EXTINGUISHER - 2A-10B:C

FIRE EXTINGUISHER SIZE AND PLACEMENT FOR CLASS B HAZARDS.
- ORDINARY (MODERATE) HAZARD - Size 10B EXTINGUISHER RATING REQUIRES 50'-0" MAX. TRAVEL DISTANCE TO EXTINGUISHER.

  Size 20B EXTINGUISHER RATING REQUIRES 50'-0" MAX. TRAVEL DISTANCE TO EXTINGUISHER.

FIRE EXTINGUISHER SIZE AND PLACEMENT FOR CLASS C HAZARDS.
- REQUIRED WHERE ENERGIZED ELECTRICAL EQUIPMENT CAN BE ENCOUNTERED THAT WOULD REQUIRE A NONCONDUCTING EXTINGUISHING MEDIUM.

FIRE EXTINGUISHER NOTES
INFORMATION BASED ON INTERNATIONAL FIRE CODE REQUIREMENTS AND NFPA 10 FOR AN ORDINARY (MODERATE HAZARD) OCCUPANCY

1. LOCATIONS AND QUANTITIES AS PROPOSED ARE BASED ON NFPA 10. VERIFY & COORDINATE FINAL QUANTITIES, LOCATIONS, AND INSTALLATION WITH LOCAL JURISDICTION.
2. TOTAL FIRE EXTINGUISHERS = RELOCATE EXISTING AS NEEDED ALL FIRE EXTINGUISHERS SHALL HAVE A 6ROOS HEIGHT NOT TO EXCEED 40 LBS. AND ARE TO BE MOUNTED ON MOUNTING BRACKETS SO THAT THE BOTTOM OF UNIT IS 2'1" A.F.F. OR LOWER FOR CANE DETECTION. COORDINATE EXACT HEIGHT WITH LOCAL FIRE DEPARTMENT.
3. PLACE SALES FLOOR F.E's ON REAR SIDE OF COLUMNS AS SHOWN (or as allowed by fixture placement per DS6's F-1 plan. coordinate final location and number of units with AHJ.)

LEGEND
NO WORK IN THIS AREA

MICHAEL CRISLIP | ARCHITECT
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216.223.3200 onyxcreative.com

Design and construction documents as instruments of service are given in confidence and remain the property of Michael Crislip, Architect. The use of this design and these construction documents for purposes other than the specific project named herein is strictly prohibited without expressed written consent of Michael Crislip, Architect.

SELF DEVELOPED STORES
Architect has been employed by the owner as an independent contractor and is the sole responsibility of the General Contractor and his subcontractors. Architect has no control over the means, methods, techniques, sequences or procedures of construction or safety precautions and programs in connection with the work, nor shall the Architect be responsible for the Contractor's failure to carry out the work in accordance with the Contract Documents. The Owner (Dick's Sporting Goods) has no duties or responsibility to the Contractor or any of the Contractor's agents or employees or any other persons performing any of the work.

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STORE #1066

Project No:	24.0122
Drawn By:	LCEB
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04-19-24	BID / PERMIT

LS1.0

ARCHITECTURAL LIFE SAFETY PLANS

CLEAR FLOOR SPACE NOTES:
1. DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES (304.4)
2. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR SPACE MUST ADJOIN AN ACCESSIBLE ROUTE OR ANOTHER CLEAR FLOOR SPACE (305.6)
3. A CLEAR FLOOR SPACE IS REQUIRED AT ANY DEVICE WITH AN OPERABLE PART (309.2)

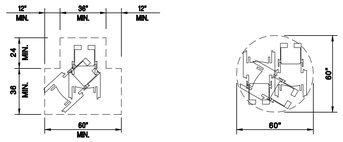


Fig. 304.3.2 T-SHAPED SPACE

Ref. 304.3.1 CIRCULAR SPACE

TURNING SPACE
Ref. Section 304

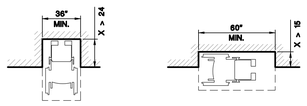
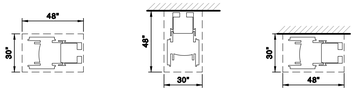


Fig. 305.7.1

Fig. 305.7.2

CLEAR FLOOR SPACE IN ALCOVES



CLEAR FLOOR SPACE
Fig. 305.3

FORWARD APPROACH
Fig. 305.5 (a)

PARALLEL APPROACH
Fig. 305.5 (b)

MINIMUM CLEAR FLOOR SPACE
Ref. Sections 304 & 305

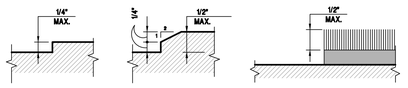


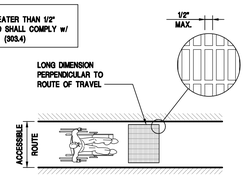
Fig. 303.2

Fig. 303.3

CHANGES IN LEVEL

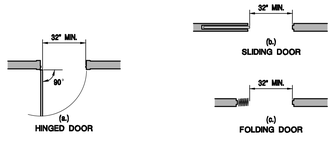
Fig. 302.2
CARPET PILE THICKNESS

NOTE:
CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE RAMPED, AND SHALL COMPLY w/ SECTIONS 405 OR 406. (303.4)



OPENINGS IN FLOOR OR GROUND SURFACE
Ref. Section 302.3

FLOOR & GROUND SURFACES
Ref. Sections 302 & 303



CLEAR WIDTH OF DOORWAYS
Fig. 404.2.3

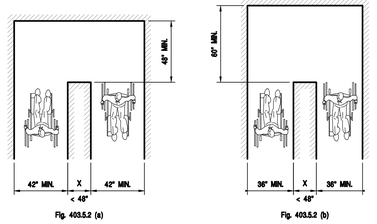
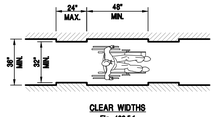


Fig. 403.5.2 (a)

Fig. 403.5.2 (b)

CLEAR WIDTHS AT 180 DEGREE TURNS

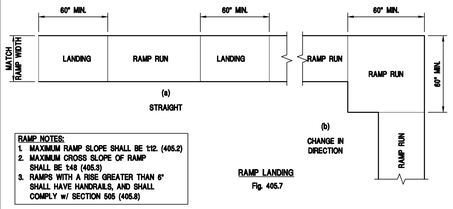


CLEAR WIDTHS
Fig. 403.5.1

ACCESSIBLE ROUTE NOTE:
THE SLOPE OF A WALKING SURFACE ALONG AN ACCESSIBLE ROUTE SHALL NOT BE STEEPER THAN 1:20 AND CROSS SLOPES SHALL NOT EXCEED 1:48 (402)

ACCESSIBLE ROUTE
Ref. Section 402

J:\08 Projects\Master\ADA STANDARDS\DETAILS\TEMPLATE 2010\Drawing.dgn

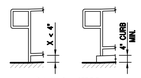


(a)
STRAIGHT

(b)
CHANGE IN DIRECTION

RAMP NOTES:
1. MAXIMUM RAMP SLOPE SHALL BE 1:12. (405.2)
2. MAXIMUM CROSS SLOPE OF RAMP SHALL BE 1:48 (405.3)
3. RAMPS WITH A RISE GREATER THAN 6" SHALL HAVE HANDRAILS, AND SHALL COMPLY w/ SECTION 505 (405.8)

RAMP LANDING
Fig. 405.7



Ref. Section 405.9.2
BARRIER

CURB

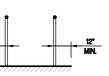
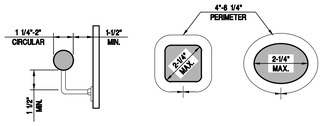


Fig. 405.9.1
EXTENDED FLOOR OR GROUND SURFACE

EDGE PROTECTION
Ref. Section 405.9

RAMPS
Ref. Section 405



HANDRAIL CLEARANCES
Fig. 505.5 & 505.6

NON-CIRCULAR HANDRAIL CROSS SECTIONS
Fig. 505.7.2

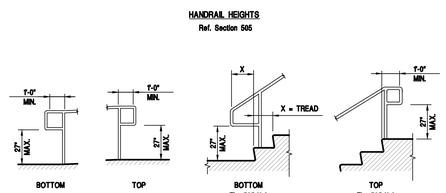
HANDRAIL SIZES & CLEARANCES

STAIRS
Fig. 505.4 (a)

RAMPS
Fig. 505.4 (b)

WALKING SURFACES
Fig. 505.4 (c)

HANDRAIL HEIGHTS
Ref. Section 505



BOTTOM

TOP

BOTTOM
Fig. 505.10.3

TOP
Fig. 505.10.2

HANDRAIL EXTENSIONS @ RAMP
Fig. 505.10.1

HANDRAIL EXTENSIONS @ STAIR

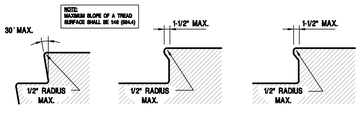
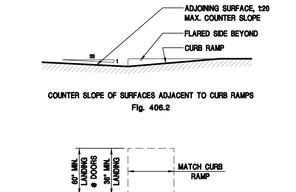


Fig. 504.5 (b)
ANGLED RISER

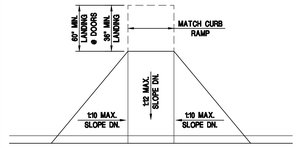
Fig. 504.5 (c)
CURVED NOSING

Fig. 504.5 (d)
BEVELED NOSING

STAIRWAYS & HANDRAILS
Ref. Sections 504 & 505

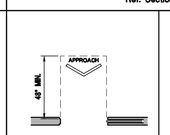


COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS
Fig. 406.2

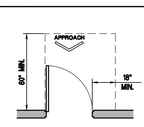


PLAN
Ref. Figures 406.3 & 406.4

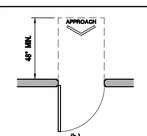
CURB RAMPS
Ref. Section 406



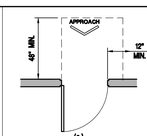
(a.)
FRONT APPROACH



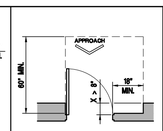
(a.)
FRONT APPROACH, PULL SIDE



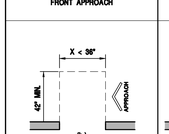
(b.)
FRONT APPROACH, PUSH SIDE



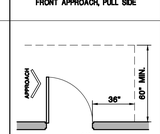
(c.)
FRONT APPROACH, PUSH SIDE; DOOR w/ BOTH CLOSER & LATCH



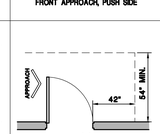
(a.)
PULL SIDE



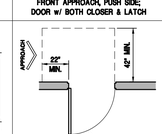
(b.)
SIDE APPROACH



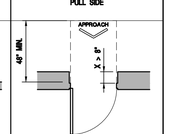
(d.)
HINGE APPROACH, PULL SIDE



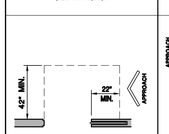
(e.)
HINGE APPROACH, PULL SIDE



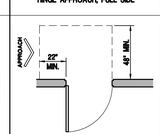
(f.)
HINGE APPROACH, PUSH SIDE



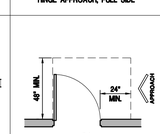
(b.)
PUSH SIDE



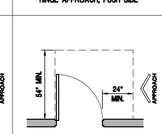
(c.)
POCKET OR HINGE APPROACH



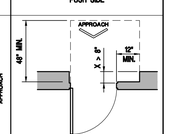
(g.)
HINGE APPROACH, PUSH SIDE; DOOR w/ BOTH CLOSER & LATCH



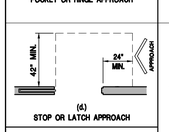
(h.)
LATCH APPROACH, PULL SIDE



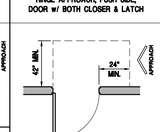
(i.)
LATCH APPROACH, PULL SIDE; DOOR w/ CLOSER



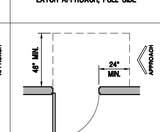
(c.)
PUSH SIDE; DOOR w/ BOTH CLOSER & LATCH



(d.)
STOP OR LATCH APPROACH



(j.)
LATCH APPROACH, PUSH SIDE



(k.)
LATCH APPROACH, PUSH SIDE; DOOR w/ CLOSER

MANUAL SWINGING DOORS & GATES
Fig. 404.2.4.1

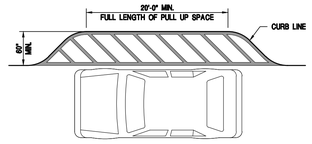
RECESSED DOORS & GATES
Fig. 404.2.3

DOORWAYS w/o DOORS, SLIDING DOORS, GATES & FOLDING DOORS
Fig. 404.2.4.2

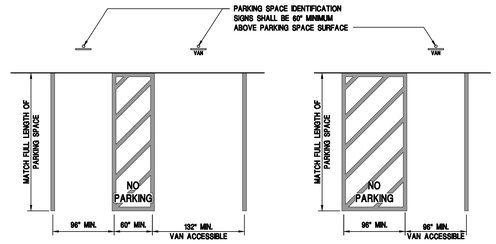
MANEUVERING CLEARANCE NOTES:
1. DOORS, DOORWAYS AND GATES PROVIDING USER PASSAGE SHALL COMPLY (206.5)
2. ADJUST DOOR CLOSERS SO THAT THE DOOR TAKES AT LEAST 5 SECONDS TO MOVE FROM 90 DEGREE OPEN POSITION TO 12 DEGREES FROM LATCH (404.2.8)
3. FIRE DOORS SHALL HAVE MINIMUM OPENING FORCE ALLOWABLE BY THE BUILDING AND FIRE CODES. OTHER INTERIOR DOORS, 5 POUNDS MAXIMUM. (404.2.9)
4. MANEUVERING CLEARANCES ARE REQUIRED AT AUTOMATIC DOORS UNLESS DOOR OPERATION HAS STANDBY POWER (404.3.2)

MANEUVERING CLEARANCES
Ref. Section 404.2.3

GENERAL SITE NOTES:
1. ACCESSIBLE PARKING SPACES AND ACCESS AISLE SHALL BE LEVEL, MAXIMUM PERMITTED SLOPE IS 1:48 (502.2 & 502.3)
2. ACCESSIBLE PARKING SPACES MUST BE IDENTIFIED WITH A SIGN. SIGNS IDENTIFYING VAN ACCESSIBLE SPACES SHALL CONTAIN THE DESIGNATION "VAN ACCESSIBLE". SIGNS SHALL BE MINIMUM 60" FROM THE PARKING SURFACE TO THE BOTTOM OF THE SIGN. (502.2.2 &502.2.3)



PASSENGER LOADING ZONE ACCESS AISLE
Fig. 503.3

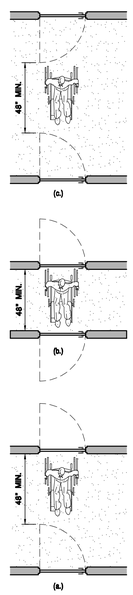


TYPICAL VEHICLE PARKING SPACES & ACCESS AISLE
Ref. Figures 502.2 & 502.3

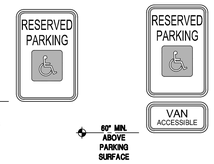
OPTIONAL VAN ACCESSIBLE PARKING SPACE & ACCESS AISLE
Ref. Section 502.2 Exception

VEHICAL PARKING SPACES & ACCESS AISLE
Ref. Section 502

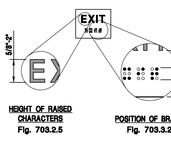
PARKING & PASSENGER LOADING ZONES
Ref. Sections 502 & 503



DOORS & GATES IN SERIES
Fig. 404.2.6

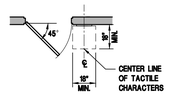


IDENTIFICATION
Ref. Section 502.6

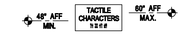


HEIGHT OF RAISED CHARACTERS
Fig. 703.2.5

POSITION OF BRAILLE
Fig. 703.3.2



LOCATION OF TACTILE SIGNS AT DOORS
Fig. 703.4.2



TACTILE CHARACTER HEIGHT ABOVE FLOOR
Fig. 703.4.1

TACTILE SIGN NOTES:
1. RAISED CHARACTERS SHALL COMPLY WITH 703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH 703.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH 703.4. (703.2)
2. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH 703.3 AND 703.4. (703.3)
3. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. (703.3.2)
4. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES (150 MM) MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. (703.6.1)
5. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. (703.6.2)

TACTILE SIGNS
Ref. Section 703

ACCESSIBLE GUIDELINES

THIS DRAWING IS A REPRESENTATIVE SUMMARY OF THE REQUIREMENTS OF THE 2010 ADA STANDARDS THAT MAY BE APPLICABLE TO THE PROJECT. WHERE SPECIFIC DIMENSIONAL INFORMATION AND CLEARANCES ARE NOT NOTED ON THE DRAWINGS, CONSTRUCT TO THE CLEARANCES AND TOLERANCES SHOWN ON THIS SHEET. WHERE DRAWINGS SPECIFICALLY INDICATE DIFFERENT OR CONFLICTING INFORMATION TO THE STANDARDS DEPICTED ON THIS SHEET, CONSTRUCT USING THE MORE STRINGENT REQUIREMENT OR CONTACT THE ARCHITECT FOR RESOLUTION

Fig. 403.5.2 (a)

Fig. 403.5.2 (b)

CLEAR WIDTHS AT 180 DEGREE TURNS

NOTES:
1. PROTRUDING OBJECTS SHALL NOT REDUCE THE REQUIRED WIDTH OF AN ACCESSIBLE ROUTE (307.5)
2. PROTRUDING OBJECTS ON A CIRCULATION PATH SHALL COMPLY w/ SECTION 307 (204.1)

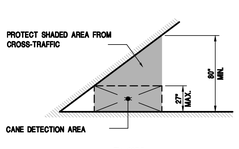


Fig. 307.5
VERTICAL CLEARANCES

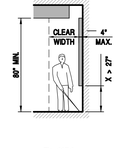


Fig. 307.2
LIMITS OF PROTRUDING OBJECTS

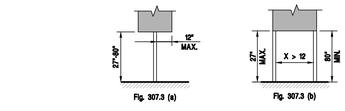


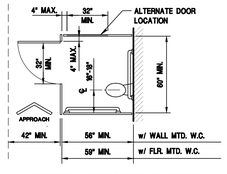
Fig. 307.3 (a)

Fig. 307.3 (b)

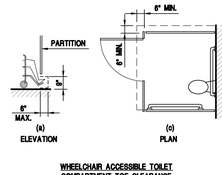
POST-MOUNTED PROTRUDING OBJECTS

PROTRUDING OBJECTS
Ref. Section 307

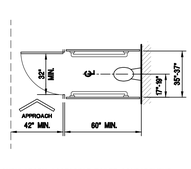
Fig. 604.3.1
CLEARANCE AT WATER CLOSETS



WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT
Ref. Section 604

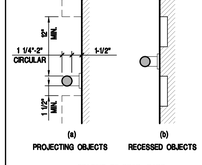


WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE
Fig. 604.8.2



AMBULATORY ACCESSIBLE TOILET COMPARTMENT
Fig. 604.8.2

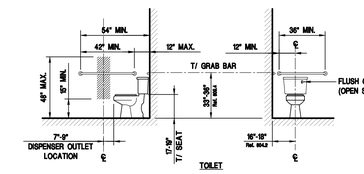
TOILET ROOM NOTES:
1. A TURNING SPACE PER SECTION 304 IS REQUIRED WITHIN A TOILET ROOM (603.2.1)
2. ONLY THE FOLLOWING OBJECTS ARE PERMITTED TO OVERLAP THE REQUIRED CLEARANCE: GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPOSAL UNIT, COAT HOOKS AND SHELVES (604.3.2)
3. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET (604.6)
4. URINALS SHALL HAVE A CLEAR FLOOR SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH AND CENTERED ON UNIT (605.3)
5. LAVATORIES SHALL HAVE A CLEAR FLOOR SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH AND CENTERED ON UNIT (606.2)
6. KNEE & TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED (602.2)
7. EXPOSED WATER SUPPLY AND DRAIN PIPES SHALL BE INSULATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES (606.5)
8. INSTALL GRAB BARS TO WITHSTAND NOT LESS THAN A 250 POUND FORCE APPLIED AT ANY POINT ON THE BAR (609.8)



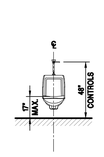
(a)
PROJECTING OBJECTS

(b)
RECESSED OBJECTS

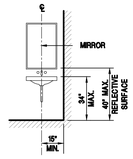
SPACING OF GRAB BARS
Fig. 609.3



TOILET
Ref. Section 604



URINAL
Ref. Section 605



LAVATORY
Ref. Sections 606 & 603.3

TOILET ROOM CLEARANCES & MOUNTING HEIGHTS
Ref. Chapter 6

DRINKING FOUNTAIN NOTES:
1. KNEE & TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED (602.2)
2. WHERE A DRINKING FOUNTAIN IS REQUIRED, THEY SHALL BE PROVIDED; ONE HIGH & ONE LOW (211.2)
3. UNITS SHALL HAVE A CLEAR FLOOR SPACE COMPLYING WITH 305 POSITIONED FOR FORWARD APPROACH AND CENTERED ON UNIT (602.2)

DRINKING FOUNTAIN OUTLET HEIGHTS

DRINKING FOUNTAIN SPOUT LOCATION
Fig. 602.5

DRINKING FOUNTAIN
Ref. Section 602

Fig. 308.2.1
UNOBSTRUCTED FORWARD REACH

Fig. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

Fig. 308.3.1
UNOBSTRUCTED SIDE REACH

Fig. 308.3.2
OBSTRUCTED HIGH SIDE REACH

REACH RANGES
Ref. Section 308

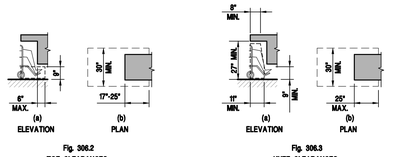


Fig. 306.2
TOE CLEARANCES

Fig. 306.3
KNEE CLEARANCES

KNEE & TOE CLEARANCES
Ref. Section 306

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S E L F - D E V E L O P E D S T O R E S
Architectural plans and specifications, and the ideas and designs incorporated therein, as an instrument of service, is the sole responsibility of the General Contractor who first conceived the project and retained the services of the Architect. The Architect (Dick's Sporting Goods) has no stake or work and/or responsibility for any of the plans, specifications and/or work of any other Architect.

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

Project No:	24.0122
Drawn By:	LCEB
Date	Issue
04-19-24	BID / PERMIT

ADA.0

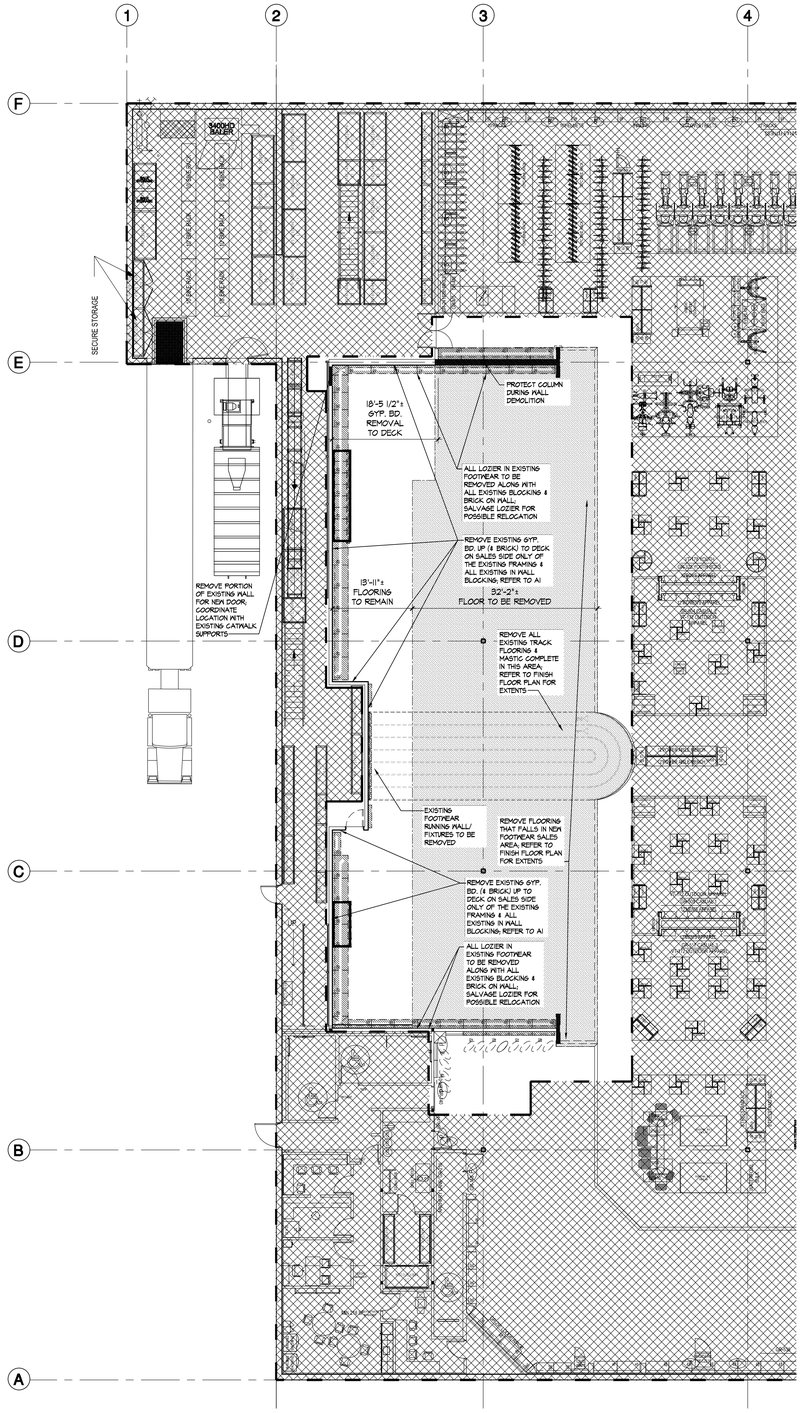
2010 ADA STANDARDS

DEMOLITION GENERAL NOTES

1. DEMOLITION PLAN SHOWS APPROXIMATE LAYOUT OF EXISTING BUILDING AND IS NOT INTENDED TO REPRESENT "AS-BUILT" CONDITIONS. VISIT SITE AND OTHERWISE BECOME FAMILIAR WITH ACTUAL CONDITIONS WHEN BIDDING THE WORK.
2. WALLS, PARTITIONS, DOORS, FRAMES, AND OTHER ITEMS TO BE REMOVED ARE SHOWN DASHED. SERVICES WITHIN WALLS AND PARTITIONS SHALL ALSO BE REMOVED. EDGES OF WALLS SHOWN TO REMAIN SHALL BE SAWCUT OR CLEANLY TOOTHED TO ACCEPT NEW CONSTRUCTION. REPAIR AND PATCH EXISTING WALLS SHOWN TO REMAIN WHERE INTERSECTING WALLS, DOORS, FRAMES, ETC. ARE SHOWN TO BE REMOVED AND WHERE EXISTING CONSTRUCTION WILL NOW BE EXPOSED IN THE NEW CONSTRUCTION.
3. EXISTING CONSTRUCTION SHOWN TO REMAIN, INCLUDING BUT NOT LIMITED TO WALLS, PARTITIONS, DOORS, FRAMES, ETC. SHALL BE PROTECTED DURING DEMOLITION. DAMAGE TO EXISTING CONSTRUCTION SHOWN TO REMAIN SHALL BE RESTORED TO MATCH PRE-DAMAGED CONDITION.
4. ALL NECESSARY SHORING, BRACING, AND SUPPORT TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF STRUCTURE OR ELEMENT TO BE DEMOLISHED, AND ADJACENT STRUCTURE OR ELEMENT SHOWN TO REMAIN SHALL BE DESIGNED BY CONTRACTOR'S PROFESSIONAL ENGINEER LICENSED IN THE APPLICABLE JURISDICTION.
5. WHERE FINISHES ARE SHOWN TO BE REMOVED FROM EXISTING CONSTRUCTION, REPAIR AND PATCH REMAINING SUBSTRATE AND PREPARE FOR NEW FINISH AS PROVIDED IN SCHEDULES OR NOTED ON DRAWINGS.
6. ALL INFILL OR REPLACEMENT WORK SHALL MATCH EXISTING CONDITIONS IN MATERIALS, CONSTRUCTION AND FINISH, UNLESS SPECIFICALLY NOTED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.
7. PROTECT FROM DAMAGE ALL EXISTING FINISH WORK TO REMAIN IN PLACE AND WHICH BECOMES EXPOSED DURING DEMOLITION OPERATIONS.
8. DEMOLITION CONTRACTOR IS REQUIRED TO MAKE CLEAN, KNIFE CUTS AT LOCATIONS WHERE DRYWALL SURFACES ARE TO BE DISTURBED.
9. FURNISH, INSTALL AND SUBSEQUENTLY REMOVE ALL TEMPORARY DUST PROTECTION. DUST PROTECTION MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO HEAVY-DUTY PLASTIC SHEETING.
10. SUBCONTRACTORS SHALL PERFORM A DETAILED SITE SURVEY AND WILL ADDRESS ALL DISCREPANCIES AND CONFLICTS AT NO ADDITIONAL COSTS.
11. ALL AREAS AFFECTED BY DEMOLITION CONTRACTOR'S WORK SHOULD BE CLEANED OF ALL DEBRIS AND MISC. MATERIALS AT THE END OF EACH WORK DAY.
12. PROTECT EXISTING ITEMS THRESHOLDS, EXISTING FLOORING, FINISHS, ETC FROM GENERAL CONSTRUCTION TRAFFIC (LIFTS, ETC). LIFTS TO BE RUN ON PROTECTION BOARD DURING CONSTRUCTION. ALL DAMAGE TO BE CORRECTED BY GC.
13. ~~ALL EXISTING FLOOR BOXES ARE TO HAVE UNDER GROUND WIRING AND COVER PLATE REMOVED AND FILLED WITH GROUT. FLOOR FINISH SHOULD BE SMOOTH AND PREPARED FOR NEW FLOOR FINISH.~~
14. ~~REFER TO DETAIL D5/AS.0 FOR TRENCH/SLAB INFILL DETAIL~~

WALL LEGEND

	EXISTING WALL TO BE REMOVED
	EXISTING FLOORING TO BE REMOVED
	EXISTING WALL TO REMAIN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SECURE STORAGE
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DEMOLITION GENERAL NOTES

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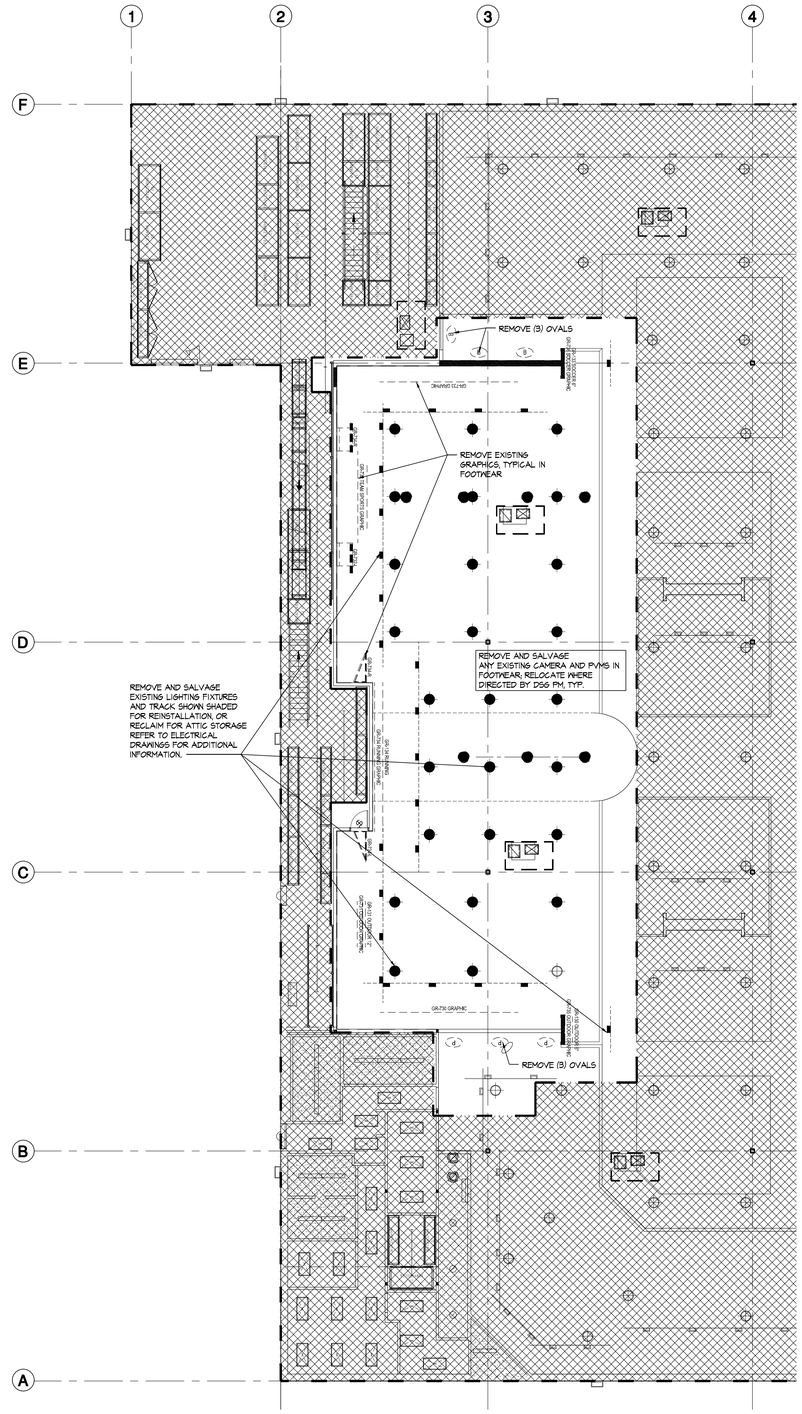
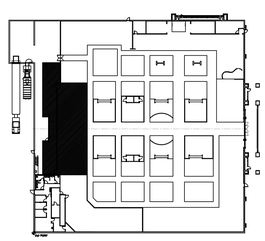
14. ALL LIGHTS BEING BEING REMOVED ARE TO BE SALVAGED FOR RELOCATION OR REGLAIMED FOR ATTIC STOCK.

R-RELOCATION
S-SALVAGED FOR ATTIC STORAGE

WALL LEGEND

	EXISTING WALL TO BE REMOVED
	EXISTING WALL TO REMAIN





KEY PLAN
NO SCALE

D2 DEMOLITION CEILING PLAN
SCALE 3/32" = 1'-0"

LEGEND

NO WORK IN THIS AREA

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DICK'S SPORTING GOODS
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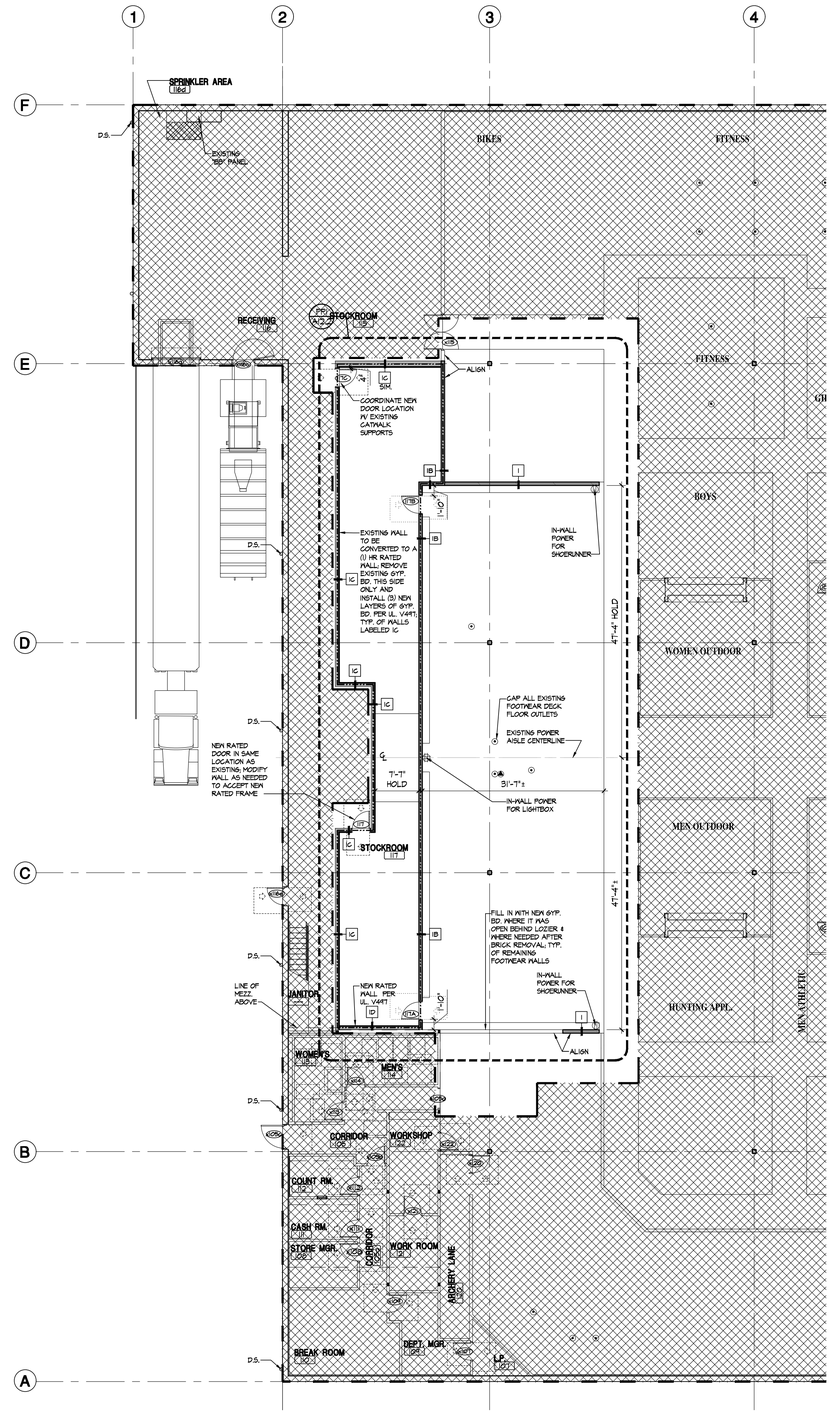
Drawn By:	LCEB
Date	Issue
04-19-24	BID / PERMIT

D2.0

DEMOLITION CEILING PLAN



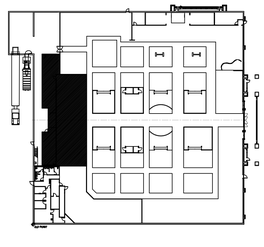
WALL LEGEND

ALSO REFER TO ENLARGED FLOOR PLANS & INTERIOR ELEVATION SHEETS FOR WALL SIZES & SECTION TAGS

	EXISTING WALLS TO REMAIN
	NEW GYPSUM BOARD & METAL STUD WALL CONSTRUCTION (REFER TO ENLARGED FLOOR PLANS FOR NOMINAL WALL THICKNESS)
	NEW (1) HR RATED (UL #U497) - GYPSUM BOARD & METAL STUD WALL CONSTRUCTION (REFER TO ENLARGED FLOOR PLANS FOR NOMINAL WALL THICKNESS)
	EXISTING WALLS (1G) TO BE CONVERTED TO A (1) HR RATED (UL #V497) - NEW (3) LAYERS OF GYPSUM BOARD OVER EXISTING METAL STUD WALL CONSTRUCTION (REFER TO ENLARGED FLOOR PLANS FOR NOMINAL WALL THICKNESS). REQUIRES DEMOLITION OF SOME EXISTING GYP. BD.). NEW WALL (1D) TO BE A NEW 6" STUD W/ (3) LAYERS OF GYPSUM BOARD - (1) HR RATED (UL #V497)
X	REFER TO SHEET A5.0 FOR WALL TYPE INFORMATION AS NOTED

GENERAL NOTES

1. FOR WOOD BLOCKING REQUIREMENTS, G.C. SHALL REFER TO SPECIFICATIONS
2. DIMENSIONS OF WALLS ARE FROM FINISHED FACE TO FINISHED FACE UNLESS NOTED OTHERWISE.
3. PROVIDE SOUND BATT INSULATION IN ALL WALLS AND CEILINGS OF EACH OF THE FOLLOWING ROOMS - MENS, WOMENS, LUNCH ROOM, STORE MANAGERS OFFICE, CASH ROOM, COUNT ROOM, DEPARTMENT MANAGER'S OFFICE, JANITOR'S ROOM, AND LOSS PREVENTION.
4. ALL PLUMBING ACCESS PANEL LOCATIONS REQUIRED SHALL BE COORDINATED WITH PLUMBING DRAWINGS, MANUFACTURER'S SHOP DRAWINGS, AND DSG PROJECT MANAGER.
5. G.C. SHALL INSTALL FIRE BLOCKING AND DRAFT STOPPING IN COMBUSTIBLE CONCEALED WALL LOCATIONS EVERY 10'-0" o.c. BOTH HORIZONTALLY & VERTICALLY AS REQUIRED BY CODE.
6. ALSO REFER TO SHEETS A12.0 THRU A12.4 FOR ADDITIONAL REFERENCES TO WALL SECTIONS



KEY PLAN
NO SCALE

A1 ARCHITECTURAL FLOOR PLAN
SCALE 3/32" = 1'-0"

LEGEND

NO WORK IN THIS AREA

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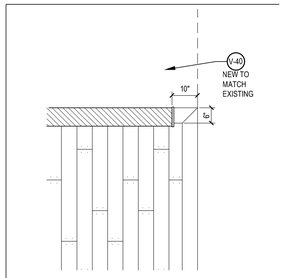
STORE #1066

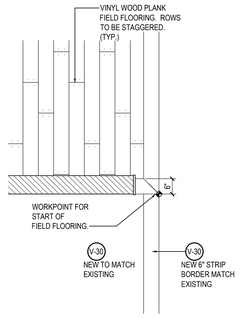
Project No.:	24.0122
Drawn By:	LOEB
Date	Issue
04-19-24	BID / PERMIT

A1.0

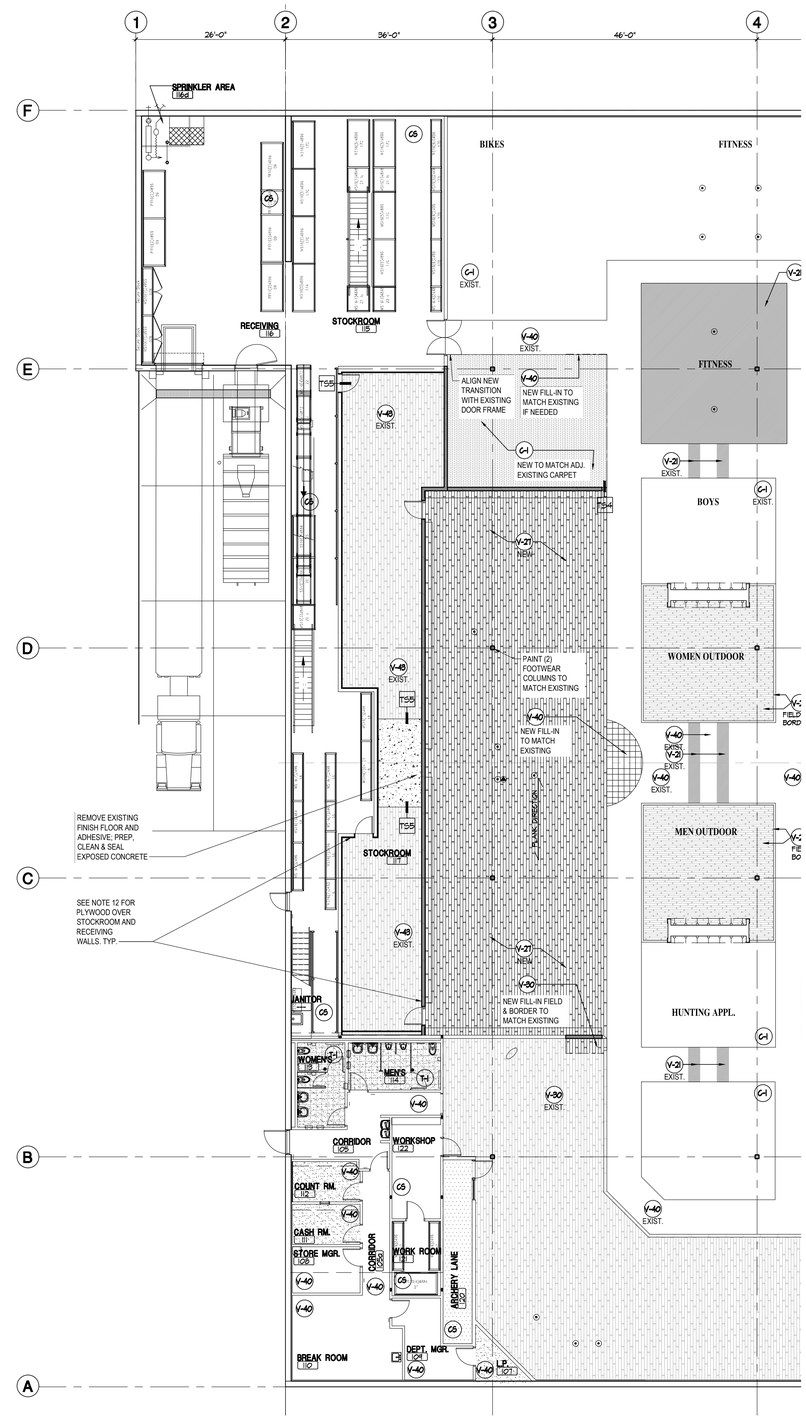
ARCHITECTURAL FLOOR PLAN

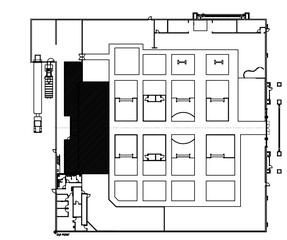


BORDER DETAIL
D2 BIKES AND FSFW
SCALE 1/2" = 1'-0"



BORDER DETAIL
D1 OUTDOOR & FSFW
SCALE 1/2" = 1'-0"





KEY PLAN
NO SCALE

NOTES

1. AS AN ALTERNATE FOR PLASTIC LAMINATES, THE GENERAL CONTRACTOR MAY PROVIDE THERMOFUSED MELAMINE PANEL AS MFGR'D BY VENDOR #1. ALL PANEL COLORS MUST MATCH THOSE OF THE PLASTIC LAMINATE COLORS LISTED IN FINISH SCHEDULE. ALL PLASTIC LAMINATES AND MELAMINE FINISHES ARE MATTE (UNLESS OTHERWISE NOTED)
2. SEE DETAILS OF TRANSITION STRIPS ON SHEET A5.0
3. PAINT ALL EXPOSED SALES FLOOR CEILING AREAS (P-30) IN A FLAT FINISH. ALL EXPOSED DUCTWORK, WIRING, CABLES, ELECTRICAL BOXES, EMERGENCY LIGHT BRACKETS, ETC., IN THESE AREAS PAINTED TO MATCH.
4. ALL EDGES OF ALL TRIM BOARDS AT EDGES OF SLATWALL THROUGHOUT STORE ARE TO BE PAINTED BLACK. ALL OTHERS TO MATCH FINISH ON FACE OF TRIM BOARDS.
5. INSTALLATION OF SLATWALL TO ADHERE TO MANUFACTURERS RECOMMENDATIONS AND MAINTENANCE SPECIFICATIONS.
6. NO COLOR OR MATERIAL SELECTIONS (INCLUDING FLOORING, CARPETING, PAINT, PLASTIC LAMINATE, METAL FINISHES, ETC.) ARE TO BE SUBSTITUTED WITHOUT PRIOR WRITTEN APPROVAL OF DICK'S.
7. REFER TO SPECIFICATIONS FOR PAINT FINISHES OF ALL MATERIALS AND SURFACES.
8. PAINT 2" GREEN STRIPE (P-34) IN ALL MAIN STOCK ROOMS & RECEIVING @ 15'-0" A.F.F. TO BOTTOM OF STRIPE AROUND ENTIRE PERIMETER. WORK ROOM (IF USED) AND GOLF STOCK STRIPE TO BE @ 12'-0" A.F.F.; ALL GYP. BD. WALLS IN STOCK AREAS TO HAVE LEVEL 2 FINISH ONLY. NO PAINT OTHER THAN THE STRIPE. REFER TO A11.0 FIXTURE PLAN.
9. PAINT ALL WALL LOUVERS TO MATCH ADJACENT WALL FINISHES.
10. PREPARE EXISTING AND NEW CONCRETE SLABS FOR INSTALLATION OF NEW WOOD, RESILIENT TILE, CARPET AND EXPOSED CONCRETE FLOORS. GRIND OFF ALL HIGH SPOTS. FILL ALL LOW SPOTS, HOLES AND CRACKS WITH CEMENT-BASED, POLYMER MODIFIED, SELF LEVELING PRODUCT THAT CAN BE APPLIED IN THICKNESSES FROM 1/8" AND THAT CAN BE FEATHERED AT EDGES TO MATCH ADJACENT FLOOR ELEVATIONS. COMPRESSIVE STRENGTH NOT LESS THAN 4000 PSI.
11. ALL MILLWORK TRIM TOUCH-UP TO BE BY G.C.
12. PROVIDE 4' HIGH 3/4" PLYWOOD WAINSCOT IN STOCK ROOM (115 & 117), RECEIVING (116) BOPIS STOCK (119) AND AROUND PERIMETER EVERYWHERE THERE IS NO SHELVING OR RACKING ON GYP. BD. WALLS. COORDINATE LOCATIONS WITH VENDOR #15.
13. ~~PAINT ALL SALES FLOOR COLUMNS P-163.~~
14. ~~REFER TO THE A12 SHEETS FOR EXTENT OF BASE B-73.~~
15. G.C. TO PAINT ALL EXPOSED SALES FLOOR CONDUIT, INCLUDING DROPS FOR BA & CCTV. CONDUIT PAINT COLOR TO MATCH ADJACENT SURFACE (WALL, CEILING, COLUMN, ETC.) DROPS SUSPENDED FROM CEILING ON SALES FLOOR AWAY FROM A VERTICAL SURFACE SHALL BE PAINTED TO MATCH CEILING.
16. G.C. TO PREP ALL DRYWALL RECEIVING WC-6 AND GRAPHIC MURALS (WHERE NOTED ON THE A12 SHEETS) WITH A LEVEL 4 FINISH AND PRIMER/SEALER; SEE SPECIFICATION 10 1600.
17. INSTALLATION OF FINISH FLOORING MUST BE COMPLETE BEFORE PERMANENT FIXTURES AND CASEWORK ARE INSTALLED (THIS INCLUDES PORTAL WALLS). THE INTENTION IS THAT FINISH FLOORING RUN UNDER FIXTURES AND CASEWORK, AND TIGHT TO WALLS. FAILURE TO DUE SO WILL RESULT IN THE GC AND/OR FLOORING VENDOR TO RETURN TO ADHERE TO THIS REQUIREMENT AT NO COST TO TENANT

A2 ARCHITECTURAL FINISH FLOOR PLAN
SCALE 3/32" = 1'-0"

REFER TO SHEET A5.0 FOR FINISHES AS TAGGED ON PLANS

LEGEND

NO WORK IN THIS AREA

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SELF DEVELOPED STORES
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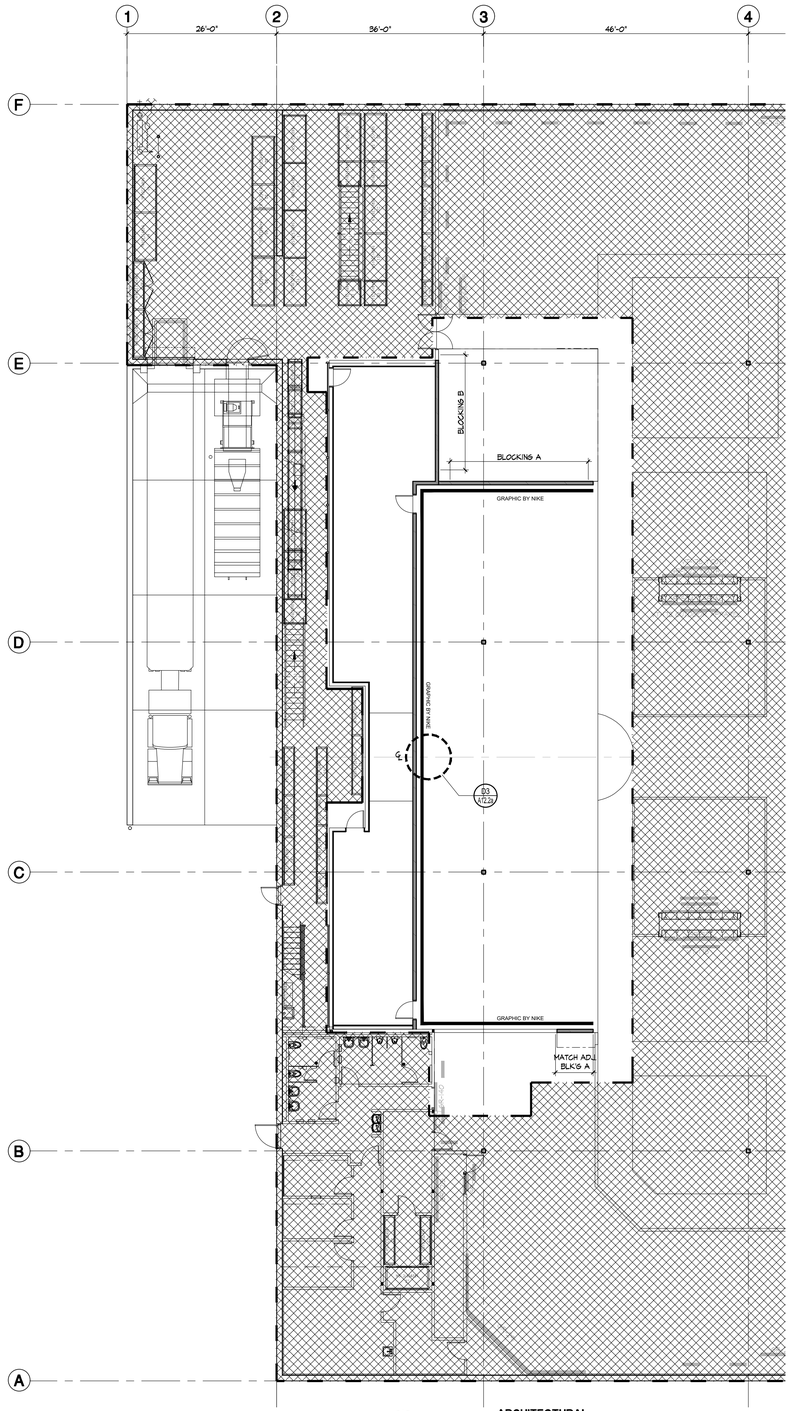
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

Project No.:	24.0122
Drawn By:	LCEB
Date	Issue
04-19-24	BID / PERMIT

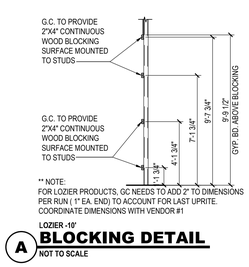
A2.0

ARCHITECTURAL FINISH FLOOR PLAN



A2.2 ARCHITECTURAL GRAPHIC PLAN

SCALE 3/32" = 1'-0"

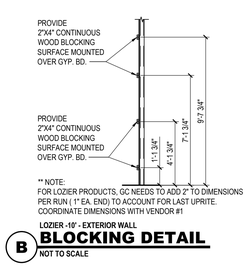


** NOTE:
FOR LOZIER PRODUCTS, GC NEEDS TO ADD 2" TO DIMENSIONS PER RUN (1" EA. END) TO ACCOUNT FOR LAST UPRITE. COORDINATE DIMENSIONS WITH VENDOR #1

LOZIER -10'

A BLOCKING DETAIL

NOT TO SCALE

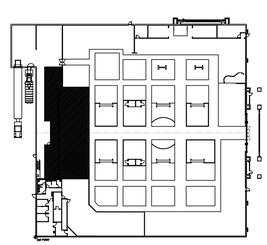


** NOTE:
FOR LOZIER PRODUCTS, GC NEEDS TO ADD 2" TO DIMENSIONS PER RUN (1" EA. END) TO ACCOUNT FOR LAST UPRITE. COORDINATE DIMENSIONS WITH VENDOR #1

LOZIER -10' - EXTERIOR WALL

B BLOCKING DETAIL

NOT TO SCALE



KEY PLAN

NO SCALE

LEGEND

NO WORK IN THIS AREA

VENDOR BLOCKING NOTES

PROVIDE BLOCKING FOR FIXTURES AS INDICATED IN DETAILS. COORDINATE ALL BLOCKING WITH VENDORS. F.R.T. BLOCKING INSTALLED AS REQUIRED IN RATED (IF APPLICABLE) & EXTERIOR WALLS. ADDITIONAL BLOCKING IS REQUIRED AS PER DETAILS THIS SHEET.

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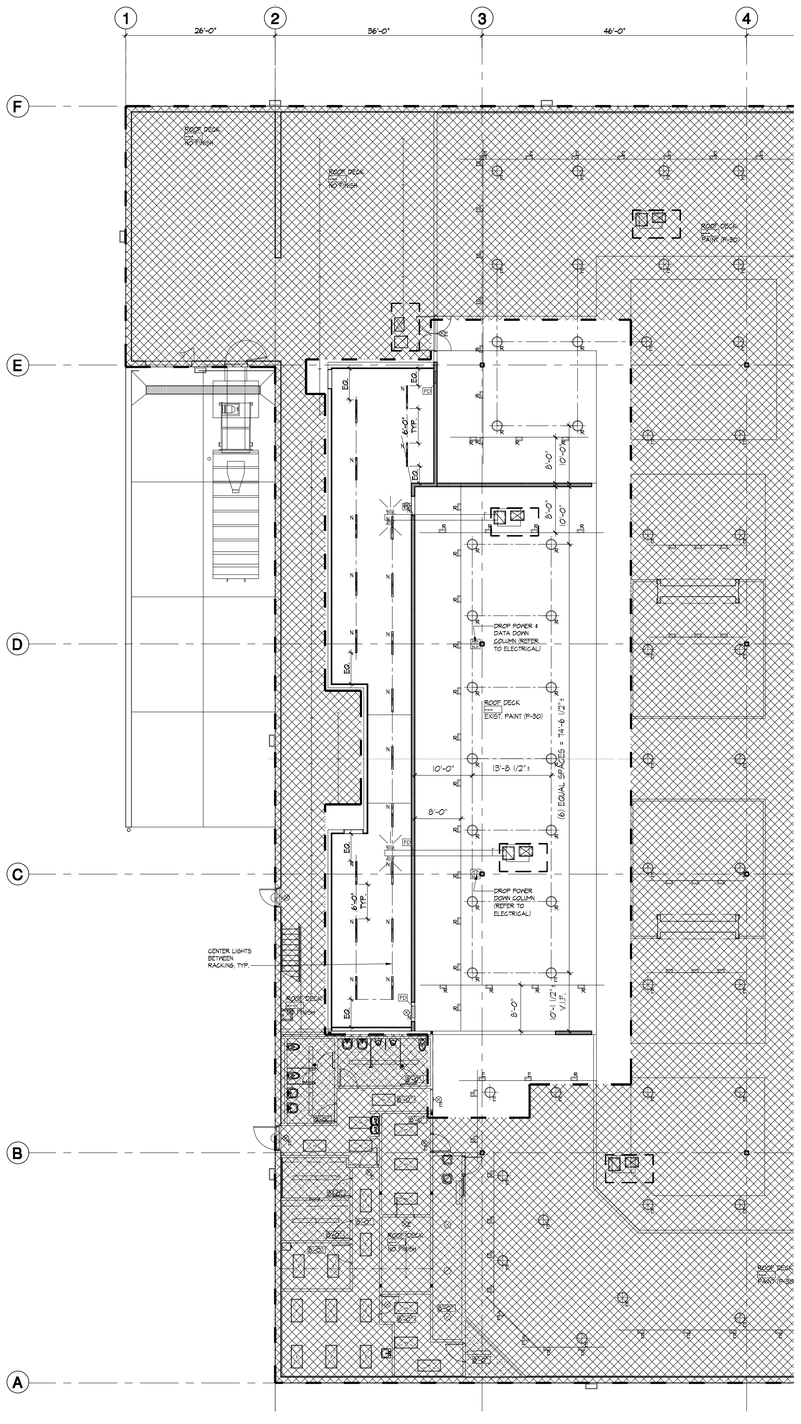
A2.2

ARCHITECTURAL BLOCKING & GRAPHICS PLAN

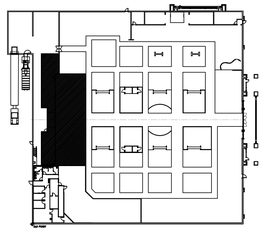


LEGEND

REFER TO ELECTRICAL SHEETS FOR FULL LIGHTING SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUSPENDED LIGHT FIXTURE MOUNTED TO MATCH EXISTING (16'-0"±); (REFER TO ELECTRICAL)		5/8" GYPSUM BOARD CEILING PAINTED P-10 UNLESS OTHERWISE NOTED (REFER TO PLAN FOR HEIGHTS)
	TRACK LIGHTS; MOUNT BOTTOM OF TRACK TO MATCH EXISTING (16'-0"±) (REFER TO ELECTRICAL)		2'-0" x 2'-0" SUSPENDED ACOUSTICAL CEILING (REFER TO PLAN FOR HEIGHTS)
	4'-0" LED LINEAR LUMINAIRE, PENDANT MOUNTED UNLESS NOTED OTHERWISE (15'-0" A.F.F.)	XXX / --- / XXX	CEILING SURFACE; CEILING HEIGHT; CEILING FINISH or LOCATION
	8'-0" FLUORESCENT STRIP FIXTURE, PENDANT MOUNTED UNLESS NOTED OTHERWISE; MOUNT TO MATCH EXISTING MOUNTING HEIGHTS (15'-0"± A.F.F.)		
	CEILING MOUNTED EXIT SIGN LIGHT FIXTURE (REFER TO ELECTRICAL)		
	SURFACE MOUNTED EXIT SIGN AND LIGHTING (REFER TO ELECTRICAL)		

'E' INDICATES EXISTING FIXTURE TO REMAIN
'R' INDICATES RELOCATED FIXTURE
'N' INDICATES NEW FIXTURE



KEY PLAN
NO SCALE

A3 ARCHITECTURAL
CEILING PLAN
SCALE 3/32" = 1'-0"

LEGEND

NO WORK IN THIS AREA

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SELF DEVELOPED STORES
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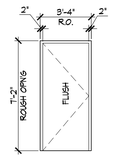
ARCHITECTURAL CEILING PLANS

INTERIOR FINISHES

	KEY	MATERIAL	CLASSIFICATION	DESCRIPTION
FLOORING	V-30	VINYL WOOD PLANK FLOORING -	CLASS I	SHAW LVT - DECOWOOD 00287- 02795
	V-40	VCT THROUGHOUT	CLASS I	MATCH EXISTING: ARMSTRONG - STANDARD EXCELON IMPERIAL TEXTURE - 51904 - STERLING
	VF-27	LVT - FOOTWEAR	CLASS I	SHAW CONTRACT INLET LV1B600140, SPINDLE 26140 (2.5mm thk) (6"x48" PLANK)
	CS	CONCRETE SLAB - EXISTING		EXISTING CONCRETE SLAB TO BE CLEANED. A MINIMUM OF 2 COATS CLEAR SEMI-GLOSS ACRYLIC WATER BASED SEALER TO BE APPLIED.
	CS	CONCRETE SLAB - NEW		NEW CONCRETE FLOOR. A MINIMUM OF 2 COATS CLEAR SEMI-GLOSS ACRYLIC WATER BASED SEALER TO BE APPLIED.
PAINT	P-12	PAINT - TEAM SPORTS/CAMPING/LODGE	CLASS A	DSG CUSTOM LOUISBURG GREEN
	P-30	PAINT - THROUGHOUT STORE/CLING/COLUMNS	CLASS A	SHERWIN WILLIAMS - SW6196 FROSTY WHITE
	P-34	PAINT - FOOTWEAR	CLASS A	SHERWIN WILLIAMS - CUSTOM INTERIOR HARTFORD GREEN
	P-65	PAINT - BIKES/FITNESS/FOOTWEAR	CLASS A	SHERWIN WILLIAMS- CUSTOM TO MATCH PPG 352-3 LRV 57 VERNAL FALLS
	P-69	PAINT - BIKES/FITNESS/FOOTWEAR	CLASS A	SHERWIN WILLIAMS- SW 7074 SOFTWARE
	P-78	PAINT - LODGE STRIPE	CLASS A	SHERWIN WILLIAMS - SW7069 - IRON ORE
	P-169	PAINT - FOOTWEAR (FSFW) & OUTDOORS	CLASS A	SHERWIN WILLIAMS - SW6258 - TRI-CORN BLACK-SATIN
BASE	B-30	RESILIENT BASE - 6" VINYL COVED	CLASS B	JOHNSONITE #40 BLACK
MISC.	TS-4	VINYL	CLASS I	JOHNSONITE - # CTA-80-A TRANSITION MOULDING BETWEEN RESILIENT FLOORING AND CARPET (SEE A2.0) - COLOR #80 FAWN
	TS-5	VINYL	CLASS I	JOHNSONITE - # RRS-80-C TILE REDUCER BETWEEN RESILIENT FLOORING AND CONCRETE (SEE A2.0) - COLOR TO MATCH EXISTING



INTERIOR DOOR FACES TO BE MIN. 16 GA. STL.

B H.M. DOOR & FRAME

NOTES
1. SEE HEAD DETAIL FOR FRAME SIZE.
2. DOORS THAT REQUIRE DOOR SPYS: MOUNT (1) AT 48" AFF MAX (TO BOTTOM OF GLASS) AND (1) AT 60" AFF; LOWER EXIT DEVICE TO CLEAR SPY; REFER TO DOOR HARDWARE SCHEDULE.

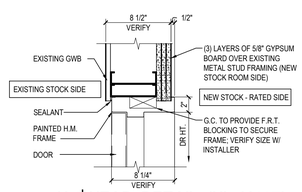
DOOR AND FRAME SCHEDULE

oVERIFY EXISTING WALL THICKNESS
ooVERIFY EXISTING DOOR OPENING SIZE

	DOOR				JAMB		HEAD						
NO.	LOCATION	TYPE	MATERIAL	SIZE	MAT'L	TYPE	MAT'L	TYPE	HARDWARE SET NO.	RATING	REMARKS	INTERIOR SIGNAGE (REFER TO ADAG FOR MOUNTING REQUIREMENTS)	NO.
FIRST FLOOR													
117	FOOTWEAR/ STOCKROOM	B	H. MTL.	**3'-0" x 7'-0"	K.D.	J-1	K.D.	H1	04.4	60 MIN	--		117
117A	FOOTWEAR/ STOCKROOM	B	H. MTL.	3'-0" x 7'-0"	H. MTL.	J-2	H. MTL.	H-2	04.3	60 MIN	--		117A
117B	FOOTWEAR/STOCKROOM	B	H. MTL.	3'-0" x 7'-0"	H. MTL.	J-2	H. MTL.	H-2	04.3	60 MIN	--		117B
117C	FOOTWEAR/STOCKROOM	B	H. MTL.	*3'-0" x 7'-0"	K.D.	J-1	K.D.	H1	04.4	60 MIN	--		117C

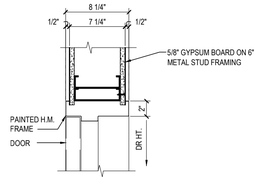
DOOR NOTES: ALL DOOR & HARDWARE BY VENDOR #4 UNLESS NOTED

1. DOOR TO BE PROVIDED WITH 180° SWING HARDWARE AND "TEARDROP" IMPACT BUMPERS (TYP. BOTH SIDES OF DOORS).
2. ALL DOOR HARDWARE BY DOOR MFGR.
8. UNDERCUT DOOR BY 1"
12. G.C. TO ADJUST CLOSERS ON ALL INTERIOR DOORS TO A MAXIMUM OPENING FORCE OF 5 LBS. ADJUST CLOSING SPEED SO THAT THE TIME FOR THE DOOR TO MOVE FROM 90° TO 12° FROM THE LATCH IS NOT LESS THAN 5 SECONDS.
13. FINAL KEYING BY DICK'S SPORTING GOODS.
ALL HARDWARE SHALL BE ADA ACCESSIBLE
33. PUNCH 4 DIMPLE FRAME - USE STOCK 8 1/4" JAMB SIZE



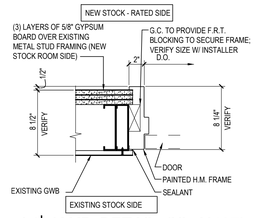
H-1 HEAD DETAIL (UL V497)

1 1/2" = 1'-0"



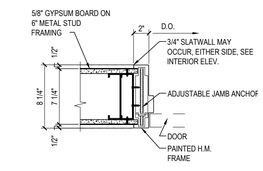
H-2 HEAD DETAIL

1 1/2" = 1'-0"



J-1 JAMB DETAIL (UL V497)

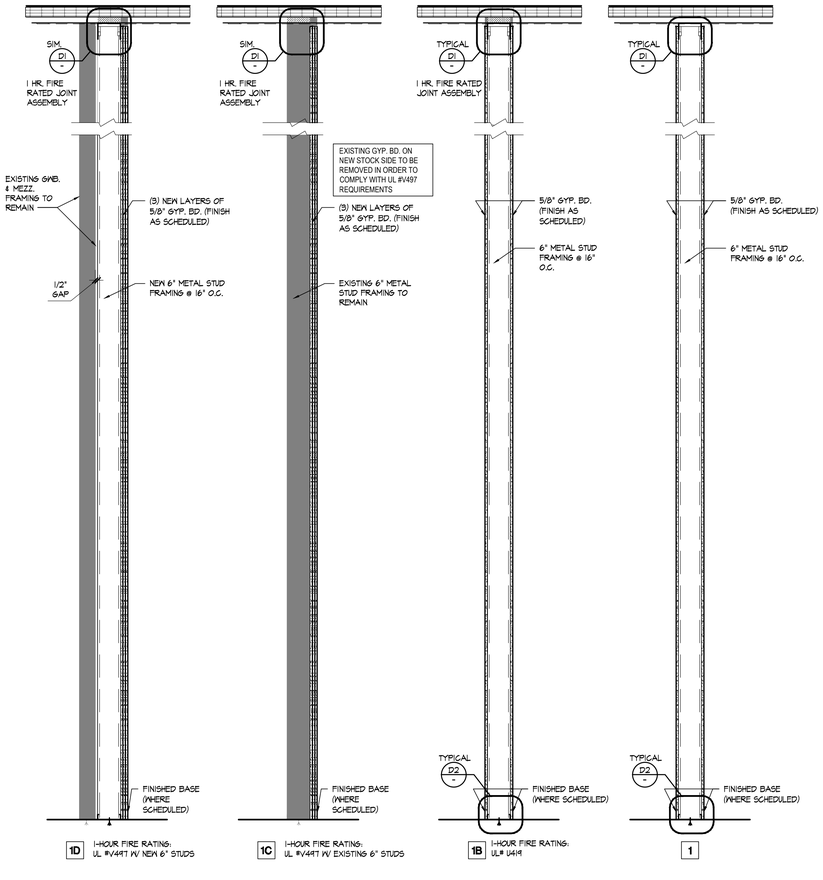
1 1/2" = 1'-0"



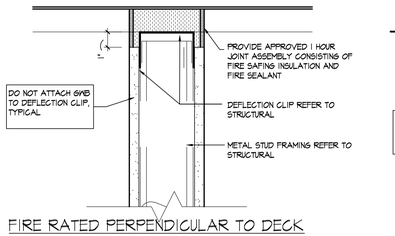
J-2 JAMB DETAIL

1 1/2" = 1'-0"

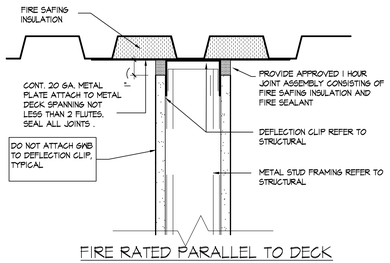
THE GENERAL CONTRACTOR IS TO SELECT MATERIAL THICKNESSES BASED ON THE "SFIA PRODUCT TECHNICAL INFORMATION" MANUAL FOR LIMITING WALL HEIGHT TABLES FOR ALL INTERIOR PARTITIONS USING 5 PSF LATERAL LOAD AND MAX DEFLECTION OF L/240.



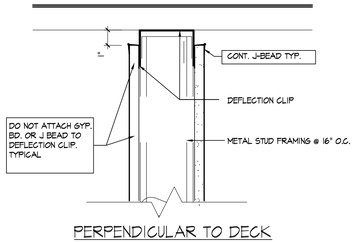
PARTITION TYPES



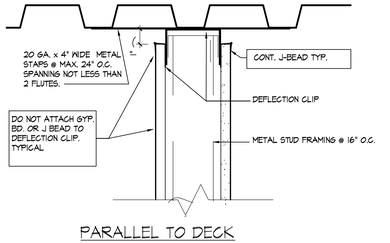
FIRE RATED PERPENDICULAR TO DECK



FIRE RATED PARALLEL TO DECK



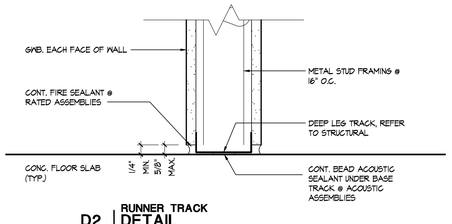
PERPENDICULAR TO DECK



PARALLEL TO DECK

D1 WALL TYPE HEAD DETAILS DETAIL

SCALE 3" = 1'-0"



D2 RUNNER TRACK DETAIL

SCALE 3" = 1'-0"

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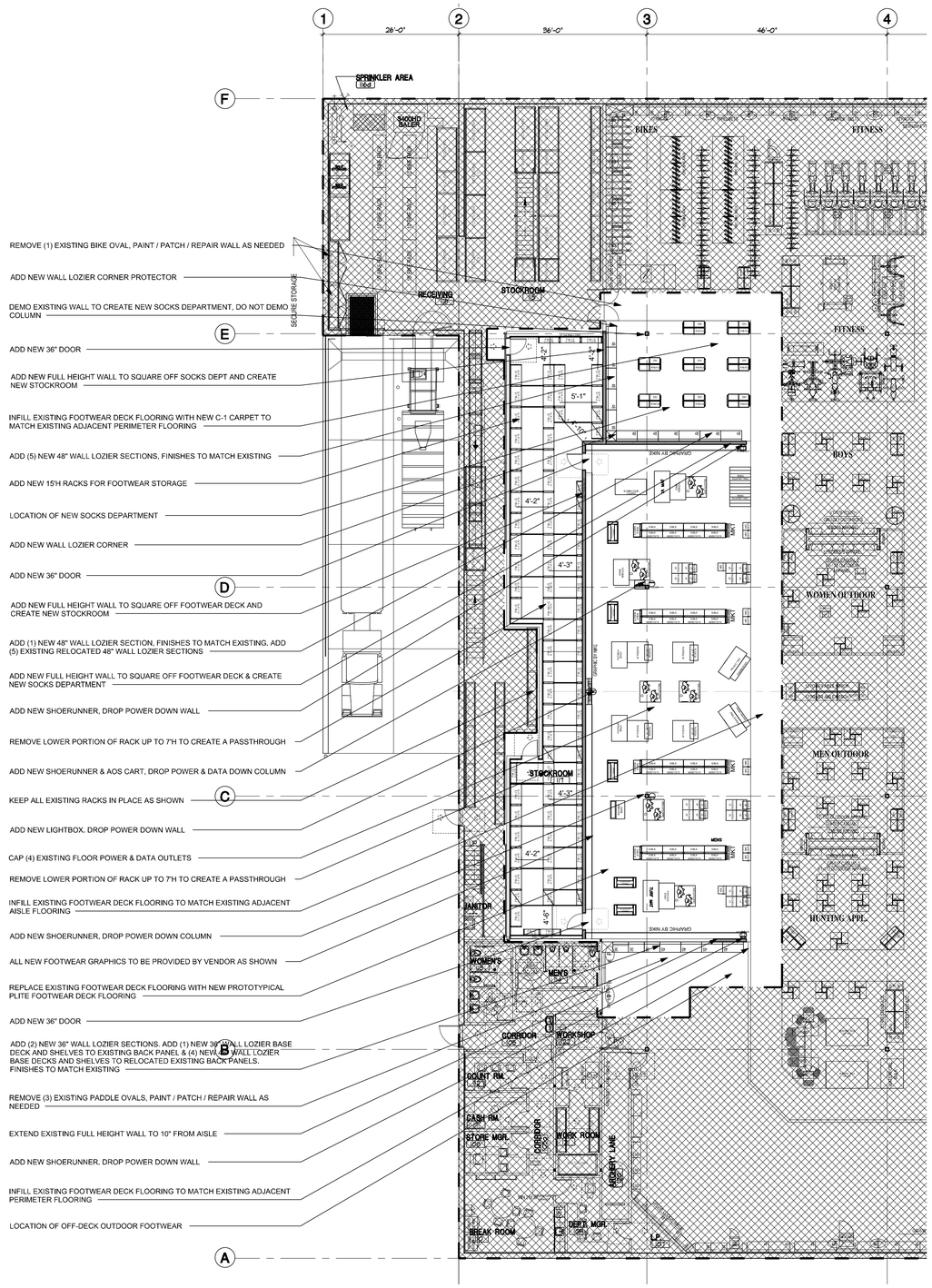
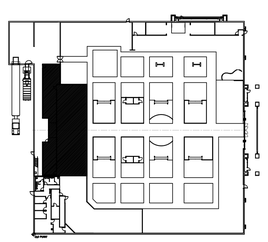
A5.0

SCHEDULES, NOTES & DETAILS





KEY PLAN
NO SCALE

F1 | ARCHITECTURAL FIXTURE PLAN
SCALE 3/32" = 1'-0"

FIXTURE NOTES

ALL FIXTURING SHOWN TO BE PURCHASED BY G.C. FROM VENDOR #1 AND VENDOR #1 TO INSTALL (UNLESS NOTED OTHERWISE.)
ALL TRIM SHOWN AGAINST SLATWALL IS TO BE PURCHASED AS PART OF THE VENDOR 1 PACKAGE.
INSTALLATION OF FINISH FLOORING MUST BE COMPLETE BEFORE PERMANENT FIXTURES AND CASEWORK ARE INSTALLED (THIS INCLUDES PORTAL WALLS). THE INTENTION IS THAT FINISH FLOORING RUN UNDER FIXTURES AND CASEWORK, AND TIGHT TO WALLS. FAILURE TO DUE SO WILL RESULT IN THE GC AND/OR FLOORING VENDOR TO RETURN TO ADHERE TO THIS REQUIREMENT AT NO COST TO TENANT

LEGEND

NO WORK IN THIS AREA

THIS PLAN IS BASED ON DSG FIXTURE PLAN DATED MARCH 19, 2024

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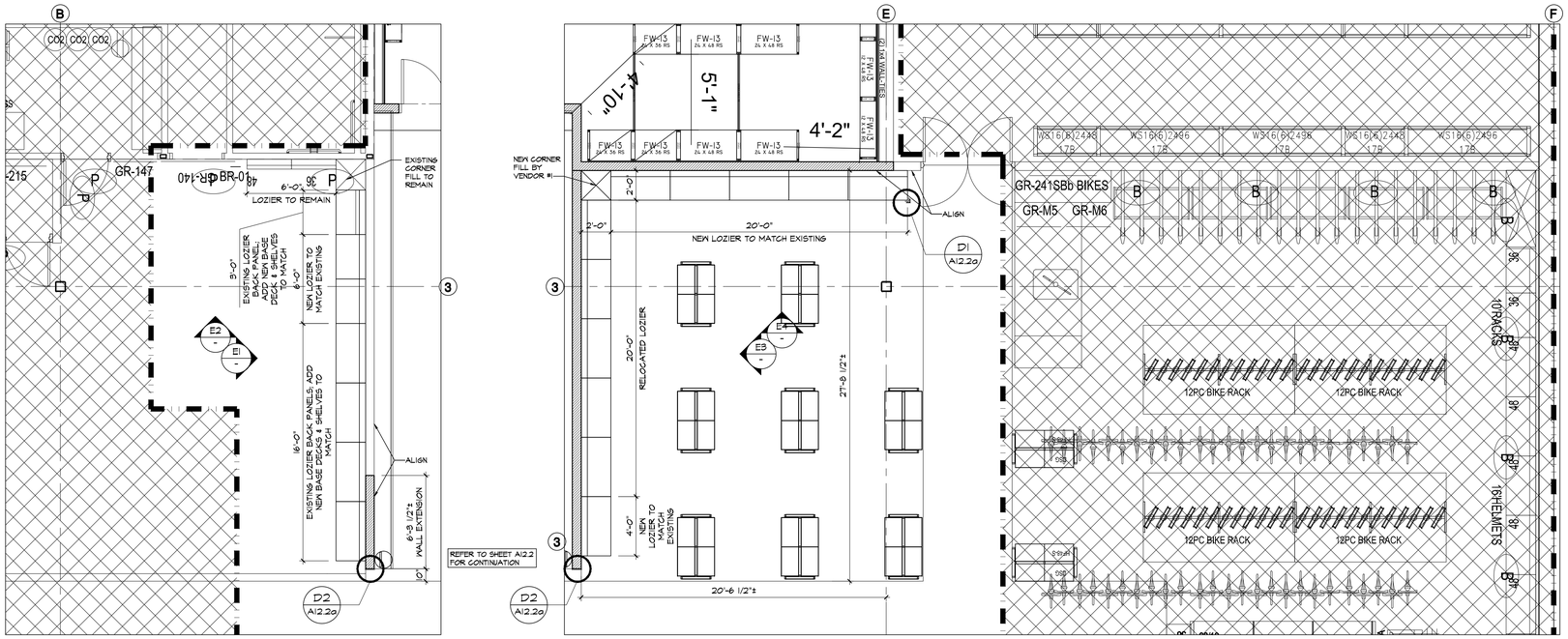
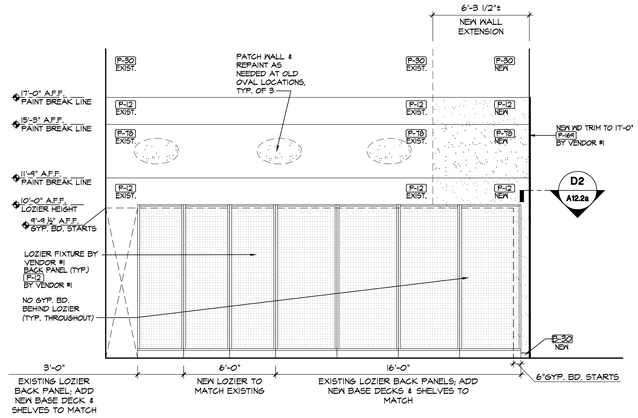
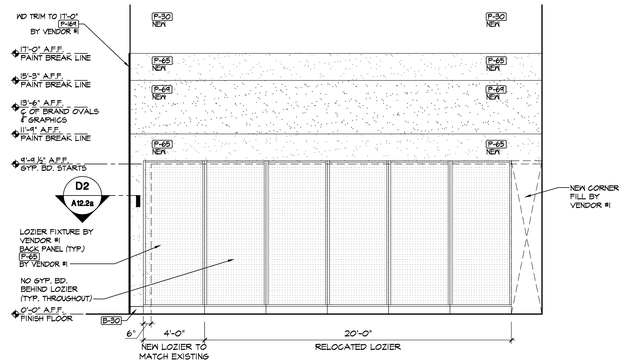
A11.0

ARCHITECTURAL FIXTURE PLAN





E1 | LODGE **INTERIOR ELEVATION**
SCALE 1/4" = 1'-0"

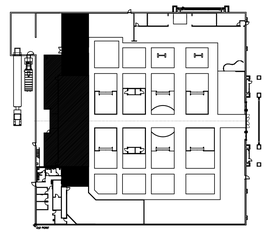


E2 | BIKES / FITNESS **INTERIOR ELEVATION**
SCALE 1/4" = 1'-0"

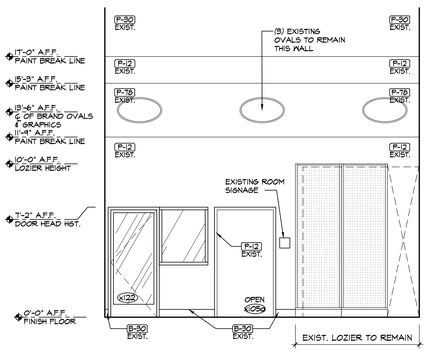
INTERIOR FINISH SCHEDULE

P-12	PAINT - LOUISBURG GREEN
P-30	PAINT - FROSTY WHITE
P-34	PAINT - HARTFORD (DS6) GREEN
P-65	PAINT - VERNAL FALLS
P-64	PAINT - SOFTWARE
P-78	PAINT - IRON ORE
P-64	PAINT - TRI-CORN BLACK
B-30	6" VINYL COVE - BLACK

NOTE: REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL FINISHES.

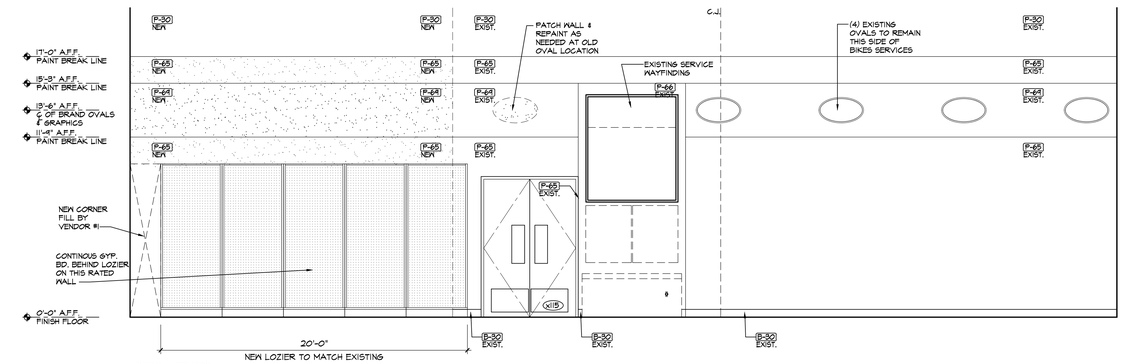


KEYPLAN



E2 | LODGE **INTERIOR ELEVATION**
SCALE 1/4" = 1'-0"

ELEVATION FOR REFERENCE ONLY



E3 | BIKES / FITNESS **INTERIOR ELEVATION**
SCALE 1/4" = 1'-0"

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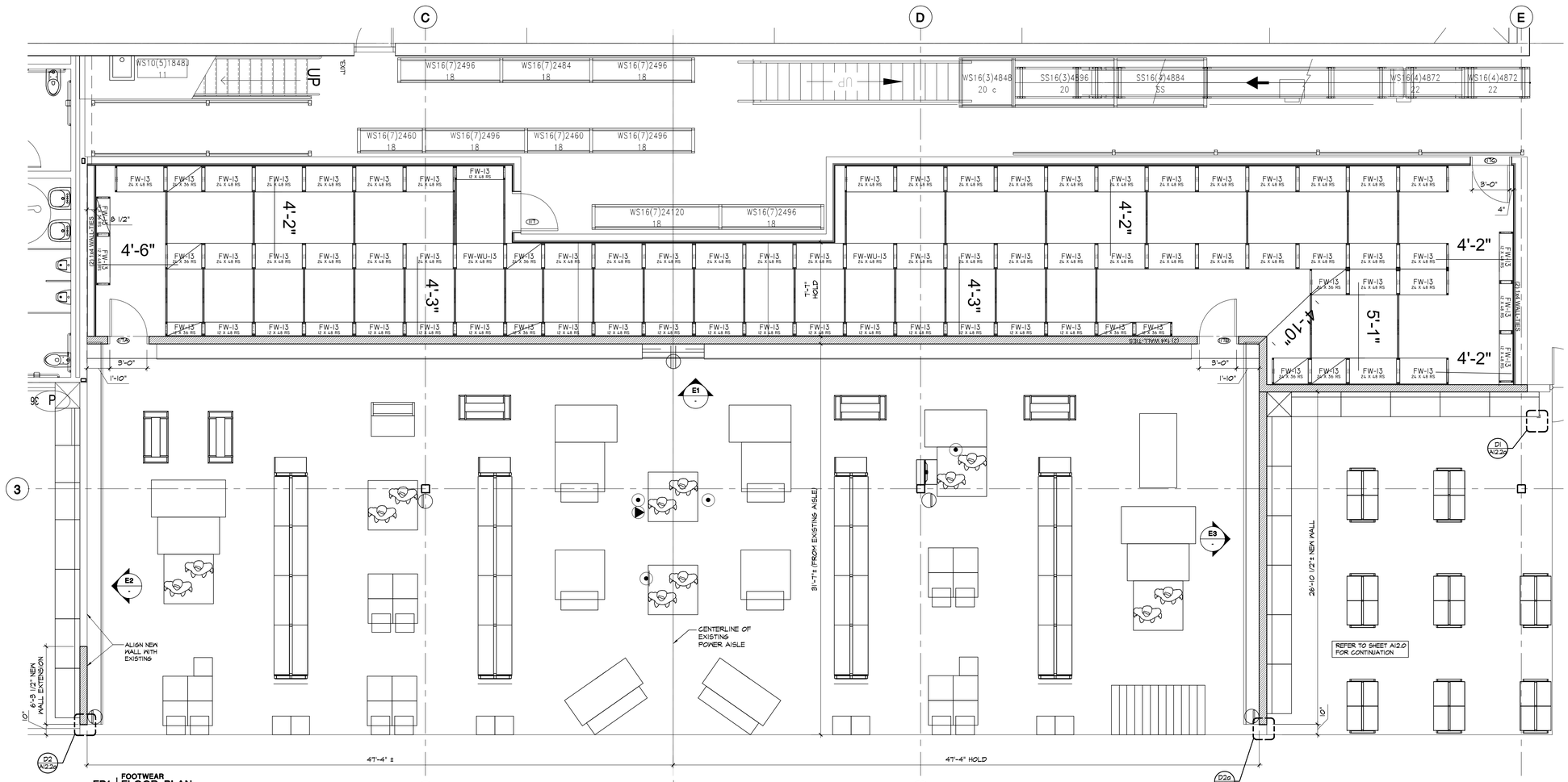
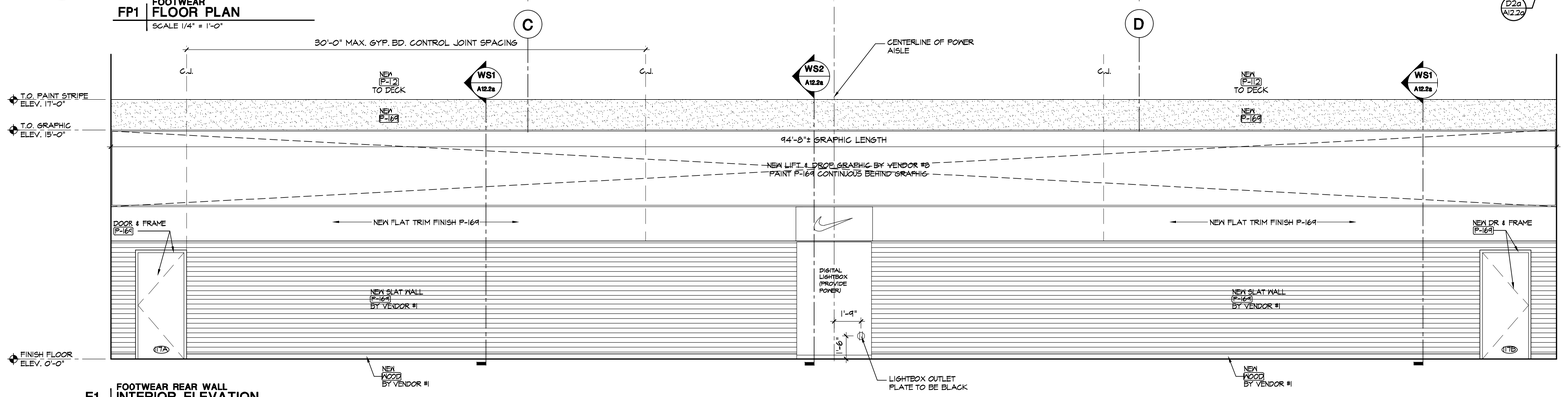
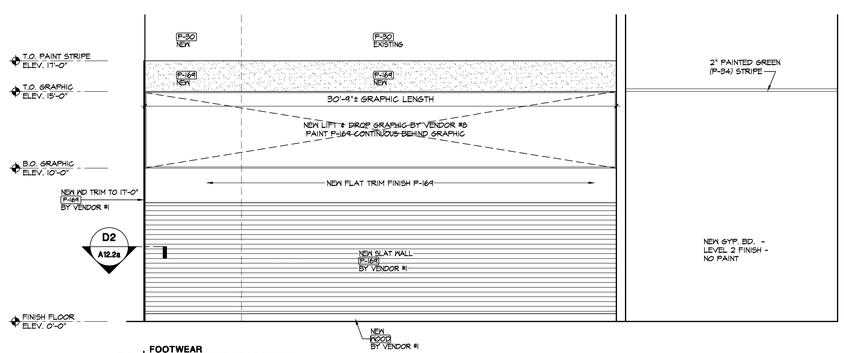
LODGE PLAN AND ELEVATIONS



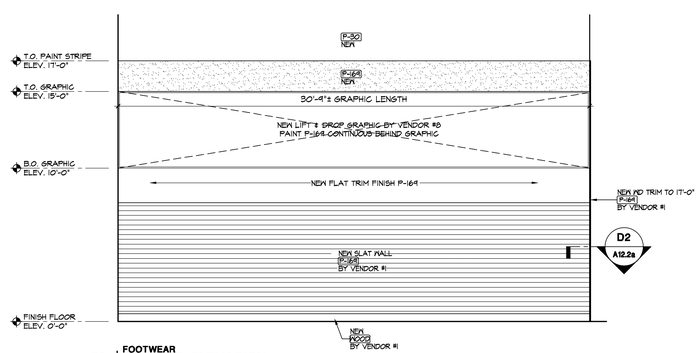
FP1 | FOOTWEAR FLOOR PLAN
SCALE 1/4" = 1'-0"



E1 | FOOTWEAR REAR WALL INTERIOR ELEVATION
SCALE 1/4" = 1'-0"



E2 | FOOTWEAR INTERIOR ELEVATION
SCALE 1/4" = 1'-0"

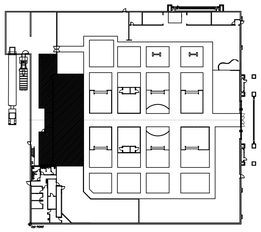


E3 | FOOTWEAR INTERIOR ELEVATION
SCALE 1/4" = 1'-0"

INTERIOR FINISH SCHEDULE

P-12	PAINT - LOUISBURG GREEN
P-30	PAINT - FROSTY WHITE
P-34	PAINT - HARTFORD (D56) GREEN
P-65	PAINT - VERNAL FALLS
P-64	PAINT - SOFTWARE
P-78	PAINT - IRON ORE
P-164	PAINT - TRI-CORN BLACK
B-30	6" VINYL COVE - BLACK

NOTE: REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL FINISHES.



KEYPLAN

MICHAEL CRISLIP | ARCHITECT
25001 Emery Road, Suite 400
Cleveland, Ohio 44128
216.223.3200 onyxcreative.com

Design and construction documents as instruments of service are given in confidence and remain the property of Michael Crislip, Architect. The use of this design and these construction documents for purposes other than the specific project named herein is strictly prohibited without expressed written consent of Michael Crislip, Architect.

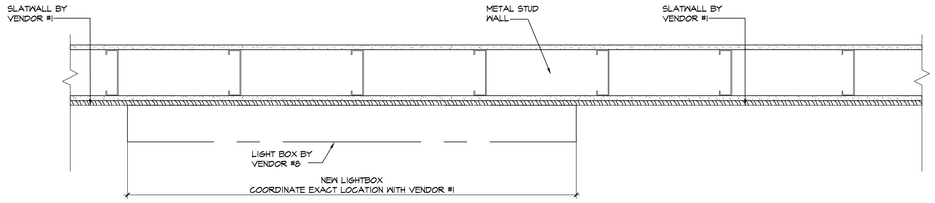
SELF-DEVELOPED STORES
All construction documents, details and specifications are instruments of service and shall remain the property of the General Contractor (GC) and Architect (A/E) who shall be deemed the authors. The Tenant (Dick's Sporting Goods) has no claim of work and/or responsibility to the GC and A/E for any use of the documents.

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

Project No.:	24.0122
Drawn By:	LCEB
Date	Issue
04-19-24	BID / PERMIT

A12.2

FOOTWEAR PLAN & ELEVATIONS



D3 | LIGHTBOX BLOCKING DETAIL

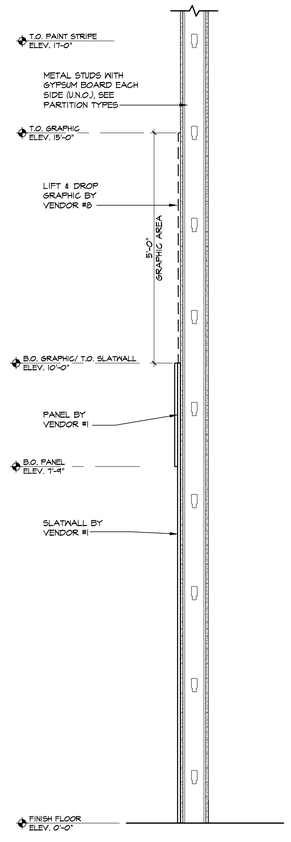
SCALE: 1-1/2"=1'-0"

D2 | END WALL DETAIL

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

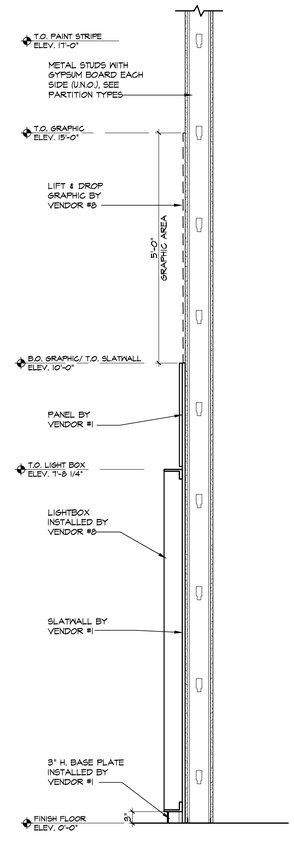
D1 | CORNER GUARD ALT. DETAIL

SCALE 3" = 1'-0"



WS1 | FOOTWEAR WALL SECTION

SCALE 3/4" = 1'-0"



WS2 | FOOTWEAR WALL SECTION

SCALE 3/4" = 1'-0"

MICHAEL CRISLIP | ARCHITECT
25001 Emery Road, Suite 400
Cleveland, Ohio 44128
216.223.3200 onyxcreative.com

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SELF DEVELOPED STORES
All work shall be performed in accordance with applicable statutes, ordinances, codes, rules and regulations governing the work. The Contractor is solely responsible for all construction means, methods, techniques, sequences and procedures and for coordinating all portions of the work under the Contract, unless the Contract Documents give other specific instructions concerning these matters. The Owner, Dick's Sporting Goods has no supervisory responsibility or authority over the Contractor's safety precautions and programs in connection with the work, and the Owner shall not be responsible for the Contractor's failure to carry out the work in accordance with the Contract Documents. The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, subcontractors and their agents and employees, and other persons performing portions of the work.

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

Project No.:	24.022
Drawn By:	LCEB
Date	Issue
04-18-24	BID / PERMIT

A12.2a

FOOTWEAR SECTIONS & DETAILS

DICK'S SPORTING GOODS

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

DRAWING INDEX

T1.0	COVER SHEET
F1.0	SHELVING PLAN
F2.0	ENLARGED PLAN
SED 1 OF 1	SHELVING DETAILS

TENANT
DICK'S SPORTING GOODS
345 COURT STREET
CORAOPOLIS, PA 15108
CONTACT: DIRECTOR OF CONSTRUCTION
PHONE: (724) 273-3400

ARCHITECT
ONYX CREATIVE
25001 EMERY ROAD, SUITE 400
CLEVELAND, OH 44128
CONTACT: BOB SKILLMAN
PHONE: (216) 223.3238
E-MAIL: bskillman@onyxcreative.com

SHELVING
RETAIL FIXTURE SOLUTIONS, INC.
200 S. ROGERS ST, STE 301
WAXAHACHIE, TX 75165
CONTACT: KEVIN HOFFMAN
PHONE: (972) 923-0001
E-MAIL: kevin@retailfixturesolutions.com

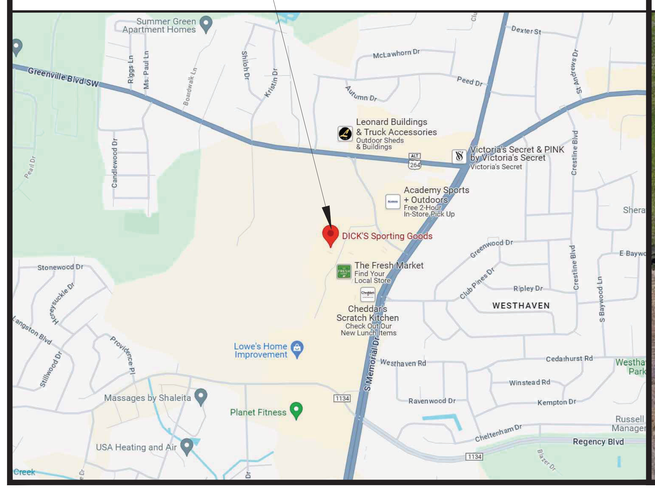
STRUCTURAL ENGINEER
STRUCTURAL ENGINEERING & DESIGN, INC.
1815 WRIGHT AVENUE
LA VERNE, CA 91750
CONTACT: BOB SHARIFI
PHONE: (909) 596-1351
E-MAIL: bob@scedinc.com

T&Z CONSULTING SERVICES, LLC
1428 N SHEVLIN COURT
SEWICKLEY, PA 15143

SCOPE OF WORK
INSTALLATION OF STOCKROOM RACKING

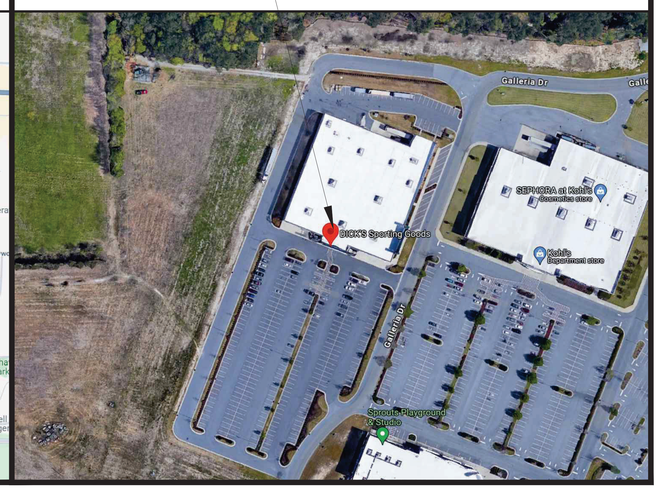
AREA PLAN

PROJECT LOCATION



SITE PLAN

PROJECT LOCATION



ISSUE DATE:
04/04/2024

REVISIONS:

Date issued _____
This drawing is being presented to you for your approval. It will be your responsibility that we have performed our obligation in accordance with your instructions in the preparation of this drawing. Please check and verify all details and any changes you deem necessary. Production will not take place until this drawing has been approved and signed by an authorized representative of your company.
☐ Approved By _____
☐ Approved as noted Title _____
☐ Not Approved Date _____
☐ Comments and resubmit

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834

R·F·S
RETAIL FIXTURE SOLUTIONS, INC.
200 S ROGERS ST, STE 301, WAXAHACHIE, TX 75165
PH. 972-923-0001
KEVIN HOFFMAN

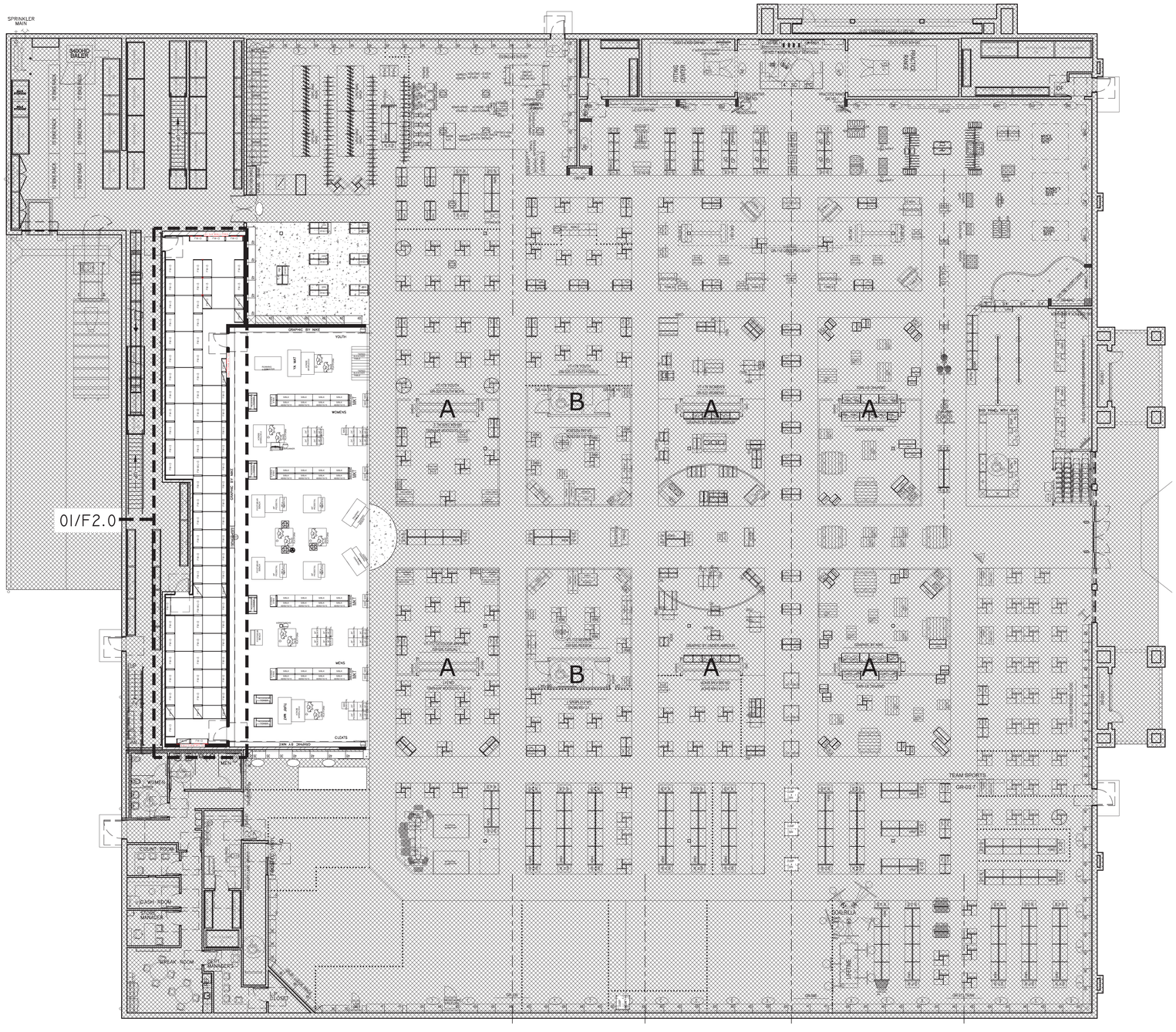
NORTH CAROLINA T&Z CONSULTING SERVICES, PLLC No. P-1889 CERTIFICATE OF AUTHORIZATION
NORTH CAROLINA PROFESSIONAL SEAL 027987 ENGINEER MINGQIAO ZHU
04/10/2024

THE P.E. CERTIFICATION PROVIDED HEREIN PERTAINS TO THE SHELVING COMPONENTS ONLY. ALL OTHER COMPONENTS ARE OUTSIDE THE SCOPE OF THIS CERTIFICATION.

SHEET TITLE:
COVER SHEET

STORE NUMBER:
1066

SHEET NUMBER:
T1.0



01 FLOOR PLAN
F1.0

SCALE: 3/32" = 1'

ISSUE DATE:
04/04/2024

REVISIONS:

Date issued _____

This drawing is being presented to you for your approval. It will be your responsibility that we have performed our obligation in accordance with your purchase order. Please review carefully and notify us in writing of any changes you deem necessary. Production will not take place until this drawing has been approved and signed by an authorized representative of your company.

☐ Approved
☐ Approved as noted
☐ Not Approved comments and resubmit

By _____
Title _____
Date _____

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834

R·F·S
RETAIL FIXTURE SOLUTIONS, INC.
200 S ROGERS ST, STE 301, WAXAHACHIE, TX 75165
KEVIN HOFFMAN
PH. 972-923-0001

SHEET TITLE:
SHELVING PLAN

STORE NUMBER:
1066

SHEET NUMBER:
F1.0

NORTH CAROLINA T&Z CONSULTING SERVICES, PLLC No. P-1889 CERTIFICATE OF AUTHORIZATION

NORTH CAROLINA PROFESSIONAL SEAL 027987 ENGINEER YINGQIAO ZHU

04/10/2024

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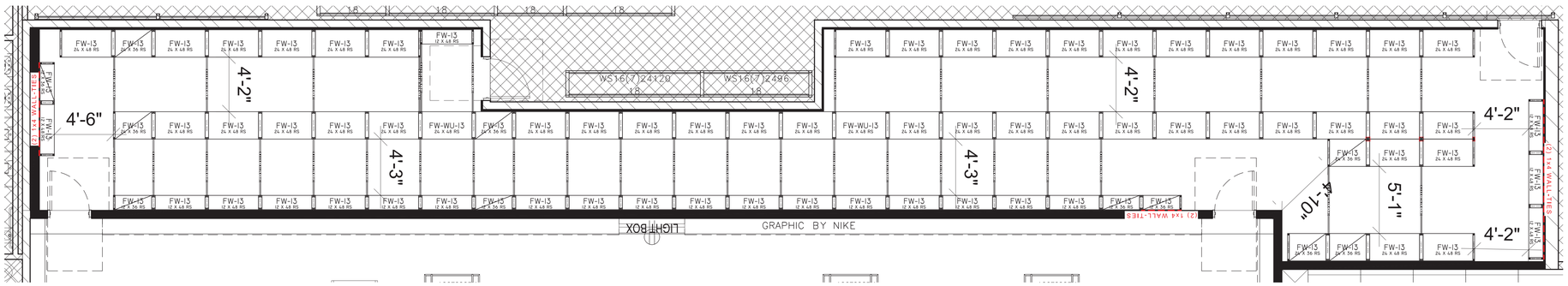
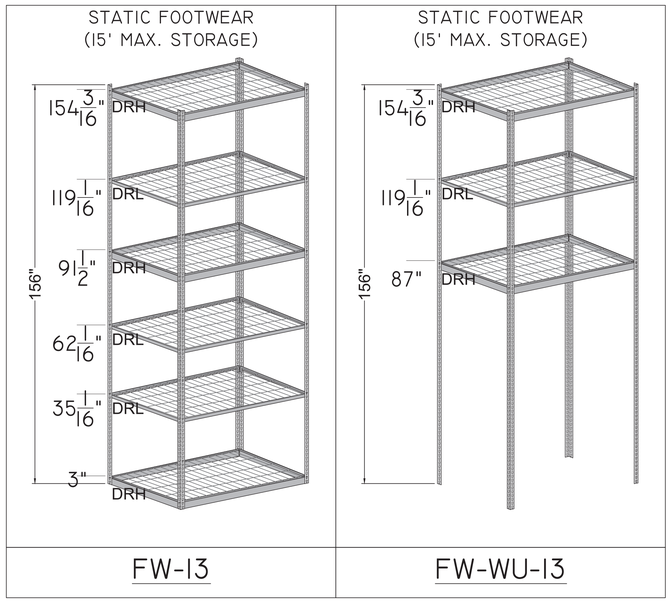


01 F2.0 ENLARGED FLOOR PLAN

SCALE: 1/4" = 1'



02 F2.0 SHELVING ELEVATIONS

SCALE: 1/2" = 1'

ISSUE DATE:
04/04/2024

REVISIONS:

Date issued _____
This drawing is being presented to you for your approval. It will be your certification that we have performed our obligation in accordance with your purchase order and contract documents. Please review and approve any changes you deem necessary. Production will not take place until this drawing has been approved and signed by an authorized representative of your company.
By _____
Title _____
Date _____
☐ Approved
☐ Approved as noted
☐ Not Approved Comments and resubmit

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834

R·F·S
RETAIL FIXTURE SOLUTIONS, INC.
200 S ROGERS ST, STE 301, WAXAHACHIE, TX 75165
KEVIN HOFFMAN PH. 972-923-0001

SHEET TITLE:
ENLARGED PLAN

STORE NUMBER:
1066

SHEET NUMBER:
F2.0

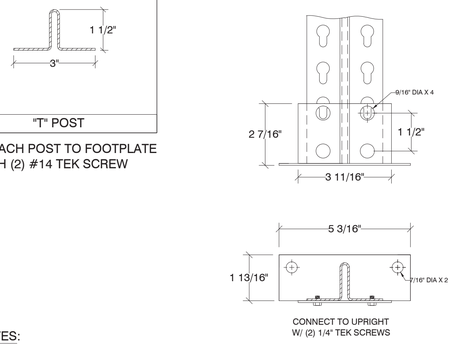
NORTH CAROLINA T&Z CONSULTING SERVICES, PLLC No. P-1889 CERTIFICATE OF AUTHORIZATION

NORTH CAROLINA PROFESSIONAL SEAL 027987 ENGINEER MINGQIAO ZHU

04/10/2024

THE P.E. CERTIFICATION PROVIDED HEREIN PERTAINS TO THE SHELVING COMPONENTS ONLY. ALL OTHER COMPONENTS ARE OUTSIDE THE SCOPE OF THIS CERTIFICATION.

1



"T" POST

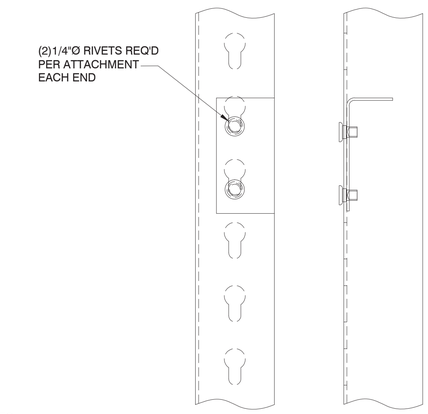
ATTACH POST TO FOOTPLATE
WITH (2) #14 TEK SCREW

NOTES:
USE @ ALL SHELVING
INTERMEDIATE POST LOCATIONS TYP.

DESCRIPTION	BASE PLATE: RDSFP 5-3/16" X 1-13/16"
MATERIAL	14 GAGE THICK PLATE
STEEL YIELD	ASTM A36, Fy=36,000 PSI

DESCRIPTION	POST: ROLL FORM ANGLE (TURH)
MATERIAL	14 GAGE STEEL
STEEL YIELD	ASTM A36, Fy=36,000 PSI

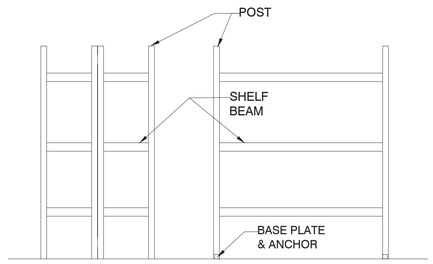
2



NOTES:
USE AT ALL POST TO SPECIFIC SHELF BEAM ATTACHMENTS

DESCRIPTION	SHELF TO POST CONNECTION FOR DBL RIVET BEAM

GENERAL SHELVING CONFIGURATION

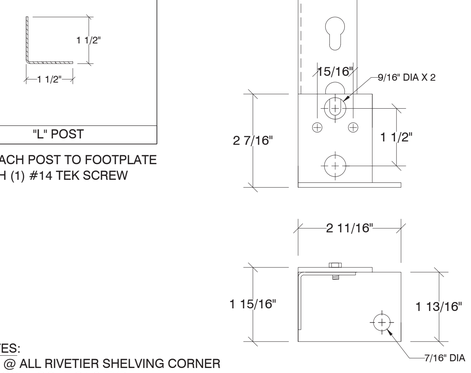


NOT A DEPICTION OF THIS PROJECT

GENERAL PROJECT NOTES

1. DESIGNED PER REQUIREMENTS OF THE 2015 IBC, ASCE 7-16, SECTION 15.5.3 & THE 2012 RMI RACK DESIGN MANUAL
2. SEISMIC CRITERIA Ss=0.100, S1=0.050, Fa=1.600, Fv=2.400, Ip = 1.0 (NO PUBLIC ACCESS), Sds=0.104, Sd1=0.078, OCC. CATAG. II, SITE CLASS D, SEISMIC DESIGN CLASS B
3. STORAGE CAPACITY:
   TYPE FW-13 MM RIVET SHELVING 156"H X 48"W X 12"D= 200# @ PER SHELF LEVEL TYP.
   TYPE FW-13 MM RIVET SHELVING 156"H X 48"W X 24"D= 200# @ PER SHELF LEVEL TYP.
   TYPE FW-WU-13 MM RIVET SHELVING 156"H X 48"W X 12"D= 200# @ PER SHELF LEVEL TYP.
   TYPE FW-WU-13 MM RIVET SHELVING 156"H X 48"W X 24"D= 200# @ PER SHELF LEVEL TYP.
4. ANCHORS: HILTI KH-EZ SCREW ESR#3027 OR ICC & ENGINEER APPROVED EQUAL.
   3/8"Ø x 2-1/2" MIN. EMBEDMENT.
   (1) ANCHOR PER FOOTPLATE, 40 FT-LBS TORQUE.
5. PERIODIC SPECIAL INSPECTION IS NOT REQUIRED DURING ANCHOR INSTALLATION. ANCHORS SHALL BE INSTALLED PER ICC ESR#3027.
6. EXISTING S.O.G. CONCRETE THICKNESS & COMPRESSIVE STRENGTH, 5" x 2500 PSI
7. SOIL BEARING PRESSURE 750 PSF.
8. ALL RACK INSTALLATIONS AND RACKS MANUFACTURED IN CONFORMITY WITH THIS STANDARD SHALL DISPLAY IN ONE OR MORE CONSPICUOUS LOCATIONS A PERMANENT PLAQUE EACH NOT LESS THAN 50 SQUARE INCHES IN AREA AND SHOWING THE MAXIMUM PERMISSIBLE UNIT LOAD IN CLEAR, LEGIBLE PRINT.
9. ALL RIVETS GR. 5 OR BETTER, INSTALL TO SNUG TIGHT FIT OR BETTER
10. ALL WELDING PERFORMED IN THE SHOP OF AN APPROVED FABRICATOR BY AWS CERTIFIED WELDERS USING E70XX ELECTRODE OR BETTER. NO FIELD WELDING PERFORMED. SPECIAL INSPECTION IS REQUIRED ONLY FOR ANY FIELD WELDING.
11. THE CLEAR SPACE BELOW SPRINKLERS SHALL BE A MIN. OF 18" BETWEEN TOP OF THE STORAGE AND THE CEILING SPRINKLER DEFLECTOR.
12. THE PRODUCT SHOWN ON THE DETAILS HEREIN IS ASSUMED TO BE IN GOOD, UNDAMAGED CONDITION. THE PRODUCT MUST BE FREE OF ANY DAMAGE AND/OR FABRICATION DEFICIENCIES OR IRREGULARITIES. IT IS THE RESPONSIBILITY OF THE OWNER, USER, PRODUCT PROVIDER AND/OR INSTALLER OF THE COMPONENTS TO NOTIFY SED, INC IN WRITING, OF ANY DAMAGE, DEFICIENCIES OR IRREGULARITIES.
13. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR USER OF THE COMPONENTS SHOWN HEREIN TO NOTIFY SED, INC OF ANY DAMAGE OR DEFICIENCIES IN THE SYSTEM DURING USE.THIS INCLUDES SUCH OCCURRENCES SUCH AS IMPACT DAMAGE TO THE COMPONENTS FROM FORKLIFT OR HEAVY MACHINERY, IMPACT FROM DROPPED LOADS ON THE SYSTEM, DAMAGE TO SYSTEMS BY IMPROPER USE OR INSTALLATION, ETC. THE USER OF THE PRODUCT MUST NOTIFY SED, INC IN WRITING SHOULD ANY DAMAGE OR DEFICIENCY OCCUR TO THE PRODUCT SHOWN HEREIN. IT IS THE RESPONSIBILITY OF THE OWNER AND/OR USER TO MAINTAIN THE SAFETY AND PROPER USE OF THE STORAGE PRODUCT SHOWN HEREIN.
14. IT IS THE RESPONSIBILITY OF THE OWNER/USER OF THE STORAGE SYSTEM SHOWN HEREIN TO REPAIR OR REPLACE ANY COMPONENT THAT IS DAMAGED OR OTHERWISE DEFICIENT.
15. THE OWNER SHALL MAINTAIN THE STRUCTURAL INTEGRITY OF THE RACK SYSTEM BY ASSURING PROPER OPERATIONAL, HOUSE KEEPING AND MAINTENANCE PROCEDURES, BUT NOT LIMITED TO THE FOLLOWING:
   a. PROHIBIT ANY OVER LOADING OF ANY PALLET POSITIONS AND OF OVERALL RACK SYSTEMS.
   b. REGULARLY INSPECT FOR DAMAGE. IF DAMAGE IS FOUND, IMMEDIATELY UNLOAD THE AFFECTED AREA AND REPLACE OR REPAIR ANY DAMAGED COLUMNS, BEAMS, OR OTHER STRUCTURAL COMPONENTS.
   c. REQUIRE ALL PALLETS TO BE MAINTAINED IN GOOD, SAFE, OPERATING CONDITION.
   d. ENSURE THAT PALLETS ARE PROPERLY PLACED ONTO PALLET LOAD SUPPORT MEMBERS IN PROPERLY STACKED AND STABLE POSITION.
   e. REQUIRE THAT ALL GOODS STORED ON EACH PALLET TO BE PROPERLY STACKED AND STABLE.
   f. PROHIBIT DOUBLE STACKING OF ANY PALLET POSITION, INCLUDING THE TOP MOST POSITION, UNLESS THE RACK SYSTEM IS SPECIFICALLY DESIGNED FOR SUCH LOADING.
   g. THE OWNER AND/OR USER OF THE RACK SYSTEM MUST PROVIDE MEASURES TO MITIGATE DAMAGE TO THE STORAGE RACK BY USE OF IMPACT PROTECTIVE DEVICES IN AREAS WHERE FORKLIFT AND/OR HEAVY MACHINERY ARE IN USE.
   h. ENSURE THAT THE RACKS ARE NOT MODIFIED OR REARRANGED IN A MANNER NOT WITHIN THE ORIGINAL DESIGN CONFIGURATION.

3



"L" POST

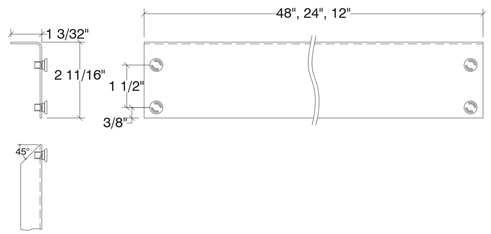
ATTACH POST TO FOOTPLATE
WITH (1) #14 TEK SCREW

NOTES:
USE @ ALL RIVETIER SHELVING CORNER
"L" POST LOCATIONS TYP.

DESCRIPTION	BASE PLATE: RSSFP 2-11/16"" X 1-15/16"
MATERIAL	14 GAGE THICK PLATE
STEEL YIELD	ASTM A36, Fy=36,000 PSI

DESCRIPTION	POST: RF ANGLE (LURH)
MATERIAL	14 GAGE STEEL
STEEL YIELD	ASTM A570, Fy=36,000 PSI

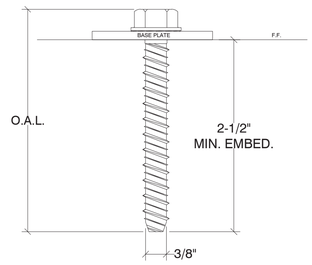
4



DESCRIPTION	DOUBLE RIVET BEAM (SS48", 24",12")
MATERIAL	14 GAGE
STEEL YIELD	ASTM A36, Fy=36,000 PSI

NOTES:
USE @ ALL BEAM LEVELS TYP.

5



NOTES:
CONFIRM O.A.L OF ANCHORS WITH INSTALLER TO ENSURE REQUIRED EMBEDMENT IS OBTAINED.

DESCRIPTION	HILTI KH-EZ SCREW ANCHOR
SIZE	3/8"Ø x 2-1/2" MIN. EMBED.
ESR#	3027

NOTE:
SEE NOTE #4 FOR ANCHOR SPECS.

SEE ATTACHED RETAIL FIXTURES SOLUTIONS INC DWG
FOR SHELVING ELEVATIONS.

DESCRIPTION	STORAGE RACK SHELVING

NORTH CAROLINA CERTIFICATE OF AUTHORIZATION
T&Z CONSULTING SERVICES, PLLC
No. P-1889

NORTH CAROLINA PROFESSIONAL
SEAL
027987
ENGINEER
MINGQIAO ZHU

04/10/2024

REVISION	REV.	DATE

T & Z CONSULTING SERVICES, LLC
STRUCTURAL ENGINEERING & DESIGN
1428 N. SHEVLIN COURT, BEWCKLEY, PA 15143
1815 WRIGHT AVE LA VERNE, CA 91750
PHONE 909.596.1351 FAX 909.596.7186

DICK'S SPORTING GOODS #1066
3500 GALLERIA DR
GREENVILLE, NC 27834

CLIENT RETAIL FIXTURE SOLUTIONS, INC
DATE 04/04/2024
DRWN BY JM
ENG. BY MQZ
MFG. M.M RIVET
TYPE RIVETIER SHELVING

JOB NO.
24-0404-21

SHEET NO.
SED 1 OF 1

SCOPE OF WORK

AN EXISTING DICK'S SPORTING GOODS STORE LOCATED AT 3500 GALLERIA DRIVE IN GREENVILLE, NC 27834 WILL BE RENOVATING THE FOOTWEAR STOCK. ONE NEW STOCK ROOM, THE FOOTWEAR STOCK ROOM, WILL BE ADDED. THE EXISTING BUILDING IS APPROXIMATELY 50,144 SQ. FT., TYPE IIB CONSTRUCTION, AND PROVIDED WITH FIRE SPRINKLER PROTECTION THROUGHOUT.

APPLICABLE CODES

- NORTH CAROLINA BUILDING CODE BUILDING CODE, 2018 EDITION (NCBC) WITH CITY OF GREENVILLE AMENDMENTS
- NORTH CAROLINA FIRE PREVENTION CODE, 2018 EDITION (NCFPC) WITH CITY OF GREENVILLE AMENDMENTS
- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13, "STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS," 2016 EDITION

HIGH-PILED STORAGE NOTES

HIGH-PILED COMBUSTIBLE STORAGE REQUIREMENTS OF NCFPC CHAPTER 32 APPLY TO THE NEW STORAGE AREA DUE TO THE STORAGE OF GROUP A PLASTICS GREATER THAN 6 FEET IN HEIGHT. THE NEW HIGH-PILED STORAGE AREAS WILL BE SEPARATED FROM THE EXISTING HIGH-PILED STORAGE AREAS USING MINIMUM ONE-HOUR FIRE BARRIERS WITH ONE-HOUR OPENING PROTECTIVES, AS REQUIRED BY NCFPC SECTION 3206.3.2. SEE HPS-2 FOR HIGH-PILED STORAGE PLANS.

THE EXISTING STOCK AREAS WILL NOT BE MODIFIED BY THE TENANT IMPROVEMENT. THE EXISTING HIGH-PILED STORAGE AREAS WILL BE SEPARATED FROM THE AREA MODIFIED AND THE EXISTING AREAS HAVE THEREFORE NOT BEEN INCLUDED IN THE ANALYSIS.

THE FOLLOWING GENERAL STORAGE CONFIGURATION INFORMATION IS REQUIRED BY THE NCFPC TO BE PROVIDED FOR ALL BUILDINGS CONTAINING HIGH-PILED COMBUSTIBLE STORAGE. ONLY THE AREAS DESIGNATED WILL CONTAIN HIGH-PILED STORAGE.

1. SPRINKLER SYSTEM DESIGN WILL PROVIDE AT LEAST 18 INCHES OF CLEARANCE BETWEEN TOP OF STORAGE AND THE SPRINKLER DEFLECTOR (NFPA 13 SECTION 8.6.6.1).
2. THE TOTAL AREA OF HIGH-PILED STORAGE WILL CONSIST OF HIGH-HAZARD COMMODITIES NOT EXCEEDING 2,500 SQ. FT. REFER TO SIZE OF HIGH-PILED STORAGE AREA.
3. FIRE DEPARTMENT ACCESS DOORS WILL NOT BE REQUIRED FOR THE HIGH-PILED STORAGE AREAS WITH HIGH-HAZARD COMMODITIES NOT EXCEEDING 2,500 SQ. FT. IN ACCORDANCE WITH NCFPC SECTION 3206.7
4. AISLES PROVIDING ACCESS TO EXITS WILL BE PROVIDED IN HIGH-PILED STORAGE AREAS EXCEEDING 500 SQ. FT., IN ACCORDANCE WITH NCFPC SECTIONS 3206.10.1 THROUGH 3206.10.3. AISLES SEPARATING STORAGE PILES OR RACKS WILL COMPLY WITH NFPA 13. AISLES WILL COMPLY WITH NCFPC CHAPTER 10.
    - 4.1. FOR SINGLE- AND DOUBLE-ROW RACK STORAGE OF PLASTIC COMMODITIES THE REQUIRED MINIMUM AISLE WIDTH IS 3 FEET 6 INCHES (NFPA 13 SECTION 17.1.2.2)
    - 4.2. AISLE WIDTHS WILL BE IN ACCORDANCE WITH NCFPC SECTION 3206.10.1.
        - 4.2.1. AISLES CROSSING RACK STRUCTURES OR STORAGE PILES, THAT ARE USED ONLY FOR EMPLOYEE ACCESS, WILL BE NOT LESS THAN 24 INCHES WIDE.
        - 4.2.2. ALL OTHER AISLE WIDTHS WILL NOT BE LESS THAN 44 INCHES.
        - 4.2.3. DEAD-END AISLES WILL NOT EXCEED 50 FEET IN LENGTH IN STORAGE AREAS.
5. SMOKE AND HEAT REMOVAL WILL NOT BE REQUIRED FOR HIGH-PILED STORAGE AREAS WITH HIGH-HAZARD COMMODITIES NOT EXCEEDING 2,500 SQ. FT. IN ACCORDANCE WITH NCFPC TABLE 3206.2.
6. PORTABLE FIRE EXTINGUISHERS WILL BE REQUIRED THROUGHOUT THE STORE IN ACCORDANCE WITH NFPA 10. ALL EXTINGUISHERS IN THE RETAIL AREAS WILL HAVE A MINIMUM 2-A:10-B:C RATING AND A MAXIMUM PROTECTION AREA OF 3,000 SQ. FT. PER EXTINGUISHER. MINIMUM CLASS 4-A EXTINGUISHERS WILL BE PROVIDED IN THE STOCK ROOM AREAS, WITH A MAXIMUM TRAVEL DISTANCE OF 75 FEET AND MAXIMUM PROTECTION AREA OF 4,000 SQ. FT. PER EXTINGUISHER. FIRE EXTINGUISHERS PROVIDED BY OTHERS. EXTINGUISHERS TO BE MOUNTED 3 FEET TO 5 FEET A.F.F. AND IDENTIFIED WITH A SIGN.
7. FLUE SPACES IN RACKS WILL BE LOCATED BETWEEN STORAGE LOADS AS FOLLOWS:
    - 7.1. RACK SHELF AREA SHALL BE LIMITED TO NO MORE THAN 20 SQ. FT. BETWEEN TRANSVERSE AND LONGITUDINAL FLUE SPACES AND AISLES (NFPA 13 SECTION 3.9.3.7.4)
    - 7.2. NOMINAL 6-INCH TRANSVERSE FLUE SPACES BETWEEN LOADS AND AT RACK UPRIGHTS SHALL BE MAINTAINED IN RACKS OF ALL TYPES (NCFPC TABLE 3208.3 AND NFPA 13 SECTION 17.1.9.2).
    - 7.3. IN DOUBLE-ROW RACKS, A LONGITUDINAL (BACK-TO-BACK CLEARANCE BETWEEN LOADS) FLUE SPACE IS NOT REQUIRED (NFPA 13 SECTION 17.1.9.1).
8. THE NUMBER OF TIERS WILL VARY. SEE [HPS-2][THIS SHEET][HPS-3][...] FOR RACK ELEVATION DETAILS.
9. FIRE ALARM AND DETECTION IS NOT REQUIRED FOR THE HIGH-PILED STORAGE AREA IN ACCORDANCE WITH NCFPC TABLE 3206.2.
10. HIGH-PILED STORAGE AREAS WILL BE NON-PUBLICLY ACCESSIBLE.
11. FIRE DEPARTMENT HOSE CONNECTIONS ARE NOT REQUIRED IN ACCORDANCE WITH NCFPC SECTION 3206.9.
12. FIRE PROTECTION OF STEEL COLUMNS IS NOT REQUIRED FOR STORAGE HEIGHT UP TO 15 FEET (NFPA 13 SECTION 17.1.4).

COMMODITY AND STOCK INFORMATION

1. HPS AREA #1 - RACK STORAGE
    - 1.1. RACK HEIGHT = 13 FEET.
    - 1.2. USABLE STORAGE HEIGHT = 15 FEET (CLASS I-IV AND GROUP A PLASTICS) HIGH-HAZARD COMMODITY.
    - 1.3. 5 TO 10 FEET OF CLEARANCE FROM TOP OF STORAGE TO CEILING.
    - 1.4. SHELVES AND RACKS ARE OPEN (WIRE MESH).
    - 1.5. SINGLE- AND DOUBLE-ROW RACKS UP TO 48 INCHES DEEP.
    - 1.6. MINIMUM AISLE WIDTH OF 44 INCHES.
2. COMMODITY STORAGE INFORMATION UTILIZING NFPA 13, THE FOLLOWING PARAMETERS ARE USED TO ESTABLISH THE FIRE PROTECTION CRITERIA.
    - 2.1. ALL COMMODITIES WILL NOT BE ENCAPSULATED OR BONDED.
    - 2.2. ALL COMMODITIES STORED ON RACKS IN THE STOCK AREA WILL NOT BE ON PALLETS AND WILL BE CARTONED.
    - 2.3. ALL GROUP A PLASTIC COMMODITIES ARE CONSIDERED NON-EXPANDED PLASTICS.
    - 2.4. RACKS WILL HAVE OPEN WIRE METAL SHELVES. THERE WILL BE NO SOLID SHELVES IN THE HIGH-PILED STORAGE RACKS.
    - 2.5. STORAGE OF OPEN-TOP CONTAINERS WILL NOT BE PERMITTED.

SIZE OF HIGH-PILED STORAGE AREA

1. THE SIZE OF HIGH-PILED STORAGE AREA WAS DETERMINED BY INCLUDING THE ENTIRE FLOOR AREA FOR THE FOOTWEAR STOCK ROOM WHICH IS SEPARATED BY MINIMUM ONE-HOUR FIRE BARRIERS WITH ONE-HOUR OPENING PROTECTIVES FROM OTHER HIGH-PILED STORAGE AREAS IN ACCORDANCE WITH NCFPC SECTION 3206.3.2.
2. FOR MULTIPLE STORAGE AREAS WITHIN THE BUILDING, THE AGGREGATE OF ALL HIGH-PILED STORAGE AREAS WITHIN A BUILDING ARE USED TO DESIGN THE FIRE PROTECTION FEATURES FOUND IN NCFPC TABLE 3206.2, UNLESS SUCH AREAS ARE SEPARATED FROM EACH OTHER BY A MINIMUM ONE-HOUR FIRE BARRIER WALL WITH ONE-HOUR OPENING PROTECTIVES.
3. THE DICK'S SPORTING GOODS STORE SIZE OF HIGH-PILED STORAGE AREA IS 1,506 SQ. FT.

SPRINKLER DESIGN CRITERIA

AREA/OCCUPANCY	TYPE OF STORAGE	USABLE STORAGE HEIGHT/DECK HEIGHT	REQUIRED PROTECTION	DESIGN STANDARD
HPS AREA 1	RACK STORAGE OF GROUP A PLASTICS (CARTONED, NON-ENCAPSULATED, UNEXPANDED AND STABLE), ON 13 FT. HIGH, OPEN WIRE MESH SHELVES.	15 FT. / FROM 24 FT. 0 IN. TO 24 FT. 5 IN.	HIGH TEMPERATURE-RATED (286°F) SPRINKLERS WITH A MINIMUM K-FACTOR OF 11.2 AND A DISCHARGE DENSITY OF 0.60 GPM/SQ. FT. OVER THE MOST REMOTE 2,000 SQ. FT. MAXIMUM CEILING SPRINKLER SPACING OF 100 SQUARE FEET. HOSE STREAM: 500 GPM OUTSIDE ALLOWANCE FOR 120 MINUTES.	NFPA 13 SECTIONS 12.6.3 AND 17.2.1, FIGURE 17.2.1.2.1(b), AND TABLES 8.6.2.2.1(d) AND 12.8.6.

1 SITE PLAN (FOR REFERENCE ONLY)
SCALE: NTS

NORTH

NORTH CAROLINA PROFESSIONAL SEAL 012915 ENGINEER MICHAEL W. BANHAM 4/19/24

SHEET INDEX

HPS-1 SITE PLAN & GENERAL NOTES
HPS-2 HIGH-PILED STORAGE PLANS & RACK DETAILS

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JH PROJECT NO.: 1BWJ240017.000.000

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Drawn By: HY
Date: Apr 18, 2024
Project No.: 1BWJ24017

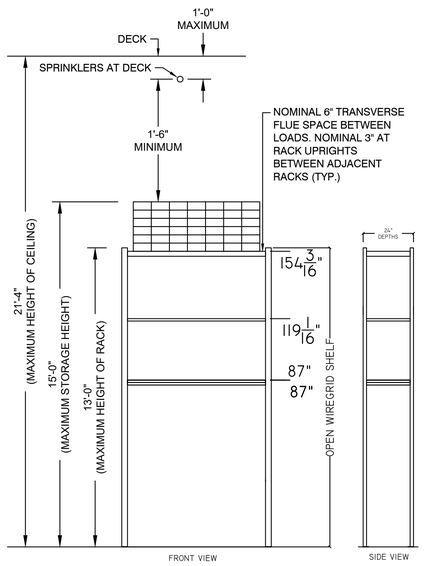
DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

SITE PLAN & GENERAL NOTES

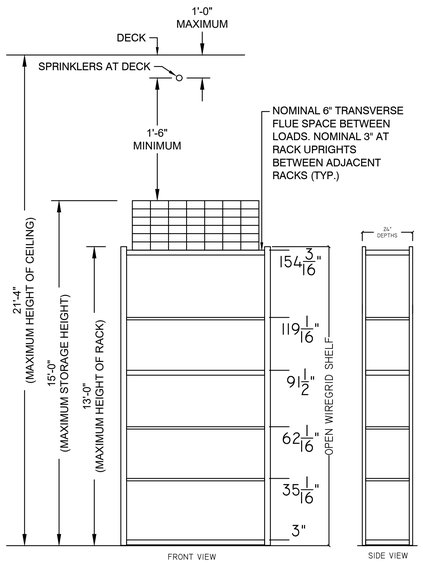
HPS-1

HATCHING LEGEND

HATCH	DESCRIPTION
	HPS AREA 1 - FOOTWEAR STOCK: HIGH-PILED STOCK AREA (HIGH-HAZARD COMMODITIES CARTONED UNEXPANDED GROUP A PLASTICS UP TO 15 FT. IN HEIGHT).
	STORAGE AREAS OUT OF SCOPE. AREAS ARE EXISTING AND SEPARATED.
	EXISTING STORE AREAS OUT OF SCOPE.



1 TYPICAL RACK ELEVATIONS
SCALE: NTS



2 TYPICAL RACK ELEVATIONS
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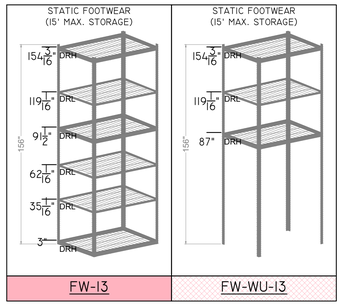
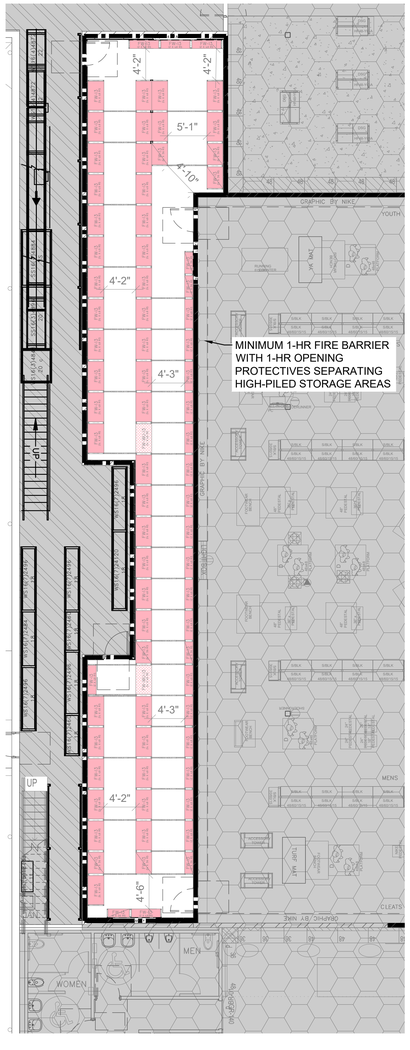
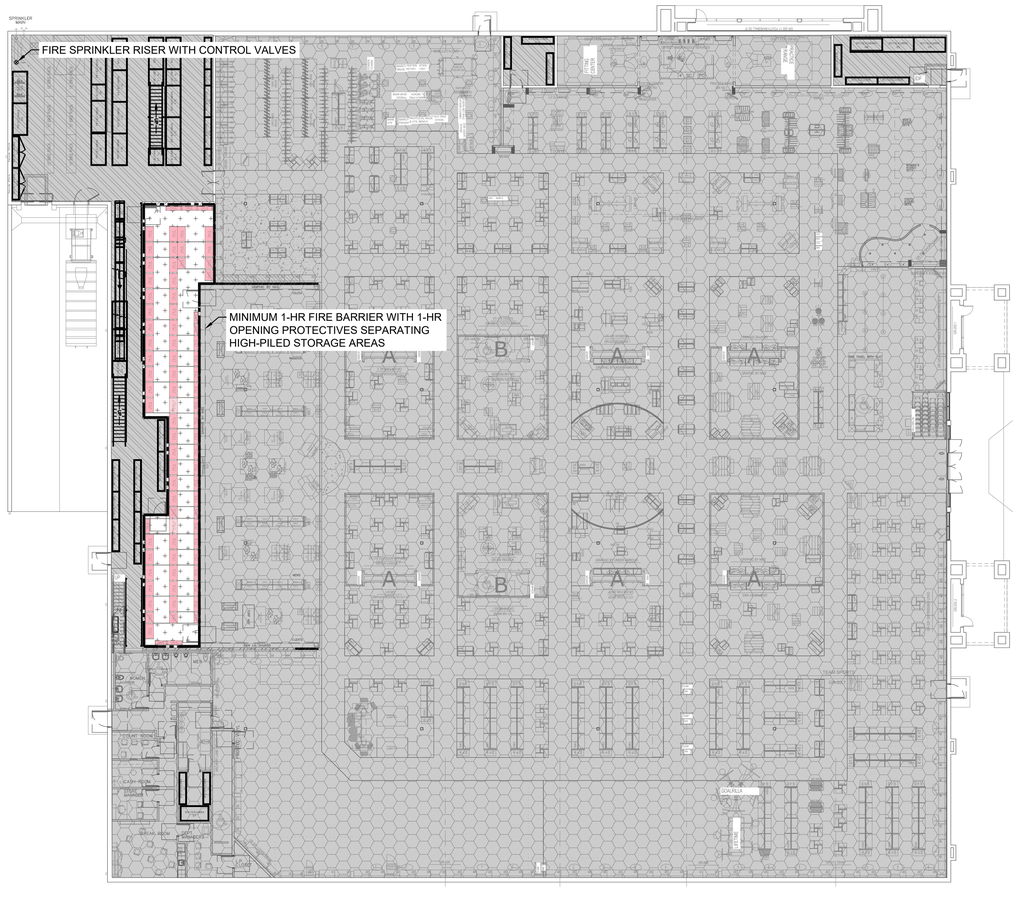


4 TYPICAL RACK DETAILS
SCALE: NTS



3 HIGH-PILED STORAGE PLAN - HPS AREA #1
SCALE: 1/8" = 1'-0"
NORTH



5 OVERALL HIGH-PILED STORAGE PLAN
SCALE: 1/16" = 1'-0"
NORTH

NORTH CAROLINA PROFESSIONAL SEAL 012915 ENGINEER MICHAEL W. BANHAM 4/19/24

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DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
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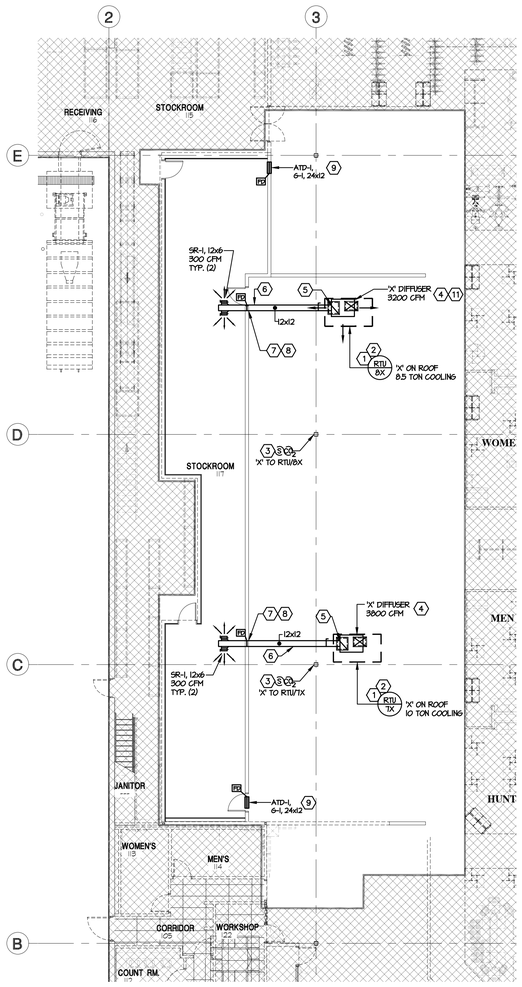
STORE #1066

HIGH-PILED STORAGE PLANS & RACK DETAILS

HPS-2



1 H.V.A.C. FLOOR PLAN
SCALE 3/32" = 1'-0"

DIFFUSER / GRILLE SCHEDULE

MARK	MANUFACTURER & MODEL #	CFM	NECK SIZE	FRAME TYPE	FACE TYPE	PATTERN	DAMPER	MATERIAL	SERVICE	FINISH	NOTES
SR-1	TITUS 300-RL	AS NOTED	AS NOTED	SURFACE	HORIZ. BAR	DOUBLE DEFLECTION	YES	STEEL	SUPPLY	OFF-WHITE	1
6-1	TITUS 350-RL	AS NOTED	AS NOTED	SURFACE	HORIZ. BAR	NA	NO	STEEL	TRANSFER	OFF-WHITE	1

NOTES:
1. DIFFUSER DESIGNATIONS ON PLANS AS FOLLOWS:
   GRILLE, REGISTER, OR DIFFUSER TYPE AS NOTED ABOVE
   AIR QUANTITY
   6-I, I2x12 400 CFM
   DIFFUSER NECK SIZE OR GRILLE/REGISTER SIZE.

H.V.A.C. GENERAL NOTES:

A. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING PROCESS AND FIELD VERIFY EXISTING CONDITIONS. CONTRACTOR SHALL TAKE ALL INTERFERENCES INTO CONSIDERATION. PROVIDE ALL NECESSARY OFFSETS OR TRANSITIONS WITH EQUIVALENT AREAS TO MATCH DUCT SIZES AS INDICATED ON DRAWINGS.

B. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, DOCUMENTS AND SERVICES RELATED TO INSTALLATION OF THE WORK.

C. CONTRACTOR IS RESPONSIBLE TO AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE LATEST STATE CODES, TOWNSHIP, AND NFPA, O.S.H.A., AND THE RULES AND REGULATIONS OF ALL CITY, STATE, AND FEDERAL AUTHORITIES HAVING JURISDICTION. PROVIDE OWNER WITH CERTIFICATES OF INSPECTION.

D. CONTRACTOR SHALL BE LICENSED, TRAINED AND CERTIFIED IN THE PROPER INSTALLATION OF MECHANICAL SYSTEMS, INCLUDING DUCTS, PIPING AND EQUIPMENT. UNCERTIFIED PERSONS MAY PERFORM MECHANICAL INSTALLATIONS ONLY WHEN UNDER DIRECT SUPERVISION AND RESPONSIBILITY OF A CERTIFIED INSTALLER OR LICENSED CONTRACTOR. VERIFICATION OF CERTIFICATION AND LICENSES ARE REQUIRED.

E. THESE DRAWINGS INDICATE THE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. ANY DIMENSIONS NOT SHOWN SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS. FOR EXACT LOCATIONS, HEIGHT, DOOR SWINGS, MOUNTING HEIGHTS, ETC. REFER TO ARCHITECTURAL DRAWINGS AND DETAILS.

F. PRIOR TO STARTING ANY WORK, PURCHASE OF EQUIPMENT, ETC. COORDINATE THE WORK WITH OTHER TRADES. CONFER WITH OTHER CONTRACTORS WHOSE WORK MIGHT AFFECT THIS INSTALLATION AND ARRANGE ALL PARTS OF THIS WORK AND EQUIPMENT OF OTHERS, WITH THE BUILDING CONSTRUCTION AND WITH ARCHITECTURAL FINISH.

G. CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR, EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.

H. DO ALL NECESSARY CUTTING AND ROUGH PATCHING. FINISH PAINTING, FINISH PATCHING AND POWER WIRING IS BY OTHERS.

I. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL MECHANICAL CEILING EQUIPMENT.

J. HVAC DUCTWORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH ASHRAE AND LATEST SMACNA STANDARDS. PROVIDE TURNING VANES IN ALL ELBOWS. DUCTWORK SHALL HAVE A MINIMUM PRESSURE CLASSIFICATION OF 2", SEAL CLASS C, WITH A MAXIMUM LEAKAGE RATE OF 5%.

K. PROVIDE A MANUAL BALANCING DAMPER AT ALL SUPPLY AND RETURN BRANCH TAKEOFFS, IN ACCESSIBLE LOCATION OR WITH ACCESS DOOR.

L. DUCTWORK DIMENSIONS NOTED ON DRAWINGS ARE EXTERIOR DIMENSIONS AND INCLUDE LINING.

M. INSTALL BOTTOM OF HORIZONTAL, EXPOSED DUCTWORK IN SALES AREAS AND STOCK ROOMS UP WITH-IN IN JOIST SPACE TO MAINTAIN MAXIMUM CLEARANCE.

N. THE BALANCING CONTRACTOR SHALL BALANCE AIR FLOW QUANTITIES TO WITHIN 5% OF THE DESIGN CONDITIONS LISTED ON PLANS. THIS CONTRACTOR SHALL INCLUDE ONE (1) ADDITIONAL SET OF BELTS AND SHEAVES AND REBALANCING FOR EACH SYSTEM FOR THE PROJECT. ALL OF THE ABOVE WORK SHALL BE AT NO ADDITIONAL COST TO THE OWNER.

O. ALL PIPING, DUCTS, VENTS, ETC., EXTENDING THROUGH WALLS AND ROOF SHALL BE FLASHED AND COUNTER-FLASHED IN A WATERPROOF MANNER.

P. SPRINKLER CONTRACTOR SHALL COORDINATE INSTALLATION OF SPRINKLER PIPING WITH DUCTWORK, LIGHTS, AND PARTITION LAYOUT. LIGHTS ARE NOT TO BE MOVED, SPRINKLER PIPING SHALL BE ROUTED AROUND LIGHTS AS REQUIRED.

Q. MECHANICAL CONTRACTOR SHALL PERFORM ROUTINE SERVICE INSPECTION OF EXISTING ROOFTOP UNIT TO BE REUSED FOR THIS PROJECT. LUBRICATE BEARINGS, SERVICE CONTROL SYSTEMS, REPLACE FAN BELTS AS REQUIRED, CLEAN AND COMB EVAPORATOR AND CONDENSER COILS, CLEAN CONDENSATE DRAIN AND PAN AND INSTALL NEW FILTERS AFTER COMPLETION OF CONSTRUCTION. ADD REFRIGERANT AS REQUIRED TO MEET MANUFACTURER'S RECOMMENDED OPERATING CHARGE. EQUIPMENT SHALL BE PLACED IN FULL OPERATION WITH CONTROLS CALIBRATED UPON COMPLETION OF PROJECT. SUBMIT A WRITTEN REPORT TO OWNER OF ANY MAJOR COMPONENT FAILURES OR ANTICIPATED COMPONENT FAILURES. REPORT SHALL INCLUDE COST INCLUDING LABOR TO SERVICE ALL ITEMS NOT OTHERWISE LISTED ABOVE.

R. CONTRACTORS BIDDING THIS PROJECT SHALL HAVE PRIOR EXPERIENCE WORKING IN THIS JURISDICTION AND MUST LIST ON BID FORM ANY LOCAL REQUIREMENTS THAT ARE NOT SHOWN ON THE DRAWINGS. SUBMISSION OF A BID SHALL BE EVIDENCE THAT THE CONTRACTOR'S BID INCLUDES ALL JURISDICTIONAL REQUIREMENTS.

S. THIS CONTRACTOR SHALL COMPLETE ALL DEMOLITION OF EXISTING MECHANICAL SYSTEMS AS INDICATED ON MECHANICAL AND ARCHITECTURAL PLANS OR AS NECESSARY FOR THE PROJECT. REMOVE FROM SITE AND DISPOSE OF ALL MATERIAL AND DEBRIS FROM THIS WORK IN A CODE AND EPA APPROVED MANNER.

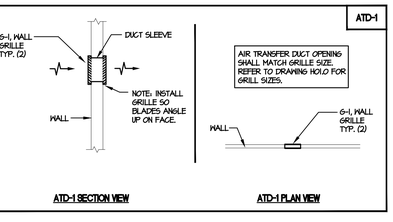
T. CONTRACTOR SHALL TAKE NOTE THAT NOT ALL NEW WORK CAN BE PERFORMED AT ONE TIME. CONTRACTOR SHALL COORDINATE ALL NEW WORK WITH STORE PHASING CONSTRUCTION PLAN. REFER TO ARCHITECTURAL PLANS.

H.V.A.C. CODED NOTES: ⬡

1. CONTRACTOR SHALL PERFORM ROUTINE SERVICE INSPECTION OF EXISTING ROOFTOP UNIT TO BE REUSED FOR THIS PROJECT. LUBRICATE BEARINGS, SERVICE CONTROL SYSTEMS, REPLACE FAN BELTS AS REQUIRED, CLEAN AND COMB EVAPORATOR AND CONDENSER COILS, CLEAN CONDENSATE DRAIN AND PAN, AND INSTALL NEW FILTERS AFTER COMPLETION OF CONSTRUCTION. ADD REFRIGERANT AS REQUIRED TO MEET MANUFACTURER'S RECOMMENDED OPERATING CHARGE. EQUIPMENT SHALL BE PLACED IN FULL OPERATION WITH CONTROLS CALIBRATED UPON COMPLETION OF PROJECT. SUBMIT A WRITTEN REPORT TO OWNER OF ANY MAJOR COMPONENT FAILURES OR ANTICIPATED COMPONENT FAILURES. REPORT SHALL INCLUDE COST INCLUDING LABOR TO SERVICE ALL ITEMS NOT OTHERWISE LISTED ABOVE.
2. EXISTING DUCT SMOKE DETECTOR(S) TO REMAIN TO SHUT DOWN ROOFTOP UNIT UPON ALARM.
3. EXISTING TEMPERATURE AND CARBON DIOXIDE SENSORS TO REMAIN.
4. CLEAN EXISTING DIFFUSER AND DUCTWORK FOR NEW PAINT. BALANCE DIFFUSER TO CFM INDICATED.
5. CONNECT NEW SUPPLY AIR BRANCH DUCT TO EXISTING SUPPLY DUCT MAIN BETWEEN ROOFTOP UNIT AND CONCENTRIC DIFFUSER. EXTEND BRANCH DUCTWORK AS INDICATED THRU GIRDER WEBBING. MODIFY EXISTING SUPPLY AIR DUCT MAIN TO DIFFUSER AND INSTALL MANUAL VOLUME DAMPER. REFER TO DETAIL ON THIS DRAWING.
6. ALL DUCTWORK ON SALES FLOOR SHALL BE DESIGNED AND INSTALLED INSIDE JOIST WEBBING TO MAINTAIN MAXIMUM CLEARANCE. IF THIS IS NOT ACHIEVABLE THEN ALL DUCTWORK SHALL BE DESIGNED AND INSTALLED TIGHT TO THE STRUCTURE ABOVE TO MAINTAIN MAXIMUM CLEARANCE. DUCT PENETRATIONS OF WALLS SHALL NOT BE INSTALLED BELOW THE PAINT BREAK LINE. IF THE CONTRACTOR IS IN DOUBT, SUBMIT AN RFI TO THE ARCHITECT OF RECORD FOR CLARIFICATION. COORDINATE DUCT LAYOUT WITH ALL OTHER TRADES. TYPICAL.
7. PROVIDE 2" TRIM FLANGE AROUND FULL PERIMETER OF EXPOSED DUCT PENETRATION ON BOTH SIDES OF WALL PENETRATIONS. CAULK FULL PERIMETER OF TRIM FLANGES AIR TIGHT. TYPICAL. TRIM FLANGE NOT REQUIRED IN LOCATIONS NOT VISIBLE AND ON SIDE OF WALL WHERE A SUPPLY REGISTER OR RETURN GRILLE IS INSTALLED.
8. DUCT PENETRATION SHALL BE ABOVE PAINT BREAK LINE.
9. AIR TRANSFER DUCT. REFER TO DETAIL ON THIS DRAWING. MOUNT BOTTOM OF AIR TRANSFER GRILLE AS HIGH AS POSSIBLE ABOVE FINISHED FLOOR. PAINT GRILLES TO MATCH ADJACENT WALL COLOR.
10. NO H.V.A.C. WORK DONE IN HATCHED AREA.
11. MODIFY CONCENTRIC DIFFUSER TO REMOVE REGISTER FACING NEW PARTITION WALL, INSTALL AIR TIGHT SHEET METAL BLANK-OFF AND RE-INSTALL REGISTER OVER SHEET METAL BLANK OFF.

	AFF	ABOVE FINISHED FLOOR
	ATD	AIR TRANSFER DUCT
	B'	BOTTOM OF
	CD	CEILING DIFFUSER
	CFM	CUBIC FEET PER MINUTE
	CONN.	CONNECT / CONNECTION
	CORR.	CORRIDOR
	CUH	CABINET UNIT HEATER
	DIA	DIAMETER
	DEG	DEGREES
	DLPD	DRUM LOUVER PLENUM DIFFUSER SYSTEM
	DWG	DRAWING
	EA	EXHAUST AIR
	EER	ENERGY EFFICIENCY RATIO
	EF	EXHAUST FAN
	EFF.	EFFICIENCY
	E.S.P.	EXTERNAL STATIC PRESSURE
	EXH.	EXHAUST
	G	GRILLE
	HP	HORSE POWER
	HTG	HEATING
	KW	KILOWATTS
	LD	LINEAR DIFFUSER
	MBH	THOUSAND BTU/HOUR
	MVD	MANUAL VOLUME DAMPER
	OA	OUTSIDE AIR
	OP. HT.	OPERABLE HEIGHT
	PRESS.	PRESSURE
	RA	RETURN AIR
	RO	ROOF OPENING
	RTU	ROOFTOP UNIT
	SA	SUPPLY AIR
	SP	STATIC PRESSURE
	SR	SUPPLY REGISTER
	T'	TOP OF
	TSTAT	THERMOSTAT
	TYP.	TYPICAL
	UH	UNIT HEATER
	UL	UNDERWRITER'S LABORATORY
	GC	GENERAL CONTRACTOR
	FPC	FIRE PROTECTION CONTRACTOR
	PC	PLUMBING CONTRACTOR
	MC	MECHANICAL CONTRACTOR
	EC	ELECTRICAL CONTRACTOR
— — — —	-G-	LOW PRESSURE GAS PIPING
	RPG-2#	REGULATED 2 PSI GAS PIPING
'X' OR		EXISTING TO REMAIN
'XR' OR		EXISTING TO BE REMOVED
'XA' OR		EXISTING TO BE ABANDONED IN PLACE
'XRL' OR		EXISTING TO BE RELOCATED
'XNL' OR		EXISTING, RELOCATED, SHOWN IN NEW LOCATION
	CO_2	CO-2 SENSOR TO BE FURNISHED BY MC. INSTALLED AND WIRED BY EC.
	NH	NOVAR GLOBAL HUMIDITY SENSOR. REFER TO ELECTRICAL DWGS FOR DETAILS.
	H	LENNOX HUMIDITY SENSOR. REFER TO ELECTRICAL DWGS FOR DETAILS.
	IT	NOVAR INDOOR TEMPERATURE SENSOR. REFER TO ELECTRICAL DWGS FOR DETAILS.
	S	NOVAR TEMPERATURE SENSOR. REFER TO ELECTRICAL DWGS FOR DETAILS.
	T	THERMOSTAT, FURNISHED BY MC. INSTALLED AND WIRED BY EC.
	THC	COMBINATION TEMPERATURE/RELATIVE HUMIDITY/CARBON DIOXIDE SENSOR FURNISHED BY MC. INSTALLED AND WIRED BY VENDOR 16.
	⬡	INDICATES CODED NOTE
	MD-X	MOTORIZED DAMPER, 120 VOLT
	FD	'UL' LISTED FIRE DAMPER WITH DUCT ACCESS DOOR
	SD	DUCT SMOKE DETECTOR TO SHUT DOWN UNIT UNDER ALARM. DETECTOR SHALL BE LOCATED, INSTALLED AND WIRED AS INDICATED ON FLOOR PLAN AND SPECIFICATIONS. ALL WIRING TO BE IN CONDUIT PER N.E.C.
	UC	UNDERCUT DOOR, REFER TO ARCHITECTURAL DRAWINGS.
	X/X	EQUIPMENT TAG
	$	ONE (1) HOUR TIMER WALL SWITCH, FURNISHED BY MC, INSTALLED AND WIRED BY EC.

5 H.V.A.C. LEGEND
SCALE: NONE



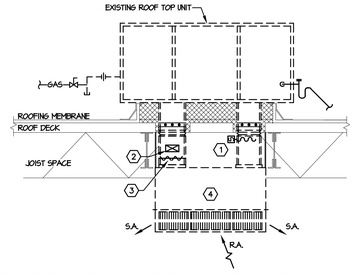
NOTES FOR ALL AIR TRANSFER DUCTS:
A. SEAL VOID BETWEEN WALL AND ALL DUCT PENETRATIONS AIRTIGHT.
B. ACOUSTIC LINE AIR TRANSFER DUCTS WITH 1/2" ACOUSTIC LINING. DUCT DIMENSIONS ARE EXTERIOR AND INCLUDE LINING.
C. ALL GRILLES SHALL BE FURNISHED WITH FRAMES COMPATIBLE WITH WALL OR CEILING CONSTRUCTION.
D. REFER TO MECHANICAL FLOOR PLANS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED GRILLES.
E. WHEN GRILLE IS ABOVE 10'-0" A.F.F. INSTALL GRILLE SO BLADES ANGLE UP ON FACE.
F. ALL GRILLES ON SALES FLOOR SHALL BE INSTALLED ABOVE PAINT BREAK LINE UNLESS INDICATED OTHERWISE ON FLOOR PLAN.

2 AIR TRANSFER DUCT DETAILS
SCALE: NONE

ELBOW WITH AIRFOIL TURNING VANES		ACOUSTIC LINED DUCT (NOTE #1)	DOUBLE SINGLE
BRANCH TAKE-OFF RECTANGULAR TO RECTANGULAR	45° MVD	BRANCH TAKE-OFF RECTANGULAR TO ROUND	45° MVD
BRANCH TAKE-OFF ROUND TO ROUND	MVD	SQUARE TO ROUND TRANSITION FITTING	30°
PROPORTION SPLIT	MVD	FLEXIBLE DUCT	BRANCH DUCT TO DIFFUSER MAX. LENGTH = 48"
MANUAL VOLUME DAMPER (MVD)		NOTES: 1. DASHED LINE INDICATES 1" INTERIOR ACOUSTIC LINING UNLESS OTHERWISE NOTED. DUCT SIZE IS EXTERIOR AND INCLUDES LINING.	

3 TYPICAL DUCT TAKE-OFF DETAIL
SCALE: NONE

CODED NOTES:
1. MAINTAIN EXISTING SMOKE DETECTOR IN RETURN AIR DUCT TO SHUT DOWN RTU UPON ALARM.
2. NEW BRANCH DUCT IN JOIST SPACE - SEE PLAN FOR LOCATION AND SIZE.
3. MODIFY EXISTING SUPPLY AIR DUCT DROP AND INSTALL MANUAL BALANCING DAMPER WITH LOCKING QUADRANT SIZED TO MATCH DUCT.
4. EXISTING CONCENTRIC DIFFUSER. BALANCE TO NEW SUPPLY AIR QUANTITY INDICATED ON H.V.A.C. FLOOR PLAN.



4 ROOFTOP AIR CONDITIONING UNIT DETAIL
SCALE: NONE

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

DESIGNER STATEMENT

I hereby certify that the design of this building complies with the mechanical systems, service systems and equipment requirements of the 2018 North Carolina State Building Code & Energy Conservation Code.

Signed _____

Date _____

McHenry & Associates Incorporated
MC&A
Consulting Engineers est. 1960
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SELF-DEVELOPED STORES
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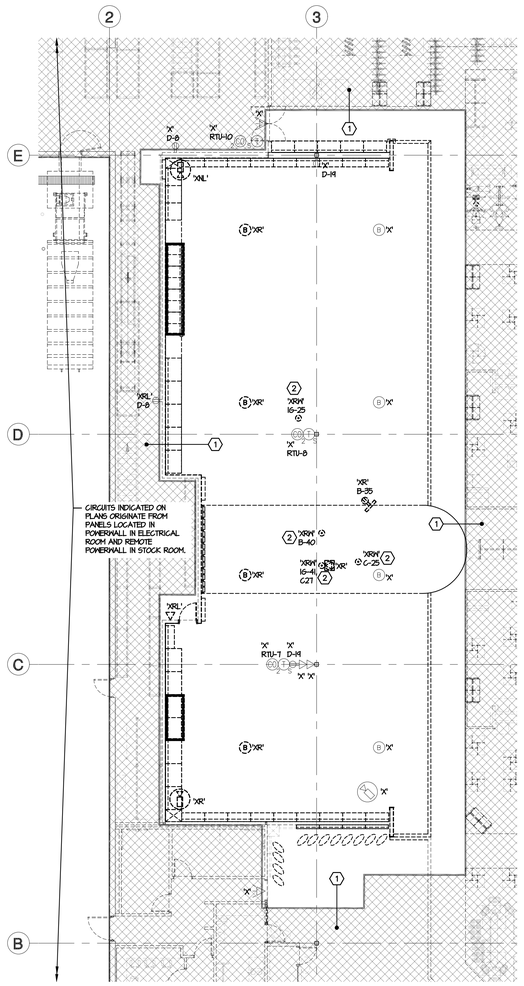
DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1088

Project No.:	24.0122
Drawn By:	MM
Date	Issue
04-19-24	BID/ PERMIT

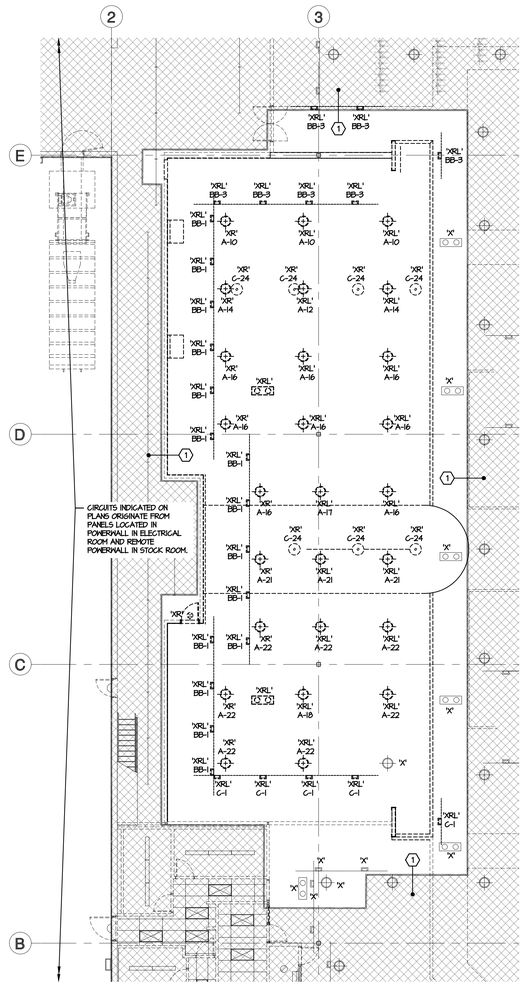
H1.0

H.V.A.C. FLOOR PLAN



1 POWER, TELEPHONE, SECURITY, SPECIAL SYSTEMS, DEMOLITION FLOOR PLAN

SCALE 3/32" = 1'-0"



2 LIGHTING DEMOLITION PLAN

SCALE 3/32" = 1'-0"

SYMBOL LIST

	HIGHBAY LIGHTING FIXTURE
	HIGHBAY NIGHTLIGHT FIXTURE
	TRACK HEAD LIGHT AND TRACK FIXTURE
	STRIP LIGHTING FIXTURE
	STRIP LIGHTING FIXTURE WITH EMERGENCY BATTERY DRIVER
	PENDANT MOUNTED EMERGENCY LIGHTING FIXTURE
	WALL MOUNTED EMERGENCY LIGHTING FIXTURE
	EXIT LIGHT FIXTURE
	EXIT LIGHT FIXTURE, WALL MOUNTED
	DATA CABLE LOCATION.
T S	TEMPERATURE SENSOR
CO2	CARBON DIOXIDE SENSOR
TH	COMBINED TEMPERATURE / RELATIVE HUMIDITY / CARBON DIOXIDE SENSOR
AP	ACCESS POINT IN CEILING.
FS	FIRE ALARM WALL MOUNTED VISUAL ONLY DEVICE
FA	FIRE ALARM WALL MOUNTED AUDIO/VISUAL DEVICE
FC	FIRE ALARM CEILING OR PENDANT MOUNTED AUDIO/VISUAL DEVICE

BA LEGEND

SYMB	DESCRIPTION
C	DOOR CONTACT
OR	CURTAIN MOTION
M	MOTION DETECTOR - 360 DEG CEILING MOUNTED
360° PIR	CEILING INFRARED SENSOR

CCTV LEGEND

SYMB	DESCRIPTION
	FIXED CAMERA
OR	CAMERA - PENDANT MOUNTED
PVM	PUBLIC VIEW MONITOR
	DEAD DROP

SPEAKER LEGEND

I	SPEAKER # IN ZONE
F	ZONE (A THROUGH G)
S	SPEAKER MOUNTED TO BOTTOM OF JOIST
VC	VOLUME CONTROL SPEAKER, CEILING MOUNT
	HORN SPEAKER
$V	VOLUME CONTROL SWITCH

GENERAL DEMOLITION NOTES:

A. THIS CONTRACTOR SHALL PERFORM ALL DEMOLITION OF EXISTING ELECTRICAL SYSTEMS AS INDICATED ON ELECTRICAL AND ARCHITECTURAL PLANS OR NECESSARY FOR THE PROJECT. REMOVE FROM SITE AND PROPERLY DISPOSE OF ALL MATERIAL AND DEBRIS FROM THIS WORK.

B. DEMOLITION DRAWINGS ARE GENERAL IN NATURE SHOWING THE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE QUANTITY OF LIGHT FIXTURES, DEVICES, OUTLETS, CONNECTIONS, ETC., REMOVE ALL LIGHT FIXTURES, EQUIPMENT AND DEVICES AS NOTED OR NO LONGER REQUIRED FOR FINISHED CONSTRUCTION. ALL EXISTING RELATED CONDUIT, WIRE AND DEVICES IN PROJECT AREAS SHALL BE REMOVED AND DISPOSED OF. REMOVE CONDUITS BEYOND NEW SURFACES. REMOVE ALL EXISTING WIRE FROM CONDUIT BACK TO POINT OF COMMON USE OR TO PANELS. LABEL EXISTING CIRCUIT BREAKERS "SPARE" IF NOT REUSED FOR NEW WORK.

C. DISCONNECT EXISTING EQUIPMENT IN BUILDING THAT IS TO BE REMOVED UNDER OTHER SECTIONS. REMOVE DATA AND PHONE CABLING SYSTEM AS DIRECTED BY OWNER. NO CABLES SHALL BE REMOVED OR CUT WITHOUT APPROVAL FROM OWNER. ANY EXISTING CABLES TO REMAIN SHALL BE SUPPORTED FROM STRUCTURE BEFORE CEILING REMOVAL.

D. PATCH ALL SURFACES TO MATCH SURROUNDING FOR DEVICES TO BE REMOVED FROM EXISTING WALLS TO BE MAINTAINED. EXISTING ROUGH-IN BOXES IN WALL TO REMAIN MAY BE REUSED IF CODE COMPLYING AND APPROVED FOR LOCATION BY ARCHITECT.

E. THE OWNER RESERVES THE RIGHT OF SALVAGE FOR ALL EXISTING ELECTRICAL EQUIPMENT PRIOR TO DEMOLITION, THE CONTRACTOR SHALL REVIEW ALL MATERIALS AND DELIVER TO THE OWNER THOSE REQUIRED IN THEIR EXISTING CONDITION. ALL OTHER MATERIAL SHALL BE REMOVED BY THIS CONTRACTOR.

F. ALL CIRCUITS WHICH ARE REQUIRED TO REMAIN ACTIVE SHALL BE MAINTAINED OR REWORKED AS REQUIRED. ANY EXISTING CIRCUITS OR CABLING SYSTEMS SERVING AREAS NOT AFFECTED BY DEMOLITION SHALL BE MAINTAINED. ALL CIRCUITS SHALL BE VERIFIED WITH EXISTING DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING DEMOLITION.

G. CONTRACTOR MAY OPTION TO REUSE WIRING WHEN FEASIBLE WHERE EQUIPMENT IS BEING REMOVED AND REPLACED IN THE SAME LOCATION. E.C. SHALL REFERENCE NEW WORK DRAWINGS TO SEE IF CIRCUITS ARE REUSED. IF WIRING IS IN ACCEPTABLE CONDITION, IT MAY BE USED TO REFEED NEW OR RELOCATED EQUIPMENT.

H. STORE TO REMAIN OPEN DURING DEMOLITION AND CONSTRUCTION. G.C. / E.C. TO GO OVER CONSTRUCTION PHASING SCHEDULE WITH DSG CONSTRUCTION MANAGER.

I. CONTRACTOR TO MAINTAIN ALL LOM VOLTAGE SYSTEM DEVICES THAT ARE NOT AFFECTED BY REMODEL. VERIFY QUANTITY AND LOCATION OF DEVICES IN THE FIELD. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.

DEMOLITION SYMBOLS:

'X' = INDICATES EXISTING DEVICE TO REMAIN.

'XR' = INDICATES EXISTING DEVICE TO BE REMOVED, INCLUDING ALL CONDUIT AND WIRING BACK TO PANEL OR POINT OF COMMON USAGE.

'XRL' = INDICATES EXISTING DEVICE TO BE REMOVED AND RELOCATED, EXTEND EXISTING WIRING AND REWIRE WITH LIKE KIND OR AS SHOWN ON DRAWING. CORRESPONDS WITH 'XRN'.

'XNL' = INDICATES NEW LOCATION OF RELOCATED EQUIPMENT. CORRESPONDS WITH 'XRL'.

'XRW' = INDICATES EXISTING DEVICE TO BE REWORKED. REWORK AS SHOWN OR REPLACE EXISTING DEVICE WITH NEW AND REWIREAS INDICATED.

'XRD' = INDICATES EXISTING DEVICE TO BE DISCONNECTED AND ALL CONDUIT AND WIRING TO BE REMOVED.

GTX = INDICATES CONNECT TO EXISTING CIRCUIT(S).

CODED NOTES: ⬡

1. ALL EXISTING ELECTRICAL POWER, LIGHTING, LOM VOLTAGE, SOUND, AND FIRE PROTECTION IN HATCHED AREA IS EXISTING TO REMAIN 'X'. MAINTAIN ALL EXISTING CONTROLS AND RELATED WIRING BACK TO PANELS OR POINT OF COMMON USAGE.

2. EXISTING FLOOR OUTLET TO BE DISCONNECTED AND CIRCUIT CAPPED AND LABELED SPARE WITH DETAILS ON LOCATION.

FOR ALL LIGHTING CIRCUITS THROUGHOUT THE SALES AREA, THE E.C. CAN OPTION TO REUSE, WHEREVER POSSIBLE, ANY EXISTING CONDUIT THAT IS IN CODE COMPLIANT CONDITION. ALL WIRING IS TO BE NEW FOR LIGHTING CIRCUITS, RECONNECT TO EXISTING CONTROLS AND ANY LIGHTING / EMERGENCY LIGHTING / EXIT SIGNS NOT SPECIFICALLY ADDRESSED SHALL BE RE-CIRCUITED TO NEARBY CIRCUITS PER THE CIRCUITING DESIGN SCHEME SHOWN. SUBMIT RFI WITH FIXTURE LOCATIONS TO ENGINEER OF RECORD IF CLARIFICATION IS NEEDED FOR ITEMS NOT ADDRESSED ON THIS DRAWING.

MICHAEL CRISLIP | ARCHITECT
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SELF-DEVELOPED STORES
All dimensions, conditions and requirements shown on referenced national accounts, is the sole responsibility of the General Contractor and Construction Manager to verify in the field. The Owner (Dick's Sporting Goods) has no scope of work and/or responsibility as such for this work. Plans are only for use with this project.

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1068

Project No.:	24.0122
Drawn By:	NA
Date	Issue
04-19-24	BID/ PERMIT

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

DESIGNER STATEMENT

I hereby certify that the design of this building complies with the mechanical systems, service systems and equipment requirements of the 2018 North Carolina State Building Code & Energy Conservation Code.

Signed _____

Date _____

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Email: mail@mchenryassociates.com
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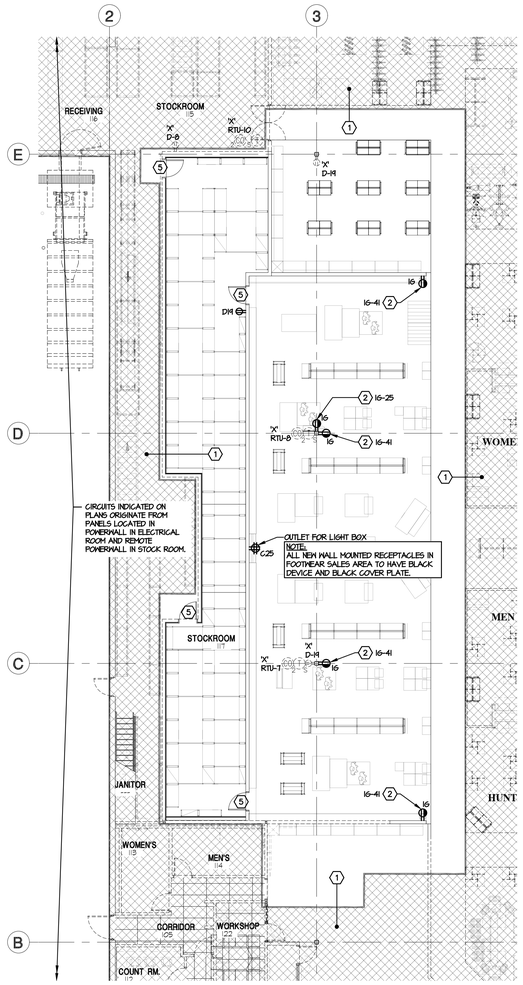
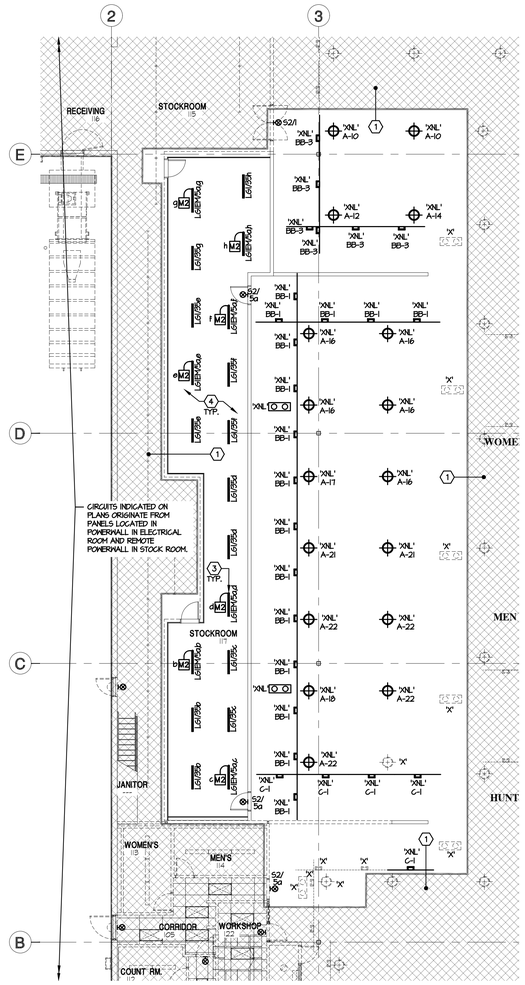
ED1.0

ELECTRICAL DEMOLITION PLANS



1 ELECTRICAL POWER PLAN

SCALE 3/32" = 1'-0"



2 LIGHTING & TRACK PLAN

SCALE 3/32" = 1'-0"

LEGEND	
$s,$c,$d — SWITCH LEG DESIGNATION	LIGHT FIXTURE TYPE; PANEL & CIRCUIT #; SWITCH LEG; EMERGENCY W/ BATTERY BACKUP; NIGHT LIGHT

NOTES:
1. SWITCH LEG DESIGNATIONS ARE MATCHED BETWEEN CONTROL DEVICES AND LIGHT FIXTURES LOCATED IN THE SAME ROOM UNLESS NOTED OTHERWISE. CONTACT ENGINEER IF CLARIFICATION IS REQUIRED.
2. SUBSCRIPT 'd' DENOTES AN UNSWITCHED HOT LEG "d" THAT MUST ALWAYS REMAIN ON TO EACH EMERGENCY BATTERY PACK AND EXIT SIGNS, SHOWN WIRED TO CONTROLLED LIGHTING CIRCUITS INDICATED ON PLANS. WHERE NOT NOTED AS "NL" FIXTURES SHALL BE ON CONTROLLED CIRCUIT.
3. ALL LIGHT FIXTURES ARE FED FROM PANEL "A" UNLESS OTHERWISE NOTED.

GENERAL LIGHTING NOTES:

A. ALL GENERAL LIGHTING CIRCUITS SHOWN ON THIS LIGHTING PLAN ARE FROM EXISTING PANEL 'A' LOCATED IN POWER WALL IN THE STOCK ROOM UNLESS NOTED OTHERWISE AND ALL CIRCUITS SHOWN ON TRACK LIGHTING PLAN ARE FROM PANEL 'C'.

B. ALL CIRCUITS SHOWN ON DRAWING ARE FOR REFERENCE ONLY. E.C. IS TO FIELD VERIFY NUMBER OF SPARE CIRCUIT BREAKERS AND SPACES IN EXISTING PANELS AND REUSE FOR NEW CIRCUITS SHOWN ON DRAWING. E.C. IS TO VERIFY LOADS ON PANELS AFTER DEMO OF EXISTING CIRCUITS AND ADDING NEW CIRCUITS TO PANELS. PROVIDE NEW CIRCUIT BREAKERS OR REUSE EXISTING IN PANELS. MATCH PANEL TYPES AND U.L. RATINGS.

C. E.C. SHALL FIELD VERIFY ALL EXISTING CIRCUITS SHOWN TO BE REUSED HAVE AMPLE LOAD CAPACITY FOR WORK INDICATED. E.C. SHALL VERIFY THAT EXISTING CONDITIONS ARE AS SHOWN ON DRAWINGS. IF A DISCREPANCY EXISTS THAT WILL AFFECT THE WORK, IT SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER.

D. ALL LIGHT FIXTURES ARE CONTROLLED BY ENERGY MANAGEMENT SYSTEM.

E. ELECTRICAL CONTRACTOR SHALL VERIFY THE PROPER MOUNTING HEIGHT OF THE EMERGENCY FIXTURES WITH THE LOCAL FIRE MARSHALL PRIOR TO INSTALLATION.

F. REFER TO DRAWING THIS DRAWING FOR ROOM/AREA NAMES.

G. SEE LIGHT FIXTURE SCHEDULE ON DRAWING E3.0.

H. ALL BRANCH CIRCUITS MORE THAN 100 FEET IN LENGTH FOR 120 VOLT CIRCUITS AND 200 FEET FOR 277 VOLT CIRCUITS SHALL BE MINIMUM #10 AWG.

I. REFER TO THIS DRAWING FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL LIGHT FIXTURES. COORDINATE WITH ARCHITECTS REFLECTED CEILING PLAN PRIOR TO ROUGH-IN.

J. ALL CONDUITS RUN IN EXPOSED CEILING AREAS SHALL BE RUN WITH STRUCTURE TIGHT TO UNDER SIDE OF ROOF DECKING IN ACCORDANCE WITH N.E.C., ARTICLE 300.4(E).

K. PROVIDE ADDITIONAL EXIT SIGNS TO MATCH EXISTING IN PROJECT AREA AS DIRECTED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

TRACK NOTES:

1. LOCATE TRACK LIGHTING AS SHOWN ON ARCHITECTS REFLECTED CEILING PLAN.
2. MOUNT ALL TRACK LIGHTING AT 16'-0" AFF. AT EXPOSED AREAS, UNLESS OTHERWISE NOTED.
3. ELECTRICAL CONTRACTOR TO VERIFY COUNTS OF TRACK FIXTURES.
4. INITIAL AIMING FOR FIXTURES MOUNTED AT 15'-6" - 16'-0" AFF., AIM LIGHT FIXTURES 40 DEGREES AS DIAGRAMMED, EMPHASIZING THE ADJACENT MERCHANDISE WALL DISPLAY AND BRANDING GRAPHICS, PERFORM FINAL AIMING ADJUSTMENTS AS DIRECTED BY DICK'S SPORTING GOODS AUTHORIZED REPRESENTATIVE.
5. TRACK SUPPORTS ARE TO BE 4'-0" ON CENTER WITH A SUPPORT LOCATED AT EACH TRACK END (OR PER LOCAL CODE). FACTORY PREDRILLED HOLES ARE NOT DESIGNATED SUPPORT HANGING POINTS AND WILL NOT PROVIDE THE PROPER SPACING.

DEMOLITION SYMBOLS:

'X' = INDICATES EXISTING DEVICE TO REMAIN.

'XR' = INDICATES EXISTING DEVICE TO BE REMOVED, INCLUDING ALL CONDUIT AND WIRING BACK TO PANEL OR POINT OF COMMON USAGE.

'XRL' = INDICATES EXISTING DEVICE TO BE REMOVED AND RELOCATED. EXTEND EXISTING WIRING AND REWIRE WITH LIKE KIND OR AS SHOWN ON DRAWING. CORRESPONDS WITH 'XRN'.

'XNL' = INDICATES NEW LOCATION OF RELOCATED EQUIPMENT. CORRESPONDS WITH 'XRL'.

'XRM' = INDICATES EXISTING DEVICE TO BE REMARKED. REMARK AS SHOWN OR REPLACE EXISTING DEVICE WITH NEW AND REMAREAS INDICATED.

'XRD' = INDICATES EXISTING DEVICE TO BE DISCONNECTED AND ALL CONDUIT AND WIRING TO BE REMOVED.

GTX = INDICATES CONNECT TO EXISTING CIRCUIT(S).

POWER GENERAL NOTES:

A. VOLTAGE DROPS ARE BASED ON FEEDER CONDUCTORS SIZED FOR A MAXIMUM VOLTAGE DROP OF 2% AT DESIGN LOAD. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3% AT DESIGN LOAD. THE CONTRACTOR SHALL USE THE FOLLOWING CHART TO SIZE BRANCH CIRCUITS:
FOR 20A BRANCH CIRCUITS ONLY:
ALL BRANCH CIRCUITS MORE THAN 75 FEET IN LENGTH FOR 120 VOLT CIRCUITS AND 200 FEET FOR 277 VOLT CIRCUITS SHALL BE MINIMUM #10 AWG.
ALL BRANCH CIRCUITS MORE THAN 150 FEET IN LENGTH FOR 120 VOLT CIRCUITS AND 400 FEET FOR 277 VOLT CIRCUITS SHALL BE MINIMUM #8 AWG.
ALL BRANCH CIRCUITS MORE THAN 225 FEET IN LENGTH FOR 120 VOLT CIRCUITS SHALL BE MINIMUM #6 AWG.
ALL BRANCH CIRCUITS MORE THAN 350 FEET IN LENGTH FOR 120 VOLT CIRCUITS SHALL BE MINIMUM #4 AWG.

B. ALL THERMOSTAT LOCATIONS SHALL BE APPROVED BY DICKS ON SITE REPRESENTATIVE.

C. ALL CONDUITS RUN IN EXPOSED CEILING AREAS SHALL BE RUN WITH STRUCTURE TIGHT TO UNDER SIDE OF ROOF DECKING IN ACCORDANCE WITH N.E.C. ARTICLE 300.4(E).

D. ALL ELECTRICAL PANELS ARE LOCATED IN POWER WALL IN ELECTRICAL ROOM.

CODED NOTES: ⬡

1. ALL EXISTING ELECTRICAL POWER & LIGHTING IN HATCHED AREA IS EXISTING TO REMAIN 'X'. MAINTAIN ALL EXISTING CONTROLS AND RELATED WIRING BACK TO PANELS OR POINT OF COMMON USAGE.
2. ELECTRICAL CONTRACTOR TO PROVIDE A SEPARATE INSULATED/ISOLATED GROUND CONDUCTOR FROM EACH ISOLATED GROUND RECEPTACLE BACK TO PANEL "I5".
3. STOCKROOM OCCUPANCY SENSOR TO BE INSTALLED DIRECTLY TO END OF FIXTURE VIA KNOCKOUT ON THE FIXTURE HOUSING.
4. MOUNT TYPE 'L61' AND 'L61EM' FIXTURES IN STOCK ROOM @ 15'-0" AFF BETWEEN SHELVING. E.C. SHALL PROVIDE UNISTRUT AT STRUCTURE ABOVE TO CHAIN-HANG FIXTURES AT HEIGHT INDICATED. PROVIDE CHAIN AND ALL NECESSARY MOUNTING HARDWARE. POWER SHALL BE ROUTED FROM JUNCTION BOX AT UNISTRUT DOWN THROUGH MC CABLE ZIP-TIED TO CHAIN TO FIXTURE (TYPICAL).
5. JUNCTION BOX FOR FIRE DOOR MAGNETIC HOLD-OPEN RELEASE. JUNCTION BOX AND 10VA VOLTAGE WIRING TO POWER SUPPLY AT FACP. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL NEW FIRE ALARM SYSTEM COMPONENTS, WIRING, ETC. IN ORDER TO CONNECT NEW HOLD OPEN DEVICE. REFER TO FIRE ALARM NOTES ON E2.0.

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

DESIGNER STATEMENT

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Signed _____

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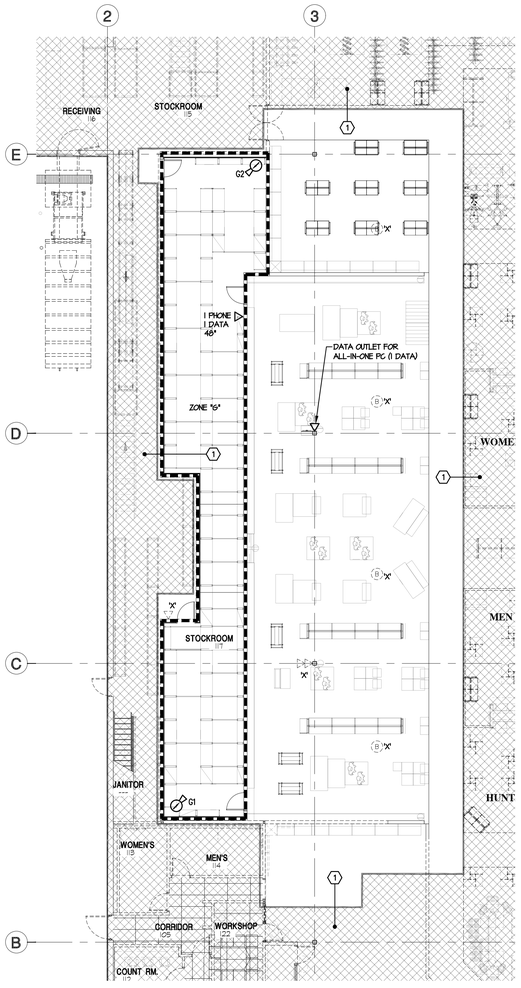
SELF-DEVELOPED STORES
All plans, details and designs are the property of the General Contractor and/or Owner and are not to be used on any other projects. The tenant (Dick's Sporting Goods) has no scope of work and/or responsibility in any of the plans, details and designs for the self-developed stores.

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

Project No.:	24.0122
Drawn By:	NA
Date	Issue
04-19-24	BID/ PERMIT

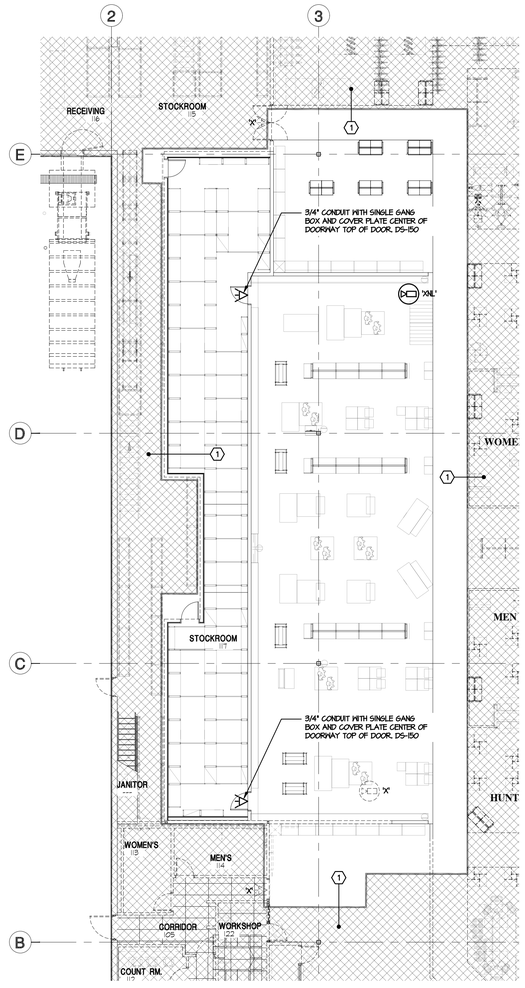
E1.0

POWER AND LIGHTING PLANS



1 LOW VOLTAGE SYSTEMS PLAN

SCALE 3/32" = 1'-0"



2 SECURITY PLAN

SCALE 3/32" = 1'-0"

COAXIAL CABLE:

1. ALL COAXIAL CABLES MUST BE INSTALLED FREE OF ANY SPLICES, KINKS, SHARP BENDS, OR PINCHED IN ANY FORM.
2. ALL COAXIAL CABLES IN RACK LOCATIONS MUST HAVE 15' OF SERVICE LENGTH.
3. ALL COAXIAL CABLES IN RACK LOCATIONS MUST BE LABELED WITH CORRESPONDING CABLE LETTER/NUMBER.
4. ALL COAXIAL CABLES MUST BE INSTALLED IN WALLS AT RACK LOCATIONS OR IN APPROPRIATE FIXTURE.
5. IN OPEN CEILING LOCATIONS COAXIAL CABLES MUST BE INSTALLED IN PARALLEL OR PERPENDICULAR TO "RED IRON" OR STRUCTURE AND CONCEALED AS WELL AS POSSIBLE.
6. NO COAXIAL CABLES CAN BE INSTALLED PARALLEL, WITHIN ONE FOOT, OF ANY POWER CONDUIT.

PHONE/PAGE WIRE:

1. PHONE/PAGE CABLE MUST BE INSTALLED FREE OF ANY SPLICES, KINKS, SHARP BENDS, OR PINCHED IN ANY FORM.
2. PHONE/PAGE CABLE MUST BE INSTALLED PARALLEL TO "RED IRON" OR STRUCTURE, AND CONCEALED AS WELL AS POSSIBLE IN OPEN CEILING AREAS.
3. ALL PHONE/PAGE CABLE IN RACK LOCATION MUST HAVE 15' SERVICE LENGTH.
4. ALL PHONE/PAGE CABLE MUST BE INSTALLED IN WALLS AT RACK LOCATIONS.
5. ALL PHONE/PAGE CABLE MUST BE LABELED WITH CORRESPONDING CABLE LETTER/NUMBER.
6. NO PHONE/PAGE CABLE CAN BE INSTALLED PARALLEL, WITHIN ONE FOOT, OF ANY POWER CONDUIT.

SPEAKER CABLE:

1. E.C. TO REMORK AND EXTEND EXISTING SPEAKER WIRING OR PROVIDE NEW AS REQUIRED TO ALL SPEAKERS SHOWN TO BE RELOCATED. MATCH EXISTING WIRING.
2. ALL SPEAKER CABLES MUST BE INSTALLED FREE OF ANY KINKS, SHARP BENDS, OR PINCHED IN ANY FORM.
3. ALL SPEAKER CABLE MUST BE INSTALLED PARALLEL TO "RED IRON" OR STRUCTURE, AND CONCEALED AS WELL AS POSSIBLE IN OPEN CEILING AREAS.
4. ALL SPEAKER CABLES IN RACK LOCATIONS MUST HAVE 15' SERVICE LENGTH.
5. ALL SPEAKER CABLES MUST BE INSTALLED IN WALL OR CONDUIT AT RACK LOCATIONS.
6. ALL SPEAKER CABLES MUST BE LABELED WITH CORRESPONDING CABLE LETTER/NUMBER.
7. NO SPEAKER CABLE CAN BE INSTALLED PARALLEL, WITHIN ONE FOOT, OF ANY POWER CONDUIT.
8. AT ALL SPEAKER LOCATIONS A FOUR FOOT INSTALLATION LOOP MUST BE LEFT FROM THE HEIGHT AT WHICH THE SPEAKER IS TO BE INSTALLED.
9. AT THE END OF CABLE RUNS, ONLY TWO FEET OF CABLE MUST BE LEFT BELOW SPEAKER INSTALLATION HEIGHT.

ELECTRICAL NOTES:

1. VENDOR #13 SHALL FURNISH AND INSTALL ALL A/V CABLES. CABLES SHALL BE LEFT UN-TERMINATED AT RACK WITH 15' SERVICE LENGTH.
2. VENDOR #13 SHALL FURNISH, INSTALL AND TERMINATE ALL SPEAKERS.
3. G.C. TO ACCEPT DELIVERY AND MAKE APPROPRIATE SECURE STORAGE ARRANGEMENTS FOR ALL A/V EQUIPMENT.

DEMOLITION SYMBOLS:

'X' = INDICATES EXISTING DEVICE TO REMAIN.

'XR' = INDICATES EXISTING DEVICE TO BE REMOVED, INCLUDING ALL CONDUIT AND WIRING BACK TO PANEL OR POINT OF COMMON USAGE.

'XRL' = INDICATES EXISTING DEVICE TO BE REMOVED AND RELOCATED, EXTEND EXISTING WIRING AND REWIRE WITH LIKE KIND OR AS SHOWN ON DRAWING. CORRESPONDS WITH 'XRN'.

'XNL' = INDICATES NEW LOCATION OF RELOCATED EQUIPMENT. CORRESPONDS WITH 'XRL'.

'XRW' = INDICATES EXISTING DEVICE TO BE REWORKED. REMORK AS SHOWN OR REPLACE EXISTING DEVICE WITH NEW AND REWIREAS INDICATED.

'XRD' = INDICATES EXISTING DEVICE TO BE DISCONNECTED AND ALL CONDUIT AND WIRING TO BE REMOVED.

GTX = INDICATES CONNECT TO EXISTING CIRCUIT(S).

TELEPHONE GENERAL NOTES:

A. MOUNT ALL WALL PHONES AT 48" AFF., UNLESS OTHERWISE NOTED

B. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

C. ALL DATA CABLING SHALL BE WIRED FROM THE MDF OR IDF TO THE END POINT BY VENDOR #13. VENDOR #13 SHALL PROVIDE THE DATA CABLING.

D. VENDOR LIST-
TELEPHONE/DATA - VENDOR #13
PAGING/AUDIO/VISUAL - VENDOR #5
SECURITY - VENDOR #14
BUILDING MANAGEMENT - VENDOR #18

E. SURFACE MOUNTING OF LOW VOLTAGE WIRING IS PROHIBITED. ALL WIRING TO BE IN CONDUIT AND CONCEALED IN WALLS. EXPOSED WIRING MAY BE RUN ABOVE CEILINGS AND IN JOIST SPACE.

F. 3/4"G WITH 4" BY 4" J-BOX WITH SINGLE GANG MUD RING AT EACH DATA LOCATION SHOWN. (TYPICAL OFFICE AREA AND SERVICE COUNTERS)

G. ALL CONDUITS FOR LOW VOLTAGE WIRING SHALL BE PROVIDED WITH BUSHINGS AND PULL STRINGS.

SECURITY GENERAL NOTES:

1. THE FOLLOWING GENERAL GUIDELINES SHALL BE FOLLOWED FOR WIRING INSTALLATION:
   a. WIRING SHALL BE APPROPRIATELY COLOR-CODED WITH PERMANENT WIRE MARKERS, COPPER CONDUCTORS SHALL BE USED.
   b. ALL CABLES, WHERE SUBJECT TO MECHANICAL DAMAGE, WIRING SHALL BE ENCLOSED IN METAL CONDUIT OR SURFACE METALLIC RACEWAY. (CHECK LOCAL CODES AND/OR AHJ AUTHORITIES FOR LOCAL REQUIREMENTS.)
   c. WIRE SIZE FOR FIRE INITIATING DEVICE CIRCUITS SHALL NOT BE SMALLER THAN 18 AWG SOLID, 14 AWG FOR SIGNALING LINE CIRCUITS (SLC).
   d. IDC OR SLC WIRES SHALL NOT BE ENCLOSED IN CONDUIT OR RACEWAYS CONTAINING "AC" WIRES. INSIDE CONTROL PANEL, "AC" WIRES MUST BE APPROPRIATELY SEPARATED.
   e. WHERE EMI MAY INTERFERE WITH THE PROPER OPERATION OF THE INITIATING CIRCUITS, TWISTED/SHIELDED CABLE SHALL BE USED.
5. FINAL LOCATION FOR CAMERAS SHALL BE VERIFIED BY LOSS PREVENTION DISTRICT MANAGER HOWARD DeVaglio (412) 780-6066.
6. E.C. SHALL PROVIDE 3/4"G (WITH PULL WIRE) FROM EACH SECURITY DEVICE TO ABOVE ACCESSIBLE CEILING. IF DEVICE IS LOCATED IN AN AREA WITHOUT CEILING, THIS E.C. SHALL STUB UP 3/4"G TO STRUCTURAL JOIST. ALL SECURITY WIRING SHALL BE PROVIDED AND INSTALLED BY SECURITY VENDOR #2. ALL WORK SHALL BE COORDINATED WITH SECURITY VENDOR PRIOR TO ROUGH-IN. TYPICAL THIS DWG.
7. SURFACE MOUNTING OF SECURITY SYSTEM WIRING IS PROHIBITED. ALL WIRING TO BE IN CONDUIT AND CONCEALED IN WALLS. EXPOSED WIRING MAY BE RUN ABOVE CEILINGS AND IN JOIST SPACE.

NOTE:

E.C. SHALL PROVIDE 3/4" CONDUIT (WITH PULL WIRE) FROM EACH SECURITY DEVICE TO ABOVE ACCESSIBLE CEILING. IF DEVICE IS LOCATED IN AN AREA WITHOUT CEILING, THE E.C. SHALL STUB UP 3/4" CONDUIT TO STRUCTURAL JOIST. ALL SECURITY WIRING SHALL BE PROVIDED AND INSTALLED BY SECURITY VENDOR. ALL WORK SHALL BE COORDINATED WITH SECURITY VENDOR PRIOR TO ROUGH-IN. TYPICAL THIS DRAWING.

CCTV INSTALLATION NOTES:

- CONTACT PROJECT MANAGER FRANCESCA CASLAR AT 561-494-3011 WITH ANY INSTALLATION QUESTIONS OR ISSUES.
- DICK'S DLPM MUST BE PRESENT TO VERIFY EOT LOCATIONS PRIOR TO INSTALLATION OF CAMERAS (CAN BE DONE AFTER CABLE PULL).
- ALL PVM'S AT DS6, F45 STORES ARE TO BE HUNG AT 8'6" A.F.F. 66XT STORES AT 12' A.F.F. EC TO PROVIDE POWER AND OUTLET TO BE INSTALLED AT BACK OF PVM.
- PENDANT, PIPE AND MOUNTS FOR ALL PVM'S TO BE PAINTED FLAT BLACK.
- ALL PENDANT MOUNTED CAMERAS ARE TO BE HUNG AT 12' A.F.F.
- PENDANT, PIPE AND MOUNTS FOR PENDANT MOUNTED CAMERAS WILL BE PAINTED THE COLOR OF THE CEILING - CHECK WITH THE SITE SUPER OR TYCO PM TO CONFIRM COLOR.
- ALLOW 25' OF SLACK AT EACH CAMERA.

FIRE ALARM NOTES:

A. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE DESIGN, RELOCATE EXISTING AND FURNISH AND INSTALL ALL NEW FIRE ALARM SYSTEM DEVICES REQUIRED TO MODIFY THE EXISTING FIRE ALARM SYSTEM AS REQUIRED FOR THE NEW FOOTWEAR AND FOOTWEAR STOCK ROOM LAYOUTS SHOWN ON PLANS. PROVIDE ALL SHOP DRAWINGS AND OBTAIN ALL APPROVALS REQUIRED FROM THE AHJ.

B. ELECTRICAL CONTRACTOR SHALL PROVIDE 3/4"G (WITH PULL WIRE) FROM EACH FIRE ALARM DEVICE TO ABOVE ACCESSIBLE CEILING. IF DEVICE IS LOCATED IN AN AREA WITHOUT CEILING, THIS ELECTRICAL CONTRACTOR SHALL STUB UP 3/4"G TO STRUCTURAL JOIST. ALL FIRE ALARM WIRING SHALL BE PROVIDED AND INSTALLED BY FIRE ALARM INSTALLER.

C. ELECTRICAL CONTRACTOR SHALL MAINTAIN ALL FACILITIES FOR THE EXISTING FIRE ALARM CONTROL PANEL AT THE TELEPHONE BACKBOARD IN THE ELECTRICAL ROOM.

D. ELECTRICAL CONTRACTOR SHALL PROVIDE THE DESIGN, RELOCATE EXISTING, AND FURNISH AND INSTALL ALL NEW CARBON MONOXIDE DETECTION SYSTEM DEVICES REQUIRED TO MODIFY THE EXISTING CARBON MONOXIDE DETECTION SYSTEM AS REQUIRED FOR THE NEW FOOTWEAR AND FOOTWEAR STOCK ROOM LAYOUTS SHOWN ON PLANS. PROVIDE ALL SHOP DRAWINGS AND OBTAIN ALL APPROVALS REQUIRED FROM THE AHJ.

NOTE:

THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE ELECTRICAL CONDUIT ROUGH-INS FOR ALL FIRE ALARM DEVICES PER NOTE '5' UNDER FIRE ALARM NOTES

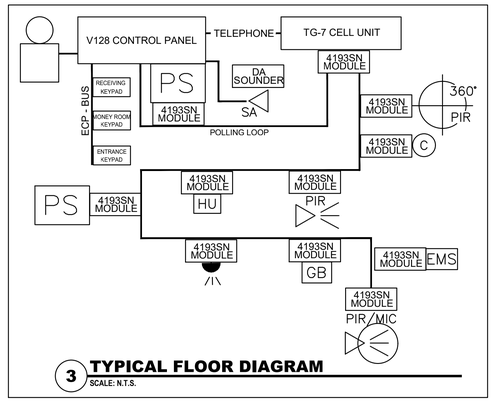
CODED NOTES: ⬡

1. ALL EXISTING ELECTRICAL LOW VOLTAGE, SOUND, AND FIRE PROTECTION IN HATCHED AREA IS EXISTING TO REMAIN 'X'. MAINTAIN ALL EXISTING CONTROLS AND RELATED WIRING BACK TO PANELS OR POINT OF COMMON USAGE.

NOTE:
VENDOR #2 TO COORDINATE ALL DEVICE LOCATIONS PRIOR TO ELECTRICAL CONTRACTOR INSTALLING CONDUIT.

NOTE:
VENDOR #13 TO COORDINATE ALL PHONE LOCATIONS PRIOR TO ELECTRICAL CONTRACTOR INSTALLING CONDUIT.

BA LEGEND		
2	⋖	CURTAIN MOTION



3 TYPICAL FLOOR DIAGRAM

SCALE: N.T.S.

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

DESIGNER STATEMENT

I hereby certify that the design of this building complies with the mechanical systems, service systems and equipment requirements of the 2018 North Carolina State Building Code & Energy Conservation Code.

Signed _____

Date _____

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Phone: 216-292-4696
Fax: 216-292-5874
Email: mail@mchenryassociates.com
North Carolina Certificate Number: C-0985

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Design and construction documents as instruments of service are given in confidence and remain the property of Michael Crislip, Architect. The use of this design and these construction documents for purposes other than the specific project named herein is strictly prohibited without expressed written consent of Michael Crislip, Architect.

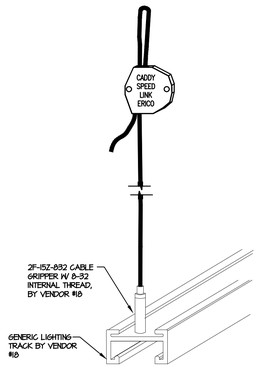
SELF-DEVELOPED STORES
All references to national accounts, or retailers, are for reference purposes only and are the sole responsibility of the General Contractor. Michael Crislip, Architect and its consultants have no knowledge of the Tenant Work by the Tenant (Dick's Sporting Goods) has no scope of work and/or responsibility as it pertains to the plans, and/or of the construction.

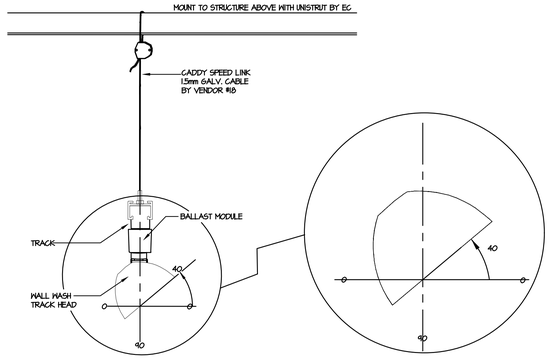
DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

Project No.:	24.0122
Drawn By:	NA
Date	Issue
04-19-24	BID/ PERMIT

E2.0

LOW VOLTAGE AND SECURITY PLANS

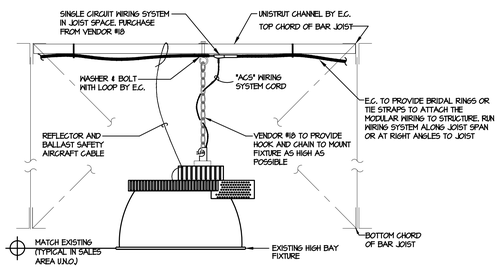




TRACK NOTES:

1. LOCATE TRACK LIGHTING AS SHOWN ON ARCHITECT'S REFLECTED CEILING PLAN.
2. MOUNT ALL TRACK LIGHTING AT 18'-0" AFF, AT EXPOSED AREAS, UNLESS OTHERWISE NOTED.
3. ELECTRICAL CONTRACTOR TO VERIFY COUNTS OF LED TRACK FIXTURES. LOCATE FIXTURES AS SHOWN ON DRAWING E1.0A. ELECTRICAL CONTRACTOR TO PROVIDE 5 ADDITIONAL FIXTURES FOR USE BY DICK'S SPORTING GOODS.
4. INITIAL AIMING FOR FIXTURES MOUNTED AT 15'-6" - 16'-0" AFF, AIM LIGHT FIXTURES 40 DEGREES AS DIAGRAMMED, EMPHASIZING THE ADJACENT MERCHANDISE WALL DISPLAY AND BRANDING GRAPHICS. PERFORM FINAL AIMING ADJUSTMENTS AS DIRECTED BY DICK'S SPORTING GOODS AUTHORIZED REPRESENTATIVE.
5. TRACK SUPPORTING CABLES ARE TO BE 4'-0" ON CENTER WITH A SUPPORT LOCATED AT EACH TRACK END (OR PER LOCAL CODE). FACTORY PREDRILLED HOLES ARE NOT DESIGNATED SUPPORT HANGING POINTS AND WILL NOT PROVIDE THE PROPER SPACING.

3 TRACK LIGHTING
DETAIL (OPEN CEILING)
SCALE: N.T.S.



NOTES:

1. BOLT HOOK TO UNISTRUT. DOUBLE NUT ALL THREADED CONNECTIONS. PROVIDE HOOK AND LOOP TO SUPPORT FIXTURE BY MEANS OF STEEL CHAIN. SUPPORT FIXTURE FROM UNISTRUT, COORDINATE METHOD OF FASTENING UNISTRUT TO TOP CHORD OF JOIST WITH STRUCTURAL ENGINEER PRIOR TO INSTALLATION. DO NOT DRILL OR WELD TO JOIST. ASSEMBLY SHALL SUPPORT FOUR TIMES THE FIXTURE WEIGHT.
2. WHERE FIXTURES OCCUR DIRECTLY BELOW BAR JOIST I.E. MAIN CENTER AISLE, PROVIDE JOIST CLAMP WITH HOOK AND CHAIN FOR FIXTURE MOUNTING TO JOIST.
3. ALL UNISTRUT SHALL BE PAINTED TO MATCH CEILING. REFER TO ARCHITECTURAL DRAWINGS.
4. E.C. SHALL INSTALL ALL LIGHTING IN ACCORDANCE WITH N.E.C.

1 HIGH BAY LUMINAIRE
INSTALLATION DETAIL
SCALE N.T.S.

SYMBOL LIST

	CONDUIT RUN IN OR BELOW FLOOR SLABS - MAINTAIN 2" MINIMUM CONCRETE COVER ABOVE CONDUIT
	CEILING OUTLET BOX AND FLUORESCENT LIGHTING FIXTURE.
	INDUSTRIAL OR STRIP FLUORESCENT LIGHTING FIXTURE. INDICATES "EM" - EMERGENCY BATTERY PACK REQUIRED.
	CEILING OUTLET BOX AND FLUORESCENT LIGHTING FIXTURE WITH "EM" - EMERGENCY BATTERY PACK REQUIRED.
	EMERGENCY LIGHTING FIXTURE, INTEGRAL BATTERY
	EXIT LIGHT FIXTURE
	EXIT LIGHT FIXTURE, WALL MOUNTED
GFI / 16	WALL OUTLET BOX AND 20 AMP DUPLEX RECEPTACLE. MOUNT 18" AFF., UNLESS NOTED. COLOR OF RECEPTACLE SHALL BE WHITE WITH WHITE COVER PLATE "TV" INDICATES CEILING MOUNTED TELEVISION RECEPTACLE. "VCR" INDICATES WALL MOUNTED VCR RECEPTACLE. "IG" INDICATES ISOLATED GROUND RECEPTACLE - ORANGE IN COLOR. "GFI" INDICATES GROUND FAULT INTERRUPTING RECEPTACLE. "WPG" INDICATES WEATHERPROOF GFI RECEPTACLE.
	TWO GANG WALL OUTLET BOX AND 20 AMP TWO DUPLEX RECEPTACLES.
	SPECIALTY TYPE SIMPLEX RECEPTACLE, 15 AMPERE, MOUNT AS INDICATED, HUBBELL 5235
	TELEPHONE LINE WALL OUTLET BOX AND PLATE WITH MINIMUM 3/4" CONDUIT TO ABOVE ACCESSIBLE FINISHED CEILING. PROVIDE PULL CORD. ANALOG LINE.
	DATA CABLE LOCATION.
J	PULL BOX, FLUSH MOUNTED OR ABOVE CEILING, UNLESS OTHERWISE NOTED. SIZE AS REQUIRED.
H FI	EQUIPMENT CONNECTION, WITH DESIGNATION FROM ELECTRIC EQUIPMENT AND CONTROL SCHEDULE
FI	LOCATION OF ONE OR MORE EQUIPMENT CONTROL DEVICES AS SCHEDULED ON ELECTRIC EQUIPMENT AND CONTROL SCHEDULE. NUMBER REFERS TO EQUIPMENT CONTROLLED
NF	NON FUSED DISCONNECT SWITCH, VOLTAGE TO MATCH EQUIPMENT SERVED.
F	FUSED DISCONNECT SWITCH, VOLTAGE RATING TO MATCH EQUIPMENT SERVED.
PB	EDWARD'S #600 - 48V BRASS WEATHERPROOF PUSH BUTTON E.C. TO INSTALL AND WIRE AT BACKDOOR.
B	EDWARD'S #340-465 - 24V AC 4" BELL WITH 120V AC / 24V AC TRANSFORMER. E.C. TO INSTALL AND WIRE AT BACKDOOR.
	SPECIAL PURPOSE RECEPTACLE AS REQUIRED. VERIFY EXACT LOCATION IN FIELD WITH DICK'S REPRESENTATIVE.
D	POWER CONNECTION TO LOCAL DOOR ALARM
	(2) DUPLEX RECEPTACLE OUTLETS, WITH FLUSH SQUARE 2 GANG CAST IRON FLOOR BOX. PROVIDE BRASS COVER PLATE - HUBBEL OR EQUAL
S	TEMPERATURE SENSOR
T	THERMOSTAT - PROVIDED BY MECH. CONTRACTOR. WIRED AND MOUNTED BY E.C. MTD. 4'-0" UNLESS NOTED OTHERWISE.
R	REVERSE ACTING THERMOSTAT - PROVIDED BY MECH. CONTRACTOR. WIRED AND MOUNTED BY E.C. MTD. 4'-0" UNLESS NOTED OTHERWISE.
	ONE HR. TIMER SWITCH FURNISHED BY MECH. CONTRACTOR, INSTALLED AND WIRED BY E.C.
#	CODED DRAWING NOTE
AFF	DIMENSION ABOVE FINISHED FLOOR TO BOTTOM OF DEVICE
GH	GLOBAL HUMIDITY SENSOR
H	HUMIDITY SENSOR
THC	COMBINED TEMPERATURE / RELATIVE HUMIDITY / CARBON DIOXIDE SENSOR
A	ANTENNA LOCATION
I	WIRELESS CALL BOX
$m	120/277V AUTOMATIC WALL SWITCH WITH OCCUPANCY SENSING AND TIMED SHUT OFF. WATT STOPPER MODEL #PW-101W. BY VENDOR #18
AP	ACCESS POINTS IN CEILING.
OS	ULTRASONIC CEILING MOUNT OCCUPANCY SENSOR - WATTSTOPPER #WB00A OR EQUAL (FOR USE WITH WATTSTOPPER #BZ-50 POWER PACK). BY VENDOR #18
M2	INFRARED CEILING MOUNT OCCUPANCY SENSOR - WATTSTOPPER #WB3500/MB-L3 OR EQUAL BI-DIRECTIONAL. BY VENDOR #18
SD	EDWARDS #642, 120V, PUSH BUTTON BY E.C. FOR FRONT OF STORE.
B	VIKING SR-1, 120V AC/13.8V AC 1.25A, WITH MODEL 25AE. BY E.C. FOR RETAIL FLOOR AND OFFICE SUITE.
	FLUSH SINGLE GANG CAST IRON FLOOR BOX FOR DATA / TELEPHONE CABLING. PROVIDE BRASS COVER PLATE - HUBBEL OR EQUAL
	CORD REEL WITH HUBBELL 5IEA VBLK CONNECTOR, WHITE WITH WHITE CORD. SIMILAR TO HUBBELL RHBLC25I12K (25' 12/3 SJT CABLE, RATED 20 AMPS) PROVIDED BY VENDOR #18
	DUAL CHAMBER POWER POLE WITH OUTLETS SHOWN ON PLANS, FOR POWER AND DATA/PHONE DROP TO EQUIPMENT. PROVIDE LENGTH AS REQUIRED. HUBBELL OR EQUAL. PAINT TO MATCH SURROUNDING SURFACES. COORDINATE WITH ARCHITECT.

GENERAL NOTES:

A. NO DUCTWORK OR PIPING TO BE RUN ABOVE ELECTRICAL PANELS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR EQUIPMENT LAYOUTS PRIOR TO ROUGH-IN OF ALL SYSTEMS

B. DEVICES IN THE FLOOR ARE NOT TO BE SCALED FROM THESE DRAWINGS. LOCATIONS SHALL BE VERIFIED WITH THE DICKS ON SITE REPRESENTATIVE AND OR DIMENSIONS TAKEN IN THE FIELD.

C. ELECTRICAL CONTRACTOR TO CONFIRM ALL REQUIREMENTS AND LOCATIONS OF ALL EXIT SIGNS, EMERGENCY LIGHTS AND FIRE ALARM DEVICES WITH LOCAL FIRE AUTHORITIES PRIOR TO ROUGH-IN.

D. ELECTRICAL CONTRACTOR TO CONFIRM LOCATIONS OF ALL ELECTRICAL DEVICES WITH FIXTURING LOCATIONS PRIOR TO ROUGH-IN.

E. ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT ELECTRICAL CHARACTERISTIC PRIOR TO ROUGH-IN.

F. VENDOR FOR ALL LIGHTING FIXTURES IS VENDOR #18.

G. CONDUIT ROUTING IS SHOWN ON DRAWINGS IN APPROXIMATE LOCATIONS UNLESS DIMENSIONED. UNLESS NOTED OTHERWISE, ALL CONDUIT SHALL BE CONCEALED. WHERE SHOWN EXPOSED, CONCEAL IN WALLS AT MAXIMUM HEIGHT POSSIBLE FOR RUNS TO FLUSH DEVICE BOXES.

H. NO ELECTRICAL ROUGH-IN BOXES ARE PERMITTED ON WALL GRAPHICS.

I. CONTRACTORS BIDDING THIS PROJECT SHALL HAVE PRIOR EXPERIENCE WORKING IN THIS JURISDICTION AND MUST LIST ON BID FORM ANY LOCAL REQUIREMENTS THAT ARE NOT SHOWN ON THE DRAWINGS. SUBMISSION OF A BID SHALL BE EVIDENCE THAT THE CONTRACTOR'S BID INCLUDES ALL JURISDICTIONAL REQUIREMENTS.

BRANCH CIRCUITING GENERAL NOTES:

A. ON 20 AMP, 1 POLE CIRCUITS, HOMERUNS SHALL BE 2 #12 AWG + #12 GND IN 3/4" CONDUIT MINIMUM (INCLUDE ADDITIONAL ISOLATED GROUND CONDUCTOR SIZED TO MATCH GROUND CONDUCTOR IS IDENTIFIED AS ISOLATED GROUND CIRCUIT). INCREASE WIRE SIZE AS REQUIRED PER VOLTAGE DROP TABLE ON THIS DRAWING.
   a. VOLTAGE DROPS ARE BASED ON FEEDER CONDUCTORS SIZED FOR A MAXIMUM VOLTAGE DROP OF 2% AT DESIGN LOAD. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3% AT DESIGN LOAD.

B. ALL CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL. SHARED NEUTRALS ARE NOT PERMITTED.

VOLTAGE DROP SCHEDULE

120 VOLT BRANCH CIRCUITS UP TO 10 AMPS

TOTAL WIRE LENGTH (FEET)	WIRE SIZE (AWG)
1' - 100'	#12
101' - 150'	#10
151' - 240'	#8
241' - 350'	#6

120 VOLT BRANCH CIRCUITS UP TO 14 AMPS

TOTAL WIRE LENGTH (FEET)	WIRE SIZE (AWG)
1' - 75'	#12
76' - 120'	#10
121' - 200'	#8
201' - 290'	#6

277 VOLT BRANCH CIRCUITS UP TO 16 AMPS

RUN DISTANCE IN FEET	WIRE SIZE AWG
1' - 160'	#12
161' - 255'	#10
256' - 360'	#8
361' - 560'	#6

MINIMUM LIGHTING CIRCUIT WIRING IS #12 AWG. CONTRACTOR SHALL INCREASE WIRE SIZE BASED ON SCHEDULE ABOVE.

LIGHTING FIXTURE SCHEDULE

SYMBOL	MARK	DESCRIPTION	CATALOG #	INPUT WATTAGE	REMARKS
⊗	S2	S6L FACE EXIT WITH EMERGENCY DRIVER	ELX-603-R-W	2W	MOUNTED AT 9'-6" AFF.
	L6I	4' LED STRIP	C48LV52W6700LVDMV40K	52W	
	L6IEM	4' LED STRIP WITH EMERGENCY DRIVER	C48LV52W6700LVDMV40K-EM	52W	PROVIDE EMERGENCY BATTERY DRIVER

MICHAEL CRISLIP | ARCHITECT
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216.223.3200 onyxcreative.com

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SELF-DEVELOPED STORES
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DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1066

Project No.:	24.0122
Drawn By:	NA
Date	Issue
04-19-24	BID/ PERMIT

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

DESIGNER STATEMENT

I hereby certify that the design of this building complies with the mechanical systems, service systems and equipment requirements of the 2018 North Carolina State Building Code & Energy Conservation Code.

Signed _____

Date _____

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Consulting Engineers est. 1980
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Fax: 216-292-5874
Email: mail@mchenryassociates.com
North Carolina Certificate Number: C-0985

E3.0

ELECTRICAL DETAILS, SCHEDULES & NOTES

PANEL A

VOLTAGE: 480/277 | MAINS: 225A M.L.O. | LOCATION: IFS SWITCHGEAR
PH & WIRES: 3P 4W | A/C RATING: EXISTING | FEEDER: SEE ONELINE DIAGRAM ON E6.0
BUSSING AMPS: 250A | MOUNTING: IN SWITCHBOARD | REMARKS: EXISTING PANEL TO BE MODIFIED AS SHOWN

	LOAD DESCRIPTION	KVA	P	AMP	CCT	KVA LOADS PH A	PH B	PH C	CCT	AMP	P	KVA	LOAD DESCRIPTION	
X,(L)	LTS – NIGHT/EMERG	1.51	1	20	1	4.54	----	----	2	20SB	1	3.02	LTS – CUSTOMER HID'S	X
X,(L)	LTS – NIGHT/EMERG	2.46	1	20	3	----	3.97	----	4	20SB	1	1.51	LTS – CUSTOMER HID'S	X
XRW,(L)	**LTS – NIGHT/EMERG**	**1.36**	**1**	**20**	**5**	----	----	2.87	6	20SB	1	1.51	LTS – EMPLOYEE HID'S	X
X,(L)	LTS – NIGHT/EMERG	1.13	1	20	7	3.40	----	----	8	20SB	1	2.27	LTS – CUSTOMER HID'S	X
X	SPARE	0.00	1	20	9	----	2.82	----	**10**	**20SB**	**1**	**2.82**	**LTS – CUSTOMER HID'S**	**XRW**
X	SPARE	0.00	1	20	11	----	----	1.89	12	20SB	1	1.89	LTS – EMPLOYEE HID'S	X
X	LTS – CUSTOMER HID'S	2.27	1	20SB	13	5.09	----	----	**14**	**20SB**	**1**	**2.82**	**LTS – CUSTOMER HID'S**	**XRW**
X	LTS – CUSTOMER HID'S	1.89	1	20SB	15	----	4.31	----	**16**	**20SB**	**1**	**2.42**	**LTS – CUSTOMER HID'S**	**XRW**
X	LTS – EMPLOYEE HID'S	1.51	1	20SB	17	----	----	3.02	18	20SB	1	1.51	LTS – EMPLOYEE HID'S	X
X	LTS – CUSTOMER HID'S	1.89	1	20SB	19	1.89	----	----	20	20SB	1	0.00	SPARE	X
XRW	**LTS – CUSTOMER HID'S**	**2.82**	**1**	**20SB**	**21**	----	5.24	----	**22**	**20SB**	**1**	**2.42**	**LTS – CUSTOMER HID'S**	**XRW**
X	LTS – CUSTOMER HID'S	1.89	1	20SB	23	----	----	3.78	24	20SB	1	1.89	LTS – CUSTOMER HID'S	X
X	LTS – EMPLOYEE HID'S	2.27	1	20SB	25	4.91	----	----	26	20SB	1	2.65	LTS – CUSTOMER HID'S	X
X	LTS – CUSTOMER HID'S	3.02	1	20SB	27	----	5.67	----	28	20SB	1	2.65	LTS – CUSTOMER HID'S	X
X	LTS – CUSTOMER HID'S	1.89	1	20SB	29	----	----	4.16	30	20SB	1	2.27	LTS – CUSTOMER HID'S	X
X	SPARE	0.00	1	20SB	31	0.00	----	----	32	20SB	1	0.00	SPARE	X
X	SPARE	0.00	1	20SB	33	----	0.00	----	34	20SB	1	0.00	SPARE	X
XRW,(L)	**LTS – EMPLOYEE STOCK ROOM**	**1.49**	**1**	**20SB**	**35**	1.96	----	----	36	20SB	1	0.00	SPARE	X
X	LTS – EMPLOYEE STOCK ROOM	1.96	1	20SB	37	----	1.96	----	38	20SB	1	0.00	SPARE	X
X	LTS–OFFICE AREA	1.98	1	20	39	----	----	1.98	40	20SB	1	0.00	SPARE	X
X	LTS – GOLF PRO SHOP	0.58	1	20	41	----	0.58	----	42	20SB	1	0.00	SPARE	X
	TOTAL AMPS			76.45		21.79	23.98	17.79	TOTAL KVA:			63.56		

NOTES:
(L) = PROVIDE LOCKING DEVICE FOR BREAKER
20SB = SWITCHABLE CIRCUIT BREAKER
X = INDICATES EXISTING CIRCUIT TO REMAIN
XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

LOAD SUMMARY	CONN.	DEMAND
LIGHTING	63.56	79.45
RECEPTACLE	0.00	0.00
EQUIPMENT	0.00	0.00
TOTAL	63.56	79.45
DEMAND AMPS		95.56

PANEL IG

VOLTAGE: 208/120 | MAINS: 50/3 M.C.B. | LOCATION: IFS SWITCHGEAR
PH & WIRES: 3P 4W | A/C RATING: EXISTING | FEEDER: SEE ONELINE DIAGRAM ON E6.0
BUSSING AMPS: 100A | MOUNTING: IN SWITCHBOARD | REMARKS: EXISTING PANEL TO BE MODIFIED AS SHOWN

	LOAD DESCRIPTION	KVA	P	AMP	CCT	KVA LOADS PH A	PH B	PH C	CCT	AMP	P	KVA	LOAD DESCRIPTION	
X	REC – CHECKOUTS	0.50	1	20	1	1.00	----	----	2	20	1	0.50	REC – CHECKOUTS	X
X	REC – CHECKOUTS	0.50	1	20	3	----	1.00	----	4	20	1	0.50	REC – CHECKOUTS	X
X	SPARE	0.00	1	20	5	----	----	0.00	6	20	1	0.00	SPARE	X
X	SPARE	0.00	1	20	7	0.00	----	----	8	20	1	0.00	SPARE	X
X	SPARE	0.00	1	20	9	----	0.10	----	10	20	1	0.10	EQ – EMP. TIME CLOCK	X
X	SPARE	0.00	1	20	11	----	----	0.40	12	20	1	0.40	REC – GEN. ACCESSORIES	X
X	SPARE	0.00	1	20	13	0.40	----	----	14	20	1	0.40	REC – GEN. ACCESSORIES	X
X	REC – HEAD CASHIER	0.60	1	20	15	----	0.60	----	16	20	1	0.00	SPARE	X
X	REC – STORE MGR. / DEPT. MGR.	0.72	1	20	17	----	----	0.92	18	20	1	0.20	EQ – ADT CELL BACK–UP	X
X	REC – DISTRICT MGR. OFFICE	0.40	1	20	19	0.80	----	----	20	20	1	0.40	EQ – SPECIAL SYSTEMS PHONE BD	X
X	REC – GOLF SWING ANALYZER	1.00	1	20	21	----	1.00	----	22	20	1	0.00	SPARE	X
X	REC – GOLF SWING ANALYZER	1.00	1	20	23	----	----	1.00	24	20	1	0.00	SPARE	X
XRW	**REC – ALL–IN–ONE PC**	**0.18**	**1**	**20**	**25**	0.28	----	----	26	20	1	0.10	EQ – ADT	X
X	REC – DATA MDF	0.20	1	20	27	----	0.30	----	28	20	1	0.10	REC – IDF1–1	X
X	REC – GOLF OUTLET	0.36	1	20	29	----	----	0.36	30	20	1	0.00	SPARE	X
X	SPARE	0.00	1	20	31	0.00	----	----	32	20	1	0.00	SPARE	X
X	SPARE	0.00	1	20	33	----	0.00	----	34	20	1	0.00	SPARE	X
X	REC – HUNTING LICENSE	0.36	1	20	35	----	----	0.36	36	20	1	0.00	SPARE	X
X	SPARE	0.00	1	20	37	0.18	----	----	38	20	1	0.18	REC – LODGE SCALE	X
X	SPARE	0.00	1	20	39	----	0.00	----	40	20	1	0.00	SPARE	X
XRW	**REC – FOOTWEAR SHOERUNNERS**	**0.72**	**1**	**20**	**41**	----	----	0.72	42	20	1	0.00	SPARE	X
	TOTAL AMPS			26.14		2.66	3.00	3.76	TOTAL KVA:			9.42		

NOTES:
X = INDICATES EXISTING CIRCUIT TO REMAIN
XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

LOAD SUMMARY	CONN.	DEMAND
LIGHTING	0.00	0.00
RECEPTACLE	8.62	8.62
EQUIPMENT	0.80	0.80
TOTAL	9.42	9.42
DEMAND AMPS		26.15

PANEL B

VOLTAGE: 208/120 | MAINS: 100/3 M.C.B. | LOCATION: IFS SWITCHGEAR
PH & WIRES: 3P 4W | A/C RATING: EXISTING | FEEDER: SEE ONELINE DIAGRAM ON E6.0
BUSSING AMPS: 225A | MOUNTING: IN SWITCHBOARD | REMARKS: EXISTING PANEL TO BE MODIFIED AS SHOWN

	LOAD DESCRIPTION	KVA	P	AMP	CCT	KVA LOADS PH A	PH B	PH C	CCT	AMP	P	KVA	LOAD DESCRIPTION	
X	EQ – DOOR OPERATOR	0.50	1	20	1	1.22	----	----	2	20	1	0.72	REC – CHECKOUTS	X
X	EQ – DOOR SENSORMATIC	0.50	1	20	3	----	1.22	----	4	20	1	0.72	REC – CHECKOUTS	X
X	SPARE	0.00	1	20	5	----	----	0.72	6	20	1	0.72	REC – CHECKOUTS	X
X	SPARE	0.00	1	20	7	0.00	----	----	8	20	1	0.00	SPARE	X
X	REC – SALES FLOOR	0.54	1	20	9	----	1.04	----	10	20	1	0.50	EQ – LODGE FLOOR OUTLETS	X
X	SPARE	0.00	1	20	11	----	----	1.00	12	20	1	1.00	EQ – LIVE BAIT COOLER	X
X	REC – SHOW WINDOW	0.36	1	20	13	1.86	----	----	14	20	1	1.50	EQ – ELECTRIC HAND DRYER	X
X	SPARE	0.00	1	20	15	----	1.50	----	16	20	1	1.50	EQ – ELECTRIC HAND DRYER	X
X	SPARE	0.00	1	20	17	----	----	1.50	18	20	1	1.50	EQ – ELECTRIC HAND DRYER	X
X	SPARE	0.00	1	20	19	1.50	----	----	20	20	1	1.50	EQ – ELECTRIC HAND DRYER	X
X	SPARE	0.00	1	20	21	----	1.00	----	22	20	1	1.00	EQ – BOWLING PRESS, BOW PRESS	X
X	SPARE	0.00	1	20	23	----	----	0.40	24	20	1	0.40	REC – GEN. ACCESSORIES	X
X	SPARE	0.00	1	20	25	0.40	----	----	26	20	1	0.40	REC – GEN. ACCESSORIES	X
X	SPARE	0.00	1	20	27	----	1.00	----	28	20	1	1.00	EQ – BAIT FREEZER	X
X	SPARE	0.00	1	20	29	----	----	0.00	30	20	1	0.00	SPARE	X
X	EQ – MAIN EQUIPMENT RACK	0.50	1	20	31	0.50	----	----	32	20	1	0.00	SPARE	X
X	REC – FRONT EXTERIOR	0.18	1	20	33	----	0.18	----	34	20	1	0.00	SPARE	X
XRW,(L)	**SPARE**	**0.00**	**1**	**20**	**35**	----	----	0.70	36	20	1	0.70	EQ – EF–4 & 5	X
X	EQ – PEPSI MACHINE	1.50	1	20	37	2.04	----	----	38	20	1	0.54	REC – SALES FLOOR	X
X	SPARE	0.00	1	20	39	----	0.00	----	**40**	**20**	**1**	**0.00**	**SPARE**	**XRW**
X	SPARE	0.00	1	20	41	----	----	0.00	42	20	1	0.00	SPARE	X
	TOTAL AMPS			49.35		7.52	5.94	4.32	TOTAL KVA:			17.78		

NOTES:
(L) = PROVIDE LOCKING DEVICE FOR BREAKER
X = INDICATES EXISTING CIRCUIT TO REMAIN
XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

LOAD SUMMARY	CONN.	DEMAND
LIGHTING	0.00	0.00
RECEPTACLE	4.58	4.58
EQUIPMENT	13.20	13.20
TOTAL	17.78	17.78
DEMAND AMPS		49.35

PANEL C

VOLTAGE: 208/120 | MAINS: 200/3 M.C.B. | LOCATION: IFS SWITCHGEAR
PH & WIRES: 3P 4W | A/C RATING: EXISTING | FEEDER: SEE ONELINE DIAGRAM ON E6.0
BUSSING AMPS: 250A | MOUNTING: IN SWITCHBOARD | REMARKS: EXISTING PANEL TO BE MODIFIED AS SHOWN

	LOAD DESCRIPTION	KVA	P	AMP	CCT	KVA LOADS PH A	PH B	PH C	CCT	AMP	P	KVA	LOAD DESCRIPTION	
X	LTS – CUSTOMER TRACKS	1.09	1	20SB	1	1.27	----	----	2	20SB	1	0.18	REC – MEN'S NIKE	X
X	LTS – CUSTOMER TRACKS	1.18	1	20SB	3	----	1.48	----	4	20SB	1	0.30	LTG – LODGE DISPLAY CASE	X
X	LTS – CUSTOMER TRACKS	1.01	1	20SB	5	----	----	1.37	6	20SB	1	0.36	REC – MEN'S UA	X
X	LTS – CUSTOMER TRACKS	0.94	1	20SB	7	1.10	----	----	8	20SB	1	0.16	EQ – STORE FRONT DOOR BELL	X
X	LTS – CUSTOMER TRACKS	0.94	1	20SB	9	----	0.94	----	10	20SB	1	0.00	SPARE	X
X	SPARE	0.00	1	20SB	11	----	----	0.00	12	20SB	1	0.00	SPARE	X
X	SPARE	0.00	1	20	13	0.00	----	----	14	20SB	1	0.00	SPARE	X
X	SPARE	0.00	1	20	15	----	0.00	----	16	20SB	1	0.00	SPARE	X
X	SPARE	0.00	1	20	17	----	----	0.00	18	20	1	0.00	SPARE	X
X	SPARE	0.00	1	20	19	0.50	----	----	20	20SB	1	0.50	LTS – FOOTWEAR GRAPHICS	X
X	LTS – CUSTOMER SERVICE COUNTER	0.50	1	20SB	21	----	1.00	----	22	20SB	1	0.50	LTS – FOOTWEAR GRAPHICS	X
X	SPARE	0.00	1	20SB	23	----	----	0.00	**24**	**20SB**	**1**	**0.00**	**SPARE**	**XRW**
1 XRW	**REC – FOOTWEAR LIGHTBOX**	**0.50**	**1**	**20SB**	**25**	0.50	----	----	26	20	1	0.00	SPARE	X
X	REC – FOOTWEAR DISPLAY	0.18	1	20SB	27	----	0.18	----	28	20	1	0.00	SPARE	X
X	SPARE	0.00	1	20SB	29	----	----	0.00	30	20	1	0.00	SPARE	X
X	EQ – MAIN EQUIPMENT RACK	0.50	1	20SB	31	1.70	----	----	32	20SB	1	1.20	EQ – HUNT / FISH TV'S	X
X	EQ – CHECKOUT TV'S	0.90	1	20SB	33	----	1.43	----	34	20	1	0.53	EQ – EF1	X
X	SPARE	0.00	1	20SB	35	----	----	0.53	36	20SB	1	0.53	EQ – EF2	X
X	SPARE	0.00	1	20SB	37	0.00	----	----	38	20SB	1	0.00	SPARE	X
X	SPARE	0.00	1	20SB	39	----	0.00	----	40	20SB	1	0.00	SPARE	X
X	SPARE	0.00	1	20SB	41	----	----	0.00	42	20SB	1	0.00	SPARE	X
	TOTAL AMPS			33.29		5.07	5.02	1.90	TOTAL KVA:			11.99		

NOTES:
20SB = INDICATES SWITCH RATED CIRCUIT BREAKER
X = INDICATES EXISTING CIRCUIT TO REMAIN
XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

LOAD SUMMARY	CONN.	DEMAND
LIGHTING	2.30	2.88
TRACK LIGHTING	5.15	36.00
RECEPTACLE	0.72	0.72
EQUIPMENT	3.82	3.82
TOTAL	11.99	43.42
DEMAND AMPS		120.51

480 TOTAL LINEAR FEET OF TRACK WIRED TO THIS PANEL. SEE LOAD SUMMARY

PANEL D

VOLTAGE: 208/120 | MAINS: 100/3 M.C.B. | LOCATION: IFS SWITCHGEAR
PH & WIRES: 3P 4W | A/C RATING: EXISTING | FEEDER: SEE ONELINE DIAGRAM ON E6.0
BUSSING AMPS: 100A | MOUNTING: IN SWITCHBOARD | REMARKS: EXISTING PANEL TO BE MODIFIED AS SHOWN

	LOAD DESCRIPTION	KVA	P	AMP	CCT	KVA LOADS PH A	PH B	PH C	CCT	AMP	P	KVA	LOAD DESCRIPTION	
X	REC – HUNT / FISH LODGE	0.18	1	20	1	1.26	----	----	2	20	1	1.08	EQ – HURRICANE SHUTTERS	X
X	SPARE	0.00	1	20	3	----	1.08	----	4	20	1	1.08	EQ – HURRICANE SHUTTERS	X
X	EQ – EWH1	1.00	2	20	5	----	----	2.08	6	20	1	1.08	EQ – HURRICANE SHUTTERS	X
		1.00			7	1.90	----	----	8	20	1	0.90	REC – STOCK ROOM	X
X	EQ – LOSS PREVENTION RECEPT	0.18	1	20	9	----	0.18	----	10	20	1	0.00	SPARE	X
X	EQ – LUNCH ROOM / COFFEE MACH.	1.20	1	20	11	----	----	1.40	12	20	1	0.20	REC – AUT. SINK FAUCET	X
X	EQ – LUNCH ROOM / MICROWAVE	1.20	1	20	13	2.00	----	----	14	20	1	0.80	REC – HEAD CASHIER OFFICE	X
X	REC – LUNCH ROOM / VENDING	1.00	1	20	15	----	1.60	----	16	20	1	0.60	REC – COUNT ROOM	X
X	REC – LUNCH ROOM / VENDING	0.70	1	20	17	----	----	1.42	18	20	1	0.72	REC – DEP. MGR. OFFICE	X
XRW	**REC – ATHLETIC FOOTWEAR**	**0.54**	**1**	**20**	**19**	1.04	----	----	20	20	1	0.50	EQ – WATER COOLER	X
X	REC – STORE MGR. OFFICE	0.72	1	20	21	----	1.22	----	22	20	1	0.50	EQ – WATER COOLER	X
X	EQ – DEPT. MGR. COPIER	0.70	1	20	23	----	----	0.70	24	20	1	0.00	SPARE	X
X	EQ – CUH–2	1.00	2	20	25	1.70	----	----	26	20	1	0.70	EQ – EF3	X
		1.00			27	----	2.00	----	28	20	2	1.00	EQ – CUH–1	X
X	REC – ROOF TOP RCPT.	0.54	1	20	29	----	----	1.54	30			1.00		
X	EQ – LINE WINDER	0.50	1	20	31	1.00	----	----	32	20	1	0.50	EQ – F.A.C.P.	(L)
X	REC – MEZZANINE	0.36	1	20	33	----	0.46	----	34	20	1	0.10	EQ – SECURITY PANEL	(L)
X,(L)	EQ – DELAYED EGRESS SYSTEM	0.10	1	20	35	----	----	0.30	36	20	1	0.20	EQ – TELEPHONE EQUIP.	(L)
X	SPARE	0.00	1	20	37	0.20	----	----	38	20	1	0.20	EQ – VENDOR J16 NOVAR EMS–1	X
X	SPARE	0.00	1	20	39	----	0.20	----	40	20	1	0.20	EQ – VENDOR J16 NOVAR EMS–2	X
X	SPARE	0.00	1	20	41	----	----	0.00	42	20	1	0.00	SPARE	X
	TOTAL AMPS			64.61		9.10	6.74	7.44	TOTAL KVA:			23.28		

NOTES:
(L) = PROVIDE LOCKING DEVICE FOR BREAKER
X = INDICATES EXISTING CIRCUIT TO REMAIN
XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

LOAD SUMMARY	CONN.	DEMAND
LIGHTING	0.00	0.00
RECEPTACLE	7.26	7.26
EQUIPMENT	16.02	16.02
TOTAL	23.28	23.28
DEMAND AMPS		64.82

GENERAL PANEL NOTES:

1. ALL PANEL SCHEDULES AND ELECTRICAL LOAD INFORMATION SHOWN ON THIS PLAN WERE OBTAINED FROM SITE SURVEY AND ARE TO BE VERIFIED IN FIELD PRIOR TO ADDING NEW LOADS TO PANELS.
2. DOCUMENTS ELECTRICAL CONTRACTOR SHALL BALANCE CURRENT IN ALL PANELS. MODIFY AND/OR ADJUST CIRCUITS AS REQUIRED.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE INDIVIDUAL NEUTRAL CONDUCTORS FOR ALL CIRCUITS PER NEC 200.4.
4. CIRCUITS SHOWN IN BOLD LETTERING ARE CIRCUITS AFFECTED BY REMODEL. ALL OTHERS ARE EXISTING TO REMAIN.
5. ALL CIRCUITS SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY. E.C. IS TO FIELD VERIFY NUMBER OF SPARE CIRCUIT BREAKERS AND SPACES IN EXISTING PANELS AND REUSE FOR NEW CIRCUITS SHOWN ON DRAWING. E.C. IS TO VERIFY LOADS ON PANELS AFTER DEMO OF EXISTING CIRCUITS AND ADDING NEW CIRCUITS TO PANELS. PROVIDE NEW CIRCUIT BREAKERS OR REUSE EXISTING IN PANELS. MATCH PANEL TYPES AND U.L. RATINGS.
6. E.C. SHALL FIELD VERIFY ALL EXISTING CIRCUITS SHOWN TO BE REUSED HAVE AMPLE LOAD CAPACITY FOR WORK INDICATED. E.C. SHALL VERIFY THAT EXISTING CONDITIONS ARE AS SHOWN ON DRAWINGS. IF A DISCREPANCY EXISTS THAT WILL AFFECT THE WORK, IT SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER.

CODED NOTES:

1. CONTROLLED OR SWITCHABLE CIRCUIT BREAKER FOR THIS NEW CIRCUIT IN PANEL IS TO BE CONTROLLED WITH CUSTOMER LIGHTING CONTROL GROUP BY EMS SYSTEM.

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

DESIGNER STATEMENT

I hereby certify that the design of this building complies with the mechanical systems, service systems and equipment requirements of the 2018 North Carolina State Building Code & Energy Conservation Code.

Signed _____

Date _____

McHenry & Associates Incorporated
MC&A
Consulting Engineers est. 1960
25001 Emery Road, Suite #200
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Phone: 216-292-4696
Fax: 216-292-5874
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SELF–DEVELOPED STORES
All rights reserved. Unpublished work. Any and all other rights reserved. All referenced national accounts, is the sole responsibility of the General Contractor and is not the responsibility of the Architect or Engineer. The tenant (Dick's Sporting Goods) has no scope of work and/or responsibility to work in, alter, or affect any of the mechanical, electrical, plumbing, fire protection, and/or structural systems.

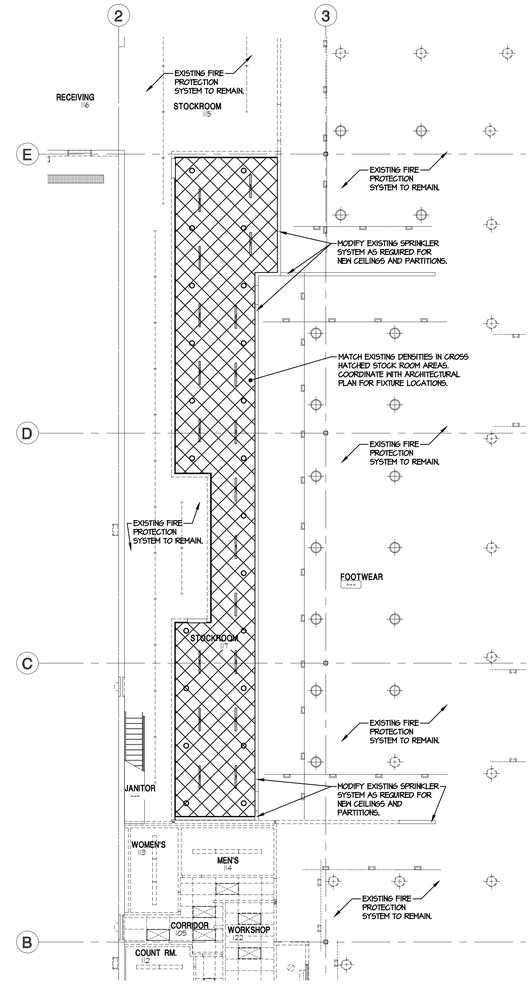
DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1088

Project No.: 24.0122
Drawn By: NA

Date	Issue
04-19-24	BID/ PERMIT

E4.0

PANEL SCHEDULES



1 FIRE PREVENTION PLAN

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

FIRE PROTECTION LEGEND

—F—	-FIRE PROTECTION PIPING
⊗	-RECESSED PENDANT SPRINKLER HEAD FOR AREAS WITH FINISHED TILED CEILINGS
⊲	-DRY SIDE WALL, HIGH TEMPERATURE SPRINKLER HEAD. DISPLAY ROOMS.
○	- UPRIGHT SPRINKLER HEAD
●	-CONCEALED PLATE SPRINKLER HEAD (IN AREAS WITH GYPBOARD CEILINGS)
⊙	-UPRIGHT SPRINKLER HEAD WITH PROTECTIVE CAGE (IN GOLF FITTING CENTER)
⊠	-DRY/ANTI-FREEZE CONCEALED PLATE SPRINKLER HEAD
X	-EXISTING TO REMAIN

HEAD TYPE	AREA
RECESSED PENDANT	AREAS WITH FINISHED TILED CEILINGS
UPRIGHT	EXPOSED AREAS
CONCEALED	SHEETROCK AND COFFERED VAULTED CEILINGS

FIRE PROTECTION NOTES:

A. MODIFY EXISTING FIRE PROTECTION SYSTEM AS REQUIRED FOR NEW CEILINGS AND PARTITIONS. FIRE PROTECTION CONTRACTOR SHALL PROVIDE NEW HEADS, PIPING, ETC., AS REQUIRED TO PROVIDE A CODE COMPLIANT SPRINKLER SYSTEM. CONTRACTOR SHALL VISIT SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF ANY WORK.

B. FIRE PROTECTION SYSTEM SHALL BE AN EXISTING WET SPRINKLER SYSTEM AND SHALL BE DESIGNED PER THE LATEST EDITION OF NFPA 13, FM AND ALL LOCAL AND STATE FIRE CODES.

C. REFER TO SPECIFICATIONS FOR HAZARD CLASSIFICATION AND ALL DESIGN DENSITIES.

D. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SPRINKLER HEADS.

E. A MINIMUM 8" CLEARANCE SHALL BE PROVIDED FROM THE BOTTOM OF THE SPRINKLER PIPING TO THE SUSPENDED CEILING.

F. PROVIDE AN INSPECTOR'S TEST CONNECTION WITH DRAINS LOCATED TO THE EXTERIOR OF THE BUILDING OR INTO SANITARY DRAINS OF ADEQUATE SIZE TO PERMIT FULL FLOW DRAIN TESTS.

G. NEW SPRINKLER PIPING TO BE INSTALLED WITHIN BAR JOISTS WITH MAINS INSTALLED TIGHT TO BOTTOM OF JOISTS. PITCH ALL PIPING FOR PROPER DRAINAGE.

H. FIRE EXTINGUISHERS SHALL BE AS SPECIFIED AND TO BE SET WITH WALL BRACKET. NUMBER AND LOCATIONS OF EXTINGUISHERS TO BE AS DIRECTED BY LOCAL FIRE MARSHAL. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.

I. ALL SPRINKLER PIPING AND HEADS SHALL BE INSTALLED TO PERMIT THE INSTALLATION OF ALL MECHANICAL AND ELECTRICAL SYSTEMS. SPRINKLER CONTRACTOR SHALL RELOCATE PIPING AND HEADS IF REQUIRED TO ACCOMMODATE MECHANICAL AND ELECTRICAL SYSTEMS.

J. NO WET SPRINKLER PIPING SHALL BE INSTALLED AT LOCATIONS SUBJECT TO FREEZING. PROVIDE ANTIFREEZE SYSTEM DRY PIPE SYSTEM FOR AREAS NOTED, VESTIBULES, DISPLAY WINDOWS OR ANY SPACE EXTERIOR OR NOT CLIMATE CONTROLLED.

K. THIS DRAWING IS INTENDED TO PROVIDE GENERAL LOCATIONS AND TYPES OF SPRINKLER HEADS, NOT ALL SPRINKLER HEADS ARE INDICATED ON THE DRAWING. SPRINKLER CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLER HEADS AS REQUIRED BY NFPA 13 AND LOCAL JURISDICTIONAL REQUIREMENTS.

L. SPRINKLER HEADS SHALL BE INSTALLED ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.

M. ALL PIPE PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRE STOPPED TO MAINTAIN FIRE RATING OF WALL.

N. ALL FIRE PROTECTION DRAWINGS, HYDRAULIC CALCULATIONS AND SUPPORTING DOCUMENTATION SHALL BE COMPLETED BY THE FIRE PROTECTION CONTRACTOR AND SUBMITTED TO LOCAL AUTHORITIES HAVING JURISDICTION AND TO DICK'S INSURANCE UNDERWRITER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF ANY PIPING OR SYSTEM COMPONENTS. REFER TO SPECIFICATIONS FOR DICK'S INSURANCE UNDERWRITER INFORMATION.

O. COORDINATE INSTALLATION OF SPRINKLER PIPING WITH DUCTWORK, LIGHTS, AND PARTITION LAYOUT. LIGHTS ARE NOT TO BE MOVED, SPRINKLER PIPING SHALL BE ROUTED AROUND LIGHTS AS REQUIRED.

P. HANGER NOTES:

1. PIPES LARGER THAN 4 IN. RUNNING PARALLEL TO BAR JOIST SHALL BE HUNG FROM TRAPEZE HANGERS SUPPORTED NEARLY EQUALLY BY TWO JOISTS.
2. ONLY ONE PIPE SHALL BE SUPPORTED FROM A SINGLE TRAPEZE HANGER UNLESS OTHERWISE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD.
3. HANGERS WITH MORE THAN 150 POUNDS OF LOAD SHOULD BE ATTACHED TO THE JOIST AT A PANEL POINT.
4. COORDINATE ALL HANGER TYPES AND LOCATIONS WITH THE STRUCTURAL ENGINEER OF RECORD.

THIS DRAWING IS FOR REFERENCE ONLY. FIRE PROTECTION CONTRACTOR FOR THIS PROJECT SHALL PROVIDE FULLY DETAILED SPRINKLER PLANS AND CALCULATIONS.

CONTRACTOR MUST VERIFY ALL CLEARANCES AND DIMENSIONS IN FIELD

DESIGNER STATEMENT

I hereby certify that the design of this building complies with the mechanical systems, service systems and equipment requirements of the 2018 North Carolina State Building Code & Energy Conservation Code.

Signed _____

Date _____

McHenry & Associates Incorporated
MC&A
Consulting Engineers est. 1960
25001 Emery Road, Suite #200
Warrensville Heights, Ohio 44128
Phone: 216-292-4696
Fax: 216-292-5874
Email: mail@mchenryassociates.com
North Carolina Certificate Number: C-0985

MICHAEL CRISLIP | ARCHITECT
25001 Emery Road, Suite 400
Cleveland, Ohio 44128
216.223.3200 onyxcreative.com

Design and construction documents as instruments of service are given in confidence and remain the property of Michael Crislip, Architect. The use of this design and these construction documents for purposes other than the specific project named herein is strictly prohibited without expressed written consent of Michael Crislip, Architect.

SELF-DEVELOPED STORES
All plans, details, and designs are the property of the General Contractor and/or Owner and are not to be used on referenced national accounts, in the sole responsibility of the General Contractor and/or Owner to obtain permission from the owner. The tenant (Dick's Sporting Goods) has no scope of work and/or responsibility as it pertains to plans, specifications, or the construction.

DICK'S SPORTING GOODS
3500 GALLERIA DRIVE
GREENVILLE, NC 27834
STORE #1068

Project No.:	24.0122
Drawn By:	AML
Date	Issue
04-19-24	BID/ PERMIT

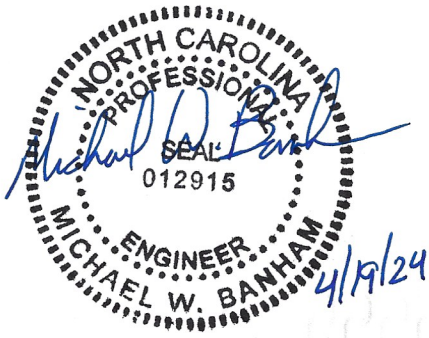
FP1.0

FIRE PREVENTION PLAN

REPORT

DICK'S SPORTING GOODS HIGH-PILED STORAGE REPORT

Greenville, North Carolina #1066



PREPARED FOR

Dick's Sporting Goods
345 Court Street
Coraopolis, PA 15108, USA

Project #: 1BWJ24017
Date: April 19, 2024

PREPARED BY

Blake Johnson, PE (CA)
11545 West Bernardo Court, Suite 300
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CAROLINA SPECIALTY ENGINEERING, P.C.

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Revision Record Summary

Revision	*Revision Summary*
0	Initial use

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1.0 Introduction

The existing Dick's Sporting Goods store #1066 located at 3500 Galleria Drive in Greenville, North Carolina will be adding a new footwear stock room with high-piled storage. Jensen Hughes has evaluated the proposed high-piled storage areas and commodity classifications of the new stock areas to establish the automatic sprinkler design requirements and other fire protection system criteria for compliance with the 2018 Edition of the North Carolina Fire Prevention Code with City of Greenville amendments.

2.0 Applicable Codes and Standards

The following codes and standards are applicable to this project:

- North Carolina Building Code, 2018 Edition (NCBC) with City of Greenville amendments.
- North Carolina Fire Prevention Code, 2018 Edition (NCFC) with City of Greenville amendments.
- National Fire Protection Association (NFPA) 13, "Standard for the Installation of Sprinkler Systems," 2016 Edition.

3.0 Building Description

The building is a single-story non-separated mixed-use occupancy with mercantile (Group M) and storage (Group S-1) space in accordance with NCBC Section 508.3. Rated separation between the occupancies will not be required (NCBC Section 508.3.3). The building is Type IIB construction. The ceiling height in the new high-piled storage area will range from 24 feet to 24 feet 5 inches.

The building area consists of approximately 50,144 gross square feet within four main areas: sales floor, office areas, main floor storage, and mezzanine. A breakdown of the areas is shown in Table 1.

Table 1 – Building Areas

Building Space	*Gross Area (Square Feet)*
Sales Floor	42,601
Office Areas	876
Main Floor Storage	5,611
Mezzanine	1,056
Total Gross Building Area	50,144

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4.0 High-Piled Storage Requirements

High-piled combustible storage requirements of NCFC Chapter 32 apply to the new high-piled storage area due to the storage of Group A plastics above 6 feet in height. The stock rooms will be non-publicly accessible and separated from the existing high-piled storage areas using minimum 1-hour fire barriers with 1-hour opening protectives, as required by IFC Section 3206.3.2.

The new stock area containing high-piled storage will be identified as Footwear Stock Room.

General storage requirements of NCFC Chapter 32 are summarized in the following subsections and each requirement will be met.

4.1 COMMODITY CLASSIFICATION AND STORAGE CONFIGURATION

Commodity classifications and storage configurations for the existing storage areas will not be modified.

Commodity classifications and storage configurations for the new high-piled storage area are described as follows:

- High-piled storage: Classified as high-hazard commodities.
- Rack storage of Class I-IV Commodities and Group A plastics (cartoned, unexpanded, and stable).
- Single-level stock shelving system.
- Commodities will not be encapsulated or bonded.
- Commodities stored on racks in the stock area will be cartoned and not on pallets.
- Racks will have open wire metal shelves. Racks with solid shelves will not be permitted.
- Group A plastic commodities are considered non-expanded plastics.
- Storage of open-top containers will not be permitted.

Storage configurations for the Footwear Stock Room are described as follows:

- Single- and double-row racks up to 48 inches deep.
- Useable storage height up to 15 feet with racks up to 13 feet in height.

4.2 SIZE OF HIGH-PILED STORAGE AREA

The size of the high-piled storage area was determined by including the entire floor area of the new high-piled storage area.

The size of the high-piled storage area in the Footwear Stock Room is 1,506 square feet.

4.3 AUTOMATIC SPRINKLER SYSTEM

Automatic sprinkler protection will be provided throughout the store. The system will be designed as necessary to provide the minimum sprinkler discharge densities for the new high-piled storage area as indicated in this report. The fire sprinkler system in the existing storage areas and the mercantile areas will not be modified.

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The fire sprinkler design criteria for the new high-piled storage area will be as follows:

- Rack storage of Class I-IV commodities with cartoned, non-expanded, and stable Group A plastics, stored in cardboard boxes.
- Protection based on worst-case scenario with cartoned, non-expanded, and stable Group A plastics.
- Maximum storage height of 15 feet.
- Ceiling height from finished floor to bottom of the ceiling deck ranging from 24 feet to 24 feet 5 inches.
- The clearance from the ceiling sprinkler deflector to the top of storage will be a minimum of 18 inches in accordance with NFPA 13 Section 8.6.6.1.
- Sprinkler design criteria: Ceiling sprinklers only with a minimum discharge density of 0.60 gpm/sq. ft. over the most hydraulically remote 2,000 square feet using high temperature-rated (286°F) minimum K-11.2 standard spray sprinklers in accordance with NFPA 13 Sections 12.6.3 and 17.2.1 and Figure 17.2.1.2.1(b).
- Maximum sprinkler spacing: 100 square feet (NFPA 13 Table 8.6.2.2.1(d)).
- In-rack sprinklers will not be required.
- Hose stream: 500 gpm outside allowance for a duration of 120 minutes (NFPA 13 Table 12.8.6).
- Fire protection of steel columns is not required for storage height up to 15 feet (NFPA 13 Section 17.1.4).

4.4 PORTABLE FIRE EXTINGUISHERS

Portable fire extinguishers will be provided throughout the store in accordance with NCFC Sections 906 and 3206.11. Minimum Class 2-A:10-B:C extinguishers will be provided in the retail areas with a maximum travel distance of 75 feet and 3,000 square feet per extinguisher. Minimum Class 4-A extinguishers will be provided in the stock room areas with a maximum travel distance of 75 feet and 4,000 square feet per extinguisher. Fire extinguishers provided by others. Extinguishers to be mounted 3 feet to 5 feet above finished floor and identified with a sign.

4.5 FIRE DEPARTMENT BUILDING ACCESS

Access roadways are existing and are provided within 150 feet of all portions of exterior walls of the building in accordance with NCFC Section 503.1.1. Fire department vehicle access is provided with an unobstructed width of not less than 20 feet and an unobstructed vertical clearance of not less than 13 feet, 6 inches as required by NCFC Section 503.2.1.

The entire area of the new high-piled storage area will not exceed 2,500 square feet. Therefore, fire department building access will not be required in accordance with NCFC Section 3206.6.1 (NCFC Table 3206.2).

4.6 SMOKE AND HEAT REMOVAL

The entire area of the new high-piled storage area will not exceed 2,500 square feet. Therefore, smoke and heat vents will not be required to be provided in accordance with NCFC Section 3206.8 (NCFC Table 3206.2).

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4.7 AISLES

Aisles providing access to exits will be provided in the new high-piled storage area in accordance with NCFC Section 3206.10. Aisles separating storage piles or racks will comply with NFPA 13. Aisles will comply with NCFC Chapter 10.

For single- and double-row rack storage of plastic commodities, the required minimum aisle width is 3 feet and 6 inches (NFPA 13 Section 17.1.2.2). Storage with aisles less than 3.5 feet shall be protected as multiple-row rack storage (NFPA 13 Section 17.1.2.3).

Aisle widths will be in accordance with NCFC Section 3206.10.1. Aisles crossing rack structures or storage piles, that are used only for employee access will be not less than 24 inches wide. All other aisle widths will not be less than 44 inches.

Dead-end aisles will not exceed 50 feet in length in storage areas (NCFC Section 3206.10.3).

Aisles for existing storage areas will not be modified.

4.8 FLUE SPACES

Flue spaces will be located between storage loads to limit the rack shelf area to no more than 20 square feet (NFPA 13 Section 3.9.3.7.4). Nominal 6-inch transverse flue spaces between loads and at rack uprights will be maintained in racks of all types in accordance with NCFC Table 3208.3 and NFPA 13 Section 17.1.9.2. Longitudinal flue space (back-to-back clearance between loads) is not required for double-row racks (NFPA 13 Section 20.5.3.3.1.1).

4.9 FIRE DEPARTMENT HOSE CONNECTIONS

Fire department hose connections will not be required in accordance with NCFC Section 3206.9.

4.10 FIRE ALARM AND DETECTION

Fire alarm and detection is not required for the new high-piled storage area in accordance with NCFC Table 3206.2.

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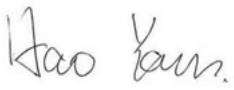
5.0 Conclusion

This high-piled storage report summarizes the storage arrangements and commodity classifications of the products in the storage and stock area within the tenant improvement area of the store. The storage arrangements and fire protection features identified in this report, which will be utilized by Dick's Sporting Goods, comply with the requirements of the NCBC and NCFC for fire protection.

Sincerely,

Jensen Hughes

Prepared by:



Hao Yan, MS
Consultant

Reviewed by:

Michael Banham, PE
Project Director

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DESIGN CALCULATIONS

Project Name : DICK'S SPORTING GOODS #1066

Project Number : 24-0404-21

Date : 04/08/24

Street Address: 3500 GALLERIA DR
City/State : GREENVILLE, NC 27834

Scope of Work : SHELVING

04/10/2024

T & Z Consulting Services, LLC
1428 N Shevlin Court
Sewickley, PA 15143

Structural
Engineering & Design Inc.

1815 Wright Ave, Ste 200 La Verne, CA 91750 Tel: 909.596.1351 Fax: 909.593.8561

By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Design Data **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 24 in**

1) The analyses of the light duty storage fixtures conforms to the requirements of the 2021 IBC and ASC 7-16

2) Steel minimum yield, Fy= 36 ksi unless otherwise noted on the plans or analysis herein.

3) Anchor bolts shall be provided by installer per ICC reference on the calculations herein.

4) All welds shall conform to AWS procedures, utilizing E70xx electrodes or similar. All such welds shall be performed in shop, with no field welding allowed other than those supervised by a licensed deputy inspector.

5) Slab on grade is 5 in thick concrete with f'c=2500 psi

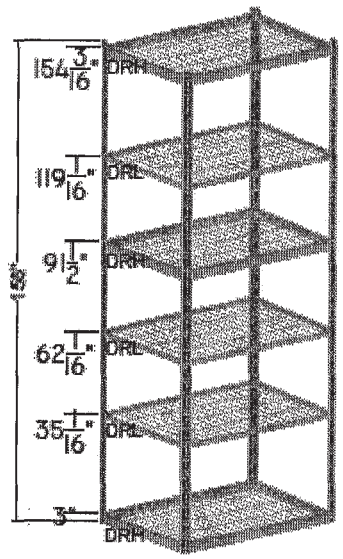
Structural
Engineering & Design Inc.

1815 Wright Ave. Ste 200 La Verne, CA 91750 Tel: 909.596.1351 Fax: 909.593.8561

By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Summary of Results **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 24 in**

STATIC FOOTWEAR (RS)
(05' MAX. STORAGE)



Shelf Configuration

# of Levels=	6
D=	24.0 in
H=	156.0 in
L=	48.0 in

Location	Elevation	Load
h1=	3.0 in	200 lb
h2=	32.1 in	200 lb
h3=	27.0 in	200 lb
h4=	29.4 in	200 lb
h5=	27.6 in	200 lb
h6=	35.1 in	200 lb

Seismic Coeff:
Ss= 0.097
S1= 0.049
Fa= 1.600
Fv= 2.400
Steel Fy= 36,000 psi

Product Load/Lvl= 200 lb
Dead Load/Level= 10 lb

Component Summary			
Column	**L1-1/2"x14ga**	**0.15**	**OK**
Beam	**Double Rivet Beam**	**0.16**	**OK**
Beam Rivet	**1/4" Diam Rivet x 1-1/2" Spacing**	**0.07**	**OK**
Anchor	**(1) 3/8" x 2.5" Effective Embed HILTI KH EZ SCREW per footplate**	**0.01**	**OK**
	Special inspection is not required per ICC ESR 3027. Net Uplift=0 lb		
Footplate	**5.1875 x 1.875 x 0.075 Footplate at T Post**	**0.20**	**OK**
	2.6 x 1.875 x14ga at L Post		
Slab on Grade	**5 in thick concrete with f'c=2500 psi**	**0.07**	**OK**
	750 psf allowable soil bearing pressure		

Notes

Column Reactions (ASD):
Axial column DL= 30 lb
Axial column LL= 600 lb
Axial column seismic load=+/- 101 lb
Net Seismic uplift= 0 lb

Structural
Engineering & Design Inc.

1815 Wright Ave. Ste 200 La Verne, CA 91750 Tel: 909.596.1351 Fax: 909.593.8661

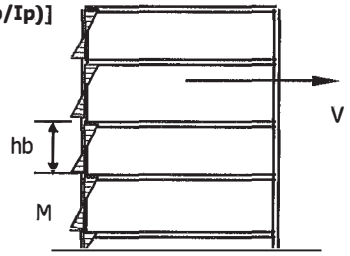
By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Seismic Forces **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 24 in**

V1= S_{DS} *W/R
V2= [0.4*ap*S_{DS}*Ws*(1+2*z/h)/(Rp/Ip)]
V3= 0.044*Sds
V4= 0.5*S1/R

V1= 0.0259
V2= 0.0259
V3= 0.0046
V4= 0.0000
$V_{minimum}$= 0.015

Seismic Coeff=Cs= 0.0259
(Either Direction)
Cs*Ip= 0.0259



Elevation

Deck DL= 0 psf
Deck LL= 0 psf
Trib Area=A= 0.0 ft^2
Deck level LL= 0 lb
Deck level DL= 0 lb

Ss= 0.10
S1= 0.05
Fa= 1.60
Fv= 2.40
Sds= 0.104
Sd1= 0.078
R=Rp= 4.00
Ip= 1.00
ap= 2.5
z/h= 0.00
# of levels= 6
Depth= 24.0 in
Product LL/Shlf= 200 lb
DL/Shlf= 10 lb

Down Aisle Seismic Shear (Longitudinal)

Wlong= Σ(LL*0.67+DL)
= 864 lb
Vlong=V_L= 0.0259 * 864 lb
= 22 lb
V_L/2= 11 lb

Cross Aisle Seismic Shear (Transverse)

Wtransv= Σ(LL*0.67+DL)
= 864 lb
Vtransverse=V_T= 0.0259 * 864 lb
= 22 lb
V_T/col= 11 lb

Summary of Reactions (See following pages)

Longitudinal Column Loads

Pstatic= Σ(LL+DL)
= 630 lb

Mlong= M_T*V_L/V_T
= 123 in-lb
Longitudinal Conn Moment

Transverse Column Loads

Pstatic DL= 30 lb
Pstatic LL= 600 lb

Movt= 2,426 in-lb
Depth=D= 24 in
Pseismic= Movt/D
= 101 lb
Mtransv=M_T= 123 in-lb
Transverse Conn Moment

Structural
Engineering & Design Inc.

1815 Wright Ave, Ste 200 La Verne, CA 91750 Tel: 909.596.1351 Fax: 909.593.8661

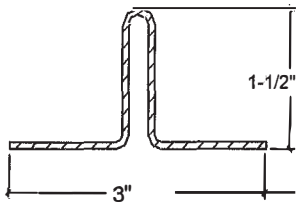
By: Bob S/MΩZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Transverse Column Loads (Weak Axis Bending) **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 24 in**

Net Section Properties

Column= L1-1/2"x14ga
Aeff = 0.358 in^2
Ix (downaisle) = 0.148 in^4
Sx (downaisle) = 0.099 in^3
rx (downaisle) = 0.642 in
Iy (crossaisle) = 0.087 in^4
Sy (crossaisle) = 0.090 in^3
ry (crossaisle) = 0.494 in
Fy= 36 ksi
Axial DL= 30 lb
Axial LL= 600 lb
Pseismic= 101 lb

Ωf= 1.67
E= 29,500 ksi
Cb= 1.0
Cmx= 0.85
Kx = 1.0
Lx = 35.1 in
Ky = 1.0
Ly = 35.1 in



Loads Load Case: (Fully Loaded)

Axial=P= DL+0.75LL+0.75*0.7*Pseismic
= 533 lb **Moment=My= 123 in-lb**

Axial Analysis

KxLx/rx = 1*35.125"/0.642"
= 54.7

KyLy/ry = 1*35.125"/0.494"
= 71.1

Fe > Fy/2
Fn= Fy(1-Fy/4Fe)
= 36 ksi*[1-36 ksi/(4*57.6 ksi)]
= 30.4 ksi

Fe= π^2E/(KL/r)max^2
= 57.6ksi

Fy/2= 18.0 ksi

Pn= Aeff*Fn
= 10,874 lb

Ωc= 1.92

Pa= Pn/Ωc
= 10874 lb/1.92
= 5,663 lb

P/Pa= 0.09 < 0.15

Bending Analysis

Check: P/Pa + My/May ≤ 1.0

Pno= Ae*Fy
= 0.358 in^2 *36000 psi
= 12,888 lb

Pao= Pno/Ωc
= 12888lb/1.92
= 6,713 lb

Myield=My= Sy*Fy
= 0.09 in^3 * 36000 psi
= 3,240 in-lb

May= My/Ωf
= 3240 in-lb/1.67
= 1,940 in-lb

Pcr= π^2EI/(KL)max^2
= π^2*29500000 psi/(1*35.125 in)^2
= 34,926 lb

μ= {1/[1-(Ωc*P/Pcr)]}^-1
= {1/[1-(1.92*533 lb/34926 lb)]}^-1
= 0.97

Combined Stresses

(533 lb/5663 lb) + (123 in-lb/1940 in-lb) = 0.14 < 1.0, OK (EQ C5-3)

Structural
Engineering & Design Inc.

1815 Wright Ave, Ste 200 La Verne, CA 91750 Tel: 909.596.1351 Fax: 909.593.8561

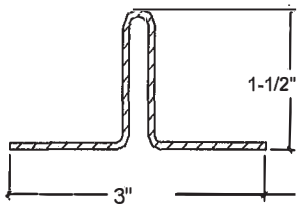
By: Bob S/MΩZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Longitudinal Column Loads (Strong Axis Bending) **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 24 in**

Net Section Properties

Column= L1-1/2"x14ga
Aeff = 0.358 in^2
Ix (downaisle) = 0.148 in^4
Sx (downaisle) = 0.099 in^3
rx (downaisle) = 0.642 in
Iy (crossaisle) = 0.087 in^4
Sy (crossaisle) = 0.090 in^3
ry (crossaisle) = 0.494 in
Fy= 36 ksi
Axial DL= 30 lb
Axial LL= 600 lb
Pseismic= 0 lb

Ωf= 1.67
E= 29,500 ksi
Cb= 1.0
Cmx= 0.85
Kx = 1.0
Lx = 35.1 in
Ky = 1.0
Ly = 35.1 in



Loads Load Case: (Fully Loaded)

Axial=P= DL+0.75LL+0.75*0.7*Pseismic
= 480 lb **Moment=Mx= 123 in-lb**

Axial Analysis

KxLx/rx = 1*35.125"/0.642"
= 54.7

KyLy/ry = 1*35.125"/0.494"
= 71.1

Fe > Fy/2
Fn= Fy(1-Fy/4Fe)
= 36 ksi*[1-36 ksi/(4*57.6 ksi)]
= 30.4 ksi

Fe= π^2E/(KL/r)max^2
= 57.6ksi

Fy/2= 18.0 ksi

Pn= Aeff*Fn
= 10,874 lb

Ωc= 1.92

Pa= Pn/Ωc
= 10874 lb/1.92
= 5,663 lb

P/Pa= 0.08 < 0.15

Bending Analysis

Check: P/Pa + My/May ≤ 1.0

Pno= Ae*Fy
= 0.358 in^2 *36000 psi
= 12,888 lb

Pao= Pno/Ωc
= 12888lb/1.92
= 6,713 lb

Myield=My= Sx*Fy
= 0.099 in^3 * 36000 psi
= 3,564 in-lb

May= My/Ωf
= 3564 in-lb/1.67
= 2,134 in-lb

Pcr= π^2EI/(KL)max^2
= π^2*29500000 psi/(1*35.125 in)^2
= 34,926 lb

μ= {1/[1-(Ωc*P/Pcr)]}^-1
= {1/[1-(1.92*480 lb/34926 lb)]}^-1
= 0.97

Combined Stresses

(480 lb/5663 lb) + (123 in-lb/2134 in-lb) = 0.13 < 1.0, OK (EQ C5-3)

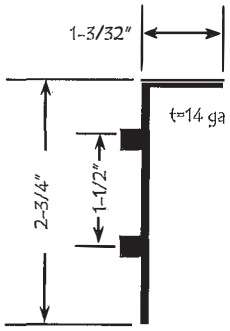
Structural
Engineering & Design Inc.

1815 Wright Ave, Ste 200 La Verne, CA 91750 Tel: 909.596.1351 Fax: 909.593.8561

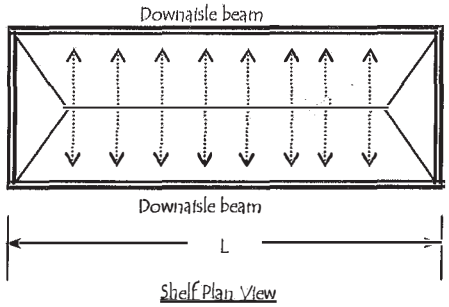
By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Double Rivet Beam **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 24 in**

Beam Type= Double Rivet Beam
Ix= 0.2060 in^4
Sx= 0.123 in^3
Fy-beam= 36,000 psi
Shelf Span=L= 47 in



SS Dbl Rivet Beam



Shelf Plan View

Check Beam Bending

Shelf DL= 10 lb
Shelf LL= 200 lb
Shelf LL+DL= 210 lb
Load=w=LL*0.67/(2*L)= 18.8 plf

M= w * L^2/8
= 433 in-lb

fb= M/Sx
= 3,517 psi

Fb= 0.6 * Fy
21,600 psi

fb/Fb= 0.16 OK

Check Beam Deflection

E= 29,500,000 psi

D= 5 * w * L^4/(384 * E * Ix)
= 0.0169 in

Dallow= L/140
= **0.34 in** **OK**

Check DRB Beam Rivets For Static + Seismic Loads

Check load case: DL+0.75LL + 0.75*0.7*Mseismic

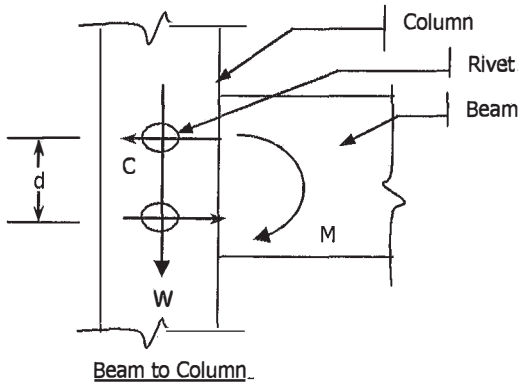
Rivet Spacing=d= 1.5 in
Rivet diameter= 0.25 in
Fy-rivet= 36,000 psi
Max Conn. Moment=Mc= 123 in-lb
Mc*0.7*0.75=M= 65 in-lb
C= M/d
= 43 lb
Shear Capacity= Rivet Area * 0.4 * Fy-rivet
= [(0.25 in)^2 * pi/4] * 0.4 * 36000 psi
= 707 lb

Bearing Capacity= Rivet Diam * tmin * Fu * 1.2
= 1,305 lb

Effective Shear= [(W/2)^2 + C^2]^0.5
= 47 lb **OK**

tmin= 0.075 in
Fu= 58,000 psi

W= (LL*0.75+DL)/4
= 40 lb



Beam to Column

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By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Anchors **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 24 in**

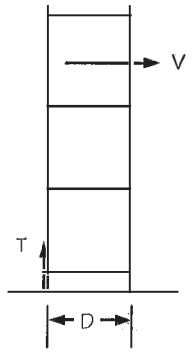
Check load case: 0.9D + 0.9*0.67LL + V

Loads

Vtrans=V= 22 lb

DL/Frame= 60 lb
LL/Frame= 1,200 lb
Wst=(0.9*DL+ 0.9*0.67LL)total= 778 lb
LL @ TOP= 200 lb
DL/Lvl= 10 lb
DL*0.90= 9 lb
Lateral Ovt Forces=Σ(Fi*hi)*1.15= 2,790 in-lb

Frame Depth=D= 24.0 in
Htop-lvl= 154.2 in
Levels= 6
Anchors per col.= 1



SIDE ELEVATION

Fully Loaded rack

Vtrans= 22 lb

Movt= Σ(Fi*hi)
= 2,790 in-lb

Mst= Wst * D/2
= 778 lb * 24 in/2
= 9,336 in-lb

Net Uplift=T= (Movt-Mst)/D
= (2790 in-lb - 9336 in-lb)/24 in
= -273 lb **No Uplift**

Top Level Loaded Only

Critical Level= 6
Vtop= Cs * LLtop
Vtop= 0.026 * 200 lb
= 5 lb

Hgt @ Lvl 6= 154.2 in

Movt= Vtop*Htop*1.15
= 5 lb * 154.1875 in * 1.15
= 887 in-lb

Mst= 0.6*(LL-top) *D/2
= (200 lb*0.6) * 24 in/2
= 1,440 in-lb

Net Uplift=T= (Movt-Mst)/D
= (887 in-lb - 1440 in-lb)/24 in
= -23 lb No Uplift

Anchor **Net Seismic Max Uplift= 0 LB**

Check (1) 3/8" x 2.5" Effective Embed HILTI KH EZ SCREW anchor(s) per footplate **
Special inspection is not required per ICC ESR 3027.

Pullout Capacity=Tcap= 800 lb
Shear Capacity=Vcap= 800 lb
Tcap*Phi= 800 lb
Vcap*Phi= 800 lb

Phi= 1.00

Fully Loaded:

(11 lb/800 lb)^1 = 0.01 <= 1.2 OK

Top Level Loaded:

(0 lb/800 lb)^1 + (3 lb/800 lb)^1 = 0.00 <= 1.2 OK

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By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

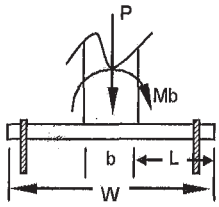
Base Plate **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 24 in**

Section

Actual base plate for T Post is 5.1875 in x 1.875 in x 14 ga, but a smaller area is considered to be effective due to the rigidity limitations of the baseplate

Width=B = 4.00 in
Depth=D = 1.88 in
Plate Thickness=t = 0.075 in

Column Width=b = 3.000 in
Column depth=b = 1.500 in
L = 0.50 in
Fy = 36,000 psi



Cross Aisle Loads

Axial DL= 30 lb
Axial L= 600 lb
Pseismic= 101 lb

DL+0.75LL + 0.75*0.7*Pseismic= 533 lb

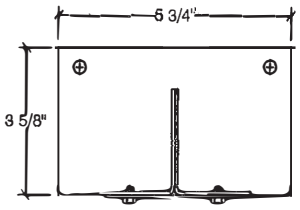
L = Base Plate Depth-Col Depth
= 0.38 in
fa = P/A = P/(D*B)
= 71 psi

M= wL^2/2= fa*L^2/2
= 5 in-lb/in

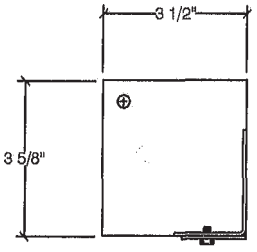
Sbase/in = (1)(t^2)/6
= 0.001 in^3/in

Fbase = 0.75*Fy
= 27,000 psi

fb/Fb = M/[(S-plate)(Fb)]
= **0.20** **OK**



CONNECT TO UPRIGHT
W/ (2) 1/4" TEK SCREWS
RDSFP FOOTPLATE



CONNECT TO UPRIGHT
W/ (1) 1/4" TEK SCREW
RSSFP FOOTPLATE

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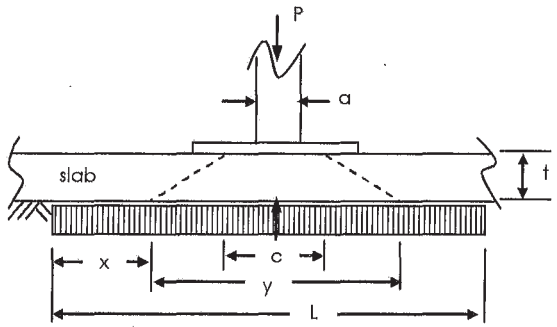
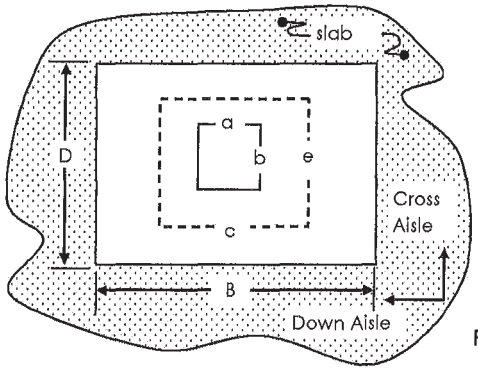
By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Slab on Grade **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 24 in**



SLAB ELEVATION



Baseplate Plan View

Concrete
f'c= 2,500 psi
tslab=t= 5.0 in
phi=Ø= 0.60

Soil
fsoil= 750 psf
Movt= 2,426 in-lb
Frame depth= 24.0 in

Base Plate
B= 4.00 in
D= 1.88 in

width=a= 3.00 in
depth=b= 1.50 in

eff. baseplate width=c= 4.00 in
eff. baseplate depth=e= 1.88 in

Load Case 1: Product + Seismic

Product DL= 30 lb
Product LL= 600 lb

P-seismic=E= Movt/Frame depth
= 101 lb

(Strength Design Loads)

Puncture

Pu= 1.2DL + 1.0LL + 1.0*E
= 722 lb
Apunct= [(c+t)+(e+t)]*2*t
= 158.75 in^2

Fpunct= 2.66*phi*sqrt(f'c)
= 79.8 psi
fv/Fv= Pu/(Apunct*Fpunct)
= **0.06** **< 1.0 OK**

Slab Bending

Asoil= (P*144)/(fsoil)
= 139 in^2
x= (L-y)/2
= 0.0 in
Fb= 5*(phi)*(f'c)^0.5
= 150. psi

L= (Asoil)^0.5
= 11.79 in
M= w*x^2/2
= (fsoil*x^2)/(144*2)
= 0 in-lb

y= (c*e)^0.5 + t*2
= 12.7 in
S-slab= 1*t^2/6
= 4.17 in^3
fb/Fb= M/(S-slab*Fb)
= **0.00** **< 1.0 OK**

Load Case 2: Static Loads

DL= 30 lb LL= 600 lb

Puncture

Pu= 1.2*DL + 1.6*LL
= 912 lb
Apunct= [(c+t)+(e+t)]*2*t
= 159 in^2

Fpunct= 2.66*phi*sqrt(f'c)
= 79.8 psi
fv/Fv= Pu/(Apunct*Fpunct)
= **0.07** **< 1.0 OK**

Slab Bending

Asoil= (Pu*144)/(fsoil)
= 175 in^2
x= (L-y)/2
= 0.2 in
Fb= 5*(phi)*(f'c)^0.5
= 150. psi

L= (Asoil)^0.5
= 13.23 in
M= w*x^2/2
= (fsoil*x^2)/(144*2)
= 0 in-lb

y= (c*e)^0.5 + t*2
= 12.7 in
S-slab= 1*t^2/6
= 4.17 in^3
fb/Fb= M/(S-slab*Fb)
= **0.00** **< 1.0, OK**

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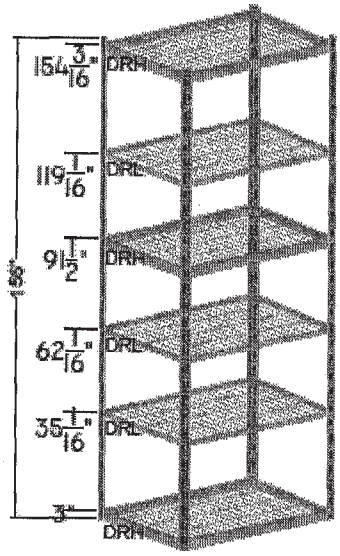
1815 Wright Ave. Ste 200 La Verne, CA 91750 Tel: 909.596.1351 Fax: 909.593.8561

By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Summary of Results **Configuration: MM Rivet Shelving Type FW-13: 156 in x 48 in x 12 in**

STATIC FOOTWEAR (RS)
(15' MAX. STORAGE)



12 IN UNITS TO BE TIED @ TOP OR WITH WALL

Shelf Configuration

# of Levels=	6
D=	12.0 in
H=	156.0 in
L=	48.0 in

Location	Elevation	Load
h1=	3.0 in	200 lb
h2=	32.1 in	200 lb
h3=	27.0 in	200 lb
h4=	29.4 in	200 lb
h5=	27.6 in	200 lb
h6=	35.1 in	200 lb

Seismic Coeff:
Ss= 0.097
S1= 0.049
Fa= 1.600
Fv= 2.400
Steel Fy= 36,000 psi

Product Load/Lvl= 200 lb
Dead Load/Level= 10 lb

Component Summary			
Column	**L1-1/2"x14ga**	**0.16**	**OK**
Beam	**Double Rivet Beam**	**0.16**	**OK**
Beam Rivet	**1/4" Diam Rivet x 1-1/2" Spacing**	**0.07**	**OK**
Anchor	**(1) 3/8" x 2.5" Effective Embed HILTI KH EZ SCREW per footplate**	**0.02**	**OK**
	Special Inspection is not required per ICC ESR 3027. Net Uplift=14 lb		
Footplate	**5.1875 x 1.875 x 0.075 Footplate at T Post**	**0.22**	**OK**
	2.6 x 1.875 x14ga at L Post		
Slab on Grade	**5 in thick concrete with f'c=2500 psi**	**0.07**	**OK**
	750 psf allowable soil bearing pressure		

Notes

Column Reactions (ASD):
Axial column DL= 30 lb
Axial column LL= 600 lb
Axial column seismic load=+/- 202 lb
Net Seismic uplift= 14 lb

12 IN DEEP UNITS TO BE TIED @ TOP OR WITH WALL

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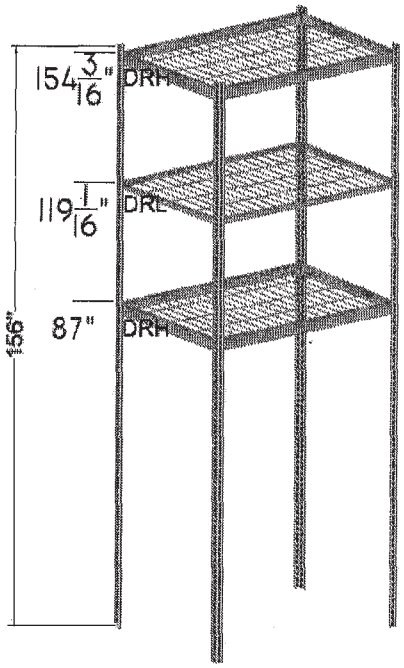
By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Summary of Results **Configuration: MM Rivet Shelving Type FW-WU-13: 156 in x 48 in x 24 in**



Shelf Configuration

# of Levels=	6
D=	24.0 in
H=	156.0 in
L=	48.0 in

Location	Elevation	Load
h4=	24.9 in	200 lb
h5=	32.1 in	200 lb
h6=	35.1 in	200 lb

Seismic Coeff:
Ss= 0.097
S1= 0.049
Fa= 1.600
Fv= 2.400
Steel Fy= 36,000 psi

Product Load/Lvl= 100 lb
Dead Load/Level= 10 lb

Component Summary			
Column	**L1-1/2"x14ga**	**0.12**	**OK**
Beam	**Double Rivet Beam**	**0.09**	**OK**
Beam Rivet	**1/4" Diam Rivet x 1-1/2" Spacing**	**0.05**	**OK**
Anchor	**(1) 3/8" x 2.5" Effective Embed HILTI KH EZ SCREW per footplate**	**0.01**	**OK**
	Special Inspection is not required per ICC ESR 3027. Net Uplift=0 lb		
Footplate	**5.1875 x 1.875 x 0.075 Footplate at T Post**	**0.15**	**OK**
	2.6 x 1.875 x14ga at L Post		
Slab on Grade	**5 in thick concrete with f'c=2500 psi**	**0.05**	**OK**
	750 psf allowable soil bearing pressure		

Notes

Column Reactions (ASD):
Axial column DL= 30 lb
Axial column LL= 450 lb
Axial column seismic load=+/- 83 lb
Net Seismic uplift= 0 lb

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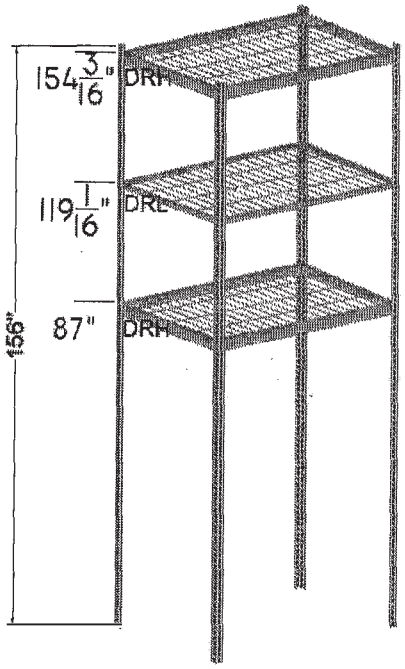
By: Bob S/MQZ **Project:** DICKS SPORTING GOODS #1066 **Project #:** 24-0404-21

Summary of Results **Configuration: MM Rivet Shelving Type FW-WU-13: 156 in x 48 in x 12 in**



Shelf Configuration

# of Levels=	6
D=	12.0 in
H=	156.0 in
L=	48.0 in

Location	Elevation	Load
h4=	24.9 in	200 lb
h5=	32.1 in	200 lb
h6=	35.1 in	200 lb

Seismic Coeff:
Ss= 0.097
S1= 0.049
Fa= 1.600
Fv= 2.400
Steel Fy= 36,000 psi

Product Load/Lvl= 100 lb
Dead Load/Level= 10 lb

Component Summary			
Column	**L1-1/2"x14ga**	**0.13**	**OK**
Beam	**Double Rivet Beam**	**0.09**	**OK**
Beam Rivet	**1/4" Diam Rivet x 1-1/2" Spacing**	**0.05**	**OK**
Anchor	**(1) 3/8" x 2.5" Effective Embed HILTI KH EZ SCREW per footplate**	**0.02**	**OK**
	Special inspection is not required per ICC ESR 3027. Net Uplift=14 lb		
Footplate	**5.1875 x 1.875 x 0.075 Footplate at T Post**	**0.17**	**OK**
	2.6 x 1.875 x14ga at L Post		
Slab on Grade	**5 in thick concrete with f'c=2500 psi**	**0.05**	**OK**
	750 psf allowable soil bearing pressure		

Notes

Column Reactions (ASD):
Axial column DL= 30 lb
Axial column LL= 450 lb
Axial column seismic load=+/- 166 lb
Net Seismic uplift= 14 lb