

CODE INFORMATION

GENERAL INFORMATION			
Name of Project:	Butler Industrial Park		
Project Address:	St Lucie Blvd St. Lucie, FL		
Proposed Use:	Factory/Business/Storage		
Client:	Brian Murphy		
Address:	-		

LEAD DESIGN PROFESSIONALS			
Designer:	Name	License #	Phone
Architectural:	Niki L. Norton, R.A.	AR91827	772.220.4411
Structural:	ACCORD	-	833.421.2347
MEP:	K.A.M.D.	-	954.448.0792
Civil:	Giagrande Engineer + Planning	-	772.888-9076
Fire Alarm:	By Others Under Separate Permit		
Fire Sprinkler:	By Others Under Separate Permit		

GENERAL DATA	
Building & Fire Codes Used in Design:	
Florida Building Code (8 th Edition, 2023)	
Florida Existing Building Code (7 th Edition, 2023)	
Florida Plumbing Code (8 th Edition, 2023)	
Florida Mechanical Code (8 th Edition, 2023)	
Florida Fuel Gas Code (8 th Edition, 2023)	
Florida Energy Code (8 th Edition, 2023)	
Florida Fire Prevention Code (8 th Edition)	
2023 Florida Accessibility Code	
Construction Description:	
___X___ New Construction ___Renovation ___TI (Tenant Improvement)	
___Alteration ___Addition	

Scope of Work: New Warehouse	
Gross Square Footage:	52,092 Sq. Ft.
Fire Area:	52,092 Sq. Ft.
Exterior Walls:	Tilt up Walls
Interior Walls:	Metal Studs + Gypsum (Non-combustible)

5. OCCUPANCY CLASSIFICATION	
(503) Assembly:	___A-1 ___A-2 ___X___A-3 ___A-4 ___A-5
(504) Business:	___X___B
(505) Educational:	___E
(506) Factory:	___X___F-1 ___F-2
(507) High-Hazard:	___H-1 ___H-2 ___H-3 ___H-4 ___H-5 ___Multiple
(508) Institutional:	___I-1 ___I-2 ___I-3 ___I-4 ___(Use Condition 1-4)
(509) Mercantile:	___M
(510) Residential:	___R-1 ___R-2 ___R-3 ___R-4 ___(Use Condition 1-2)
(511) Storage:	___X___S-1 ___S-2
(512) Utility & Misc.:	___U
(402) Covered Mall:	___Yes
(403) High-Rise:	___Yes
(405) Underground:	___Yes
(406) Motor Vehicle:	___U

4. SPECIAL DETAILED REQUIREMENTS	
(402) Covered & Open Mall Buildings:	(425) Hyperbaric Facilities
(403) High-Rise Buildings:	(426) Combustible Dams & Grains
(404) Atriums:	(449) Hospitals
(405) Underground Buildings:	(450) Nursing Homes
(406) Motor Vehicle:	(451) Ambulatory Surgical Centers
(407) I-2 Institutional:	(452) Bathing Centers
(408) I-3 Institutional:	(453) State Requirements for Education Fac.
(409) Motion Picture Projection Rooms:	(454) Swimming Pools & Bathing
(410) Stages & Platforms:	(455) Public Lodging Establishments
(411) Special Amusement Buildings:	(456) Public Food Service Establishments
(412) Aircraft-Related Occupancies:	(457) Mental Health Programs
(413) Combustible Storage:	(458) Manufactured Buildings
(414) Hazardous Materials:	(459) Bootcamps for Children
(415) I-1, I-2, I-3, I-4, I-5:	(460) Mansions and Columbarium
(416) Application of Flammable Finishes:	(461) Transient Public Lodging Establishments
(417) Drying Rooms:	(462) Use of Asbestos in New Gov. Buildings
(418) Organic Coatings:	(463) Adult Day Care
(419) Live Work Units:	(464) Assisted Living Facility
(420) Groups I-1, R-1, R-2, R-3, R-4:	(465) Control of Radiation Hazards
(421) Hydrogen Fuel Gas Rooms:	(466) Day Care Occupancies
(422) Ambulatory Care Facilities:	(467) Hospice Inpatient Facilities and Units
(423) Storm Shelters:	(468) Schools, Colleges and Universities
(424) Children's Play Structure:	(469) Office Surgery Suite
Special Requirements (List):	

5. GENERAL BUILDING HEIGHTS AND AREAS	
(504.3) Allowable Building Height	
Allowable Height:	40'0 Sq. Ft.
Actual Height:	38'-0" Sq. Ft.
(504.4) Allowable Stories	
Allowable Stories:	3 Stories
Actual Stories:	2 Story
(505) Mezzanines	___X___Yes ___No Sprinklered (Y/N)

(505.2.1) Mezzanines shall be considered a portion of the story below. Such mezzanines shall not contribute to either the building area or number of stories. The area of the mezzanine shall be included in determining the fire area.	
Mezzanine Area:	14,053 S.F. (No greater than 1/2 the floor area of the floor area located)
Exceptions (505.2.1):	
Openness (505.2.3): A mezzanine shall be open & unobstructed to the room in which such mezzanine is located. The aggregate area of a mezzanine or mezzanines within a room shall be no greater than one-third of the floor area of that room or space in which they are located.	
Open to Below? ___X___Yes ___No (If Not, List Exceptions Below)	
Exceptions (505.2.3):	
(506.2) Allowable Area	
Allowable Area:	92,00 S.F. (Business) 10,200 S.F. (Factory)
Actual Area:	13,919 S.F. (Business) 14,053 S.F. (Factory)
(506.2.3) Area Increase Calculation:	
A ₂ = [A ₁ + (NS x I)] x S ₂	
- [- + (- x -)] x	
= [] x -	
- - of Allowable Area	
Amount of Increase: N/A	

I ₂ = [(P - 0.25) W / 30] - 0.25] - / -	
I ₁ = / -	
I ₂ = -	
Definitions	
A: Tabular allowable area factor in accordance with Table 506.2	
I ₂ : Area factor increase due to frontage (percent)	
S ₂ : Actual number of building stories above grade plane, not to exceed 3	
P: Perimeter of entire building (feet)	
W: Width of a public way or open space associated with that portion of the exterior perimeter wall	
W: Calculated width of public way or open space	
F: Building perimeter that front on a public way or open space	

(508) Mixed Occupancies	
Mixed Occupancies?	___X___Yes (Separation Req'mt: 0 Hr) ___No
___X___Non-Separated Occupancies (508.3) ___Separated Occupancies (Table 508.4)	
(509) Incidental Uses	
Incidental uses are ancillary functions associated with a given occupancy that generally pose a greater level of risk to that occupancy.	
Incidental Uses?	___Yes (If So, List Below) ___X___No ___N/A
(510) Special Provisions:	
N/A	

6. TYPES OF CONSTRUCTION	
(601) Construction Type:	
___I-A ___I-B ___I-A ___Z-X ___I-B ___I-B ___I-B	
___IV ___V-A ___V-B	
Building Element	
Primary Structural Frame	Req'd Rating IUL #
Bearing Walls	0 N/A
Exterior	0 N/A
Interior	0 N/A
Non-Bearing Walls & Partitions	0 N/A
Exterior	0 N/A
Interior	0 N/A
Floor Construction	0 N/A
Roof Construction	0 N/A

7. FIRE AND SMOKE PROTECTION FEATURES	
(704.2) Structural Elements	
(705) Exterior Walls	
(705.2.3) Combustible Projections:	
Fire Separation (FSD)	
Minimum Distance From Line Used	
Distance (FSD)	
0 to less than 2	
2 to less than 3	
3 to less than 5	
5 or Greater	

Combustible projections extending to within 5 feet of the line used to determine the fire separation distance shall not be of less than 1-hour fire-resistance rated construction.	
There are no nearby buildings on the same lot.	
(706) Fire Walls:	N/A -
(707) Fire Barriers:	N/A -
(708) Fire Partitions:	N/A -
(709) Smoke Barriers:	N/A -
(710) Smoke Partitions:	N/A -
(711) Floor & Roof Ass'ys:	0 -
(712) Vertical Shafts:	N/A -
(718.2.2) Concealed Spaces:	N/A -
(718.3) Draft Stopping in Floors	___Yes ___No ___X___N/A
(718.4) Draft Stopping in Attics	___Yes ___No ___X___N/A
In combustible, un-sprinklered construction...provide draft stopping...such that no horizontal areas exceeds 5,000 square feet.	
8. INTERIOR FINISHES AND DECORATIVE MATERIALS	
(803) Wall & Ceiling Finishes	
Group "B" Group "F"	
Interior Exit Stairs/Ramps-Passages	
Corridors & Exit Stairs/Ramps	
Rooms & Enclosed Spaces	
(804) Interior Floor Finish Requirement:	

9. FIRE PROTECTION SYSTEMS	
(903.2.x) Group	
An automatic sprinkler system shall be provided for fire areas containing Group B/F occupancies and intervening floors where one of the following exists:	
9.1. The fire area exceeds 12,000 square feet	
9.2. The fire area has an occupant load of 300 or more	
9.3. The fire area is located on a floor other than a level of exit discharge serving such occupancies.	
(907) Fire Alarm and Detection Systems	
(907.X.X) Group B/F	

(1005.5) Elevation Change						
Where changes in elevation of less than 12 inches exist, sloped surfaces shall be used.						
Exceptions:						
Single step - 7" (Group F, I, R-2, R-3, S and U)						
Single tiered, 2 risers w/ tread, min. depth 13" w/ handrail						
Assembly seating aisle w/ handrail complying 1029.14						
(1004.5) Areas Without Fired Seating						
Occupancy Type: Occupancy Type						
Room Name	Actual Occupants	Occupants (NFPA)	Occupants (FBC)	LF (NFPA)	LF (FBC)	Occupied Area
100/101/102/103 Business	24 per unit		150			
100A/101A/102A/103A Factory	12 per unit		500			
	→		150			
Total:	144	0	0			
Note: "→" Indicates the Occupant Load by area is deferred to for that Occupant Load calculation.						
Exceptions: (1004.5) Where approved by the Building official, the actual number of occupants for whom each occupied space, floor or building is designed, although less than those determined by calculation, shall be permitted to be used in the determination of the design occupant load.						

(1004.9) Every room or space that is an Assembly Occupancy shall have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. Posted signs shall be of an approved legible design and shall be maintained by the owner or authorized agent.	
(1005.3.1) Stairways	
(1000) Occupants) x 0.3 inches	
Stair Width Required:	36 Inches
Stair Width Provided:	42 Inches
(1005.3.2) Other Egress Components	
(1000) Occupants) x 0.2 inches	
Egress Width Required:	36 Inches
Egress Width Provided:	4.8 business/2.4 Inches Factory

(1006) Number of Exit and Exit Access Doorways	
(1006.2.1) Egress Based on Occupant Load and Common Path of Egress Travel Distance	
Common Path:	
Spaces w/ One Exit:	
(1006.2.1.1) (1006.3.2) Three or More Exits or Exit Access Doorways	
Occupant Load	
Per Space/Story	
1-500	
501-1,000	
>1,000	
(1006.2.2) Egress Based on Use	
Boiler, Incinerator and Furnace Room	
Refrigerated Rooms or Spaces	
Day Care Facilities	
Special Hardware Req'mts:	
(1006.3.3) Single Exit from Stories And Single Exits From Stories or...Roofs	
Stairs	
Occupancy	
Max. D.U.	
Max. Distance	
0,1,2,3	
R-2	
Not Permitted	
N/A	
N/A	
1	
A, B, E, F, M, U	
49	
100'	
H-2, H-3	
3	
25'	
H-4, H-5, L, R-1, R-2, R-4	
10	
75'	
S	
29	
75'	
2	
B, F, M, S	
29	
75'	
Not Permitted	
N/A	
N/A	
(1006.3.1) Adjacent Story	
The path of egress travel to an exit shall not pass through more than one adjacent story.	
Exceptions:	

(1007) Exit Access Configuration	
Distance (FSD)	
(1007.1.1) Diagonal Rule Applies?	
___X___Yes ___No ___N/A	
Exceptions:	
Y Sprinklered (Y/N)	
Reduced to ± 1/3 Length of Max. Diag. Dimension	
(1010) Doors, Gates and Turnstiles	
(1010.1.3) Door Opening Force:	
The force for pushing or pulling open interior swinging egress doors, other than fire doors, shall not exceed 5 pounds. For other swinging doors, as well as sliding and folding doors, the door latch shall release when subjected to a 15-pound force.	
(1010.2.3) Hardware Height	
Door handles, pulls, latches, locks and other operative devices shall be installed 34 inches minimum and 48 inches maximum. Locks used only for security purposes...are permitted at any height.	
(1010.2.4) Locks and Latches	
Shall be permitted to lock:	
In buildings...having an occupant load of 300 or less, the main door or doors are permitted to be equipped with key-operated locking devices from the egress side provided:	
The locking device is readily distinguishable as locked.	
A readily visible durable sign is posted on the egress side on or adjacent to the door stating: THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED. The sign shall be in letters 1 inch high on a contrasting background.	
The use of the key-operated locking device is revocable by the building official for due cause.	

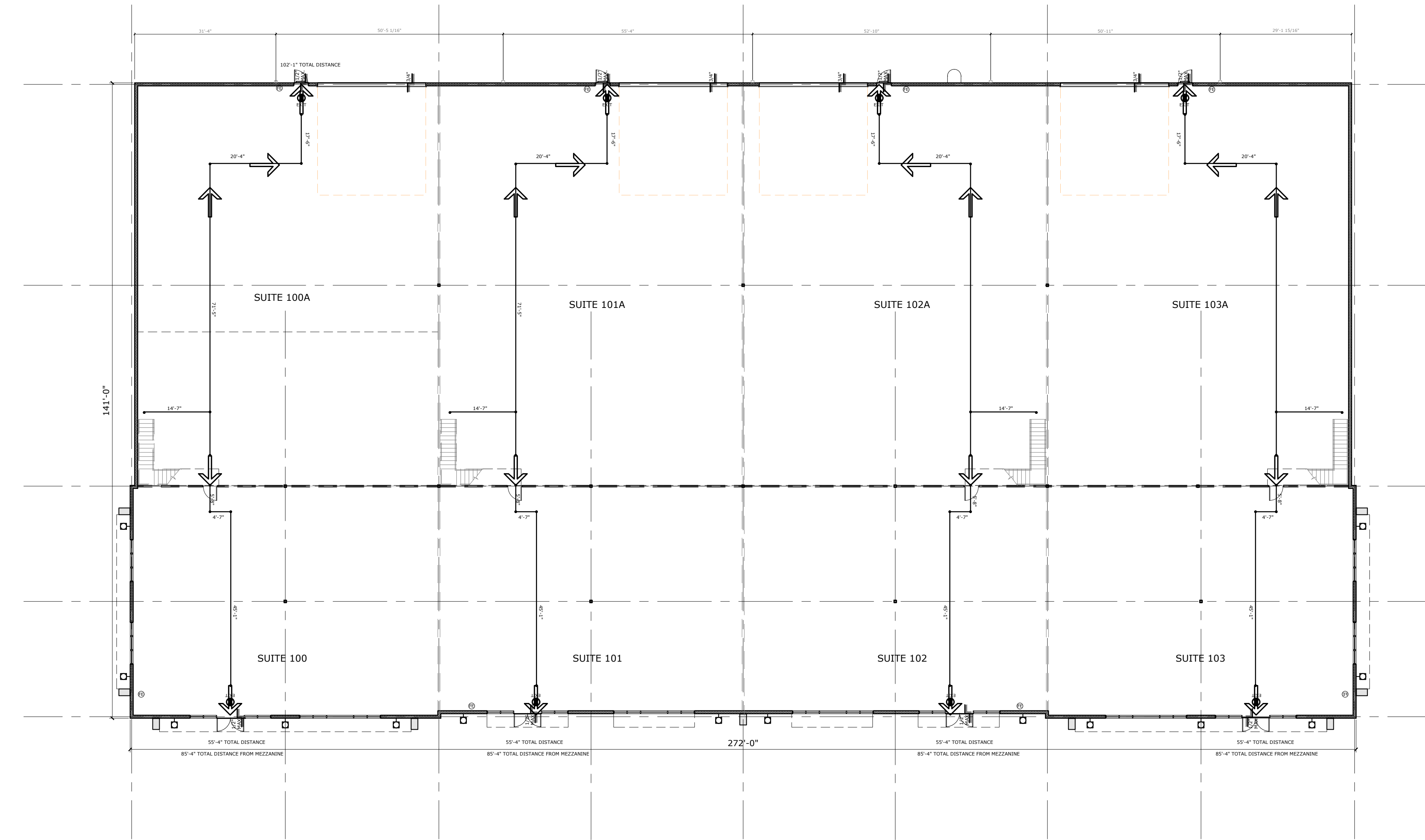
(1010.2.9) Panic and Fire Exit Hardware	
Panic Hardware Required? N (Y/N) ≥ 50 (Group A or E)	
Exceptions:	
Group A main exit permitted to lock (other means of egress req'd)	
Outdoor gates (Residential / Commercial Swimming Pool)	
Courtroom Doors Permitted to be locking	
(1016) Exit Access	
(1016.2) Egress Through Intervening Spaces	
Egress through intervening spaces is required only through areas accessory to one another.	
(1017.2) Exit Access Travel Distance	
Travel Distance: 250'/350' Tr_X Sprinklered (Y/N)	

(1019) Exit Access Stairways and Ramps:	
(1019.1) General	
Exit access stairways and ramps serving as an exit access component in a means of egress system shall comply. The number of stories connected by exit access stairways and ramps shall include basements, but not mezzanines.	
(1019.2) All Occupancies	
Exit access stairways and ramps that serve floor levels within a single story are not required to be enclosed.	
(1019.3) Occupancies Other Than Groups I-2 and I-3	
Floor openings containing exit access stairways or ramps shall be enclosed with a shaft enclosure.	
Exceptions:	

(1020) Corridors	
(1020.2) Construction	
Corridors shall be fire-resistance rated as fire partitions.	
Occupancy	
Occ. Load	
Served	
w/o Sprink.	
w/ Sprink.	
Req'd Rating	
H-1, H-2, H-3	
All	
NP	
1	
H-4, H-5	
>30	
NP	
1	
A, B, E, F, M, S, U	
>30	
1	
0	
R	
>10	
NP	
0.5	
I-2, I-4	
All	
NP	
0	
I-1, I-3	
All	
NP	
1	
(1020.3) Width and Capacity	
Facilities Not Listed	
Occupant Load >50	
Within D.U.	
36"	
Group E Occ. Load > 100	
72"	
Group I-2 Bed Movement	
96"	
72"	

(1020.5) Dead Ends

U.L. Details



1 - GROUND FLOOR LIFE SAFETY PLAN

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

LIFE SAFETY	
FLORIDA BUILDING CODE (6TH EDITION, 2023)	
OCCUPANCY (Chapter 3)	'F' FACTORY/'B' BUSINESS
SEPARATION BETWEEN OCCUPANCIES (Table 508.4)	1 HOUR REQUIRED, PROVIDED (FUTURE TEANANT WALLS)
FINISH CLASS (803)	B INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS & PASSAGES C CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS & RAMPS C ROOMS & ENCLOSED SPACES
SPRINKLER SYSTEM REQUIRED? (903.2.1.2)	YES
EXIT ACCESS TRAVEL DISTANCE (Table 1017.2)	300' (SPRINKLERED)
COMMON PATH OF EGRESS TRAVEL (Table 1006.2.1)	100' (SPRINKLERED)
MAXIMUM DEAD END CORRIDOR (1020.4)	50'
MINIMUM CORRIDOR WIDTH (Table 1020.2)	44 INCHES CLEAR
MINIMUM CLEAR OPENING OF DOORS (11010.1.1)	32 INCHES CLEAR
MINIMUM NUMBER OF EXITS (Tables 1006.3.1 & 1006.3.1)	1 REQUIRED.
MINIMUM STAIR WIDTH (1011.2)	44 INCHES CLEAR (50 OR MORE PEOPLE)
EGRESS WIDTH PER PERSON 3/0 WIDE DOOR= 32" CLEAR 2-3/0 WIDE DOORS= 68" CLEAR	0.2/FLOOR 0.3/STAIR 170 PERSONS/OPENING 340 PERSONS/OPENING
TOTAL EGRESS WIDTH REQUIRED (1005.3.2):	
36 PERSONS X 0.2 PER UNIT	
÷12" 0.6"	

- SPECIAL REQUIREMENTS
- Construction site safety shall be maintained as per NFPA 241.

SYMBOLS	
	WALL-MOUNTED EMERGENCY LIGHT W/ BATTERY BACKUP
	WALL-MOUNTED EMERGENCY EXIT SIGN WITH 90m BATTERY BACKUP
	FIRE EXTINGUISHER BY TENANT CLASS 2A-10BC

FLORIDA FIRE PREVENTION CODE (6TH EDITION) NFPA 101	
CLASSIFICATION OF OCCUPANCY (Chapter 6)	FACTORY(Chap.)/BUSINESS (Chap. 39)
REQUIRED SEPARATION BETWEEN OCCUPANCIES? (Table 6.1.14.4.1(a))	0 HOURS REQ'D, 1 HOUR PROVIDED (SPRINKLERED)
ADJACENT OCCUPANCIES?	FACTORY/BUSINESS
SPRINKLER SYSTEM PRESENT?	YES
FINISH CLASS	/39.3.3.2
CORRIDORS, LOBBIES & ENCLOSED STAIRWAYS	B
ROOMS & ENCLOSED SPACES	C
EXIT ACCESS TRAVEL DISTANCE	/39.2.6.2 /200' (SPRINKLERED)
COMMON PATH OF TRAVEL	/39.2.5.3.1 /100' (SPRINKLERED)
MAXIMUM DEAD END CORRIDOR	/39.2.5.2 /50 FEET
MINIMUM CORRIDOR WIDTH	/39.2.3.2 44 INCHES
MINIMUM NUMBER OF EXITS	/39.2.4.3 1 REQUIRED, 2 PROVIDED
PANIC HARDWARE	NOT REQUIRED
MINIMUM CLEAR OPENING OF DOORS	7.2.1.2.3.2 32" CLEAR MINIMUM
MEANS OF EGRESS (CHAPTER 7.4)	TABLE 7.3.1.2 OCCUPANT LOAD FACTOR TOTAL = 36 PEOPLE PRE BAY
TOTAL EGRESS WIDTH REQUIRED (TABLE 7.3.3.1):	36 x 0.2 = 7.2"
TOTAL EGRESS WIDTH PROVIDED:	72"

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Commercial + Residential
710 SE Ocean Blvd
Stuart, FL 34996
O: (772) 220-4411
www.n2archdesign.com

architecture + design

Nick L. Norton, R.A.
ARC 1827

Butler Industrial Building
St. Lucie B Ivd.
St Lucie County
(xxx) xxx-xxxx

Rev. # Date

Project Number
Status
Issue date
Sheet

24-0976
Bid Set
11-Apr-25
A2.0.1

Ground Floor Life Safety Plan + Notes



Project Number	24-0976
Status	Bid Set
Issue Date	11-Apr-25
Sheet	A2.01

Mezzanine Life Safety Plan + Notes

$$\left(\begin{array}{c} \text{XXX} \\ \text{XXX} - \text{XXX} \\ \text{XXX} \end{array} \right)$$

Niki L. Norton, R.A.
AR91827



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KEY NOTES

1. Ensure thresholds at all new interior and exterior doors not to exceed 1/2" in height including beveling as per FBC Accessibility Code (6th Edition, 2020) §404.2.4.4. and open and close with the required force and speed per §404.2.9. Taper floor finish as required.
2. Proposed metal stairs, if mezzanine installed in the future.
3. Roof ladder to the roof. Cage at top of ladder at top of roof. See details Roof Plan. \
4. Wall between warehouse and proposed office are optional.

GENERAL NOTES

1. Field verify all existing dimensions and utilities prior to construction. Notify Architect of any discrepancies.
2. Bathroom location shall be located by Tenant. Plumbing fixture count shall be determined upon Tenant occupancy type and per FPC 2023.

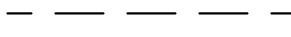
WALL LEGEND



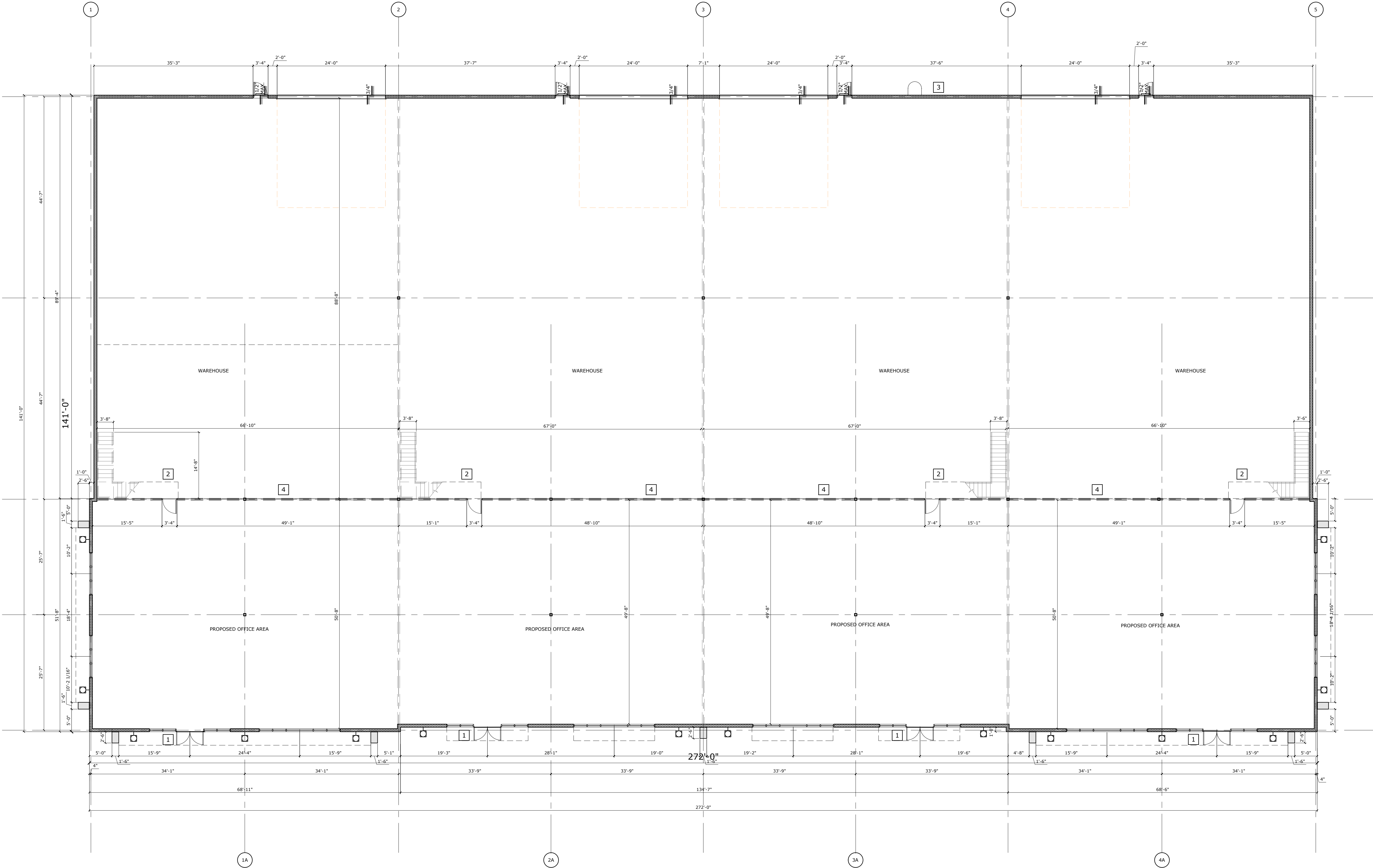
NEW TILT WALL



FUTURE METAL STUDS @ 16" O.C. W/ 5/8" THK GYPSUM WALLBOARD FINISH EACH SIDE (PAINTED). PROVIDE MIN. R-11 BATT INSULATION IN ALL WALLS



FUTURE TENANT/SEPARATION WALL



1 - GROUND FLOOR PLAN

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

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24-0976

Bid Set

11-Apr-25

A2.1.1

Ground Floor Plan
+ Notes


KEY NOTES

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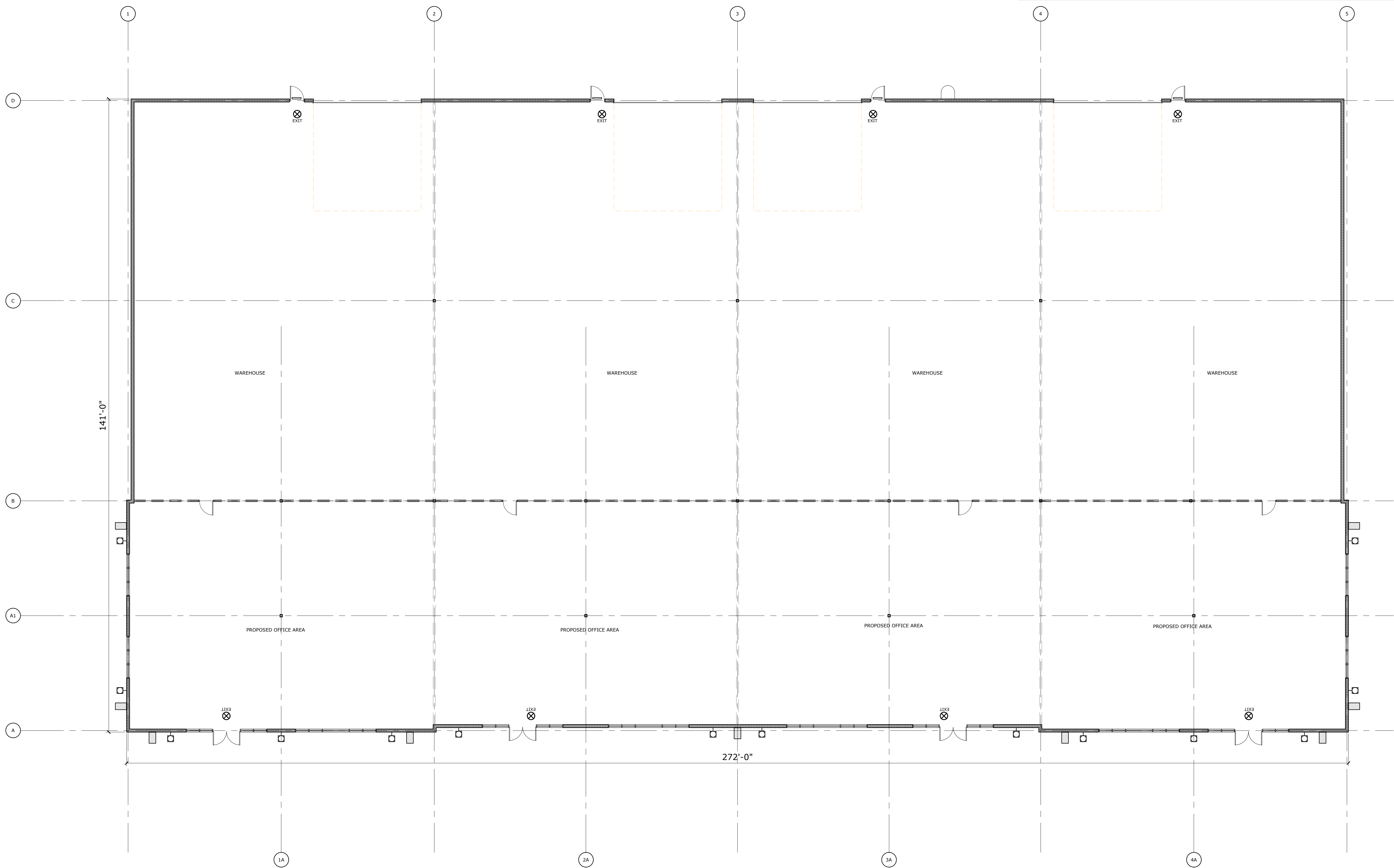
GENERAL NOTES	
1.	Field verify all existing dimensions and utilities prior to construction. Notify Architect of any discrepancies.
2.	Bathroom location shall be located by Tenant. Plumbing fixture count shall be determined upon Tenant occupancy type and per FPC 2023.

WALL LEGEND

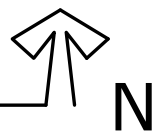
 <p>NEW TILT WALL</p>	 <p>FUTURE METAL STUDS @ 16" O.C. W/ 5/8" THK GYPSUM WALLBOARD FINISH EACH SIDE (PAINTED). PROVIDE MIN. R-11 BATT INSULATION IN ALL WALLS</p>
 <p>FUTURE TENANT/SEPARATION WALL</p>	



A2.1.2








1 - GROUND FLOOR REFLECTED CEILING PLAN

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

GENERAL NOTES

1. Refer to Lighting Plans for exact light fixture locations and full Scope of Work.

RCP LEGEND

-  Metal Awning By Others
-  2x4 LED lights
-  Illuminated Emergency Exit Sign
-  Wall Mounted Exterior Light
-  Exterior Wall Pack Light Fixture

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Rev. #	Date

Project Number	24-0976
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Sheet	A2.2.1

Ground Reflected Ceiling Plan






GENERAL NOTES
<p>1. Refer to Lighting Plans for exact light fixture locations and full Scope of Work.</p>

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
RCP LEGEND

	Metal Awning By Others		2x4 LED lights
	Wall Mounted Exterior Light		Illuminated Emergency Exit Sign
	Exterior Wall Pack Light Fixture		






RCP LEGEND

	Metal Awning By Others		2x4 LED lights
	Wall Mounted Exterior Light		Illuminated Emergency Exit Sign
	Exterior Wall Pack Light Fixture		






RCP LEGEND

	Metal Awning By Others		2x4 LED lights
	Wall Mounted Exterior Light		Illuminated Emergency Exit Sign
	Exterior Wall Pack Light Fixture		






RCP LEGEND

	Metal Awning By Others		2x4 LED lights
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	Exterior Wall Pack Light Fixture		






RCP LEGEND

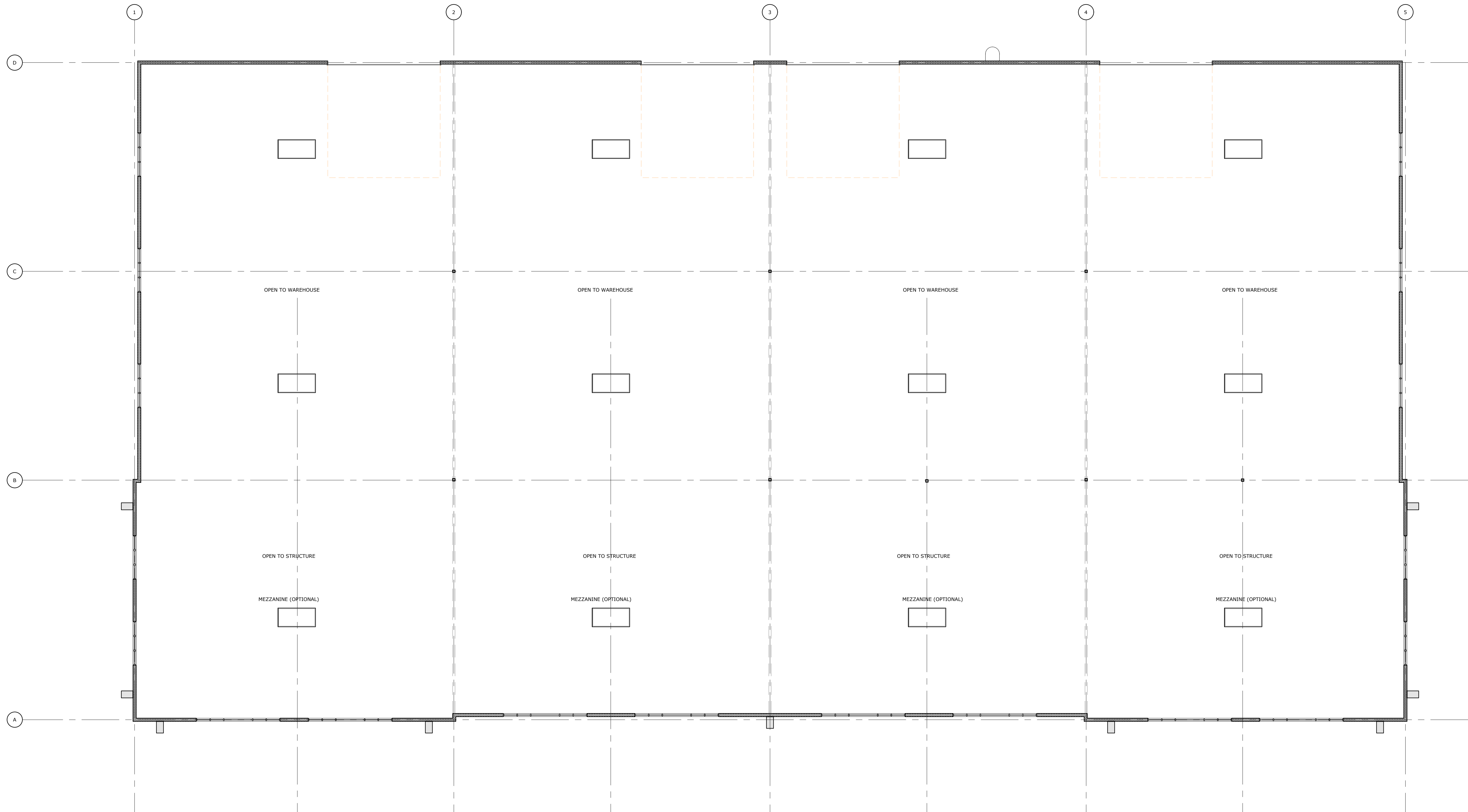
	Metal Awning By Others		2x4 LED lights
	Wall Mounted Exterior Light		Illuminated Emergency Exit Sign
	Exterior Wall Pack Light Fixture		

RCP LEGEND

	Metal Awning By Others		2x4 LED lights
	Wall Mounted Exterior Light		Illuminated Emergency Exit Sign
	Exterior Wall Pack Light Fixture		

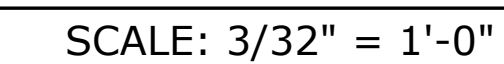
RCP LEGEND

	Metal Awning By Others		2x4 LED lights
	Wall Mounted Exterior Light		Illuminated Emergency Exit Sign
	Exterior Wall Pack Light Fixture		




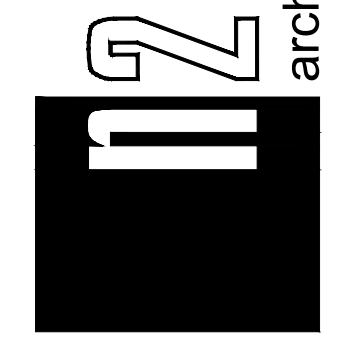
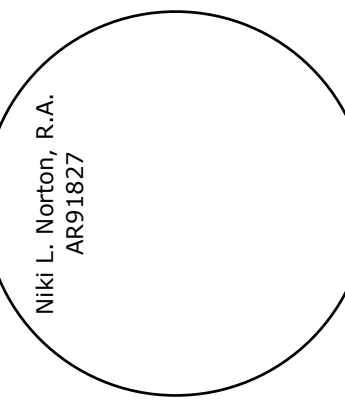
1 - SECOND FLOOR REFLECTED CEILING PLAN

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



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

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Butler Industrial Building

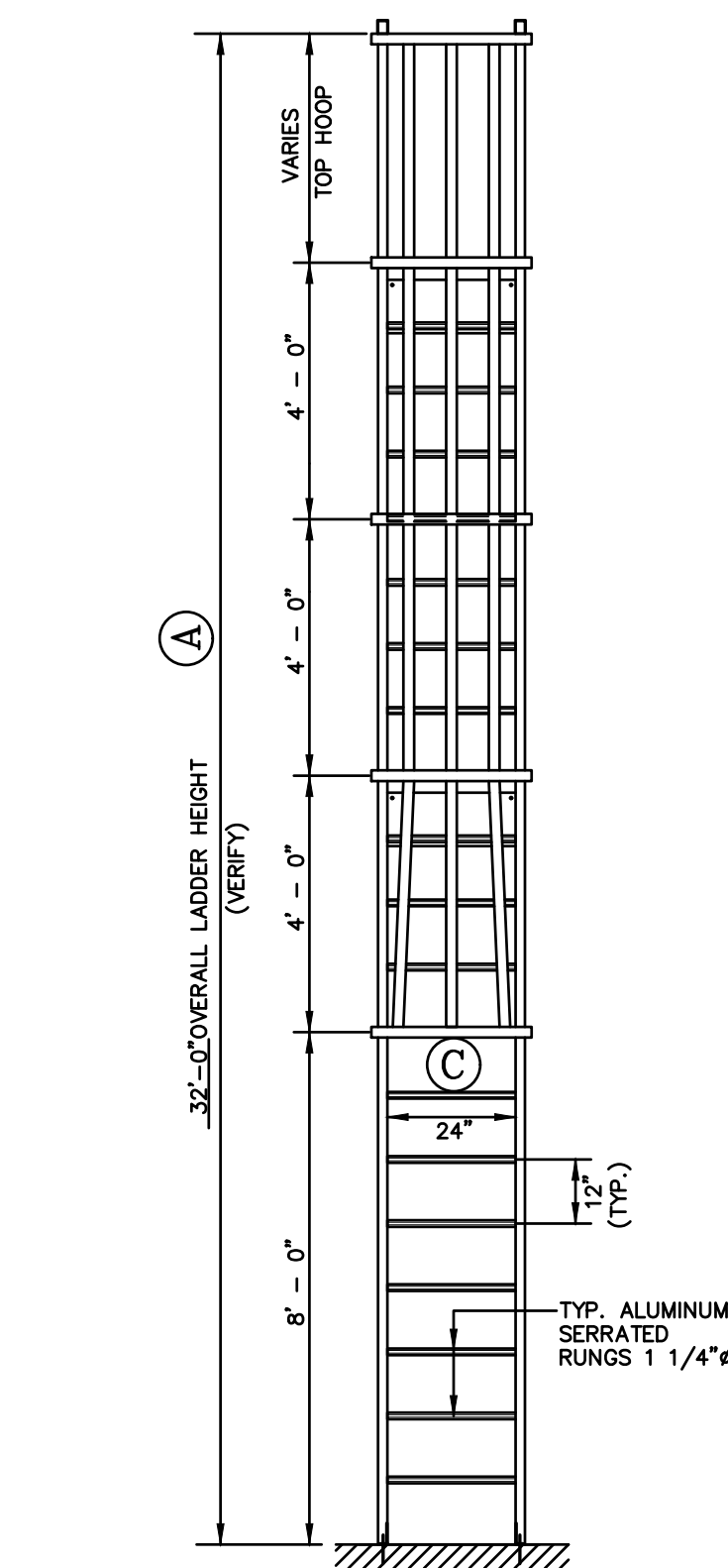
Butler Industrial Building

Butler Industrial Building

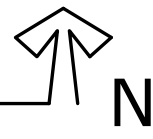
Rev. #	Date
Project Number	24-0976
Status	Bid Set
Issue date	11-Apr-25
Sheet	A22

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Status	Bid Set
Issue date	11-Apr-25
Sheet	A22



SCALE: NTS



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

ROOFING SPECIFICATION

RF-2

KEY NOTES

1. Roof drains and gutters. Slope roof $\frac{1}{4}" = 1'-0"$.
2. Caged ladder to the roof. O'Keeffee's Inc. Model # 532 Cage Ladder or equal



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$$\left(\begin{array}{c} XXX \\ XXX-XXX \\ XXX \end{array} \right)$$

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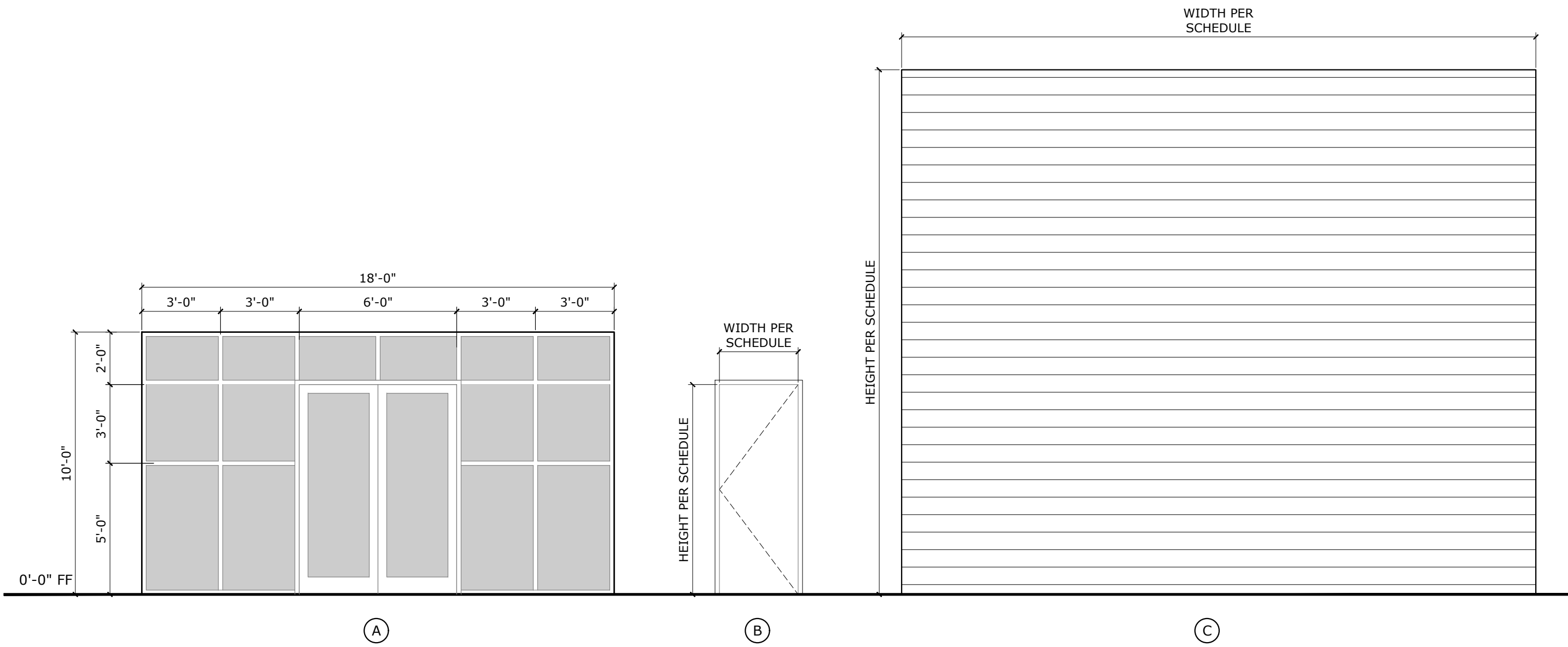
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Roof Plan

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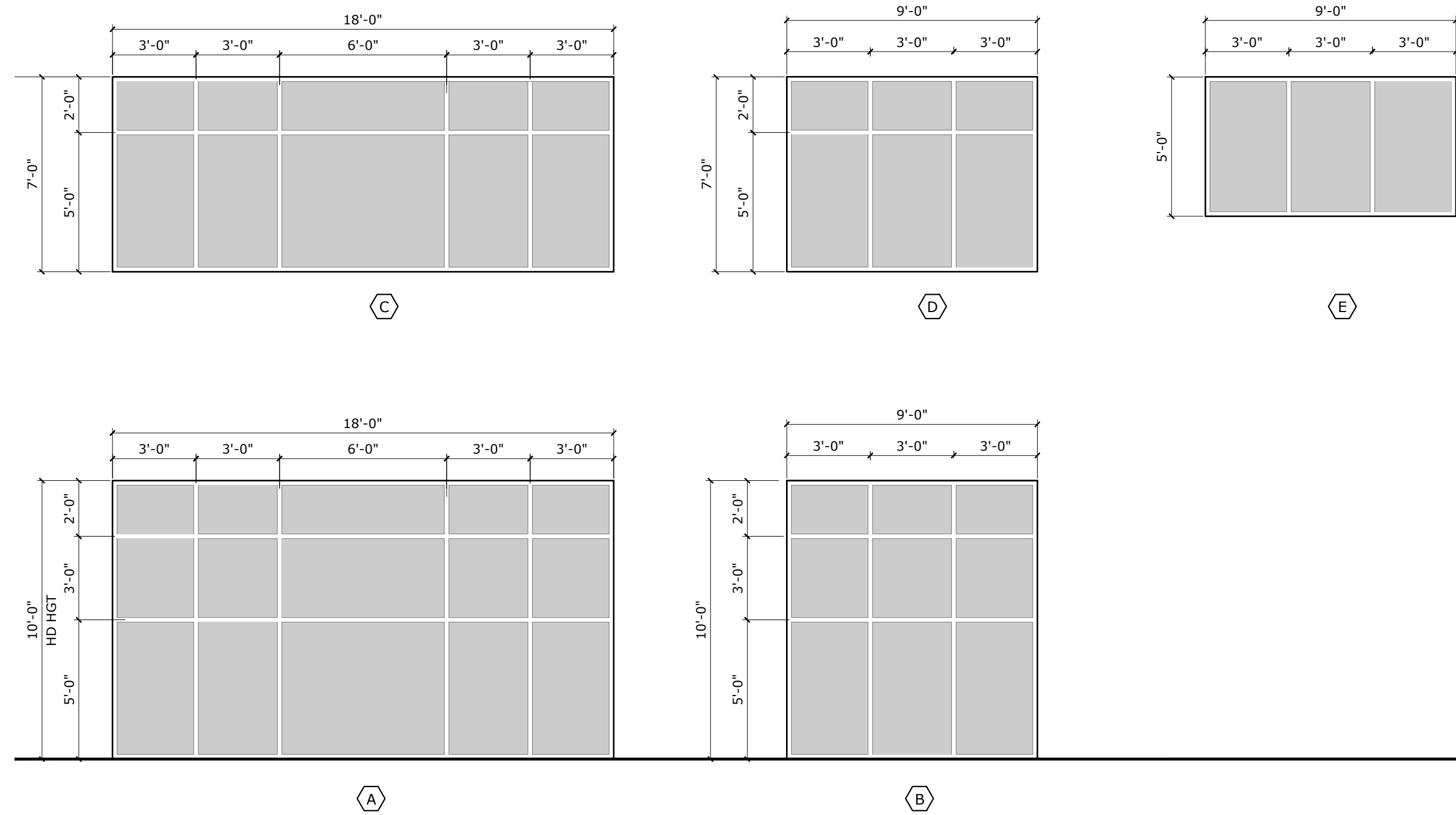
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3 - DOOR ELEVATIONS

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



2 - WINDOW ELEVATIONS

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

EXTERIOR WINDOW
1 - HSJ DETAILS

INT. HINGED DOOR

EXT. STOREFRONT

EXTERIOR DOOR

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

# DOOR SCHEDULE														
DOOR NO.	SIZE			DOOR					FRAME			NOTES: (SEE BELOW)		
	WIDTH	HEIGHT	THICK	MAT.	FINISH	HDW.	TYPE	ELEV.	MDL.	MAT.	FINISH		THOLD	
100	2'3'-0"	8'-0"	1.75	AL	MRF	1	STOREFRONT	A	-	AL	FAC	AL	1,5,6	
100A	3'-0"	8'-0"	1.375	SCW	PTD	2	FLUSH	B	-	WD	PTD	AL	1,2,3,6	
100B	3'-0"	8'-0"	1.75	FBR	PTD	3	FLUSH	B	-	MTL	PTD	AL	1,5,6	
100C	24'-0"	24'-0"	1.75	AL	MFR	4	ROLL UP DOOR	C	-	MTL	FAC		4,6	
101	2'3'-0"	8'-0"	1.75	AL	MRF	1	STOREFRONT	A	-	AL	FAC	AL	1,5,6	
101A	3'-0"	8'-0"	1.375	SCW	PTD	2	FLUSH	B	-	WD	PTD	AL	1,2,3,6	
101B	3'-0"	8'-0"	1.75	FBR	PTD	3	FLUSH	B	-	MTL	PTD	AL	1,5,6	
101C	24'-0"	24'-0"	1.75	AL	MFR	4	ROLL UP DOOR	C	-	MTL	FAC		4,6	
102	2'3'-0"	8'-0"	1.75	AL	MRF	1	STOREFRONT	A	-	AL	FAC	AL	1,5,6	
102A	3'-0"	8'-0"	1.375	SCW	PTD	2	FLUSH	B	-	WD	PTD	AL	1,2,3,6	
102B	3'-0"	8'-0"	1.75	FBR	PTD	3	FLUSH	B	-	MTL	PTD	AL	1,5,6	
102C	24'-0"	24'-0"	1.75	AL	MFR	4	ROLL UP DOOR	C	-	MTL	FAC		4,6	
103	2'3'-0"	8'-0"	1.75	AL	MRF	1	STOREFRONT	A	-	AL	FAC	AL	1,5,6	
103A	3'-0"	8'-0"	1.375	SCW	PTD	2	FLUSH	B	-	WD	PTD	AL	1,2,3,6	
103B	3'-0"	8'-0"	1.75	FBR	PTD	3	FLUSH	B	-	MTL	PTD	AL	1,5,6	
103C	24'-0"	24'-0"	1.75	AL	MFR	4	ROLL UP DOOR	C	-	MTL	FAC		4,6	
HARDWARE LEGEND														
NO. 1 S.S. B.B. HINGES AUTO CLOSER PASSAGE HANDLES/PUSH/PULL KEYED DEADBOLT WEATHER STRIP				NO. 2 S.S. B.B. HINGES S.S. PASSAGE HARDWARE AUTO CLOSER KEYED LOCK				NO. 3 S.S. B.B. HINGES S.S. PASSAGE HARDWARE AUTO CLOSER DEADBOLT/KEYED LOCK PEEP HOLE WEATHER STRIPPING				NO. 4 MFR HARDWARE MANUAL CHAIN OPENING		
DOOR LEGEND														
SCW	STAINED, SOLID CORE WOOD					MTL	METAL DOOR FRAME, WELDED					PTD	PAINTED	
SCM	SOLID CORE METAL					WD	WOOD DOOR FRAME					GL	TEMPERED GLASS DOOR	
HCM	HOLLOW CORE METAL					FAC	FACTORY FINISH					AL	ALUMINUM	
HCW	HOLLOW CORE WOOD					MFR	MANUFACTURER RECOMMENDED							
NOTES														
1. DOOR HARDWARE TO BE SELECTED BY OWNER. 2. INTERIOR DOORS & FRAMES, STYLE & FINISH TO BE SELECTED BY OWNER. 3. DOOR CASING TO BE SELECTED BY OWNER. 4. MANUFACTURER OR APPROVED EQUAL. SEE SPECIFICATIONS FOR CLEARANCES. 5. ALL EXTERIOR DOORS SHALL BE HURRICANE IMPACT RESISTANT. SEE ATTACHED NOA TEST REPORT AS APPLICABLE. SEE DETAILS PROVIDED BY MANUFACTURER. 5.1. FLUSH EXTERIOR DOOR SHALL BE GALVANIZED STEEL ACCESS DOOR. PAINTED FIELD COLOR TO MATCH THE BUILDING. 5.2. ROLL-UP DOORS BY - PAINTED FIELD COLOR TO MATCH BUILDING. 5.3. STOREFRONT YKK AP MODEL # YES 40-PS - COMMERCIAL STOREFRONT SYSTEM OR EQUAL. COLOR WHITE. 6. ENSURE ALL DOORS OPEN & CLOSE WITH THE REQUIRED FORCE & SPEED AS PER FBC 2023 ACCESSIBILITY CODE (§404.2.9).														

XXX FINISH SCHEDULE													
ROOM NO.	ROOM NAME	FLOOR	WALL BASE	WALLS				OTHER FINISHES		CEILINGS		NOTES: (SEE BELOW)	
		TYPE	TYPE	N	E	S	W			MAT'L	HT./A.F.F.		
100	OFFICE	OPEN	-	-	-	-	-			PGW	11'-0"	1,2,3	
100A	WAREHOUSE	OPEN	-	-	-	-	-			OPEN	OPEN	1,2	
100B	MEZZANINE	OPEN	-	-	-	-	-			OPEN	OPEN	1,2	
101	OFFICE	OPEN	-	-	-	-	-			OPEN	11'-0"	1,2,3	
101A	WAREHOUSE	OPEN	-	-	-	-	-			OPEN	OPEN	1,2	
101B	MEZZANINE	OPEN	-	-	-	-	-			OPEN	OPEN	1,2	
102	OFFICE	OPEN	-	-	-	-	-			OPEN	11'-0"	1,2,3	
102A	WAREHOUSE	OPEN	-	-	-	-	-			OPEN	OPEN	1,2	
102B	MEZZANINE	OPEN	-	-	-	-	-			OPEN	OPEN	1,2	
103	OFFICE	OPEN	-	-	-	-	-			OPEN	11'-0"	1,2,3	
103A	WAREHOUSE	OPEN	-	-	-	-	-			OPEN	OPEN	1,2	
103B	MEZZANINE	OPEN	-	-	-	-	-			OPEN	OPEN	1,2	
FINISH LEGEND													
BFC	BROOM FINISHED CONCRETE			PWD	PAINTED WOOD MOULDING, BASE OR TRIM			PGW	PAINTED GYPSUM WALLBOARD				
PC	POLISHED CONCRETE			SWD	STAINED WOOD MOULDING, BASE OR TRIM			GL	PAINTED MOISTURE-RESISTANT GYP. WALLBD				
TILE	CERAMIC FLOOR TILE			VB	VINYL 4" COVE BASE			UNFIN	UNFINISHED WALLS				
EPOXY	EPOXY FLOOR SYSTEM W/ 6"			TCB	6" COVE TILE BASE			FRP	FIBER-REINFORCED PLASTIC				
VCT	VINYL COMPOSITION TILE			OPEN	OPEN TO EARTH			ACT	2X2 ACOUSTICAL CEILING TILE				
NOTES													
1. FINISH CLASSIFICATIONS FOR WALL, CEILING, AND FLOOR FINISHES: INTERIOR WALL & CEILING FINISH REQUIREMENTS AS PER TABLE 803: <div>AREA OCCUPANCY</div> <div>EXIT ENCLOSURES & EXIT PASSAGEWAYS CLASS B</div> <div>CORRIDORS CLASS B</div> <div>ROOMS & ENCLOSED SPACES CLASS C</div>								FLOOR FINISH CLASSIFICATION SHALL BE CLASS II OR GREATER AS PER FBC SECTION 804. 3. PROVIDE (1) COAT OF PRIMER ON ALL WALLS AS APPLICABLE WITH (2) COAT'S JNNT. SMOOTH TEXTURE FINISH. 4. PROVIDE MOISTURE RESISTANT GYPSUM AT SINK AREA (ALL WET LOCATIONS.)					
FLOOR FINISH CLASSIFICATION SHALL BE CLASS II OR GREATER AS PER FBC SECTION 804													
2. FLAME SPREAD AND SMOKE DEVELOPED INDEX FOR ALL FINISHES AS LISTED BELOW: <div>CLASS A FLAME SPREAD INDEX 0-25, SMOKE DEVELOPED INDEX 0-450</div> <div>CLASS B FLAME SPREAD INDEX 26-75, SMOKE DEVELOPED INDEX 0-450</div> <div>CLASS C FLAME SPREAD INDEX 76-200, SMOKE DEVELOPED INDEX 0-450</div>													

X WINDOW SCHEDULE													
WIN. TYPE	SIZE		ROUGH OPENING		MUTTINGS		FINISH		MANUFACTURER (STYLE)	MODEL #/SERIES	TYPE	NOTES: (SEE BELOW)	
	WIDTH	HEIGHT	WIDTH	HEIGHT	COLOR	ELEV.	WINDOW	HARDW.					
A	18'-0"	10'-0"	VERIFY	VERIFY	-	A	-	-	SEE COVERSHEET	YKK AP/YES 20 FS	FIXED	1,3,4,5	
B	9'-0"	10'-0"	VERIFY	VERIFY	-	B	-	-	SEE COVERSHEET	YKK AP/YES 20 FS	FIXED	1,3,4,5	
C	18'-0"	7'-0"	VERIFY	VERIFY	-	C	-	-	SEE COVERSHEET	YKK AP/YES 20 FS	FIXED	1,3,4,5	
D	9'-0"	9'-0"	VERIFY	VERIFY	-	D	-	-	SEE COVERSHEET	YKK AP/YES 20 FS	FIXED	1,3,4,5	
E	9'-0"	5'-0"	VERIFY	VERIFY	-	E	-	-	SEE COVERSHEET	YKK AP/YES 20 FS	FIXED	1,3,4,5	
NOTES													
1. IMPACT RESISTANT WINDOWS: SEE PRODUCT APPROVAL AS APPLICABLE. SEE DETAILS PROVIDED BY MANUFACTURER. 2. MANUFACTURER OR APPROVED EQUAL. 3. PROVIDE PRESCRIPTIVE CODE MINIMUM SHGC & U-FACTORS AS APPLICABLE. REFER TO GLASS SUPPLIER. 4. VERIFY ROUGH OPENING SIZES WITH MANUFACTURER PRIOR TO CONSTRUCTION. 5. INSTALL ALL WINDOWS AS PER PRODUCT APPROVAL AND MANUFACTURER SPECIFICATIONS.													

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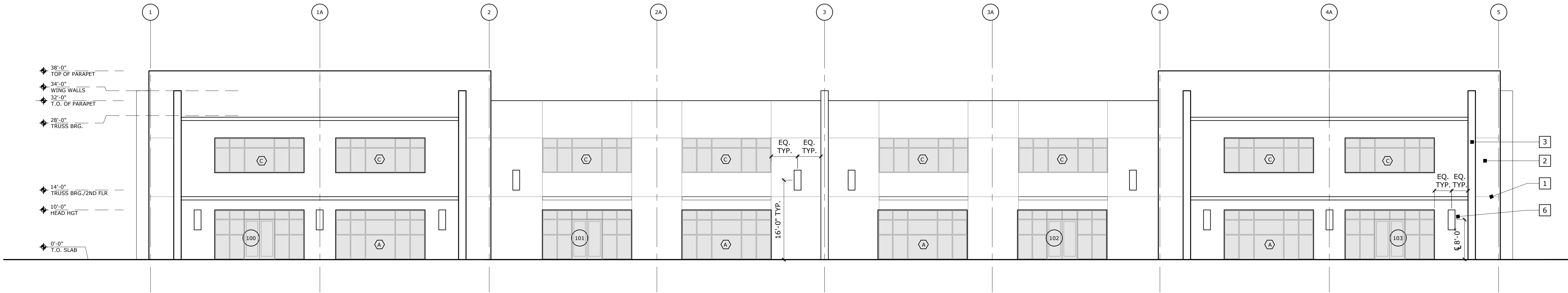
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Project Number
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24-0976
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11-Apr-25
A2.4
Schedules + Details

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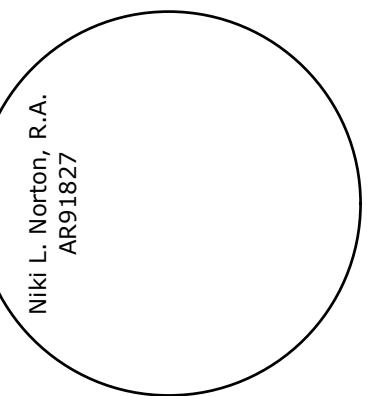


1. All exterior windows and doors shall be hurricane impact resistant.
2. All window and door headers shall align.
3. See Door + Window Schedule.
4. Refer to Structural Drawings for all foundation details, required reinforcing, & foundation wall configuration.
5. See Roof Plan for roofing slopes + scheduled materials.



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Butler Industrial Building
St. Lucie B Blvd.
St. Lucie County

$$_I (xxx) xxx-xxxx$$

A3.2

Building Sections

DEVELOPMENT LENGTH TABLE (IN.)															
f _c (PSI)	REINFORCEMENT TYPE		BAR SIZE												
			#3	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18		
3000 PSI	TENSION	CLASS A LAP SPLICE	CASE 1	TOP	23	29	37	43	63	72	81	91	102	121	162
			OTHERS	17	22	28	33	48	55	62	70	78	93	124	
		CASE 2	TOP	41	43	55	65	76	108	121	137	151	182	242	
		OTHERS	31	33	42	50	58	83	93	105	116	140	186		
	CLASS B LAP SPLICE	CASE 1	TOP	30	38	49	56	82	94	106	119	133	158	211	
		OTHERS	23	29	37	43	63	72	81	91	102	121	162		
		CASE 2	TOP	54	56	72	85	99	141	158	179	197	237	315	
		OTHERS	41	43	55	65	76	108	121	137	151	182	242		
	COMPRESSION			12	15	19	23	27	30	34	39	43	51	68	
	HOOKED			6	6	8	11	14	16	20	23	27	36	55	

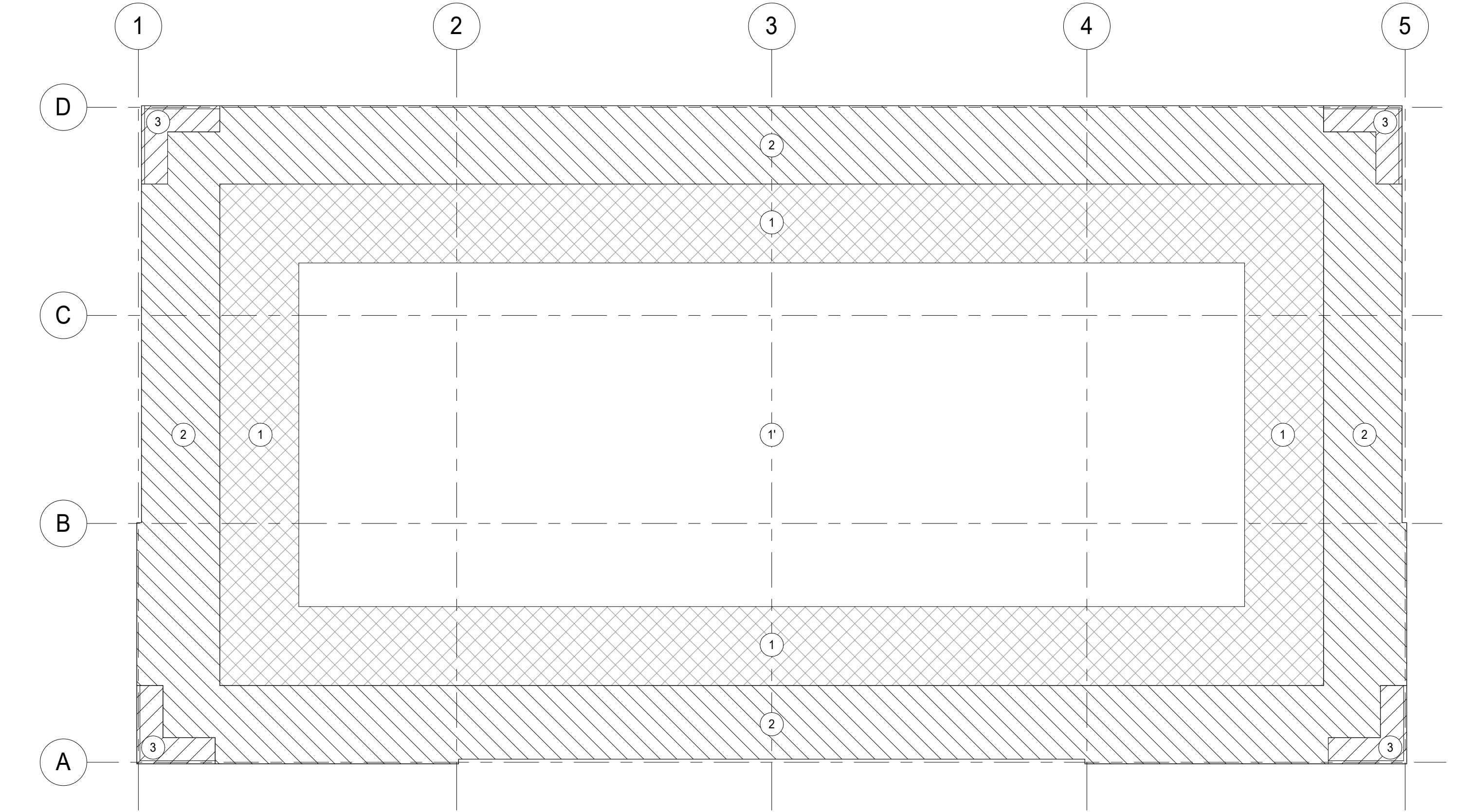
BEAMS & COLUMNS	CASE 1	COVER AT LEAST 1 d _b AND CC SPACING AT LEAST 1 d _b
	CASE 2	COVER LESS THAN 1 d _b AND CC SPACING LESS THAN 1 d _b
ALL OTHERS	CASE 1	COVER AT LEAST 1 d _b AND CC SPACING AT LEAST 2 d _b
	CASE 2	COVER LESS THAN 1 d _b AND CC SPACING LESS THAN 2 d _b

- | LOCATION | f_c (PSI) | MAX AGG SIZE (IN.) | MIN CEMENT (LBS PER CY) | W/C RATIO | AIR CONTENT (%) | SLUMP (IN.) (MIN./MAX.) | MIN. f_c (PSI) @ STRESSING |
|------------|-------------|--------------------|-------------------------|-----------|-----------------|-------------------------|------------------------------|
| FOUNDATION | 3000 | 1 | 750 | 0.45 | 3 | --- | --- |

- | CONCRETE PLACEMENT | REINFORCEMENT SIZE | MINIMUM COVER (IN.) |
|---|--------------------|---------------------|
| DEPOSITED AGAINST EARTH | ALL | 3 |
| FORMED SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH EARTH | #5 & SMALLER | 1 1/2 |
| | #6 THRU #18 | 2 |
| SLABS, WALLS, AND JOISTS | #11 & SMALLER | 3/4 |
| | #14 & #18 | 1 1/2 |
| BEAMS AND COLUMNS | ALL | 1 1/2 |

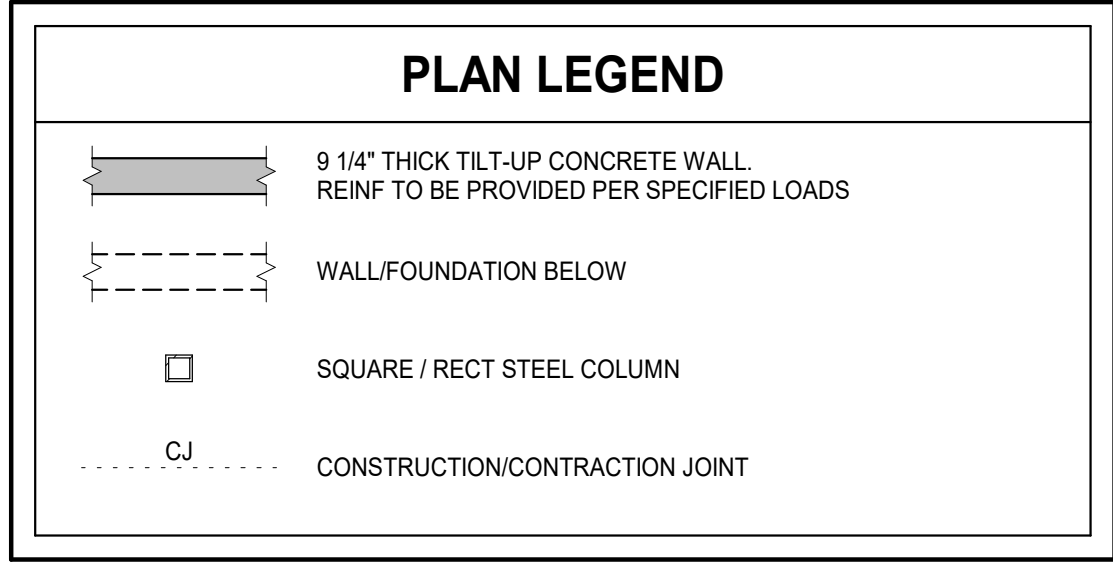
- | STRUCTURAL SHAPE | ASTM SPECIFICATION | MIN YIELD STRENGTH, f_y (KSI) |
|-------------------------|------------------------------------|---------------------------------|
| W-SHAPE | A992 | 50 |
| CHANNEL | A36 | 36 |
| ANGLES | A36 | 36 |
| RECTANGULAR & ROUND HSS | A500, GRADE B | 42 |
| PLATE & BARS | A992 | 36 |
| ANCHOR BOLTS | F1554 w/ WELDABILITY SUPPLEMENT S1 | |
| BOLTS | A325 TYPE-N | |

- | FLAT ROOFS | | TRIBUTARY AREA | | | | | |
|------------|----------------------------------|----------------|----------------|----------------|----------------|----------------|---------------|
| | | ≤ 10 SF | 20 SF | 50 SF | 100 SF | 200 SF | ≥ 500 SF |
| ZONE 1 | SUCTION (-) | -101.0 | -94.3 | -85.5 | -78.8 | -72.2 | -63.4 |
| | PRESSURE (+) | 25.8 | 24.2 | 22.0 | 20.4 | 20.4 | 20.4 |
| ZONE 1 | SUCTION (-) | -58.0 | -58.0 | -58.0 | -58.0 | -49.9 | -39.2 |
| | PRESSURE (+) | 25.8 | 24.2 | 22.0 | 20.4 | 20.4 | 20.4 |
| ZONE 2 | SUCTION (-) | -133.2 | -124.6 | -113.3 | -104.7 | -96.2 | -84.8 |
| | PRESSURE (+) | 58.0 | 55.4 | 52.0 | 49.5 | 46.9 | 43.5 |
| ZONE 3 | SUCTION (-) | -133.2 | -124.6 | -113.3 | -104.7 | -96.2 | -84.8 |
| | PRESSURE (+) | 58.0 | 55.4 | 52.0 | 49.5 | 46.9 | 43.5 |
| WALLS | | | | | | | |
| ZONE 4 | SUCTION (-) | -62.8 | -60.3 | -56.9 | -54.3 | -51.7 | -48.3 |
| | PRESSURE (+) | 58.0 | 55.4 | 52.0 | 49.5 | 46.9 | 43.5 |
| ZONE 5 | SUCTION (-) | -77.3 | -72.2 | -65.4 | -60.3 | -55.1 | -48.3 |
| | PRESSURE (+) | 58.0 | 55.4 | 52.0 | 49.5 | 46.9 | 43.5 |
| PARAPET | | | | | | | |
| ZONE 4P | SUCTION (-)
WINDWARD/LLEEWARD | -142.0 / -67.0 | -132.9 / -64.3 | -120.8 / -60.6 | -111.7 / -57.9 | -102.6 / -55.2 | -90.5 / -51.5 |
| | PRESSURE (+) | 61.8 | 59.1 | 55.5 | 52.7 | 50.0 | 46.4 |
| ZONE 5P | SUCTION (-)
WINDWARD/LLEEWARD | -142.0 / -82.5 | -132.9 / -77.0 | -120.8 / -69.7 | -111.7 / -64.3 | -102.6 / -58.8 | -90.5 / -51.5 |
| | PRESSURE (+) | 61.8 | 59.1 | 55.5 | 52.7 | 50.0 | 46.4 |



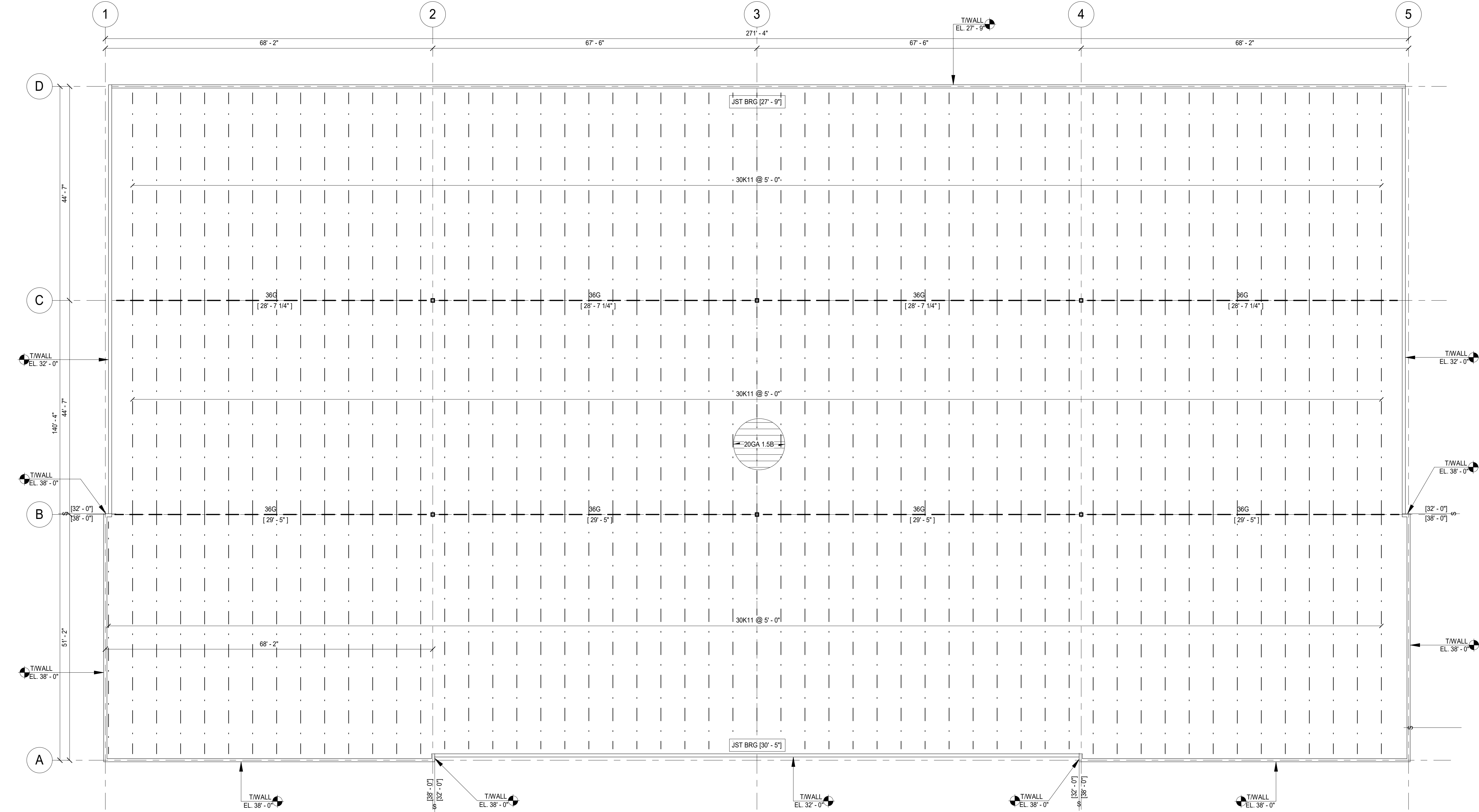
S0.2 N.T.S.

- ## PRESSURES



1. SEE S.O.X SERIES SHEETS FOR GENERAL NOTES, LEGEND, & ABBREVIATIONS.
2. SEE S.S.X FOR TYPICAL DETAILS.
3. VERIFY ELEVATIONS WITH ARCH DOWNS PRIOR TO CONSTRUCTION.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS FOR ALL SLAB EDGES.
5. OPENINGS, DEPRESSIONS, PADS, CURBS, ETC. GC TO VERIFY SIZE AND LOCATION OF SLAB OPENINGS WITH ARCHITECTURAL AND MEP DRAWINGS, PURCHASED EQUIPMENT, AND APPROVED SHOP DRAWINGS. REFER TO NOTES AND DETAILS FOR ADDITIONAL REQUIREMENTS RELATED TO SLAB OPENINGS.
5. GC TO COORDINATE DIMENSIONS OF ELEVATOR OPENINGS AND PITS WITH ACTUAL ELEVATOR SELECTED. PROVIDE ALL NECESSARY EMBED PLATES OR OPENINGS REQUIRED BY MANUFACTURER(S). REFER TO NOTES AND DETAILS FOR ADDITIONAL REQUIREMENTS RELATED TO EMBEDS AND OPENINGS.
6. REFER TO ARCH DRAWINGS FOR SLOPES, DIMENSIONS, GEOMETRY, ELEVATIONS, AND WATER PROOFING.
7. TOP OF FOOTING ELEV. UNO = -1' - 6"

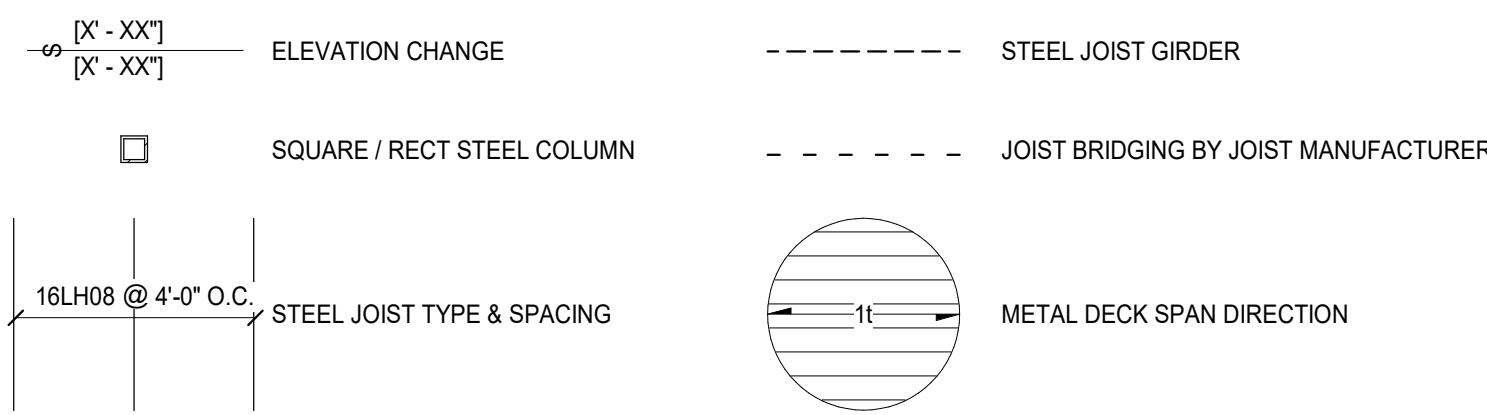
FOOTING SCHEDULE								
MARK	SIZE			REINFORCEMENT				COMMENTS
	WIDTH	LENGTH	THICKNESS	BOTTOM		TOP		
				LONGITUDINAL	TRANSVERSE	LONGITUDINAL	TRANSVERSE	
F8	8' - 0"	8' - 0"	12"	(9) #5	(9) #5			
F10	10' - 0"	10' - 0"	12"	(7) #7	(7) #7			
WF-4.5	4' - 6"	<varies>	12"	(4) #5	#5 @ 14" OC			



ROOF FRAMING PLAN NOTES

- SEE S0.X SERIES SHEETS FOR GENERAL NOTES, LEGEND, & ABBREVIATIONS.
- SEE S5.X FOR TYPICAL DETAILS.
- GC MAY BE REQUIRED TO SHORE THE WALLS/COLUMNS DURING CONSTRUCTION WHILE UNBRACED BY THE ROOF/DECK STRUCTURE. SEE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
- VERIFY ELEVATIONS WITH ARCH DWGS PRIOR TO CONSTRUCTION.
- GC TO COORDINATE ARCHITECTURAL, MECHANICAL, ELECTRICAL, & PLUMBING DRAWINGS WITH STEEL JOIST MANUFACTURERS SHOP DRAWINGS.
- REFER TO ARCH DRAWINGS FOR ROOFING MATERIAL, SLOPES, DIMENSION, GEOMETRY, ELEVATIONS, AND WATER PROOFING.
- GC TO COORDINATE RTU AND OTHER MECHANICAL ROOF TOP EQUIPMENT LOCATION, SIZE, WEIGHT, AND OPENING REQUIREMENTS WITH JOIST MANUFACTURER PRIOR TO JOIST FABRICATION. REFER TO ROOF OPENING DETAIL.
- STRUCTURAL STEEL JOIST SHOP DRAWINGS SHALL BE PROVIDED BY THE MANUFACTURER, SIGNED & SEALED BY A FLORIDA STATE PROFESSIONAL ENGINEER, PRIOR TO FABRICATION.
- JOISTS SHALL BE DESIGNED FOR GRAVITY LOADS, WITH COMBINED WIND AS INDICATED IN THE ALLOWABLE WIND PRESSURE SCHEDULE.
- PROVIDE JOIST BRIDGING W/ END CONNECTIONS TO WALLS AS REQ'D BY MANUFACTURER, AND DELEGATED ENGINEER.
- ALL ROOF DECK SHALL BE 20 GA TYPE 1.5B, REFER TO FOR ROOF DECK FASTENING SCHEDULE. ROOF DECK TO BE CONT OVER 3 OR MORE SPANS (TYP).
- ALL WALLS SHALL HAVE A CONT L4x4x3/8 ANGLE w/ 3/4" TITEN HD ANCHORS @ 24" OC (5" EMBED) FOR DECK SUPPORT. ATTACH DECK TO ANGLES AS NOTED IN THE ROOF DECK FASTENING SCHEDULE. SEE
- PROVIDE CONT L4x4x5/16 ANGLE AT ALL STEEL ROOF DECK PERIMETERS.
- GC IS REQUIRED TO SHORE THE WALLS/COLUMNS DURING CONSTRUCTION WHILE UNBRACED BY THE ROOF/DECK STRUCTURE. SEE STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
- ELEVATIONS SHOWN ON PLAN ARE RELATIVE TO THE PROJECT BASE ELEVATION OF 0' - 0"

PLAN LEGEND



1 ROOF FRAMING PLAN

S1.2 3/32" = 1'-0"

Commercial + Residential

710 SE Ocean Blvd.
Stuart, FL 34996
O: (772) 220-4411
www.n2archdesign.com



Niki L. Norton, R.A.
AR01827

Butler Industrial Building

St. Lucie Blvd.
St. Lucie County

Rev. # Date

Project Number	24-0976
Status	Bid Set
Issue date	11-Apr-25
Sheet	S1.2

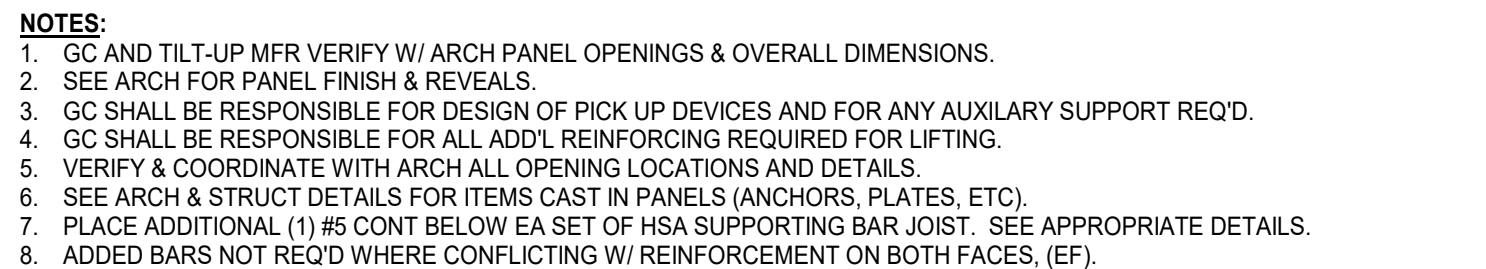
ROOF
FRAMING
PLAN

accord
ENGINEERING

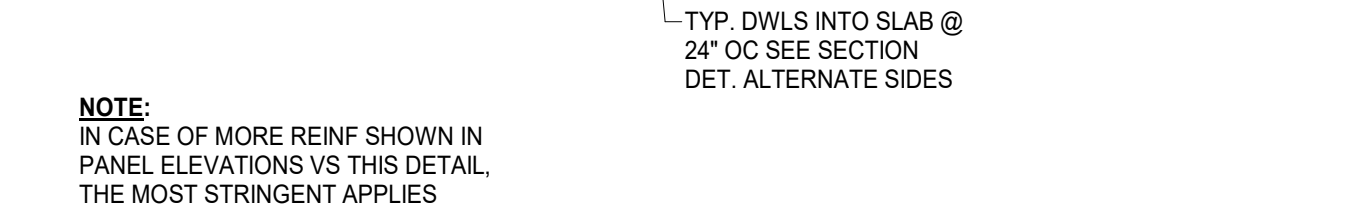
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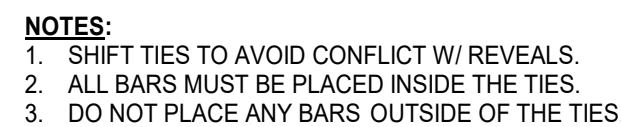
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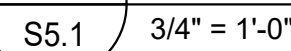
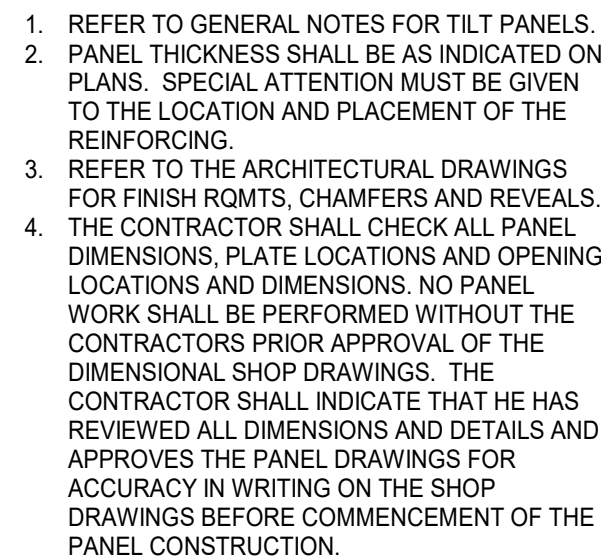
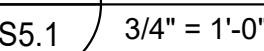
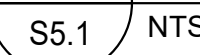
S5.1 NTS



S5.1 $3/4" = 1'-0"$



S5.1 $3/4" = 1'-0"$



The image contains two technical drawings of an HSS (Hollow Structural Steel) section and its plan view.

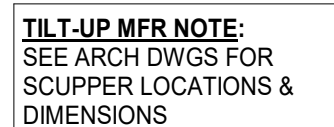
W-SECTION PLAN: This drawing shows a cross-section of the HSS. It is a square with side length B and a width N . There are four anchor bolts, each with a washer, located at the corners. The bolts are labeled "TYP @ 4 CORNERS". A "GROUT HOLE (TYP)" is shown on the right side. A dimension line $E1$ indicates the distance from the top edge to the center of the top bolt. A dimension line T indicates the thickness of the HSS wall.

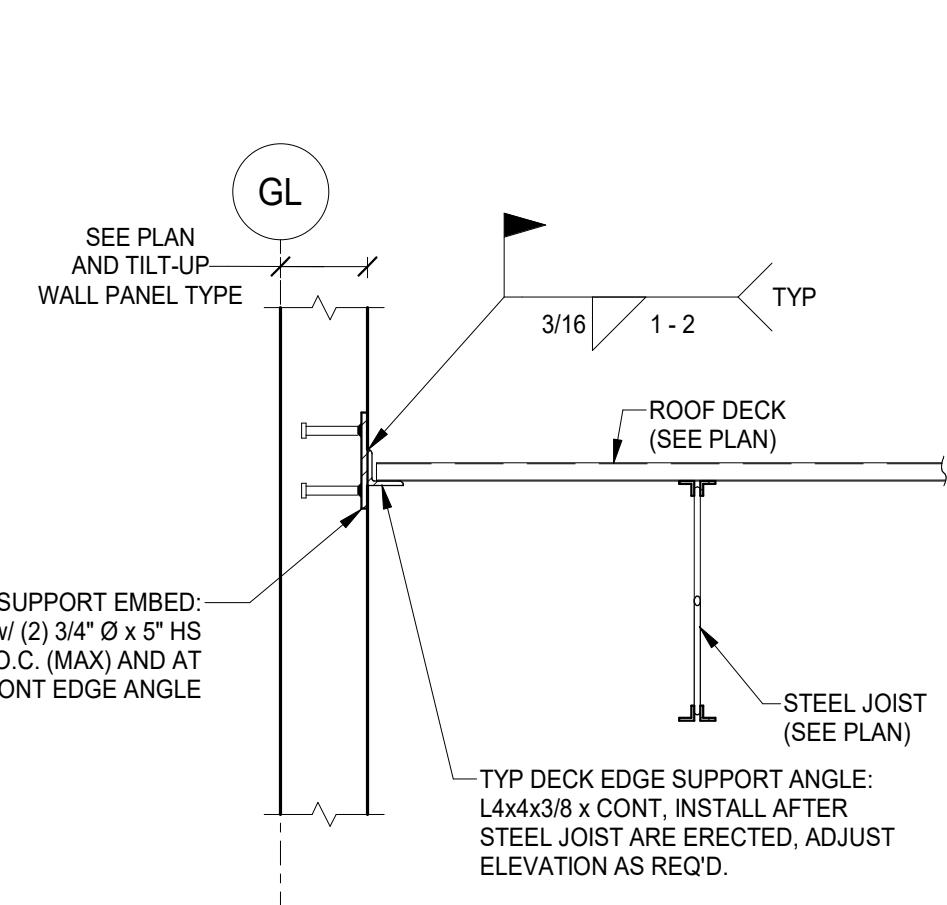
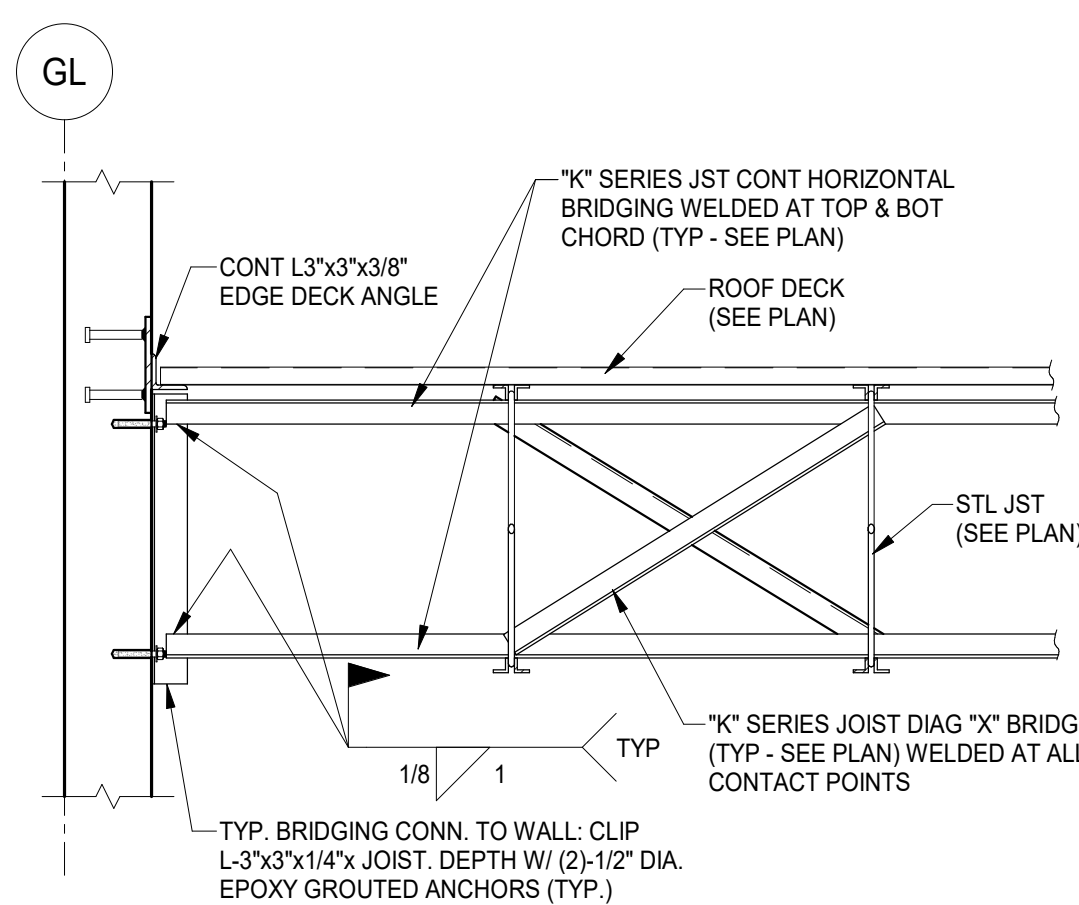
HSS PLAN: This drawing shows the top view of the HSS. It is a square with side length B and a width N . There are four anchor bolts, each with a washer, located at the corners. The bolts are labeled "TYP @ 4 CORNERS". A "GROUT HOLE (TYP)" is shown on the right side. A dimension line $E1$ indicates the distance from the top edge to the center of the top bolt. A dimension line T indicates the thickness of the HSS wall.

S5.1 $3/4" = 1'-0"$

S5.1 $1'' = 1'-0''$

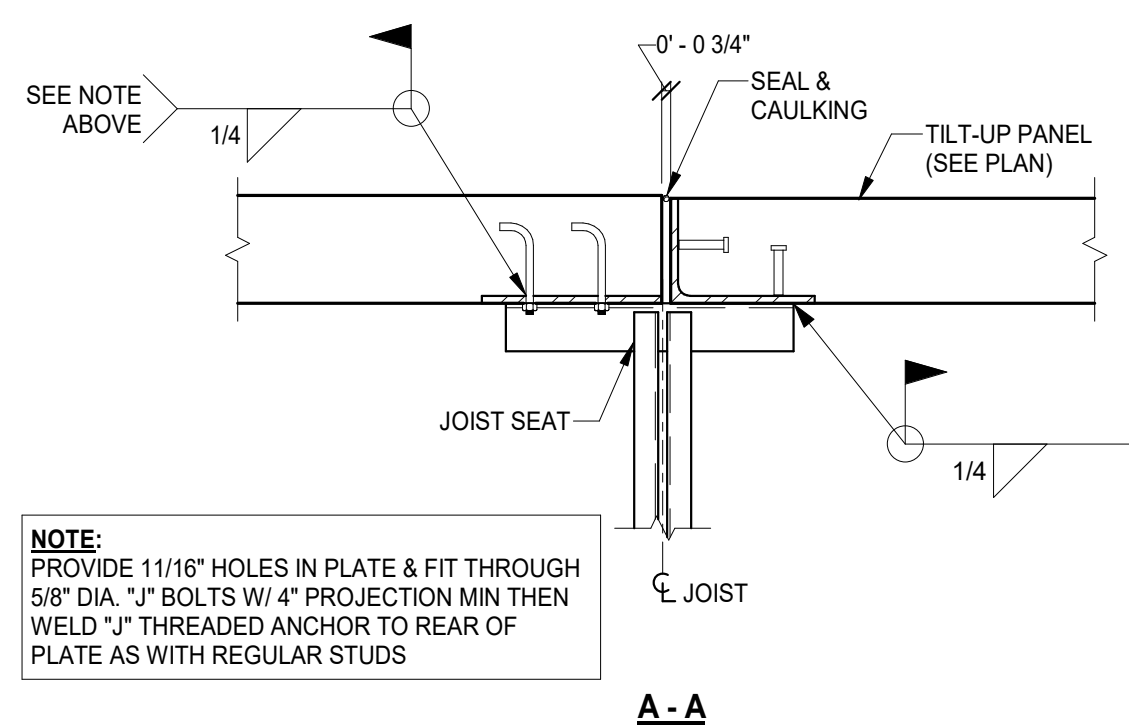
S5.1 $1\frac{1}{2}'' = 1'-0''$





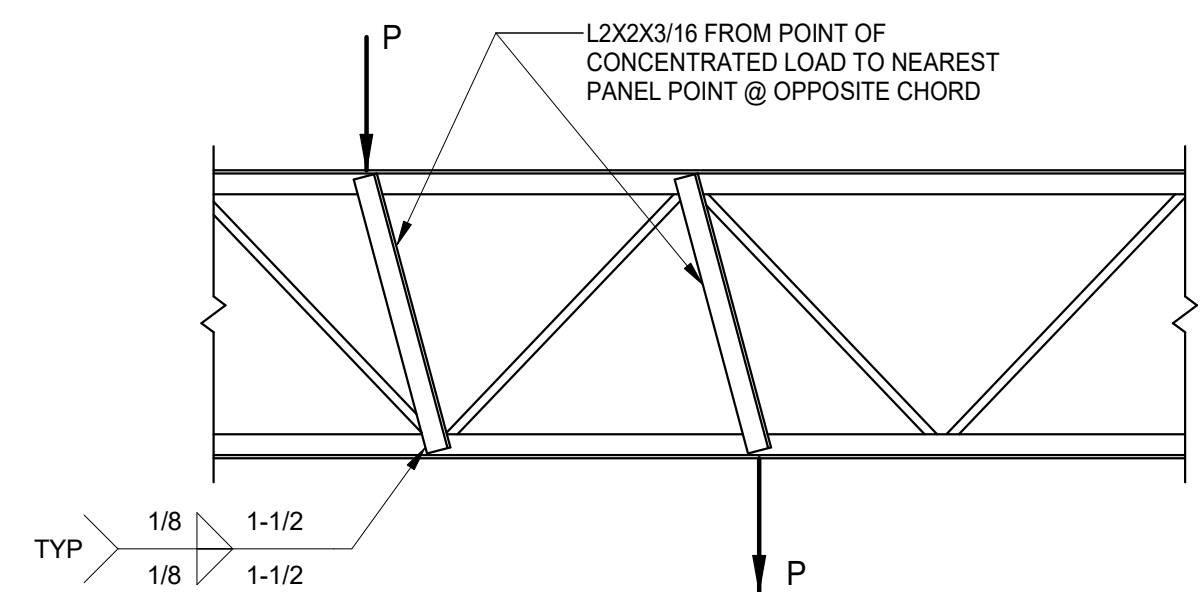
JOIST BRIDGING CONN. AT TILT-UP WALL PANEL

S5.3 $3/4" = 1'-0"$



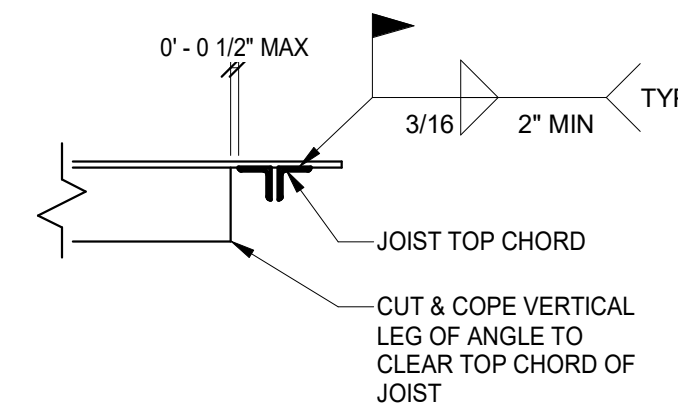
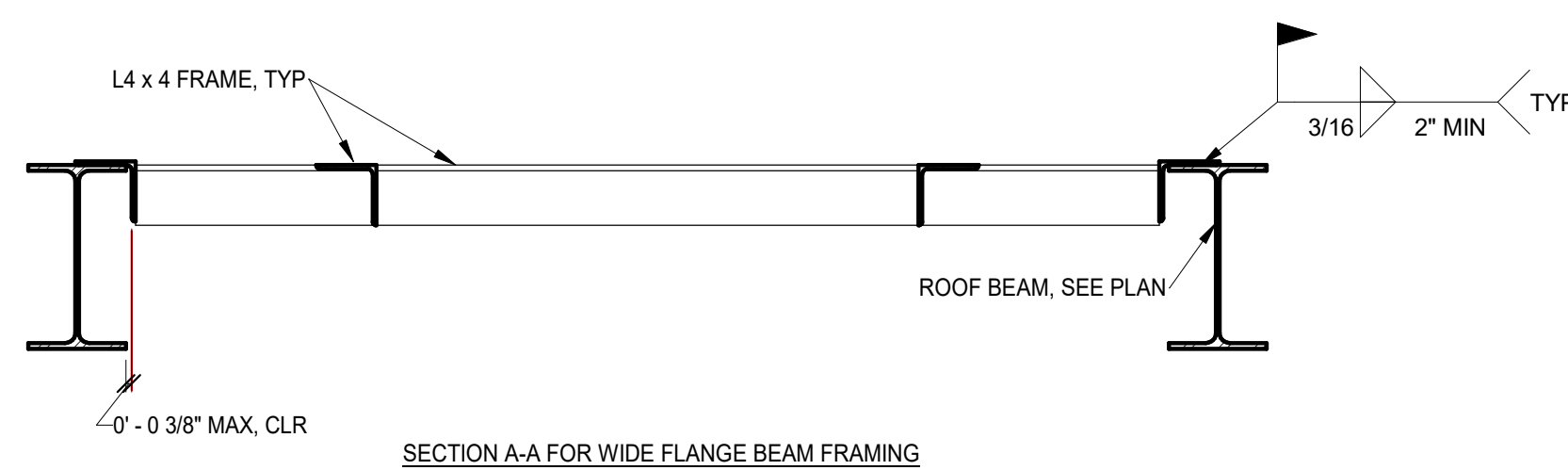
6 TYP ROOF DECK SUPPORT AT WALL PANEL JOINT

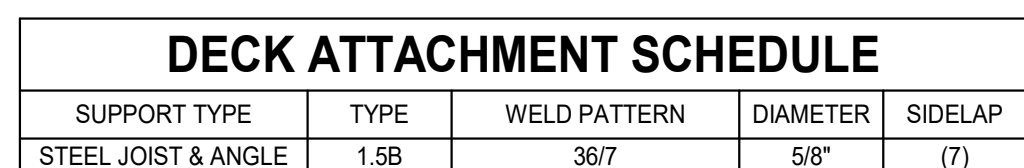
S5.3	$3/4" = 1'-0"$
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6 TYP ROOF DECK SUPPORT AT WALL PANEL JOINT

S5.3 $3/4" = 1'-0"$





BUTLER INDUSTRIAL BUILDING LIGHTING FIXTURE SCHEDULE											
TYPE	DESCRIPTION	MANF.	CATALOG NUMBER	VOLTAGE	KELVIN	LUMENS	LAMP TYPE	DIMMING	WATTAGE	MOUNTING	NOTES
INTERIOR LIGHTING											
A	2'X4' LED PANEL	METALLUX	24CGT6-L3C3	120-277	LED (3500, 4000, 5000K)	8600	LED	0-10V	59.4	RECESSED, SURFACE, OR PENDANT	
AE	2'X4' LED PANEL WITH EMERGENCY	METALLUX	24CGT6-L3C3-EL7W	120-277	LED (3500, 4000, 5000K)	8600	LED	0-10V	59.4	RECESSED, SURFACE, OR PENDANT	
B	2X4 CRUIZE ST SELECTABLE TROFFER	METALLUX	24CZ5C73-LNV	120-277	LED (3000,3500, 4000K)	3900	LED	0-10V	46.8	RECESSED	
BE	2X4 CRUIZE ST SELECTABLE TROFFER WITH EMERGENCY	METALLUX	24CZ5C73-LNV-EL7W	120-277	LED (3000,3500, 4000K)	3900	LED	0-10V	46.8	RECESSED	
C	LHB5 LED HIGH BAY	METALLUX	LHB-2436-LNV-L84050-U	120-277	LED (4000, 5000K)	24000	LED	0-10V	172	SURFACE, SUSPENDED	
CE	LHB5 LED HIGH BAY WITH REMOTE EMERGENCY	METALLUX	LHB-2436-LNV-L84050-U-EL20W-REM	120-277	LED (4000, 5000K)	24000	LED	0-10V	172	SURFACE, SUSPENDED	
D	4" LED RECESSED LED DOWNLIGHT	HALO	LCR412R9F-SE020-HL4R5MF	120-277	LED (2700, 3000, 3500, 4000, 5000K)	1000	LED	0-10V	14.5	RECESSED	
DE	4" LED RECESSED LED DOWNLIGHT WITH EMERGENCY BATTERY	HALO	LCR412R9F-SE040-HL4R5MF	120-277	LED (2700, 3000, 3500, 4000, 5000K)	1000	LED	0-10V	14.5	RECESSED	
EX1	EDGE LIT EXT	SURELITES	SC070G	120-277	N/A	N/A	LED	N/A	2.5	UNIVERSAL	
EX2	LED EMERGENCY LIGHT	SURE-LITES	APEL	120/277	N/A	N/A	LED	N/A	0.33	SURFACE	
EXTERIOR LIGHTING											
S1	EXTERIOR WALL SCONCE	SPECTRUM	CO618SQUOX1-20L-MD-20L-MD-40-EXWLV-TCY-SQ-M3-MB	120/277	4000	4000	LED	0-10V	43.4	SURFACE	
S2	ARCHITECTURAL WALL PACK	INVUE	COV-V46-840-U-T4FT-BK-WP52X	120/277	4000	10000	LED	0-10V	106W	SURFACE	
FIXTURE SCHEDULE NOTES											
GENERAL NOTES											
*ANY REMOTE PUSH TO TEST BUTTONS NEED TO BE COORDINATED WITH ARCHITECT PRIOR TO INSTALL.											
*ALL REMOTE MOUNTED DRIVERS NEED TO BE COORDINATED WITH ARCHITECT PRIOR TO INSTALL.											
FOR QUESTIONS PERTAINING TO THIS FIXTURE SCHEDULE PLEASE CONTACT ANDREW TUCKER @ LIGHTING DYNAMICS- 954-299-5937											

ELECTRICAL SPECIFICATIONS

PART 1 – GENERAL

- A. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL ARCHITECT/ENGINEER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.
- B. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF.
- C. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION) AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION. THE SPECIFICATION, CODES AND STANDARDS LISTED BELOW ARE UTILIZED IN THIS PROJECT.
- NATIONAL ELECTRICAL CODE (NFPA-70)
 - CODE FOR SAFETY TO LIFE (NFPA-101)
 - STANDARD FOR THE INSTALLATION, MAINTENANCE AND USE OF LOCAL PROTECTIVE SIGNALING SYSTEMS (NFPA-72)
 - UNDERWRITERS' LABORATORIES (UL)
 - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
 - AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
 - FEDERAL SPECIFICATION (FED. SPEC.)
 - INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA)
 - FLORIDA BUILDING CODE, FBC 2023 EDITION
 - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
 - ST. LUCIE COUNTY BUILDING CODE, (AMENDMENTS TO FLORIDA BUILDING CODE FBC 2023)
 - ADDITIONALLY, DESIGNS, WORK PRACTICES AND CONDITIONS MUST CONFORM WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA)
- D. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.
- E. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- F. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
- G. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY.
- H. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL MEAN THAT THE CONTRACTOR IS TO FURNISH, INSTALL AND CONNECT COMPLETE.

PART 2 – PRODUCTS

- A. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. (EXCEPT AS NOTED OTHERWISE FOR CONTROL WIRING). ALL CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER WITH "THIN-THIN" INSULATION UNLESS OTHERWISE NOTED.
- B. ELECTRICAL METALLIC TUBING (EMT) SHALL BE OF BEST QUALITY STEEL, SMOOTH INSIDE AND OUT AND SHALL BE HOT-DIPPED GALVANIZED.
- C. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS
- D. IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- I. RIGID NONMETALLIC CONDUIT SHALL BE SCHEDULE 40 PVC.
- E. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
- F. PANELBOARDS:
- CURRENT CARRYING BUSES SHALL BE COPPER. GROUND BUS BARS SHALL BE COPPER.
 - ALL CIRCUIT BREAKERS SHALL BE BOLT ON. PLUG-IN BREAKERS ARE NOT ACCEPTABLE.
 - CIRCUIT BREAKERS USED AS SWITCHES IN FLUORESCENT OR HID LIGHTING CIRCUITS SHALL BE LISTED AND MARKED "SWD"
 - ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR TYPE.
 - A.I.C. RATINGS SHALL BE AS INDICATED ON PANELBOARD SCHEDULES.
 - ALL PANELBOARDS SHALL BE FURNISHED WITH PLASTIC LAMINATE NAMEPLATES WITH 1/4" ENGRAVED LETTERING FOR PANEL IDENTIFICATION.
 - ALL PANELBOARDS SHALL BE PROVIDED WITH TYPE-WRITTEN DIRECTORY OF BRANCH CIRCUIT DESIGNATIONS.
- G. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK. ENCLOSURES SHALL BE NEMA-1 FOR INDOOR LOCATIONS, NEMA 3R FOR OUTDOOR LOCATIONS OR AS OTHERWISE NOTED.
- H. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC AS INDICATED ON THE ELECTRICAL DRAWINGS, WITH OVERLOAD RELAYS IN EACH PHASE.
- WIRING DEVICES (GENERAL PURPOSE RECEPTACLES AND WALL SWITCHES) COLOR SHALL BE COORDINATED WITH CLIENT.

PART 3 – EXECUTION

- A. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:
- 208/120 VOLTS, 3 PHASE, 4-WIRE SYSTEM: UNGROUNDED CONDUCTORS: 1 BLACK, 1 RED AND 1 BLUE. GROUNDED (NEUTRAL) CONDUCTOR; WHITE. GROUNDING CONDUCTORS SHALL BE GREEN.
 - 480/277 VOLT, 3-PHASE, 4-WIRE SYSTEM: UNGROUNDED CONDUCTORS: 1 BROWN, 1 YELLOW, AND 1 PURPLE. GROUNDED (NEUTRAL) CONDUCTORS; GREY. GROUNDING CONDUCTORS SHALL BE GREEN.
 - BRANCH CIRCUIT WIRING (#8 AND SMALLER) SHALL BE COLOR CODED BY CONTINUOUS INSULATION COLOR AND FEEDERS (#4 AND LARGER) SHALL BE CODED AT ALL JUNCTION OR PULL POINTS (EXCEPT LB'S OR LBD'S) USING COLOR MARKERS OR PLASTIC TAPE MANUFACTURED FOR THE PURPOSE.
- I.
- B. WIRING METHODS
- ALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE NOTED, SPECIFIED OR AS SPECIFICALLY PROHIBITED BY THE AUTHORITY HAVING JURISDICTION. ALL FITTINGS AND COUPLINGS FOR EMT CONDUIT SHALL BE ALL STEEL. RAIN TIGHT COMPRESSION TYPE OR ALL STEEL CONCRETE TIGHT SET SCREW TYPE.
 - SCHEDULE 40 PVC CONDUIT, WITH FITTINGS AND COUPLINGS APPROPRIATE FOR THE USE, SHALL BE INSTALLED UNDERGROUND OR BELOW SLABS ON GRADE.
 - TYPE MC CABLE WITH ALUMINUM ARMOR AND INTERNAL GROUND IS ACCEPTABLE FOR USE AS GENERAL BRANCH CIRCUIT WIRING FOR CIRCUITS 20 AMPERES OR LESS AND CONCEALED IN WALLS OR ABOVE SUSPENDED CEILING AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- C. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. AND LOCAL CODES.
- D. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
- E. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- F. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES, AND SHALL BE FULLY COORDINATED WITH THEM PRIOR TO COMMENCEMENT OF WORK.
- G. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND WIRING DEVICES, FOR ALL OUTLETS AS INDICATED.
- H. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF NEC, NEMA, AND IEEE.
- CONTRACTOR SHALL SUBMIT AT LEAST FIVE (5) SETS OF SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF HIS WORK.
- K. ALL LAY-IN LIGHTING FIXTURES SHALL BE SECURED TO THE SUSPENDED CEILING GRID AT EACH CORNER. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.
- M. ALL ELECTRICAL POWER WIRING FOR THE HVAC SYSTEM INCLUDING WIRING THRU LINE VOLTAGE CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- N. THE CONTRACTOR SHALL CONFIRM WITH THE ELECTRICAL UTILITY COMPANY ANY AND ALL REQUIREMENTS SUCH AS: METERING EQUIPMENT REQUIREMENTS AND METERING EQUIPMENT LOCATION, TRANSFORMER SIZE AND LOCATION OR SERVICE POINT, CONDUIT ENTRY AND LUG SIZE RESTRICTIONS. THE CONTRACTOR SHALL SCHEDULE ALL REQUIRED DOWN TIME FOR THE OWNERS CONFIRMATION.
- ANY CONFLICTS AND DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
- O. PER NEC 210.8(B)(2) ALL 15- AND 20-AMPERE, 125-VOLT RECEPTACLES IN NONDWELLING-TYPE KITCHENS TO BE GFCI PROTECTED.

P. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3% DESIGN LOAD. FBC 2023 FBC ENERGY CONSERVATION SECTION 405.7.3.

Q. FEEDER CONDUCTORS SHALL BE SIZED FOR A MAXIMUM OF 2% VOLTAGE DROP PER 405.7.3.

ELECTRICAL SHEET INDEX

E0.1	ELECTRICAL NOTES, LEGEND & INDEX
E2.1	LIGHTING PLAN
E3.1	POWER PLAN
E5.1	ELECTRICAL RISER DIAGRAM

ELECTRICAL LEGEND

▽	TELEPHONE OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
▼	DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
✚	TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNTED ABOVE COUNTER, SEE ARCHITECTURAL DRAWING FOR SPECIFIC REQUIREMENTS.
▽	TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT STUBBED OUT FROM WALL 6" ABOVE CEILING. MOUNT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
▽	TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT RUN TO THE NEAREST STUD WALL AND STUBBED OUT FROM WALL 6" ABOVE CEILING. PROVIDE BRASS COVER PLATE AND CARPET FLANGE.
⌂	TELEVISION RECESSED OUTLET. LEGRAND "TV1MMTVSSWCC2". MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS OTHERWISE NOTED.
⊙	20 AMP SINGLE RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
⊙	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
⊙	20 AMP QUADRUPLX RECEPTACLE (NEMA 5-20R) MOUNTED AT 18" A.F.F. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE.
⊙ GFI	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNT AT 18" A.F.F. TO CENTER LINE OF OUTLET. UNLESS NOTED OTHERWISE.
⊙	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) MOUNTED ABOVE COUNTER. SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS.
⊙	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R) WITH ISOLATED GROUND, MOUNT AT 18" A.F.F. TO CENTERLINE OF OUTLET UNLESS OTHERWISE NOTED.
⊙	20 AMP QUADRUPLX RECEPTACLE (NEMA 5-20R) WITH ISOLATED GROUND, MOUNT AT 18" A.F.F. TO CENTERLINE OF OUTLET UNLESS OTHERWISE NOTED.
⊙	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R), RECESS FLOOR MOUNTED. PROVIDE BRASS COVER PLATE AND CARPET FLANGE.
⊙	20 AMP DUPLEX RECEPTACLE (NEMA 5-20R), CEILING MOUNTED.
⊙	SPECIAL-PURPOSE RECEPTACLE
⊙	JUNCTION BOX
⊙	SINGLE GANG JUNCTION BOX FOR POWER CONNECTION TO MODULAR FURNITURE SYSTEM. INSTALL IN EXACT MANNER AS DIRECTED BY FURNITURE SUPPLIER.
⊙	DOUBLE GANG JUNCTION BOX FOR TELEPHONE/DATA CONNECTION TO MODULAR FURNITURE SYSTEM. INSTALL IN EXACT MANNER AND LOCATION AS DIRECTED BY FURNITURE SUPPLIER. EXTEND (2) 3/4" EMPTY CONDUITS FROM JUNCTION BOX TO ABOVE CEILING AND TERMINATE WITH INSULATING BUSHING 6" FROM WALL.
⊙	TELE/POWER POLE FOR TELEPHONE/DATA/POWER CONNECTION TO MODULAR FURNITURE 8 WIRE SYSTEM (SEE DETAIL THIS SHEET). INSTALL IN EXACT MANNER AND LOCATION AS DIRECTED BY FURNITURE SUPPLIER, WIREMOLD CATALOG # 250TP-4D W/IVORY FINISH.
⊙	SPECIAL PURPOSE RECEPTACLE MOUNTED BELOW RAISE FLOOR.
⊙	EXHAUST FAN. SEE MECHANICAL DRAWNGS FOR SPECIFICATIONS.
\$	SINGLE POLE, 20 AMP, SWITCH. MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
\$	3-WAY, 20 AMP, SWITCH. MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
\$	SINGLE POLE, 20 AMP, SWITCH WITH DIMMER. MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
\$	MOTOR RATED SWITCH
\$	VACANCY SENSOR SWITCH, WATTSTOPPER, MOUNT 46" A.F.F. TO CENTERLINE OF SWITCH UNLESS OTHERWISE NOTED.
\$	TWO POLE, 30 AMP SWITCH. MOUNT ADJACENT EQUIPMENT TO BE CONTROLLED.
⊗	FACTORY MOUNTED DISCONNECT/STARTER (SEE MECHANICAL SCHEDULE)
⊗	FUSIBLE DISCONNECT SWITCH A = POLES, B= FRAME SIZE, C= FUSE RATING
⊗	FUSIBLE MOTOR STARTER DISCONNECT SWITCH A = POLES, B= NEMA SIZE, C= FUSE RATING
⊕	GROUNDING ELECTRODE & CONDUCTOR SYSTEM
⌂	TRANSFORMER
⌂	ELECTRICAL PANELBOARD
—	TELEPHONE WOOD BACKBOARD
WP	WEATHERPROOF
T/C	TIME CLOCK
RE	RELOCATED
E	EXISTING TO REMAIN
A.F.F.	ABOVE FINISH FLOOR
⊙	CEILING MOUNTED DUAL TECHNOLOGY MOTION SENSOR BY WATTSTOPPER.
⊙ LV	CEILING MOUNTED LOW VOLTAGE DUAL TECHNOLOGY MOTION SENSOR BY WATTSTOPPER.
⊙ DS	CEILING MOUNTED DAY LIGHTING SENSOR. SENSOR TO CONTROL THE DIMMING OF ALL FIXTURES WITHIN 15' OF THE WINDOWS WITH IN ROOM.

ELECTRICAL NOTES

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PROJECT MANAGER: JOHN MAYR



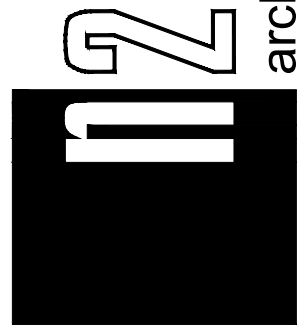
405 Angle Rd
Fort Pierce, Florida 34947
Phone 954.448.0792
jmayr@kammconsulting.com

ENGINEER OF RECORD
Brady L. Brown Florida License #58232

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710 SE Ocean Blvd.
Shuart, FL 34966
O: (772) 220-4411
www.n2archdesign.com



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Butler Industrial Building

St. Lucie B Ivd.
St Lucie County

(xxx) xxx-xxxx

Rev. #	Date
Project Number	24-0976
Status	Bid Set
Issue date	11-Apr-25
Sheet	E0.1



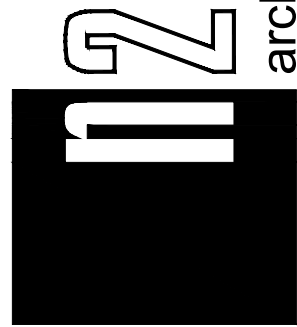
- ① ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOX FOR EXTERIOR EMERGENCY EGRESS LIGHT. CIRCUIT THRU PHOTOCELL/ TIMECLOCK.
- ② ELECTRICAL CONTRACTOR TO PROVIDE OVERRIDE SWITCH.

LIGHTING PLAN

E2.1

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_ ,
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Stuart
O: (772) 325-1111
www.n2architects.com


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- ① ELECTRICAL CONTRACTOR TO PROVIDE 2" CONDUIT FOR TELEPHONE/DATA SERVICE. COORDINATE DEMARKATION POINT IN FIELD PRIOR TO ROUGH-IN.
- ② MAIN ELECTRICAL SERVICE LOCATION. REFER TO RISER DIAGRAM SHEET E5.1.
- ③ ELECTRICAL CONTRACTOR TO PROVIDE 2-1/2" CONDUIT FOR FUTURE 400 AMP TENANT PANEL.
- ④ ELECTRICAL CONTRACTOR TO PROVIDE SIGN CIRCUIT. CIRCUIT THRU PHOTOCELL/TIMECLOCK. SEE EXTERIOR ELEVATIONS FOR SIGNAGE LOCATIONS.

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PROJECT MANAGER: JOHN MAYR

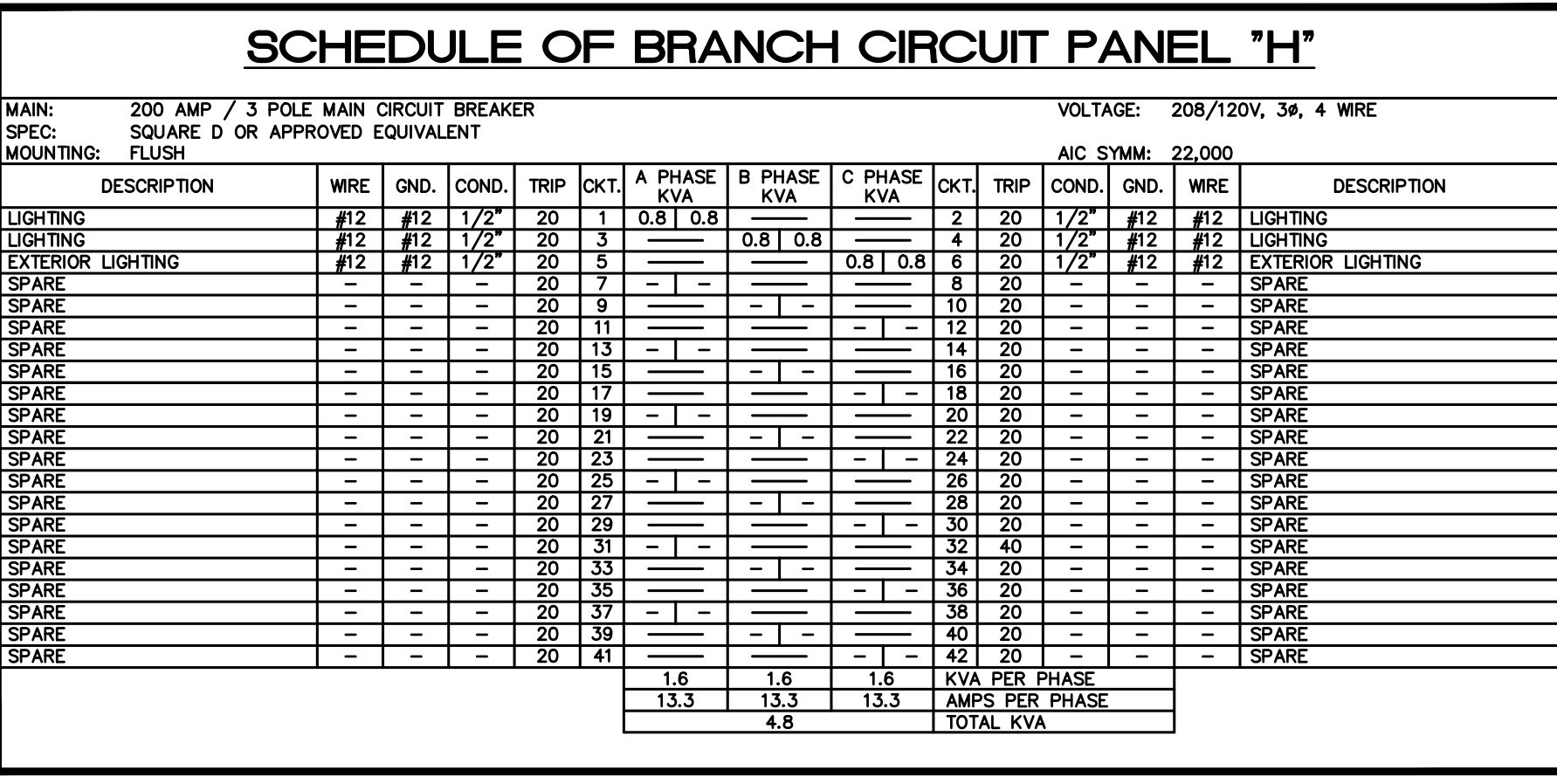
 **KAMM**
Consulting

405 Angle Rd
Fort Pierce, Florida 34947
Phone 954.448.0792
jmayr@kammconsulting.com

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① PROVIDE ROOF CAP FOR FUTURE EXHAUST CONNECTION.

MECHANICAL PLAN

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-
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The logo for n2arch, featuring a large black square with the white text 'n2' inside, and the word 'arch' in a smaller, black, sans-serif font to the right.

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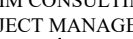
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SANITARY PLAN

KAMM CONSULTING PROJECT #: 2025-0053
PROJECT MANAGER: JOHNN MAYR

 **KAMM**
Consulting

405 Angle Rd
Fort Pierce, Florida 34947
Phone 954-448-0792
jmayr@kammconsulting.com

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