File Attachments for Item:

24. CONSIDERATION OF APPROVAL, ACCEPTANCE, REJECTION, AMENDMENT, AND/OR POSTPONEMENT OF AMENDMENT NO. FIVE TO CONTRACT K-2021-97: BY AND BETWEEN THE NORMAN MUNICIPAL AUTHORITY AND GE JOHNSON CONSTRUCTION COMPANY INCREASING THE CONTRACT AMOUNT BY $333,876 FOR A REVISED CONTRACT AMOUNT OF $42,011,304 FOR CONSTRUCTION MANAGEMENT AT-RISK SERVICES FOR THE CONSTRUCTION OF THE YOUNG FAMILY ATHLETIC CENTER.

CITY OF NORMAN, OK

STAFF REPORT

MEETING DATE: 8/22/2023

REQUESTER: Jason Olsen, Director of Parks and Recreation

PRESENTER: Jason Olsen, Director of Parks and Recreation

ITEM TITLE: CONSIDERATION OF APPROVAL, ACCEPTANCE, REJECTION, AMENDMENT, AND/OR POSTPONEMENT OF AMENDMENT NO. FIVE TO CONTRACT K-2021-97: BY AND BETWEEN THE NORMAN MUNICIPAL AUTHORITY AND GE JOHNSON CONSTRUCTION COMPANY INCREASING THE CONTRACT AMOUNT BY $333,876 FOR A REVISED CONTRACT AMOUNT OF $42,011,304 FOR CONSTRUCTION MANAGEMENT AT-RISK SERVICES FOR THE CONSTRUCTION OF THE YOUNG FAMILY ATHLETIC CENTER.

BACKGROUND:

In October of 2015, Norman citizens passed the Norman Forward Initiative, funding various projects through a ½% sales tax increase over 15 years. The Norman Forward Initiative included projects to construct a new Multi-Sport Complex and Indoor Aquatic Facility.

The Multi-Sport Complex and Indoor Aquatic Facility were initially proposed as separate projects. After extensive public input and consideration by the City Council, acting as Trustees of the Norman Municipal Authority (NMA), these projects were combined into one more extensive project in 2018, located at the southeast corner of 24th Avenue NW and Rock Creek Road. This new sports and aquatic complex will include eight full-sized basketball or 12 volleyball courts; a 25-meter, eight-lane lap pool; a 25-yard, four-lane warm-up pool; concession stands; retail space; administration offices; and, through a partnership with Norman Regional Health System (NRHS), a health and wellness clinic to be placed between the multi-sports and aquatic complexes.

Oklahoma City firm Frankfurt, Short, Bruza (FSB) was selected as the project's architectural and engineering (A/E) consultant in March 2018. The building and the project were named the Young Family Athletic Center ("YFAC") in July of 2021 (K-2122-27) after the Trae Young Family Foundation (TYFF) agreed to donate $4,000,000 to the construction of the building. NRHS has committed a minimum of $6.7 million through a contract approved by the City Council in June of

2023 (K-2122-99) towards constructing a human sports and performance clinic inside the YFAC called "N-Motion."

DISCUSSION:

On February 9, 2021, the NMA/City Council approved Contract K-2021-97 with GE Johnson Construction Company to provide construction management at-risk (CMaR) services for the YFAC project. The initial contract amount of $85,000 was approved to provide pre-construction services, which included plan review, design assistance, bidding services, and value engineering.

On September 14, 2021, NMA/City Council approved Amendment / Guaranteed Maximum Price (GMP) #1, which included earthwork, site clearing, and mass excavation; estimating and construction contingencies; general conditions for the entire project; and indirect costs, which included bonding, insurance, and CMaR fees. The total for GMP #1 was $3,404,474 (making a then-cumulative total for Contract K-2021-97 of $3,489,474).

On November 30, 2021, NMA/Council approved Amendment / GMP #2, which included building concrete, steel/joist/deck fabrication & erection, swimming pools, concrete/asphalt exterior paving, site utilities, and construction contingency, bonding/insurance and CMaR fees. The total for GMP #2 was $12,875,632 (making a then-cumulative total for Contract K-2021-97 of $16,365,106).

On February 22, 2022, NMA/Council approved / Amendment / GMP #3, which included bids for masonry, millwork, metal panels, roofing, windows, painting, flooring, elevators, plumbing/HVAC/mechanical, electrical, landscaping, and various other aspects of upward construction. The total for GMP #3 was $22,659,079 (making the then-cumulative total for Contract K-2021-97 of $39,024,185).

On June 6, 2022, NMA/Council approved / Amendment / GMP #4, which included bids for miscellaneous steel, specialty doors, hanger doors, project signage, saunas, a "Change Order" for civil and utility work due to an error in the design of the project's stormwater system and various other aspects of upward construction. The total for GMP #4 was $2,653,243 (making the then-cumulative total for Contract K-2021-97 of $41,677,428).

Amendment / GMP #5 is for two change orders that added scope to the YFAC project. The first change order is PR-45 for the Video Board ($205,930), which will be large LED boards placed in the gym and aquatics area. The video board change includes electrical upgrades and steel to support the weight of the video boards. The second change order is PR-47 for building signage ($102,821). The signage for the building includes signage near the roundabout on Trae Young Drive and building signage on front of the building.

The total amount for GMP / Amendment #5 is $308,751 including indirect costs and fees of $25,125, making the current cumulative total for Contract K-2021-97 is $42,011,304. This is anticipated to be the project's fifth and final Amendment/GMP.

Our Project Consultants from ADG have participated throughout the entire process up to our current point of construction for this project. Further, the City Attorney's Office has reviewed and approved the amendment documents.

There are adequate funds available for this contract in the Indoor Sports Facility YFAC Project, Construction (Account 51790601-46101; Project NFP110).

RECOMMENDATION:

It is recommended that the City Council, acting as the Norman Municipal Authority, approve Amendment #5 to CMaR Contract K-2021-97 with GE Johnson Construction Company in the amount of $279,469 for a total contract of $42,011,304 for the Young Family Athletic Center project for the Parks and Recreation Department.

AMENDMENT NO. 5 TO CONSTRUCTION MANAGER AT RISK AGREEMENT BETWEEN THE NORMAN MUNICIPAL AUTHORITY AND GE JOHNSON CONSTRUCTION COMPANY

THIS AMENDMENT NO. 5 TO CONSTRUCTION MANAGER AT RISK AGREEMENT (this "Fourth Amendment") is made as of July 31, 2023, between the Norman Municipal Authority, a public trust having as its sole beneficiary, the City of Norman, Oklahoma ("NMA") and GE Johnson Construction Company, Inc. a Colorado corporation (the "Construction Manager").

RECITALS:

A. NMA and the Construction Manager entered into that certain Construction Manager at Risk Agreement (Contract No. K-2021-97), dated February 9, 2021, (the "Agreement"), for construction management services for the Multi-Sport and Aquatic Center Project, now the Young Family Athletic Center ("YFAC") project including plan review, design assistance, bidding services, and value engineering

B. Pursuant to Section 2.2 of the Agreement, (i) once the drawings and specifications are complete, and after the award of subcontracts to subcontractors, the Construction Manager shall propose a guaranteed maximum price ("GMP"), which shall be the sum of all subcontracts, lump sum self-perform amounts, including allowances and contingencies, and the Construction Manager's fee.

C. The Construction Manager submitted the first of five anticipated GMP Proposals to the City Council on September 14, 2021. GMP No. 1 was approved for a total contract amount of $3,404,474.00 (derived from the total cost of work for the Construction Phase of $3,254,119 + the Indirect Cost and Fee of $150,355.00). The Construction Manager also submitted the second of four GMP Proposals to the City Council on November 30, 2021. GMP No. 2 was approved for an added contract amount of $12,875,632.00 (derived from the total cost of work for the Construction Phase of $12,306,993.00 + the Indirect Cost and Fee of $568,639.00). GMP No. 3 was approved for an added contract amount of $22,659,079.00 (derived from the total cost of work for the Construction Phase of $21,658,364.00 + the Indirect Cost and Fee of $1,000,715.00). GMP No. 4 was approved for an added contract amount of $2,653,243.00 (derived from the total cost of work for the Construction Phase of $2,513,814.00 + the Indirect Cost and Fee of $139,430.00). GMP No. 5 was approved for an added contract amount of $279,469.00 (derived from the total cost of work for the Construction Phase of $267,316.00 + the Indirect Cost and Fee of $12,153.00). The total amount of all amendments combined represent the total contract amount of $41,956,897.00. Preconstruction Services were billed separately and are not included in GMP per previous Council approval attributable to the YFAC Project.

D. The Construction Manager now submits the fifth of five anticipated GMP Proposals based on bids received and potential changes.

AGREEMENT:

NOW, THEREFORE, in consideration of the foregoing recitals, which are incorporated herein by reference, other such good and valuable consideration, the receipts and sufficiency of which are hereby acknowledged, and the promises and covenants set forth below, NMA and the Construction Manager hereby agree as follows:

1. Fifth GMP Amendment Established. The Construction Manager's fifth guaranteed maximum price amendment for the Work inclusive of all subcontracts, lump sum self-perform amounts, including allowances and contingencies and the Construction Manager's fee, is hereby agreed to be $279,469.00 (derived from the total cost of work for the Construction Phase of $267,316.00 + the Indirect Cost and Fee of $12,153.00.) Preconstruction Services were billed separately not included in GMP per previous Council approval attributable to the YFAC Project). The GMP is the total compensation from the City to the Construction Manager for its fee for the performance of the work in accordance with Contract Documents and Pursuant to any of the following documents, as applicable:

A. Basis for GMP. Refer to COR No. 007/GMP Amendment #5 Summary and Breakdown sheet.

B. Contract Document Log. Refer to **Exhibit A** for a list of the Drawings and Specifications, including all addenda that were used in preparation of the GMP Proposal, is attached hereto as Exhibit A and incorporated herein by reference.

C. Allowances. Refer to **Exhibit B** for a list of allowances included by the Construction Manager in preparation of this GMP Proposal, is attached hereto as Exhibit B and incorporated herein by reference.

D. Assumptions. Refer to **Exhibit C** for a list of the assumptions and clarifications made by the Construction Manager in the preparation of the GMP Proposal to supplement the information contained in the Drawings and Specifications is attached hereto as Exhibit C and incorporated herein by reference.

E. Proposed Estimated Costs for GMP Amendment #5. Refer to **Exhibit D** for the proposed breakdown of the estimated costs for GMP #5. This includes the estimated costs, by Proposal Request, including General Conditions, other items and Fee that comprise the total estimated costs for GMP Amendment #5 and is attached hereto as Exhibit D and incorporated herein by reference.

F. Substantial Completion. Refer to **Exhibit E** for Substantial Completion date upon which the GMP Proposal is based and a schedule of the Construction Documents issuance dates upon which the date of Substantial Completion is based is attached hereto as Exhibit E and incorporated herein by reference.

G. Acceptance Period. The time limit for acceptance of the GMP Proposal is attached hereto as part of **Exhibit F**.

2. Effect of Amendment. In all other respects, the Agreement is affirmed and ratified and, except as expressly modified herein, all terms and conditions of the Agreement shall remain in full force and effect.

3. Non-Default. By executing this Fifth Amendment, the Construction Manager affirmatively asserts that (i) NMA is not currently in default, nor has been in default at any time prior to this Fifth Amendment, under any of the terms or conditions of this Agreement and (ii) any and all claims, known and unknown, relating to the Agreement and existing on or before the date of this Fifth Amendment are forever waived.

[REMAINDER OF THIS PAGE LEFT INTENTIONALLY BLANK]

[SIGNATURE ON FOLLOWING PAGES]

IN WITNESS WHEREOF, the Parties have executed this FIFTH AMENDMENT in multiple copies on the respective dates herein below reflected to be effective on the date executed by the Chairperson of the Norman Municipal Authority.

CONSTRUCTION MANAGER (GE JOHNSON CONSTRUCTION COMPANY, INC)

By: _____

Name: Randy N. Nance

Title: General Manager

Date: 07/28/2023

ATTEST:

By: Jennifer Sears

Subscribed and Sworn to me this 28th day of July, 2023.

Commission Number: 23004590

Expiration Date: 4/3/27

JENNIFER SEARS NOTARY PUBLIC # 23004590 EXP. 04/03/27 STATE OF OKLAHOMA

NORMAN MUNICIPAL AUTHORITY

Reviewed and approved for form and legality this _____ day of _____, 2023.

_____

Office of the General Counsel

Approved by Norman Municipal Authority on this _____ day of _____, 2023.

By: _____

Larry Heikkila, Chairperson

ATTEST:

By: _____

Brenda Hall, Secretary

25 North Cascade Avenue, Suite 400
Colorado Springs, CO 80903
719.473.5321 V
719.473.5324 F
www.gejohnson.com

GEJOHNSON
CONSTRUCTION COMPANY

July 27, 2023

Jason Olsen
Norman Municipal Authority
201 West Gray Street
Norman, OK 73069

RE: NORMAN FORWARD INDOOR AQUATICS AND MULTI-SPORT FACILITY – JOB NO. OK1081
NORMAN, OKLAHOMA
CHANGE ORDER REQUEST NO. 007

Dear Jason:

We have enclosed pricing information for **GMP Amendment #5.**
The total cost for this revision is **$279,469.00**. A summary list along with all back-up documentation to substantiate our cost proposal is included for your review.

Item Number	Description	Proposed Amount	Company
001	PR-45 Video Board	$205,930.00	
002	PR-43r1 Dumpster Enclosure	$61,386.00	
Level 1	1% Contractor's Insurance	$2,673.00	
Level 2	.15% Builder's Risk Insurance	$405.00	
Level 3	.59% Performance and Payment Bond	$1,595.00	
Level 4	2.75% CM/GC Fee	$7,480.00	

Total Cost Change Amount:	**$279,469.00**

Please advise us no later than **8/10/2023,** if we are to proceed with the revisions outlined in our cost proposal. After this date, our cost proposal will be considered void. Please sign below authorizing us to proceed with this Contract Change.

Should you have any questions, please feel free to contact this office.

Sincerely,

G. E. JOHNSON CONSTRUCTION COMPANY, INC.

Matt Richardson
Project Manager

APPROVED

Signature

Date

Attachments

cc: /FSB Architects
Dave Pastier/GE Johnson Construction Company

GMP AMENDMENT NO. 5
EXHIBIT A

Proposal Request Transmittal

FSB | 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States

PROJECT	Norman PRD - Multi-Sport & Aquatics FSB2018-069-01	DATE SENT	4/7/2023
SUBJECT	DUMPSTER REVISIONS	PROPOSAL REQUEST ID	PR-043 R1
TYPE	Proposal Request	TRANSMITTAL ID	02130
PURPOSE	For Review and Response	VIA	Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Construction Administration	FSB	ca@fsb-ae.com	405-840-2931

TO

NAME	COMPANY	EMAIL	PHONE
Amanda Derrico	GE Johnson Construction Company United States	DerricoA@GEJohnson.com	
Christopher Blue	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	CBlue@fsb-ae.com	(405) 842-9556 298
Dustin Blalock		dustinblalock@jhbr.com	(405) 526-0280
Joshua Young		youngj@gejohnson.com	
Kristin Killgore	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	kkillgore@fsb-ae.com	(405) 840-2931 192
Kyle Arnold		ArnoldK@gejohnson.com	
Matt Richardson	GE Johnson Construction Company United States	richardsonm@gejohnson.com	

Proposal Request Transmittal

DATE: 4/7/2023
ID: 02130

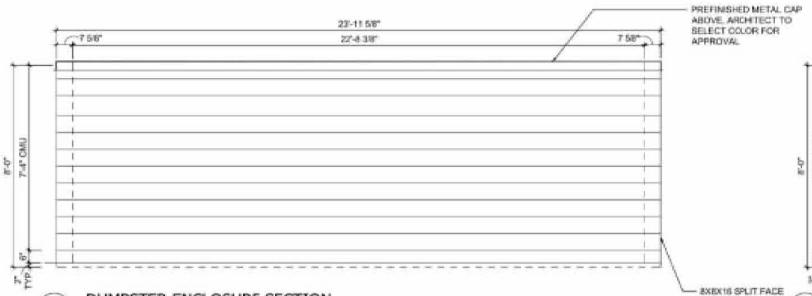
NAME	COMPANY	EMAIL	PHONE
Meg Paus	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	mpaus@fsb-ae.com	(405) 842-9556 265
Shawn Lorg	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	slorg@fsb-ae.com	(405) 842-9556 147
Tim Mathews	GE Johnson Construction Company United States	mathewst@gejohnson.com	
Wes Brannon	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	wbrannon@fsb-ae.com	(405) 840-2931 289

REMARKS: Please see attached.

DESCRIPTION OF CONTENTS

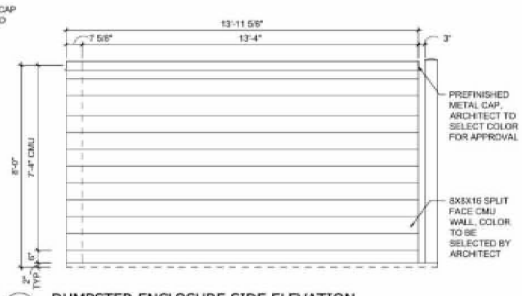
QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	4/7/2023	PR-043R1.pdf				
1	4/7/2023	FSB2018-069-01 - CoN-Young Family Athletics - PR-043-R1 Combined Drawings.pdf				

Item 24.



1 DUMPSTER ENCLOSURE SECTION

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



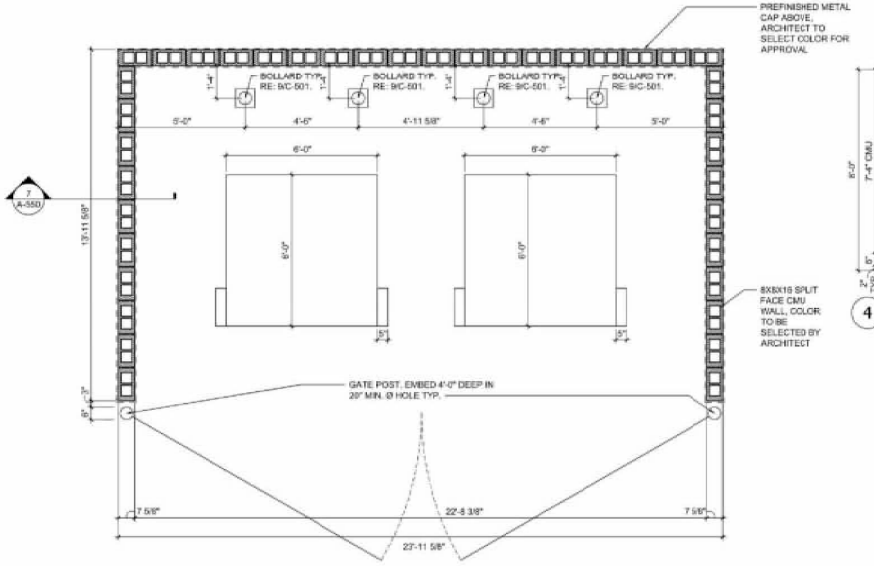
2 DUMPSTER ENCLOSURE SIDE ELEVATION

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

SHEET KEYED NOTES

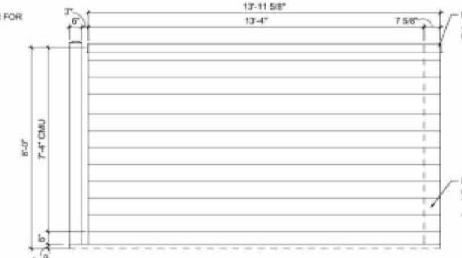
#3 - DUMPSTER ENCLOSURE PLAN

1. DIMENSIONS OF DUMPSTER SHOWN ARE APPROXIMATE.
2. STEEL FRAMED SWING GATES. FRAMING TO BE HSS 3x3x¼ TUBES AROUND PERIMETER WITH HSS 3x3x¼ X-BRACES. MITER AND WELD ALL JOINTS. COVER FRAMING WITH 1.5" 20 GA TYPE "B" METAL ROOF DECK. FASTEN STEEL DECK TO PERIMETER FRAME AND X-BRACES USING #12 SCREWS AT EACH DECK FLUTE (6" O.C.). PAINT ALL EXPOSED STEEL. GATES SHALL BE HUNG WITH SLEEVE HINGES OVER 6" STEEL POSTS FILLED WITH CONCRETE. STEEL POSTS TO BE EMBEDDED 4'-0" MINIMUM IN 24" DIAMETER HOLE FILLED WITH CONCRETE. FURNISH LOCK HASP (HEAVY DUTY) FOR PAD LOCK TO LOCK GATES. PROVIDE BARN GATE STOP ON EACH GATE WITH PIPE SLEEVE SET IN CONCRETE TO RECEIVE STOP IN BOTH OPEN AND CLOSED POSITION. SLEEVE SHALL BE 4" DEEP AND SET ½" ABOVE TOP OF CONCRETE SURFACE. GATES SHALL HAVE ALUMINUM CASTERS FOR BOTTOM OF GATE.



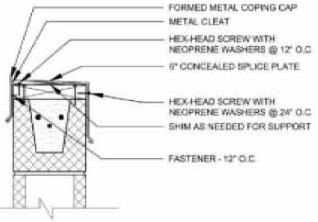
3 DUMPSTER ENCLOSURE PLAN

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



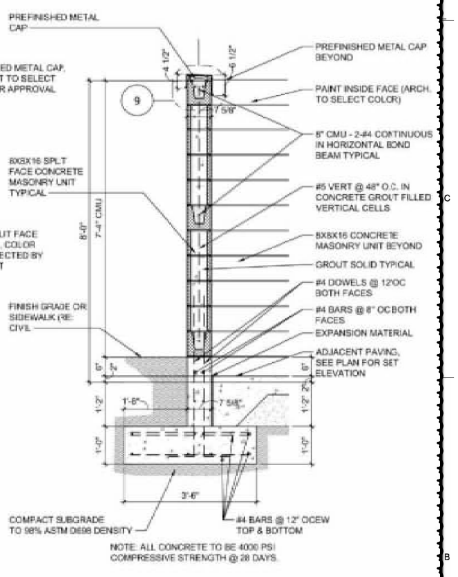
4 DUMPSTER ENCLOSURE SIDE ELEVATION

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



9 CMU CAP DETAIL

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



7 ENLARGED WALL SECTION

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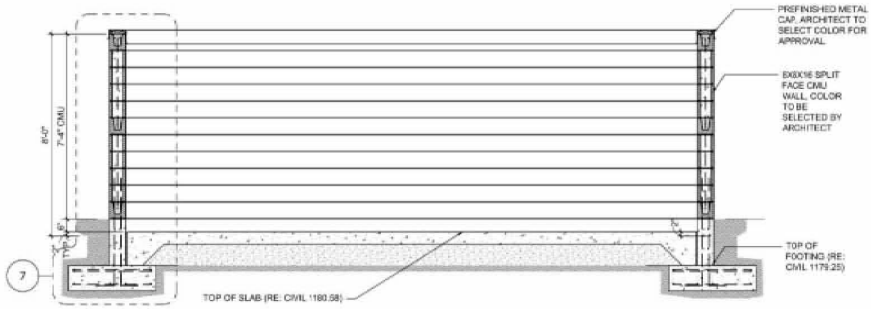
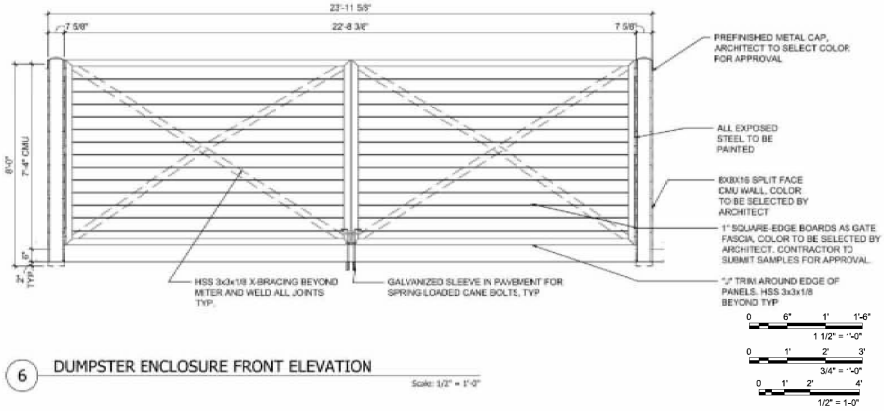


5 DUMPSTER ENCLOSURE SECTION

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



6 DUMPSTER ENCLOSURE FRONT ELEVATION

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

305

FSB
5801 Broadway Extension, Suite 500
Oklahoma City, OK 73118-7436
405.840.2931 | fsb-ae.com

BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

STATE OF OKLAHOMA JASON T. HOLLIBY 5488 01/19/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

2	PR-043R1	04/07/2023
1	PR-043	01/23/2023
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY:	SDL
DRAWN BY:	SDL
REVIEWED BY:	JBC
PROJECT MANAGER:	JJS
PROJECT NUMBER:	2018-069-01
SHEET TITLE:	DUMPSTER ENCLOSURE AND DETAILS
ISSUE DATE:	01/23/2023
SHEET NUMBER:	A-550

Bid Package 5

4/7/2023 11:01:49 AM

BIM 360/City of Norman - Young Family Athletics Center/06800_Archicad

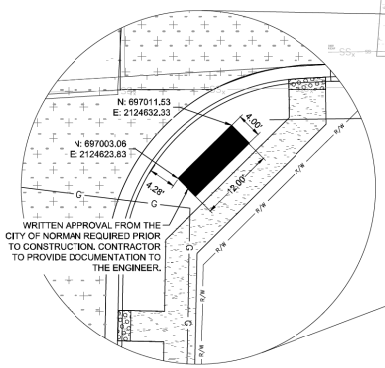
Item 24.

306

FINAL SITE DEVELOPMENT PLAN

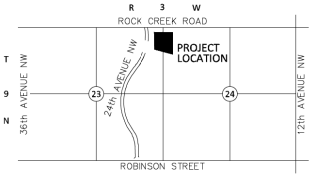
YFAC ADDITION, A PLANNED UNIT DEVELOPMENT

A PART OF THE N.E. 1/4 OF SEC. 23 AND THE N.W. 1/4 OF SECTION 24, T9N, R3W, I.M.
NORMAN, CLEVELAND COUNTY, OKLAHOMA



MONUMENT SIGN DETAIL

N.T.S.



LOCATION MAP

1" = 2000'

LEGAL DESCRIPTION:

A tract of land lying in the Northwest Quarter (NW/4) of Section Twenty-four (24) AND the Northeast Quarter (NE/4) of Section Twenty-three (23), Township Nine (9) North, Range Three (3) West of the Indian Meridian, Cleveland County, Oklahoma and being more particularly described as follows:

COMMENCING at the Northeast Corner of the Northeast Quarter (NE/4) of Section Twenty-three (23), Township Nine (9) North, Range Three (3) West, of the Indian Meridian, Cleveland County, Oklahoma;

THENCE South 89°06'20" West along the North line of said Northeast Quarter (NE/4) a distance of 112.35 feet;

THENCE South 01°02'48" West a distance of 414.90 feet to the POINT OF BEGINNING;

THENCE South 88°58'05" East a distance of 478.59 feet;

THENCE South 00°38'00" East a distance of 1049.00 feet;

THENCE North 70°25'58" West a distance of 401.10 feet to a point non-tangent curvature;

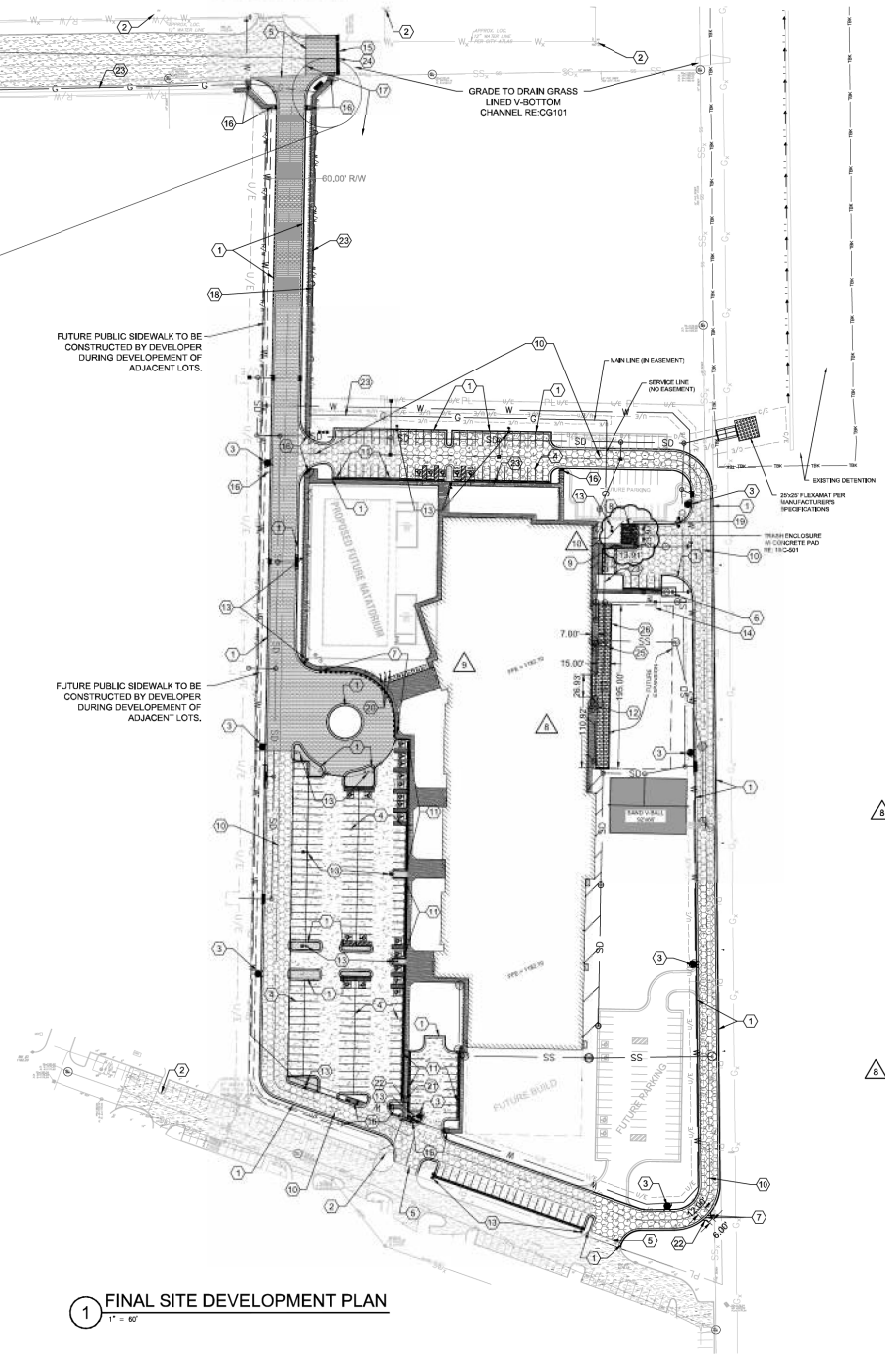
THENCE Northeasterly along a non-tangent curve to the left having radius of 300.00 feet said curve subtended by a chord which bears N 07°49'15" E a distance of 19.41 feet for an arc distance of 19.41 feet;

THENCE North 70°25'58" West a distance of 201.75 feet;

THENCE North 01°02'48" East a distance of 837.64 feet;

THENCE South 88°58'05" East a distance of 60.00 feet to the POINT OF BEGINNING.

Said described tract of land contains an area of 512,712 square feet or 11.9998 acres, more or less.



1 FINAL SITE DEVELOPMENT PLAN

1" = 60'

N

0 30 60 120
Scale: 1" = 60'

GENERAL NOTES

A. REFER TO SHEET V-001 FOR BASIS OF VERTICAL AND HORIZONTAL CONTROL.
B. REFER TO SHEET C-001 FOR ADDITIONAL NOTES AND REQUIREMENTS.
C. DIMENSIONS SHOWN ARE TO FACE OF CURB/EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
D. CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO EXISTING PAVEMENT TO REMAIN. ANY DAMAGE TO EXISTING PAVEMENT TO REMAIN SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
E. CONSTRUCTION FENCE SHALL BE PLACED ALONG THE PROJECT LIMIT LINE EXCEPT WHERE SHOWN OTHERWISE ON THIS PLAN. AREAS OUTSIDE THE CONSTRUCTION FENCE BUT INSIDE THE PROJECT LIMIT LINE SHALL BE COORDINATED IN CONSTRUCTION PHASING SO AS TO MINIMIZE DISRUPTION OF TRAFFIC AND PEDESTRIAN ACCESS. WORK AREAS SHOWN OUTSIDE THE LIMITS OF CONSTRUCTION FENCE SHOWN ON THIS PLAN SHALL BE PROTECTED BY CONSTRUCTION FENCE DURING THOSE TIMES WHEN WORK IS TAKING PLACE IN THE AFFECTED AREAS.
F. THE CONTRACTOR SHALL PHASE AND COORDINATE THE WORK SO AS TO MINIMIZE THE DISRUPTION OF TRAFFIC AND PEDESTRIAN ACCESS TO ADJACENT FACILITIES.
G. FOR CLARITY, JOINTING IS NOT SHOWN ON THIS PLAN.
H. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS FOR ACCESS.
I. REFER TO LANDSCAPING FOR IRRIGATION SLEEVE LOCATIONS.

SHEET KEYNOTES

1. 6" CONCRETE CURB (TYP)
2. EXISTING FIRE HYDRANT
3. PROPOSED FIRE HYDRANT
4. PARKING LOT STRIPING, 4" WHITE (TYP.)
5. SAW CUT EXISTING PAVEMENT, REMOVE EXISTING PAVEMENT AND EXISTING CURB & GUTTER. PROTECT EDGE TO REMAIN. MEET & MATCH EXISTING PAVEMENT PER CITY OF NORMAN STDS. RE:6&7/C-506, RE:16/C-501
6. 4" WATER METER VAULT, RE:CU101
7. CONCRETE BOLLARD
8. DUMPSTER ENCLOSURE RE:10/C-501
9. 8" FIRE LINE DOUBLE CHECK DETECTOR VAULT, RE:CU101
10. FIRE LANE W/ STRIPING
11. CONCRETE WHEEL STOPS (TYP.) RE:12/C-501
12. GAS METER, RE:CU101
13. EXTERIOR LIGHT POLES, RE:ES101
14. 2" IRRIGATION LINE w/ METER, BACKFLOW PREVENTER w/ VAULT, AND IRRIGATION PUMP PAD.
15. ROAD CLOSED BARRICADES RE:C-506
16. ADA RAMPS PER CITY OF NORMAN STANDARDS
17. CONSTRUCT STREET TO PROPOSED DEAD END.
18. 5' SIDEWALK 1' INSIDE RIGHT-OF-WAY PER CITY OF NORMAN STANDARD.
19. FDC CONNECTION
20. 3 - 25' FLAGPOLES, SEE SPECIFICATION SECTION 107529 FOR REQUIREMENTS.
21. 8' SIDEWALK CROSSING CONCRETE FLUME PER CITY OF NORMAN STANDARD.
22. CONCRETE FLUME. RE:2/C-508.
23. PROPOSED NATURAL GAS ROUTE
24. 47 LF CONCRETE HEADER CURB, RE:17/C-501
25. SYNTHETIC TURF, RE: 4/A-515.
26. HEADER CURB, RE:17/C-501

LEGEND

- EXISTING ASPHALT PAVING
- EXISTING CONCRETE PAVING
- ASPHALT ROAD DESIGN PER CITY OF NORMAN RE:11/C-501
- NEW LIGHT DUTY ASPHALT PAVING RE:1/C-501
- NEW HEAVY DUTY ASPHALT PAVING RE:2/C-501
- NEW CONCRETE SIDEWALK RE:3/C-501
- SYNTHETIC TURF, RE:4/A-515

FSB
5801 Broadway Extension, Suite 500
Oklahoma City, OK 73118-7436
405.840.2931 | fsb-ae.com

BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI

SEAN P. McGRAW 3846 OKLAHOMA 04/07/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY

10	PR 34/361	04/07/2023
9	PR-047	03/07/2023
8	PR-017	08/16/2022
7	ASI-009 SHEETS RE-ISSUED	07/12/2022
6	PR #64 SHEETS RE-ISSUED	06/04/2022
5	ADDENDUM #6	01/10/2022
4	PR #31 and PR #32	12/06/2021
3	CITY OF NORMAN	12/01/2021
2	CITY OF NORMAN	11/15/2021
1	CITY OF NORMAN	10/25/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY:	RFK
DRAWN BY:	PSG
REVIEWED BY:	JGD
PROJECT MANAGER:	JJS

PROJECT NUMBER: 2018-069-01

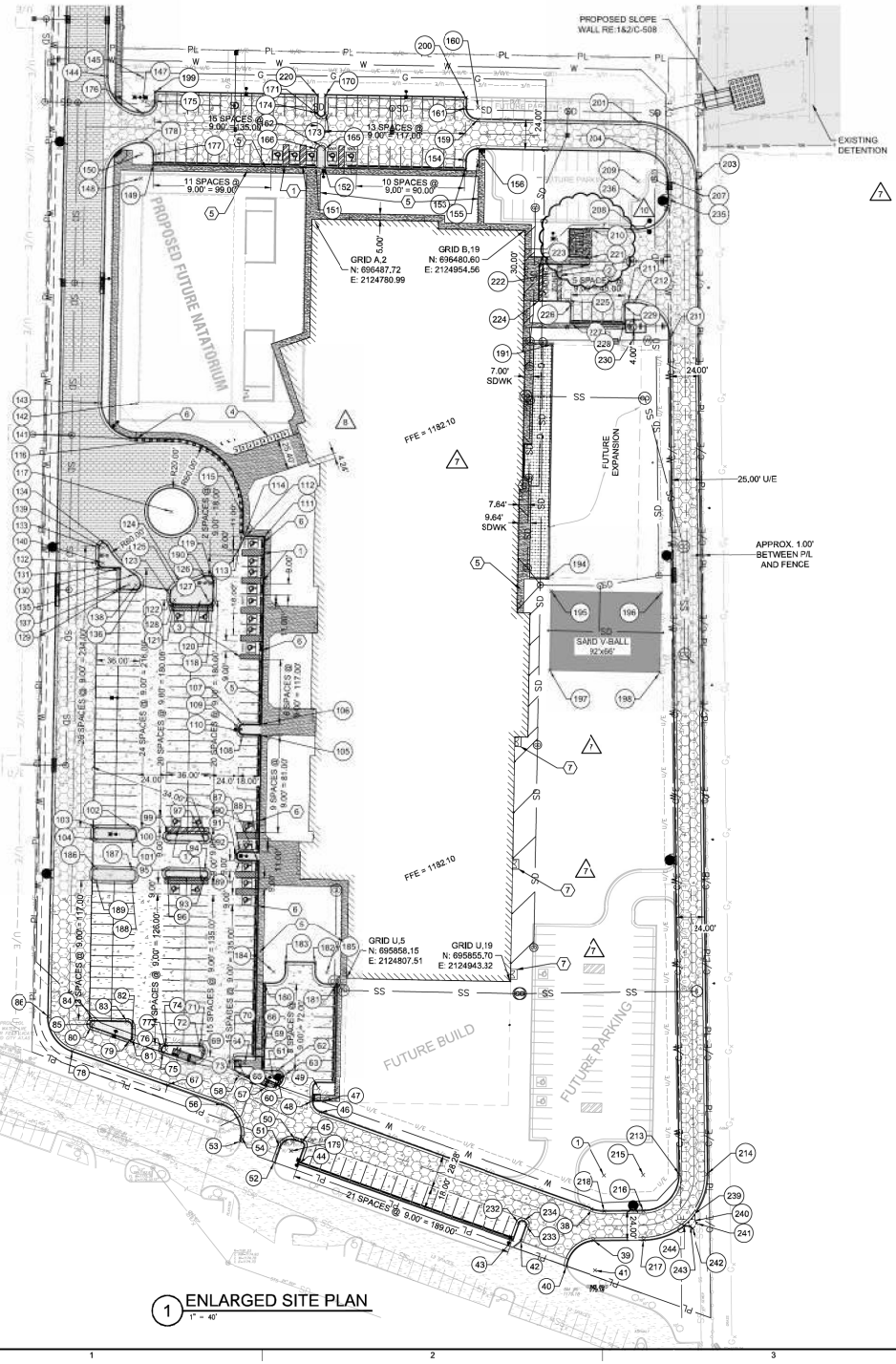
SHEET TITLE: FINAL SITE DEVELOPMENT PLAN

ISSUE DATE: 07/12/2022

SHEET NUMBER: CS101

DWG NAME: H:\PLAN\SB020\B-069\010\B-069-010\SHEETS\B069CS101.DWG SAVE DATE: 4/7/2023 10:27 AM BY: CALLAN PLOT DATE: 4/7/2023 10:29 AM

Item 24.



1 ENLARGED SITE PLAN
1" = 40'

LEGEND

- EXISTING ASPHALT PAVING
- EXISTING CONCRETE PAVING
- ASPHALT ROAD DESIGN PER CITY OF NORMAN RE: 11/C-501
- NEW LIGHT DUTY ASPHALT PAVING RE:1/C-501
- NEW HEAVY DUTY ASPHALT PAVING RE:2/C-501
- NEW CONCRETE SIDEWALK RE:3/C-501
- TURF FIELD RE:4/A-515

SHEET KEYNOTES

1. ADA COMPLIANT STRIPING, (TYP.)
2. LOADING ZONE STRIPING.
3. MOTORCYCLE PARKING.
4. BICYCLE PARKING.
5. 5' WIDE SIDEWALK (TYP.)
6. RIBBON CURB.
7. STOOP, RE:6/C-501

GENERAL NOTES

A. REFER TO SHEET C-001 AND CS101 FOR ADDITIONAL NOTES AND REQUIREMENTS.

B. DIMENSIONS SHOWN ARE TO FACE OF CURBEDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

C. UTILITIES ARE SHOWN ON THIS SHEET AS VISUAL AID FOR PROXIMITY ONLY. PLEASE REFER TO SHEET CU101 FOR THE OVERALL UTILITY PLAN.

D. PARKING SPACES PROVIDED:

TOTAL PARKING SPACES	ADA ACCESSIBLE SPACES PROVIDED
251	18 HC + 6 VAN
FUTURE PARKING	FUTURE ADA PARKING
80	2 HC + 2 VAN

Point Table

Point #	Northing	Easting	Description
1	695693.61	2125021.53	30' RADIUS
38	695665.40	2125011.77	PC
39	695639.58	2125013.36	PC
40	695617.65	2124989.68	END CURB
41	695614.60	2125014.49	25' RADIUS
42	695639.01	2124952.45	END CURB
43	695639.89	2124945.33	PI
44	695703.19	2124767.25	PI
45	695721.16	2124770.45	PC
46	695745.04	2124786.16	PC
47	695755.36	2124788.51	10' RADIUS
48	695755.53	2124778.50	PC
49	695768.19	2124783.68	PI
50	695723.26	2124764.54	PC
51	695717.18	2124751.77	PC
52	695704.31	2124747.20	PC
53	695721.85	2124719.52	PC
54	695725.60	2124720.04	PC
56	695752.56	2124703.84	PC
57	695767.12	2124740.53	PC
58	695777.80	2124718.33	PC
59	695781.03	2124736.56	PI
60	695775.80	2124749.86	5' RADIUS
61	695775.56	2124746.00	8.87' RADIUS
62	695780.80	2124749.56	PC
63	695778.10	2124754.86	PC
64	695786.81	2124722.66	10' RADIUS
65	695788.82	2124716.70	4' RADIUS
66	695792.56	2124730.83	PI
67	695768.65	2124658.38	PC
69	695790.38	2124685.89	PC
70	695788.90	2124712.70	PC
71	695801.36	2124684.53	PI
72	695797.38	2124684.85	4' RADIUS
73	695788.06	2124675.50	PI
74	695801.89	2124656.53	PC
75	695795.64	2124654.18	PC
76	695797.96	2124652.86	PC
77	695797.89	2124656.86	4' RADIUS
78	695796.78	2124579.26	PC
79	695805.53	2124626.35	PC
80	695818.83	2124594.55	PC
81	695807.37	2124629.02	PC
82	695816.73	2124629.19	PC
83	695821.82	2124624.26	PC
84	695822.33	2124596.28	PC
85	695819.33	2124596.23	3' RADIUS
86	695825.59	2124559.31	PC
87	695955.53	2124733.77	PI
88	695963.30	2124733.60	PI
89	695955.80	2124718.77	PC
90	695963.57	2124718.91	PC
91	695960.63	2124715.85	PC
92	695958.86	2124715.82	PC
93	695941.34	2124688.44	PC
94	695947.84	2124688.56	PC
95	695948.38	2124658.57	PC
96	695941.88	2124658.45	PC
97	695971.83	2124688.59	PC
98	695978.33	2124689.11	PC
99	695978.88	2124659.12	PC
100	695972.38	2124659.00	PC
101	695972.91	2124629.00	PC
102	695983.07	2124629.19	PC
103	695983.61	2124599.19	PC

Point Table

Point #	Northing	Easting	Description
104	695973.46	2124599.01	PC
105	696060.29	2124735.65	PI
106	696069.28	2124735.81	PI
107	696069.55	2124720.82	PC
108	696060.56	2124720.65	PC
109	696066.61	2124717.76	PC
110	696063.61	2124717.71	PC
111	696225.26	2124738.62	PI
112	696225.53	2124723.52	PC
113	696228.89	2124720.67	PC
114	696228.53	2124723.57	3' RADIUS
115	696245.16	2124720.87	PC
116	696306.23	2124661.98	PC
117	696246.23	2124661.00	RADIUS PT
118	696172.25	2124695.60	PC
119	696168.43	2124695.90	PC
120	696168.32	2124691.53	PC
121	696168.83	2124663.54	PC
122	696172.90	2124659.61	PC
123	696176.95	2124659.68	PC
124	696186.70	2124668.44	PC
125	696176.77	2124669.68	10' RADIUS
126	696188.52	2124690.90	5' RADIUS
127	696172.32	2124691.60	4' RADIUS
128	696172.82	2124663.61	4' RADIUS
129	696181.31	2124617.76	PI
130	696199.30	2124618.08	PI
131	696199.56	2124604.08	PC
132	696203.63	2124600.15	PC
133	696216.46	2124600.39	PC
134	696218.25	2124607.92	PC
135	696194.35	2124630.86	PC
136	696185.53	2124635.83	PC
137	696185.71	2124625.84	10' RADIUS
138	696185.05	2124631.82	4' RADIUS
139	696216.38	2124604.38	4' RADIUS
140	696203.56	2124604.15	4' RADIUS
141	696306.77	2124632.08	PC
142	696336.77	2124632.63	30' RADIUS
143	696337.32	2124602.64	PC
144	696608.86	2124607.60	PC
145	696608.32	2124637.59	30' RADIUS
147	696588.31	2124637.65	10' RADIUS
148	696524.33	2124636.08	30'RADIUS
149	696536.14	2124646.30	PI
150	696544.33	2124636.44	10' RADIUS
151	696533.70	2124781.67	PI
152	696533.58	2124788.54	PI
153	696531.46	2124906.10	PI
154	696539.46	2124906.25	PC
155	696539.28	2124916.25	10' RADIUS
156	696549.28	2124916.43	PC
159	696573.28	2124916.28	PC
160	696583.28	2124816.48	10' RADIUS
161	696583.46	2124806.46	PC
162	696551.64	2124785.44	MID PT
165	696548.58	2124788.81	PC
166	696548.70	2124781.95	PC
170	696593.57	2124789.62	PC
171	696575.83	2124785.88	MID PT
173	696578.57	2124789.37	PC
174	696578.89	2124782.50	PC
175	696588.13	2124647.66	PC
176	696578.31	2124637.47	PC
177	696544.15	2124646.44	PC

Point Table

Point #	Northing	Easting	Description
178	696554.32	2124636.62	PC
179	695713.83	2124761.20	10' RADIUS
180	695853.02	2124738.25	PI
181	695851.94	2124798.24	PI
182	695870.26	2124780.57	PI
183	695870.69	2124756.57	PI
184	695862.88	2124746.43	10' RADIUS
185	695862.08	2124790.43	10' RADIUS
186	695949.46	2124598.58	PC
187	696948.02	2124828.67	PC
188	695938.76	2124828.39	PC
189	695939.31	2124598.39	PC
190	696192.96	2124688.60	PC
191	696386.18	2124577.81	COURT
194	696191.22	2124574.41	COURT
195	696180.20	2124577.21	COURT
196	696178.54	2125069.20	COURT
197	696114.21	2124976.03	COURT
198	696112.55	2125068.01	COURT
199	696596.12	2124647.79	PI
200	696591.46	2124906.60	PI
201	696570.85	2125050.89	PC
203	696522.40	2125099.00	PC
204	696546.86	2125050.46	PC
207	[illegible]	[illegible]	PC
208	696481.58	2125049.72	PC
209	[illegible]	[illegible]	DUMPSTER APRON
210	696482.24	2125011.65	DUMPSTER APRON
211	[illegible]	[illegible]	PC
212	696421.28	2125046.99	PC
213	695694.31	2125084.16	PC
214	695694.57	2125108.15	PC
215	695693.92	2125054.27	RADIUS PT
216	695663.98	2125054.45	PC
217	695639.98	2125054.68	PC
218	695663.86	2125022.10	PC
220	[illegible]	[illegible]	PI
221	696458.26	2125011.33	DUMPSTER APRON
222	[illegible]	[illegible]	PC
223	696452.71	2124967.84	PI
224	696422.71	2124967.29	PI
225	696422.29	2124990.65	PC
226	696419.24	2124993.59	PC
227	696404.24	2124993.32	PI
228	696403.43	2125038.31	PI
229	696418.43	2125038.59	PC
230	696391.32	2125046.41	30' RADIUS
231	696391.61	2125076.45	PC
232	695654.03	2124950.36	PC
233	695651.88	2124956.95	PC
234	695655.58	2124954.66	MID PT
235	696506.84	2125075.17	PC
236	696506.50	2125050.24	25' RADIUS
239	695660.71	2125096.69	PI
240	695655.76	2125097.46	PI
241	695653.86	2125099.60	PI
242	695649.38	2125095.40	PI
243	695651.48	2125093.28	PI
244	695652.14	2125088.30	PI

N
0 20 40 80
Scale: 1" = 40'

307

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405.840.2931 | fsb-ae.com

BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGIES, INC.

SEAN P. McGRAW 28496 04/07/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY

10	PR 10.001	04/07/2023
9	PR 007	03/07/2023
7	PR-007	09/16/2022
6	ASI-009 SHEETS RE-ISSUED	07/12/2022
5	PR #003 SHEETS RE-ISSUED	04/04/2022
4	PR #01 and PR #02	12/06/2021
3	CITY OF NORMAN	12/01/2021
2	CITY OF NORMAN	11/15/2021
1	CITY OF NORMAN	10/25/2021

△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY:	RFK
DRAWN BY:	PSG
REVIEWED BY:	JGD
PROJECT MANAGER:	JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: ENLARGED SITE PLAN

ISSUE DATE: 07/12/2022

SHEET NUMBER: CS102

DWG NAME: H:\PROJECTS\2018\2018-069-01\01-SHEETS\SHEETS\CS102.DWG SAVE DATE: 4/7/2023 11:03 AM BY: CALLAN PLOT DATE: 4/7/2023 11:04 AM

Proposal Request Transmittal

FSB | 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States

PROJECT	Norman PRD - Multi-Sport & Aquatics FSB2018-069-01	DATE SENT	1/24/2023
SUBJECT	DUMPSTER ENCLOSURE	PROPOSAL REQUEST ID	PR-043
TYPE	Proposal Request	TRANSMITTAL ID	01882
PURPOSE	For Review and Response	VIA	Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Construction Administration	FSB	ca@fsb-ae.com	405-840-2931

TO

NAME	COMPANY	EMAIL	PHONE
Amanda Derrico	GE Johnson Construction Company United States	DerricoA@GEJohnson.com	
Chris Blue	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	CBlue@fsb-ae.com	405-840-2931
Dustin Blalock		dustinblalock@jhbr.com	(405) 526-0280
Joshua Young		youngj@gejohnson.com	
Kristin Killgore	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	kkillgore@fsb-ae.com	+1 (405) 840-2931 Ext. 192
Kyle Arnold		ArnoldK@gejohnson.com	
Matt Richardson	GE Johnson Construction Company United States	richardsonm@gejohnson.com	

Proposal Request Transmittal

DATE: 1/24/2023
ID: 01882

NAME	COMPANY	EMAIL	PHONE
Shawn Lorg	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	slorg@fsb-ae.com	(405) 842-9556 147
Tim Mathews	GE Johnson Construction Company United States	mathewst@gejohnson.com	

REMARKS: Please see attached.

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	1/24/2023	PR-043.pdf				
1	1/24/2023	FSB2018-069-01 - CoN-Young Family Athletics - PR-043 COMBINED DRAWINGS.pdf				

Item 24.

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RFI-264	CONCRETE CURBS AT COLUMN BRACES
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SB503	FOUNDATION DETAILS
SB504	FOUNDATION DETAILS
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A-105	GROUND FLOOR PLAN - SECTOR G
A-106	GROUND FLOOR PLAN - SECTOR H
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Oklahoma City, OK 73118-7436
405.840.2931 | fsb-ae.com

BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

STATE OF OKLAHOMA JASON T. HOLLIBY 6468

City of Norman
Young Family Athletics Center
Norman, Oklahoma

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2	PR 38	01/10/2022
1	ADDENDUM 06	12/06/2021
△	DESCRIPTION	DATE

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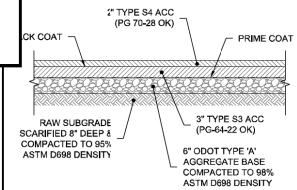
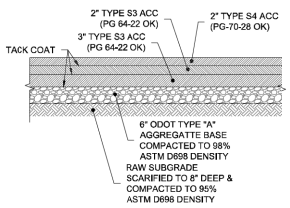
Item 24.



1 LIGHT-DUTY ASPHALT PAVING SECTION
NTS



2 HEAVY-DUTY ASPHALT PAVING SECTION
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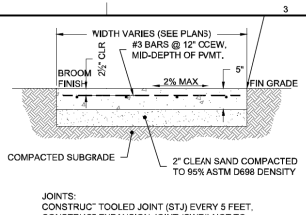
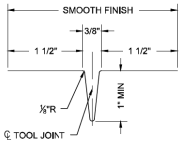


JOINTS:
CONSTRUC~ TOOLED JOINT (STJ) EVERY 5 FEET.
CONSTRUC~ EXPANSION JOINT (SWEJ) NOT TO EXCEED EVERY 50 FEET.

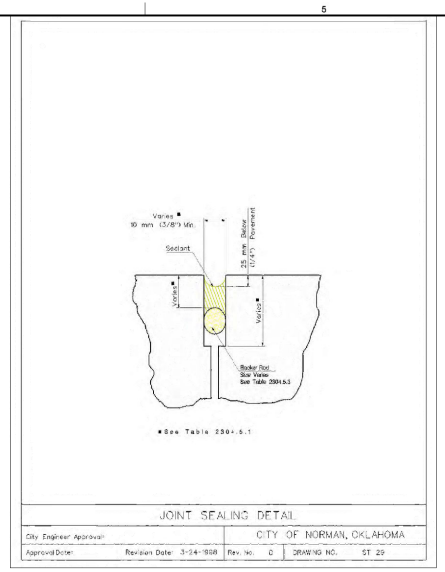
CONCRETE MINIMUM 4000 psi COMPRESSIVE STRENGTH 5½ SACK MIX, MAX 4" SLUMP, 4-6% AIR ENTRAINED

3 TYPICAL SIDEWALK DETAIL
NTS

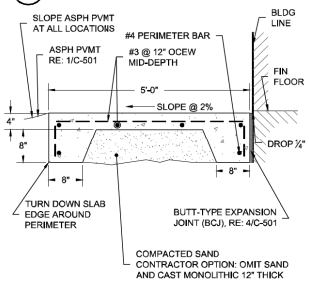


NOTE:
TOOLED JOINT DIMENSIONS MAY VARY SLIGHTLY FROM THOSE SHOWN TO SUIT STANDARD DEEP BIT GROOVING TOOLS.

4 SIDEWALK TOOLED JOINT (STJ)
NTS

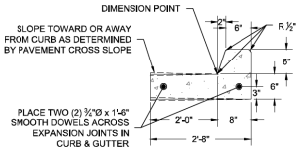


5 NORMAN STANDARD DETAIL ST-29
NTS



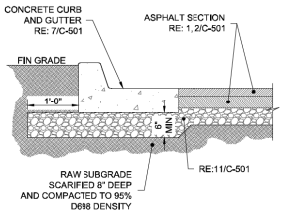
CONCRETE MINIMUM 4000 psi COMPRESSIVE STRENGTH 5½ SACK MIX, MAX 4" SLUMP, 4-6% AIR ENTRAINED

6 TYPICAL STOOP DETAIL
NTS

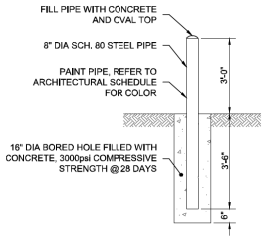


NOTE: USE ½" EXPANSION JOINTS @ 50' OC MAX IN CURB AND GUTTER SECTIONS.

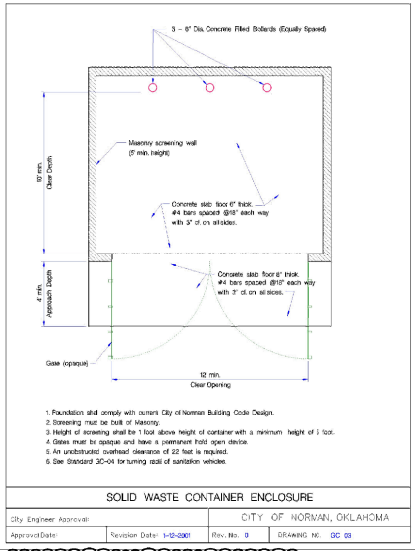
7 TYPICAL CURB & GUTTER DETAIL
NTS



8 CONCRETE CURB & GUTTER AT NEW ASPHALT PAVING
NTS



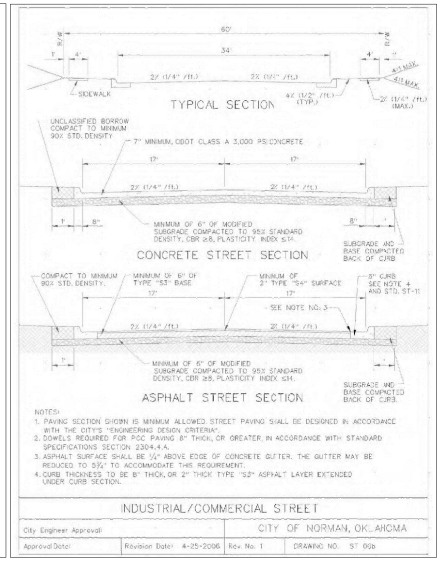
9 BOLLARD DETAIL
NTS



NOTE: RE: A-550 FOR DUMPSTER ENCLOSURE PLAN AND DETAILS 17

10 NORMAN STANDARD DETAIL CG-03
NTS

NOTE: MODIFIED SUBGRADE IS TO BE CKD 12%-14%



11 NORMAN STANDARD DETAIL ST-06b
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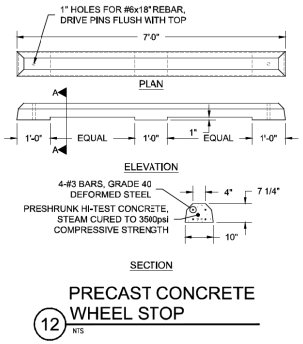

12 PRECAST CONCRETE WHEEL STOP
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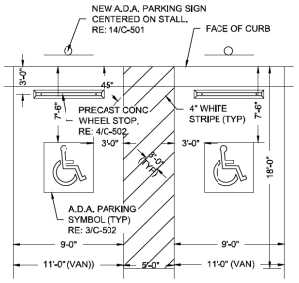

13 ADA PARKING STALL LAYOUT
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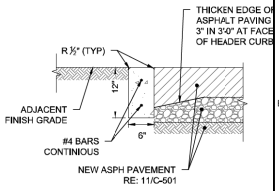
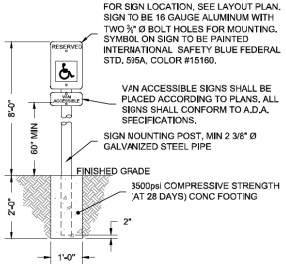
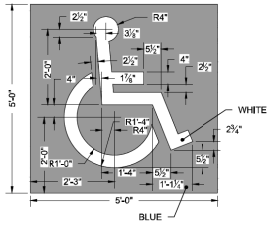


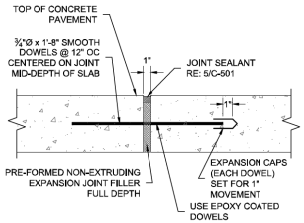
17 HEADER CURB DETAIL
NTS



14 ADA PARKING SIGN
NTS



15 ADA PARKING SYMBOL
NTS



16 DOWELED EXPANSION JOINT (DEJ)
NTS

DWG NAME: H:\PROJ\2018\2018-069\03-CIVIL\SHEETS\2018069CC-501.DWG SAVE DATE: 10/20/2023 2:01 PM BY: BSHAFFER PLOT DATE: 12/22/2023 4:53 PM

311

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5801 Broadway Extension, Suite 500
Oklahoma City, OK 73118-7436
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BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI
RUSSELL FRANK KETNER 19931

City of Norman
Young Family Athletics Center
Norman, Oklahoma

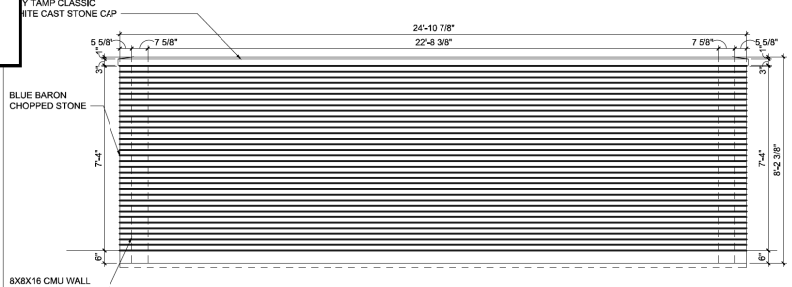
REVISION HISTORY:

7	PR-043	01/23/2023
6	ASI-09 SHEETS REISSUED	07/13/2022
5	PR #06-SHEETS REISSUED	04/04/2022
4	PR #01	12/09/2021
3	CITY OF NORMAN	12/01/2021
2	CITY OF NORMAN	11/19/2021
1	CITY OF NORMAN	10/26/2021
△	DESCRIPTION	DATE

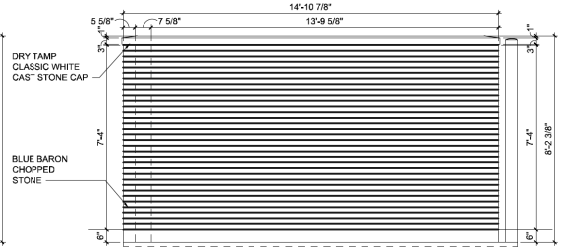
PROJECT INFORMATION:

DESIGNED BY:	RFK
DRAWN BY:	BRS
REVIEWED BY:	JGD
PROJECT MANAGER:	JJS
PROJECT NUMBER:	2018-069-01
SHEET TITLE:	CIVIL DETAILS
ISSUE DATE:	07/12/2022
SHEET NUMBER:	C-501

Item 24.



1 DUMPSTER ENCLOSURE SECTION
Scale: 1/2" = 1'-0"

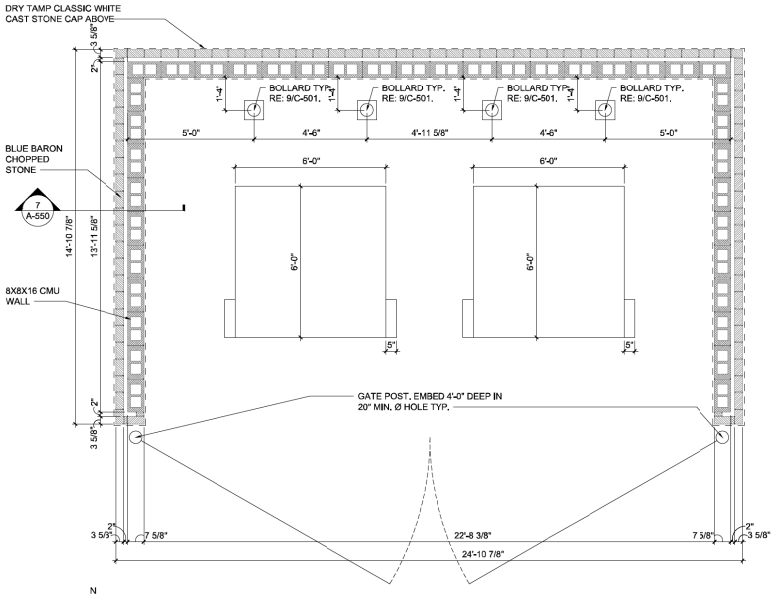


2 DUMPSTER ENCLOSURE SIDE ELEVATION
Scale: 1/2" = 1'-0"

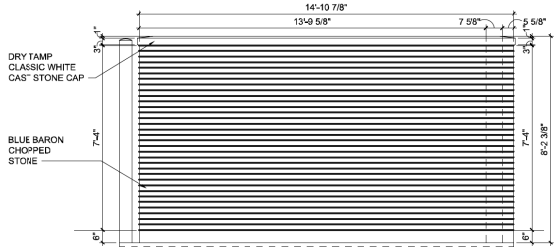
SHEET KEYED NOTES

#3 - DUMPSTER ENCLOSURE PLAN

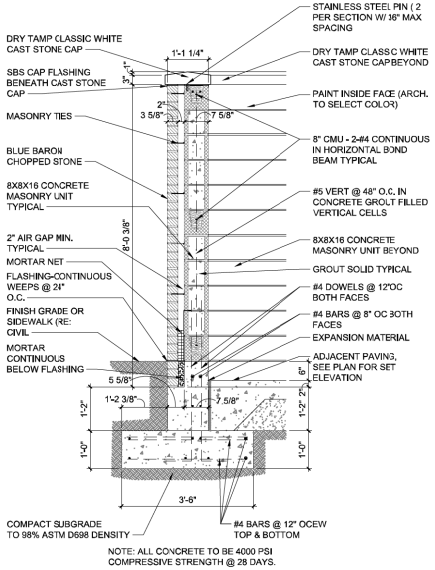
1. DIMENSIONS OF DUMPSTER SHOWN ARE APPROXIMATE..
2. STEEL FRAMED SWING GATES. FRAMING TO BE HSS 3x3x¼ TUBES AROUND PERIMETER WITH HSS 3x3x¼ X-BRACES. MITER AND WELD ALL JOINTS. COVER FRAMING WITH 1.5" 20 GA TYPE "B" METAL ROOF DECK. FASTEN STEEL DECK TO PERIMETER FRAME AND X-BRACES USING #12 SCREWS AT EACH DECK FLUTE (6" O.C.). PAINT ALL EXPOSED STEEL. GATES SHALL BE HUNG WITH SLEEVE HINGES OVER 6" STEEL POSTS FILLED WITH CONCRETE. STEEL POSTS TO BE EMBEDDED 4'-0" MINIMUM IN 24" DIAMETER HOLE FILLED WITH CONCRETE. FURNISH LOCK HASP (HEAVY DUTY) FOR PAD LOCK TO LOCK GATES. PROVIDE BARN GATE STOP ON EACH GATE WITH PIPE SLEEVE SET IN CONCRETE TO RECEIVE STOP IN BOTHOPEN AND CLOSED POSITION. SLEEVE SHALL BE 4" DEEP AND SET ¼" ABOVE TOP OF CONCRETE SURFACE. GATES SHALL HAVE ALUMINUM CASTERSFOR BOTTOM OF GATE.



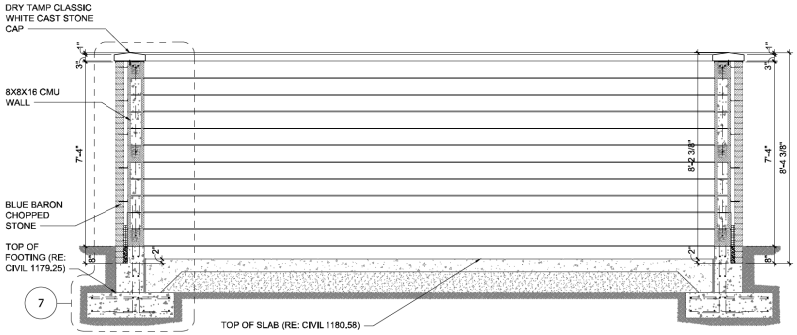
N
3 DUMPSTER ENCLOSURE PLAN
Scale: 1/2" = 1'-0"



4 DUMPSTER ENCLOSURE SIDE ELEVATION
Scale: 1/2" = 1'-0"



7 ENLARGED WALL SECTION
SCALE: 3/4" = 1'-0"



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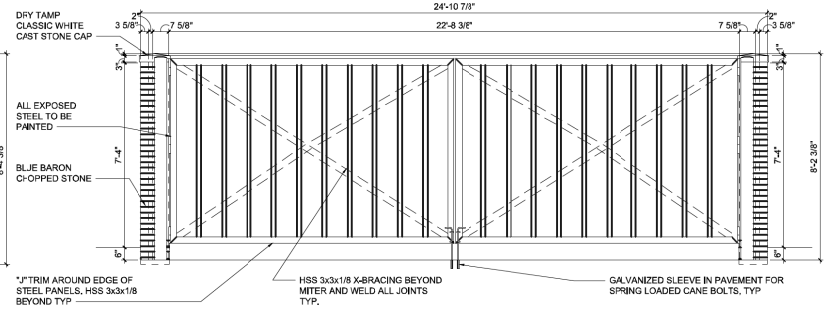

6 DUMPSTER ENCLOSURE FRONT ELEVATION
Scale: 1/2" = 1'-0"

0 1' 2' 3'
3/4" = 1'-0"
0 1' 2' 4'
1/2" = 1'-0"

312

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI

STATE OF OKLAHOMA JASON T. HOLLIBY 5488

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

1	PR-543	01/23/2023
DISCRIPTION		DATE

PROJECT INFORMATION:
DESIGNED BY: BRS
DRAWN BY: BRS
REVIEWED BY: RFK
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: DUMPSTER ENCLOSURE AND DETAILS

ISSUE DATE: 01/23/2023
SHEET NUMBER: A-550

DWG NAME: C:\USERS\BLDRSONDEDRIVE - FSB ARCHITECTS - ENGINEERS\DESKTOP\DUMPSTER ENCLOSURE SECTION.DWG SAVE DATE: 1/26/2023 5:05 PM BY: SLORG PLOT DATE: 1/26/2023 4:21 PM

Proposal Request Transmittal

FSB | 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States

PROJECT	Norman PRD - Multi-Sport & Aquatics FSB2018-069-01	DATE SENT	5/12/2023
SUBJECT	VIDEO BOARD	PROPOSAL REQUEST ID	PR-042 R2
TYPE	Proposal Request	TRANSMITTAL ID	02241
PURPOSE	For Review and Response	VIA	Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Construction Administration	FSB	ca@fsb-ae.com	405-840-2931

TO

NAME	COMPANY	EMAIL	PHONE
Amanda Mascorro	GE Johnson Construction Company United States	Mascorroa@gejohnson.com	
Christopher Blue	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	CBlue@fsb-ae.com	(405) 842-9556 298
Dustin Blalock		dustinblalock@jhbr.com	(405) 526-0280
Kristin Killgore	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	kkillgore@fsb-ae.com	(405) 840-2931 192
Kyle Arnold		ArnoldK@gejohnson.com	
Matt Richardson	GE Johnson Construction Company United States	richardsonm@gejohnson.com	
Meg Paus	FSB	mpaus@fsb-ae.com	(405) 842-

Proposal Request Transmittal

DATE: 5/12/2023
ID: 02241

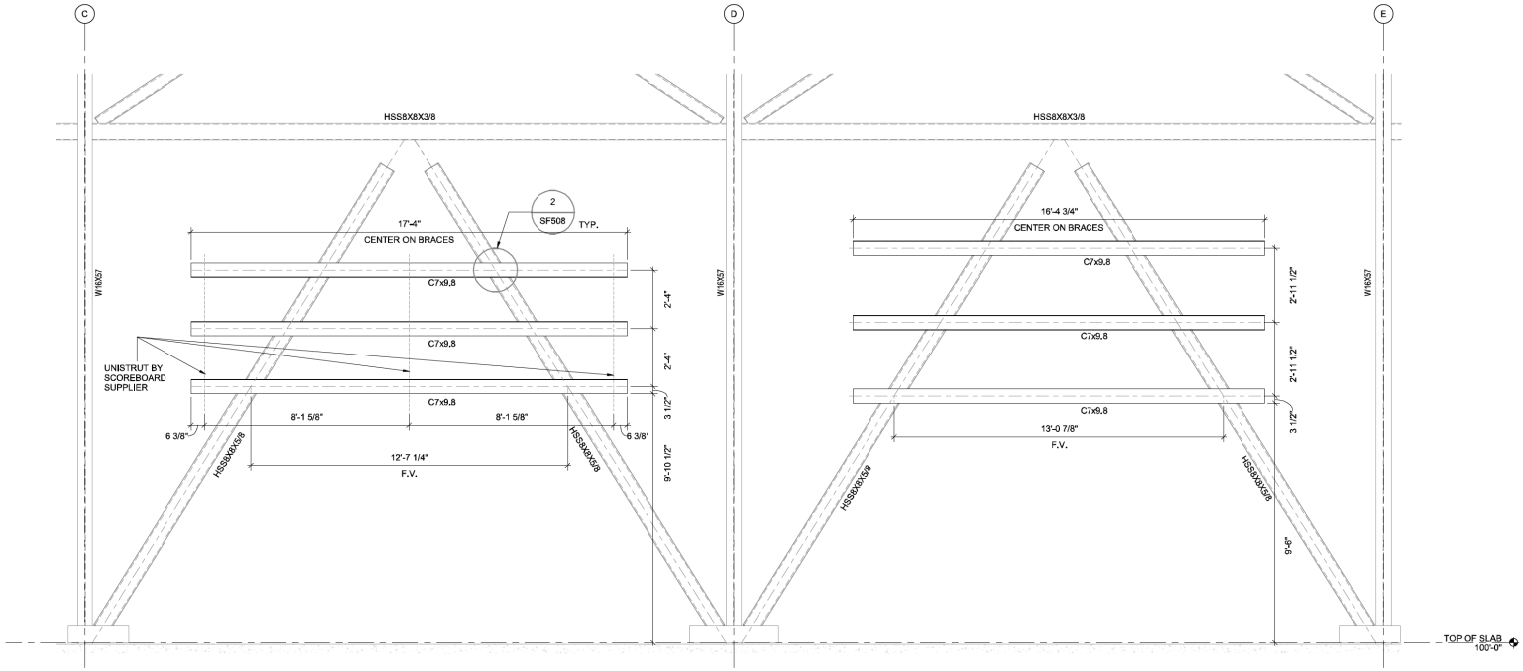
NAME	COMPANY	EMAIL	PHONE
	5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States		9556 265
Shawn Lorg	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	slorg@fsb-ae.com	(405) 842-9556 147
Siddant Jain	GE Johnson Construction Company United States	siddhantj@dpr.com	
Wes Brannon	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	wbrannon@fsb-ae.com	(405) 840-2931 289

REMARKS: See attached.

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	5/12/2023	PR-045R2.pdf				
1	5/12/2023	FSB2018-069-01 - CoN-Young Family Athletics - PR-045-R2 COMBINED DRAWINGS.pdf				

Item 24.



1 VIDEO AND SCOREBOARD FRAMING (NATATORIUM) GRID 13
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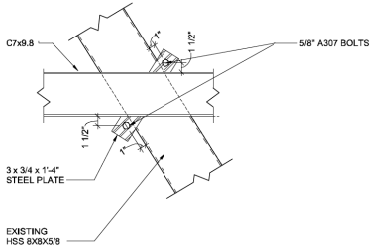

2 TYP BRACING CONNECTION
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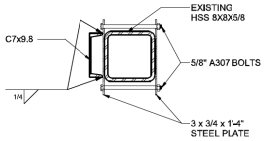

3 TYP BRACING CONNECTION - SECTION
SCALE: 1 1/2" = 1'-0"

PAINT USING HIGH PERFORMANCE COATING (SPEC SECTION 099600) FOR EXPOSURE IN NATATORIUM

0 1' 2' 4'
1/2" = 1'-0"

0 6" 1' 1'-6"
1 1/2" = 1'-0"

5/12/2023 3:52:15 PM

BIM 360://City of Norman - Young Family Athletics Center/R9060_Struct.rvt

315

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

PROFESSIONAL STRUCTURAL ENGINEER
BENJAMIN JOHN WALLACE
14334
OKLAHOMA

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

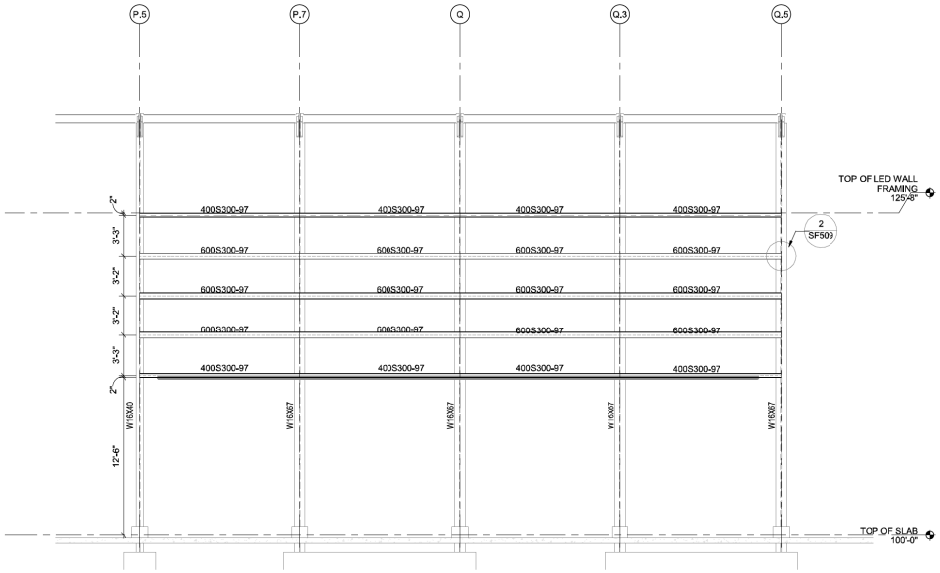
1	PR-045 R2	05/12/2023
	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: BJW
DRAWN BY: AAH
REVIEWED BY: TJD
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: FRAMING DETAILS
ISSUE DATE: 05/12/2023
SHEET NUMBER: SF508

Item 24.

316



1 LED WALL FRAMING (GYM) GRID 19
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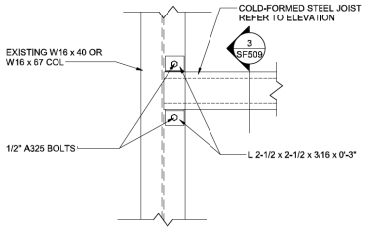

2 TYP BEAM CONNECTION
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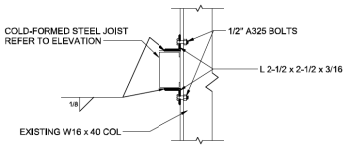

3 SECTION B
SCALE: 1 1/2" = 1'-0"

PAINT TO MATCH GYMNASIUM STRUCTURE (SPEC SECTION 099123)

0 2' 4' 8'
1/4" = 1'-0"

0 6" 1' 1'-6"
1 1/2" = 1'-0"

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

PROFESSIONAL STRUCTURAL ENGINEER
BENJAMIN JOHN WALLACE
14334
OKLAHOMA

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

1	PR-045 R2	05/12/2023
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: BJW
DRAWN BY: AAH
REVIEWED BY: TJD
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: FRAMING DETAILS
ISSUE DATE: 05/12/2023
SHEET NUMBER: SF509

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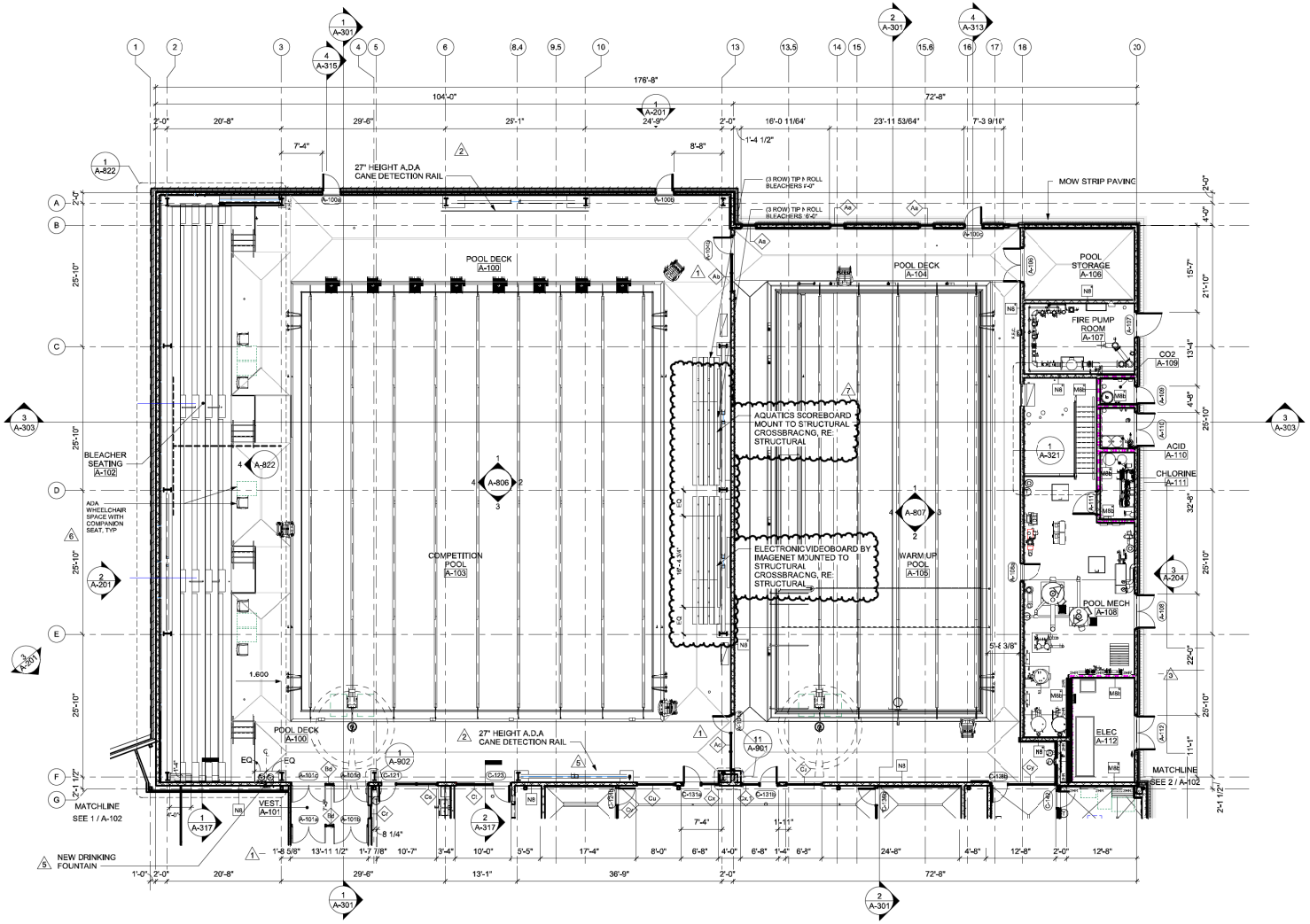
Item 24.

317



1 GROUND FLOOR PLAN - SECTOR A

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

0 4' 8' 16'
1/8" = 1'-0"

N
PROJECT KEYPLAN

5/12/2023 7:48:39 AM

BIM 360/City of Norman - Young Family Athletics Center/B360_ArchCvl

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY INC

STATE OF OKLAHOMA
JASON T. HOLIBY
5448
5/12/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

7	PR-345R2	05/12/2023
6	ASI-016	09/02/2022
5	PR-328R1	08/05/2022
4	PR-321	08/02/2022
3	PR-007	06/15/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: CYS

DRAWN BY: AAM

REVIEWED BY: JBC

PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

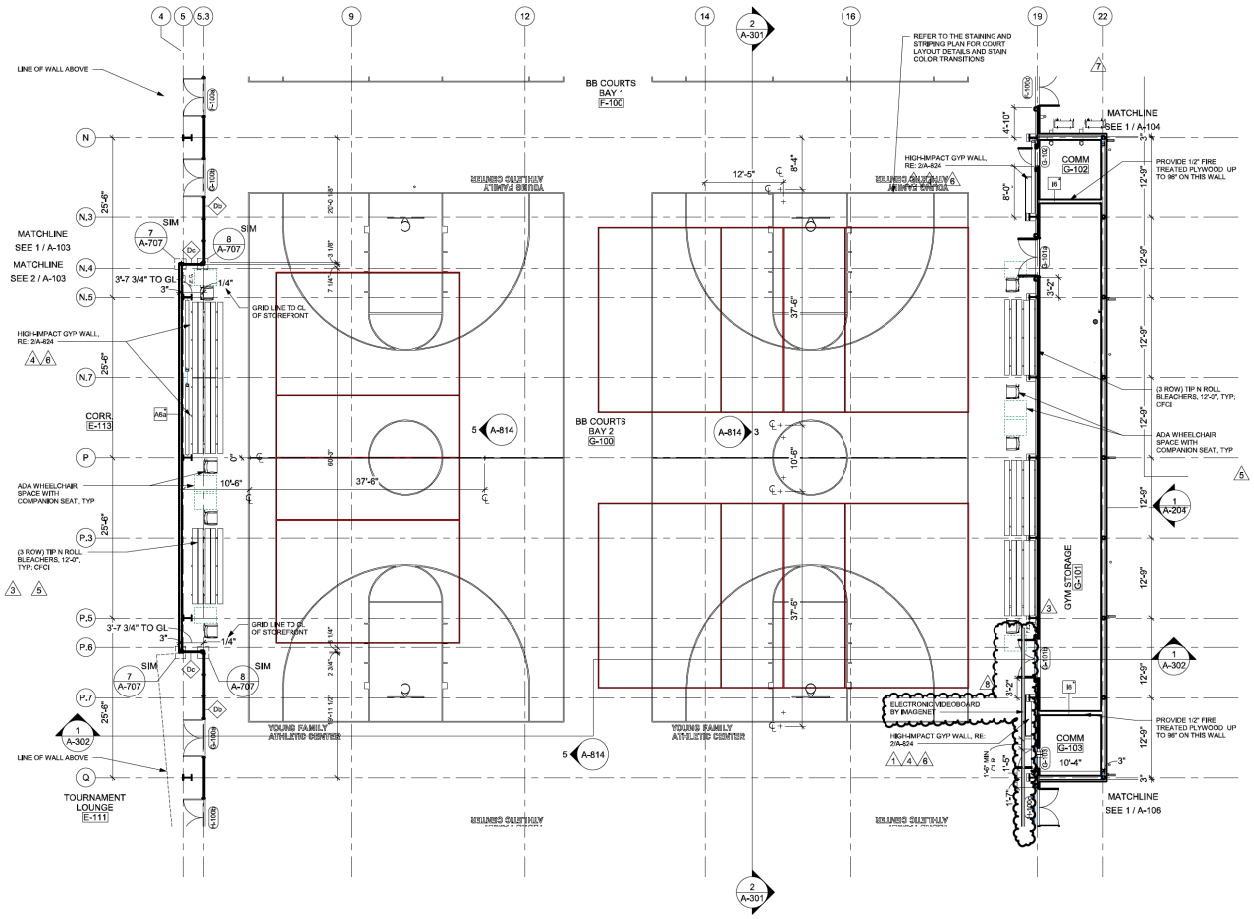
SHEET TITLE: GROUND FLOOR PLAN - SECTOR A

ISSUE DATE: 10/27/2021

SHEET NUMBER: A-101

BID PACKAGE 5

Item 24.



1 GROUND FLOOR PLAN - SECTOR G

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

0 4' 8' 16'
1/8" = 1'-0"

N

PROJECT KEYPLAN

318

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

STATE OF OKLAHOMA JASON T. HOLIBY 5408 5/19/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

8	PR-045R2	05/12/2023
7	PR-040	02/08/2023
6	PR-029R2	09/28/2022
5	ASI-218R1	09/28/2022
4	PR-029R1	09/16/2022
3	ASI-016	06/02/2022
2	RFC 153	05/27/2022
1	ADDENDUM 05	12/06/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: CYS

DRAWN BY: AAM

REVIEWED BY: JBC

PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: GROUND FLOOR PLAN - SECTOR G

ISSUE DATE: 10/27/2021

SHEET NUMBER: A-105

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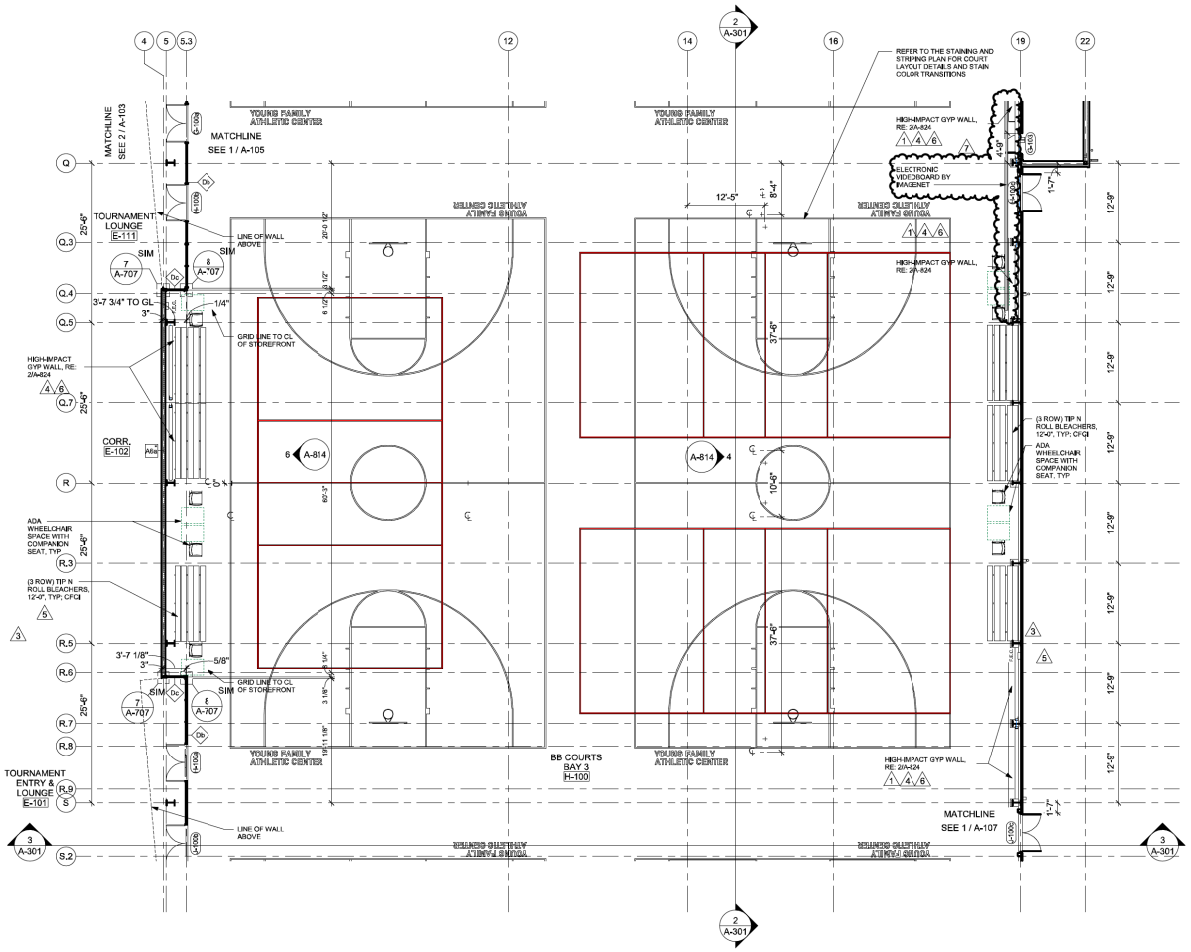

1 GROUND FLOOR PLAN - SECTOR H

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

0 4' 8' 16'
1/8" = 1'-0"

N

PROJECT KEYPLAN

319

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY INC

STATE OF OKLAHOMA
JASON T. HOLUDY
5408
5/12/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

7	PR-045R2	05/12/2023
6	PR-039R2	09/26/2022
5	ASI-018R1	09/26/2022
4	PR-029R1	09/16/2022
3	ASI-016	08/05/2022
2	RFC 153	05/27/2022
1	ADDENDUM 05	12/06/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: CYS
DRAWN BY: AAM
REVIEWED BY: JBC
PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: GROUND FLOOR PLAN - SECTOR H

ISSUE DATE: 10/27/2021

SHEET NUMBER: A-106

BID PACKAGE 5

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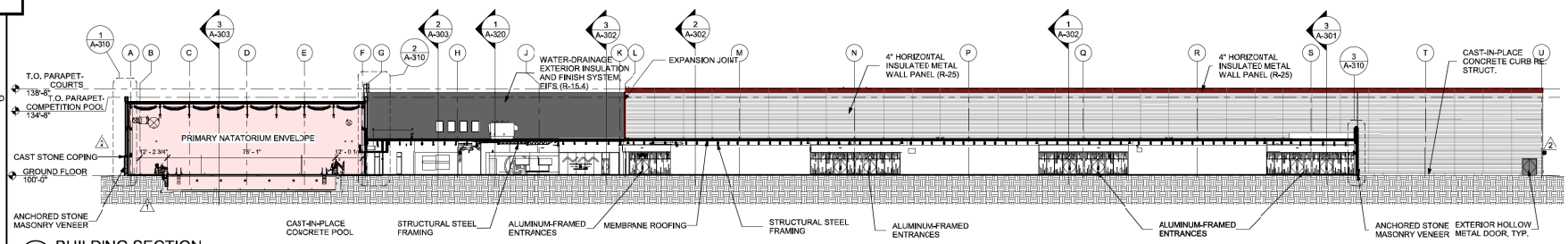
BIM: 360/City of Norman - Young Family Athletics Center/B06001_JJS.rvt

Item 24.



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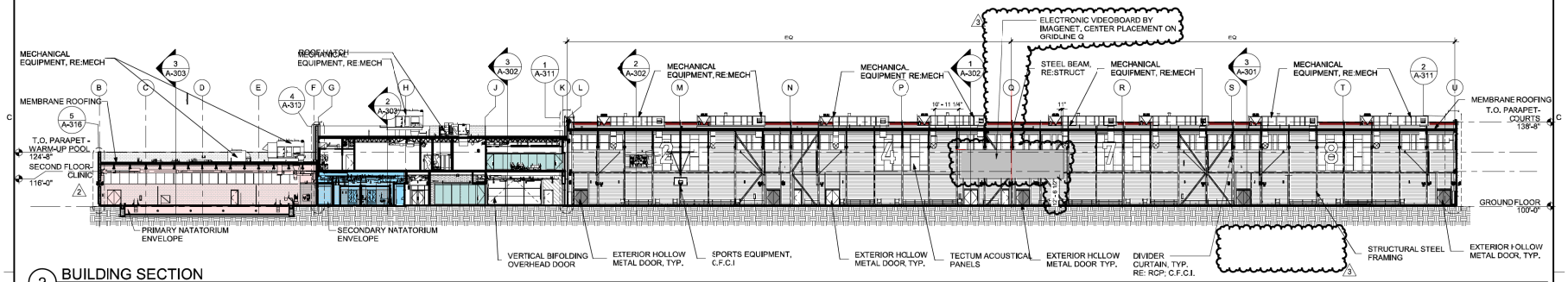

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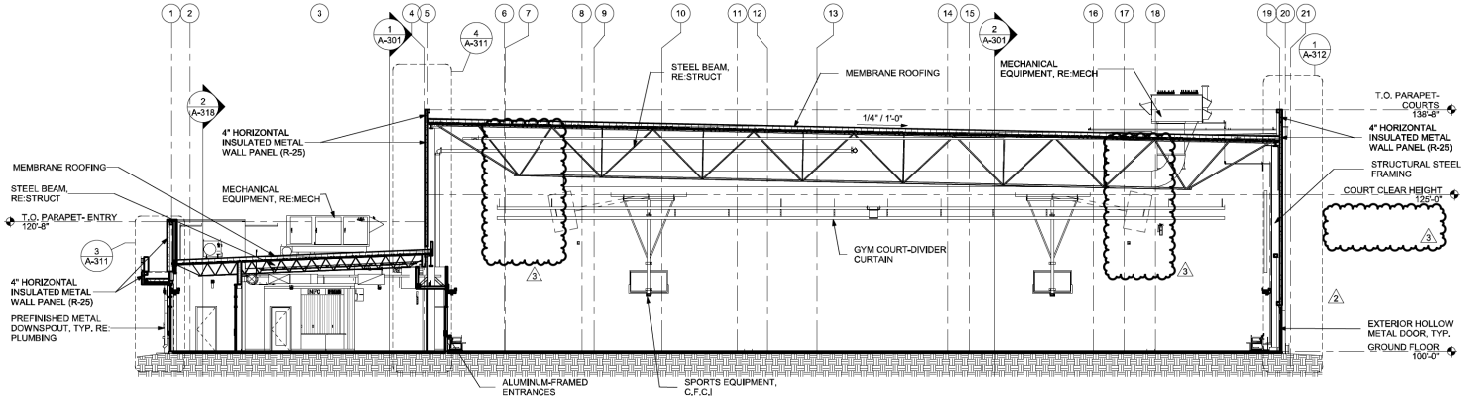

3 BUILDING SECTION
SCALE: 1/8" = 1'-0"

0 4' 8' 16' 1/8" = 1'-0"
0 20' 40' 1" = 20'-0"

320

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BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI WATER TECHNOLOGY INC

STATE OF OKLAHOMA JASON T. HOLLIBY 5486 LICENSED PROFESSIONAL ENGINEER 5/12/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

3	PR-045R2	05/12/2023
2	ASI-017	09/08/2022
1	PR-027 POOL DEPTH	08/01/2022
△	DESCRIPTION	DATE:

PROJECT INFORMATION:

DESIGNED BY: CYS
DRAWN BY: AAM
REVIEWED BY: JBC
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: BUILDING SECTIONS
ISSUE DATE: 10/27/2021
SHEET NUMBER: A-301

BID PACKAGE 5

5/12/2023 5:48:20 PM
BIM 360/City of Norman - Young Family Athletics Center/B08050_Arch.rvt

Item 24.

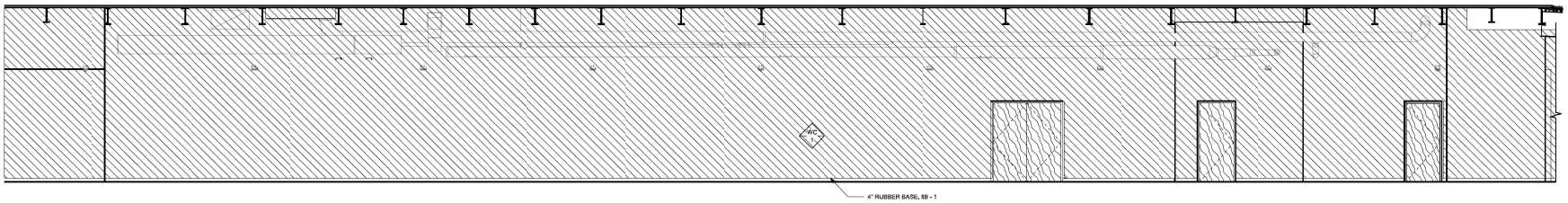
321

GENERAL NOTES:

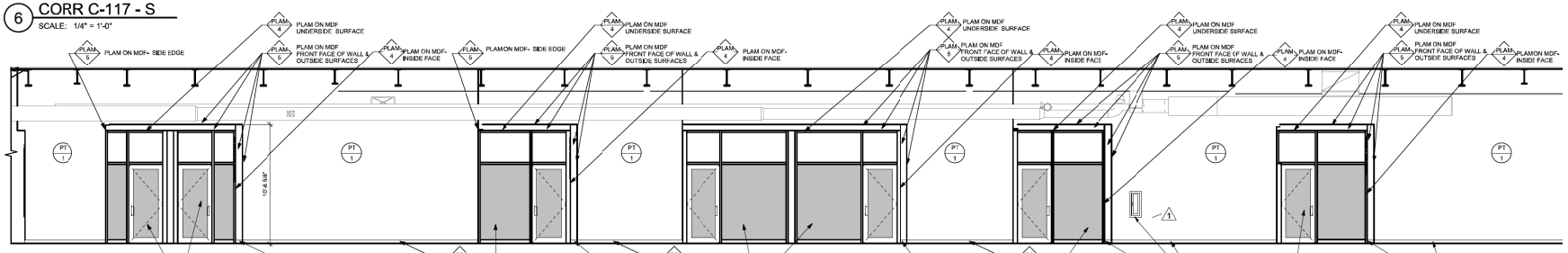
PAINT FOR EXPOSED STRUCTURAL MEMBERS TO BE:

1. VERTICAL STRUCTURAL MEMBERS (COLUMNS AND CROSS-BRACING) TO BE PAINTED PT6, UON. NATATORIUM PAINT TO BE HPC11.
2. TRUSSES TO BE PAINTED PT7, UON. NATATORIUM PAINT TO BE HPC7.
3. JOISTS & BEAMS TO BE PAINTED PT6, UON. NATATORIUM JOIST & BEAMS TO BE PAINTED HPC7. ALL ROOF BEAMS IN WARM-UP POOL TO BE HPC7.
4. MECHANICAL DUCTS RECIEVE NO PAINT, UON.
5. EXPOSED CEILINGS TO BE PAINTED PT12, UON.

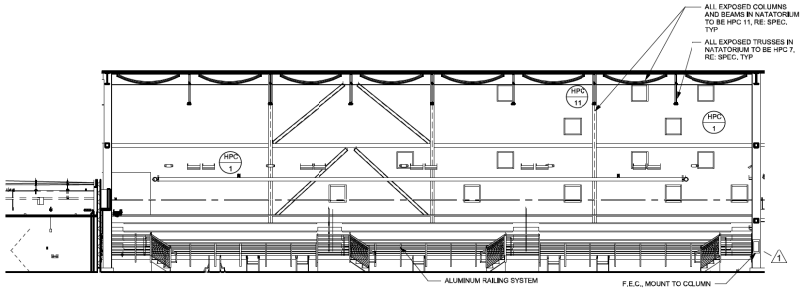
WALL COVERING - ALTERNATE NO 6: VINYL WALL COVERINGS



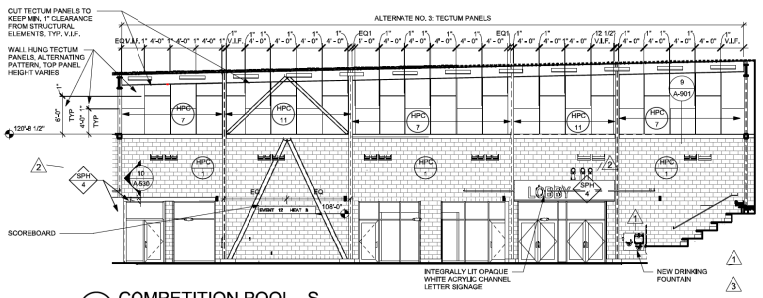
6 CORR C-117 - S
SCALE: 1/4" = 1'-0"



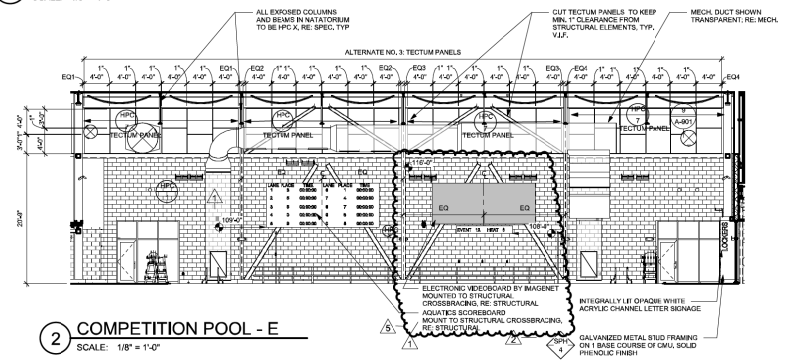
5 CORR C-117 - N
SCALE: 1/4" = 1'-0"



4 COMPETITION POOL - W
SCALE 1/8" = 1'-0"



3 COMPETITION POOL - S
SCALE: 1/8" = 1'-0"



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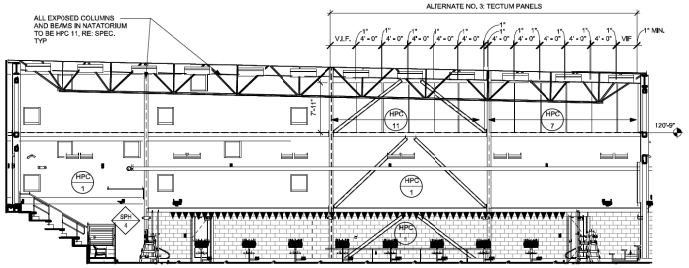
SCALE: 1/8" = 1'-0"



1 COMPETITION POOL - N
SCALE: 1/8" = 1'-0"

0 4' 8' 16' 1/8" = 1'-0" 0 2' 4' 8' 1/4" = 1'-0"

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY INC

STATE OF OKLAHOMA JASON T. HOLLIBY 5466 5/12/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

5	PR-045R2	05/12/2023
4	RFC-324	02/09/2023
3	PR-026R1	08/05/2022
2	RFC 137	05/16/2022
1	ADDENDUM 04	11/12/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: AAS
DRAWN BY: AAS
REVIEWED BY: JBC
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: INTERIOR ELEVATIONS NATATORIUM
ISSUE DATE: 10/27/2021
SHEET NUMBER: A-806

BID PACKAGE 5

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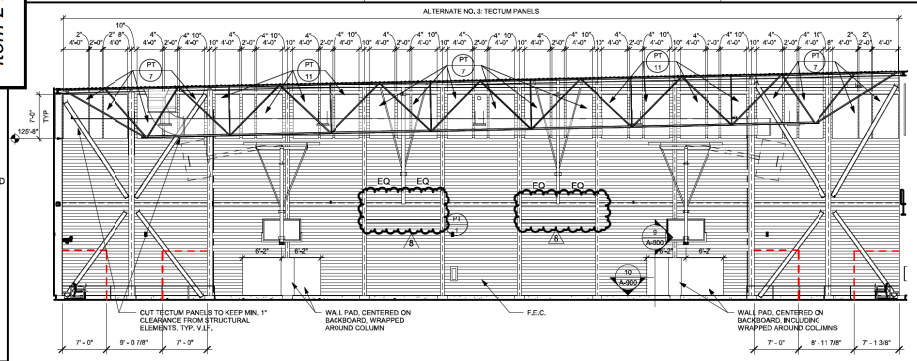
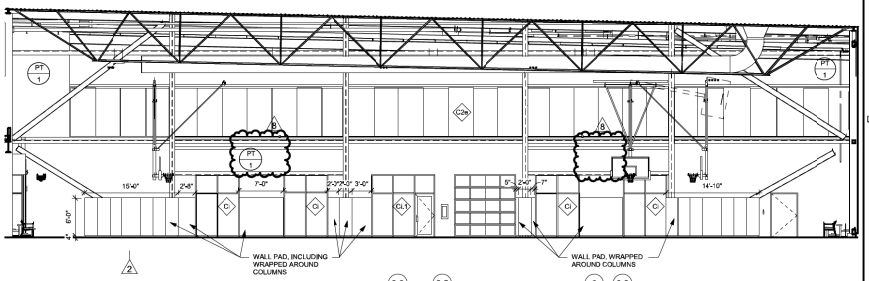
Item 24.



12 GYM - S
SCALE: 1/8" = 1'-0"



11 GYM - N
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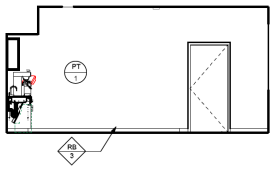
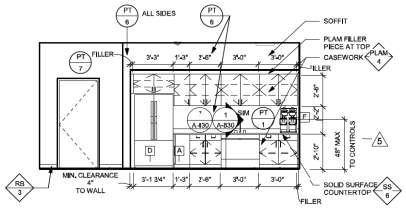


10 TOURNAMENT E-104 - S
SCALE: 1/4" = 1'-0"



9 TOURNAMENT E-104 - E
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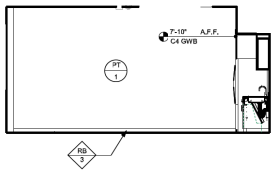

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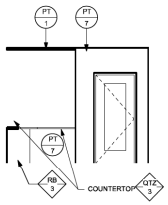

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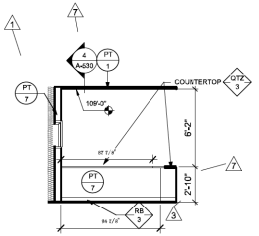
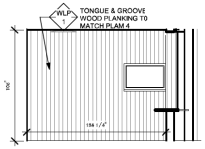
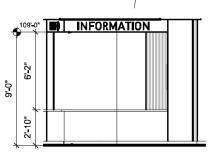


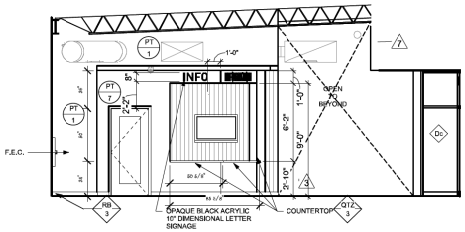
5 TICKETING- E-103 - E
SCALE: 1/4" = 1'-0"



4 TICKETING E-103 - N
SCALE: 1/4" = 1'-0"



7 TICKETING DESK ELEVATION
SCALE: 1/4" = 1'-0"



3 TOURNAMENT ENTRY - N
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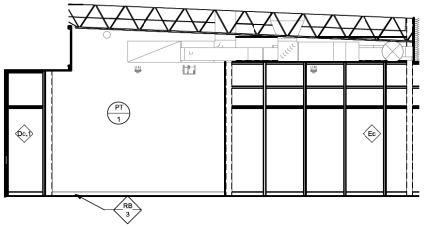
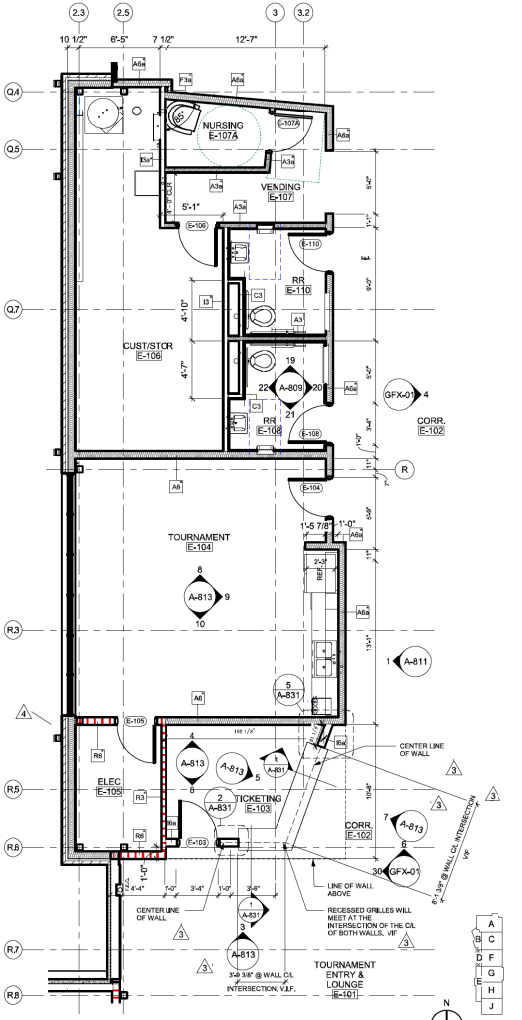


2 TOURNAMENT ENTRY - S
SCALE: 1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - SECTOR D
SCALE: 1/4" = 1'-0"

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY INC

STATE OF OKLAHOMA
JASON T. HOLIBY
5/12/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

8	PR-049R2	05/12/2023
7	PR-052	04/28/2023
6	PR-031	06/09/2022
5	ADA REPORT RESPONSE	05/25/2022
4	PR-007	08/15/2022
3	ASI-01	01/13/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY:	AAS
DRAWN BY:	AAS
REVIEWED BY:	JBC
PROJECT MANAGER:	JJS
PROJECT NUMBER:	2018-069-01
SHEET TITLE:	INTERIOR ELEVATIONS - GYM & SECTOR D
ISSUE DATE:	10/27/2021
SHEET NUMBER:	A-813

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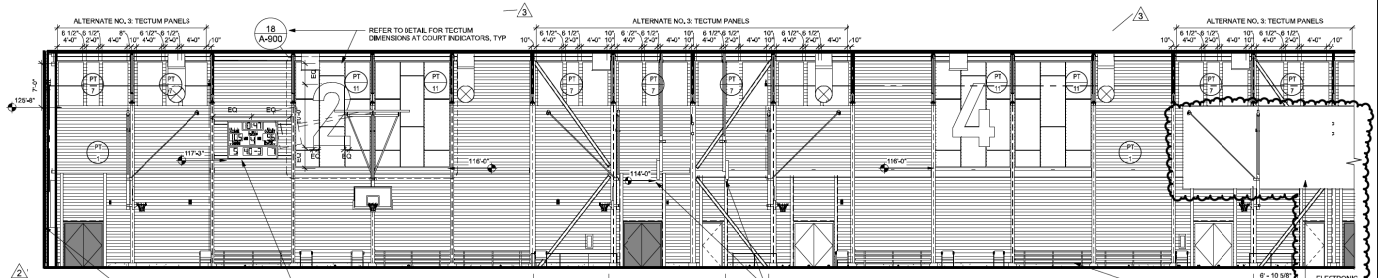
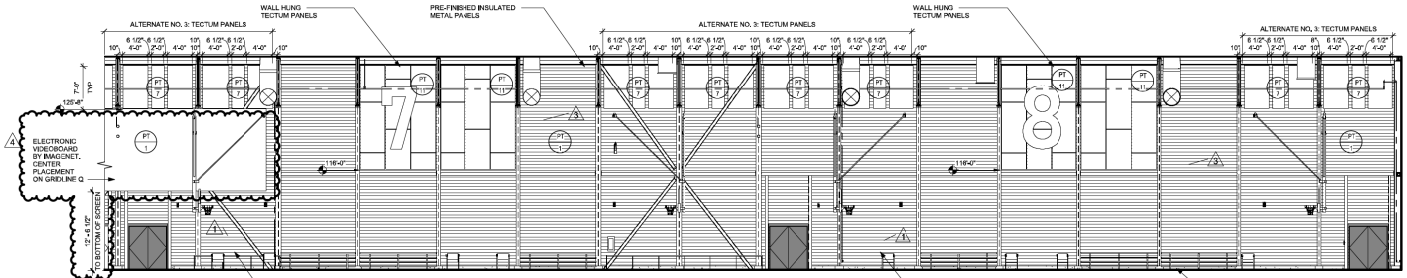
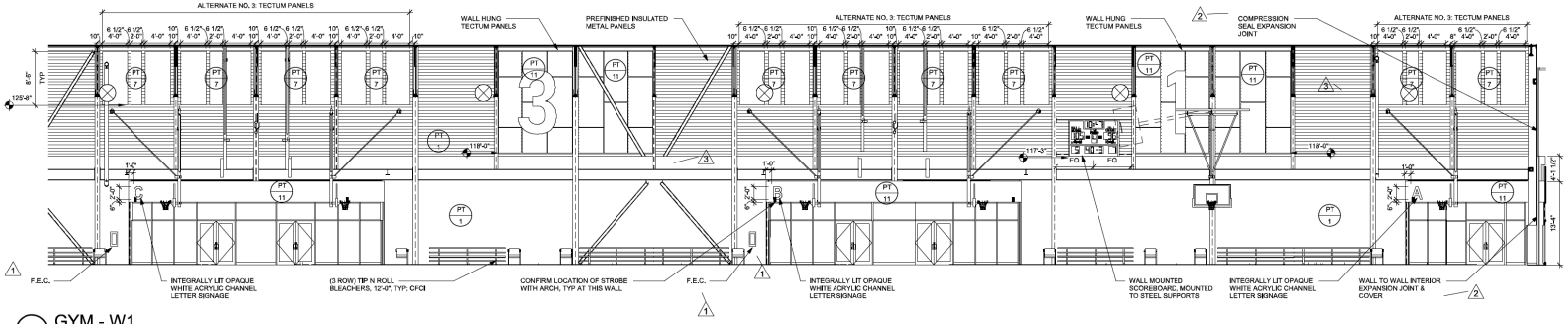
Item 24.



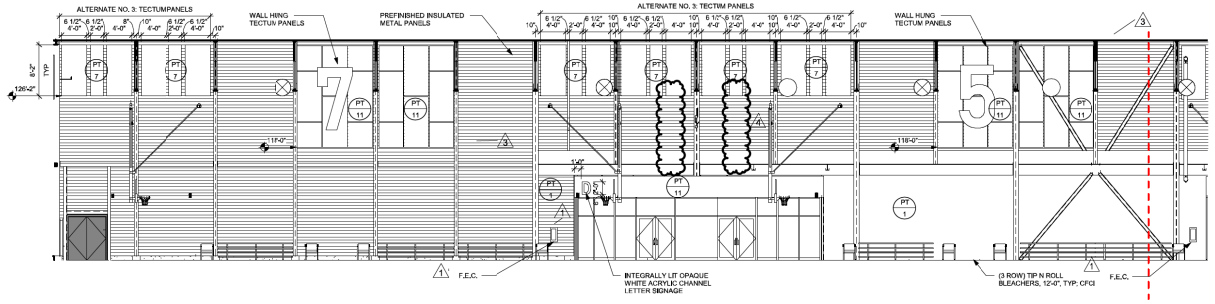
3 GYM - E1
SCALE: 1/8" = 1'-0"



4 GYM - E2
SCALE: 1/8" = 1'-0"



5 GYM - W1
SCALE: 1/8" = 1'-0"



6 GYM - W2
SCALE: 1/8" = 1'-0"

0 4' 8' 16'
1/8" = 1'-0"

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JHBR architecture
WTI WATER TECHNOLOGY INC
STATE OF OKLAHOMA JASON T. HOLLIS 5464 5/12/2023

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY

4	PR-045R2	05/12/2023
3	PR-047	03/07/2023
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: AAS
DRAWN BY: AAS
REVIEWED BY: JBC
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: INTERIOR ELEVATIONS - GYM
ISSUE DATE: 10/27/2021
SHEET NUMBER: A-814

BID PACKAGE 5

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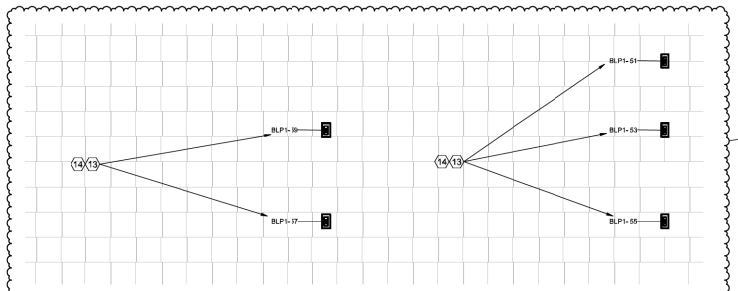
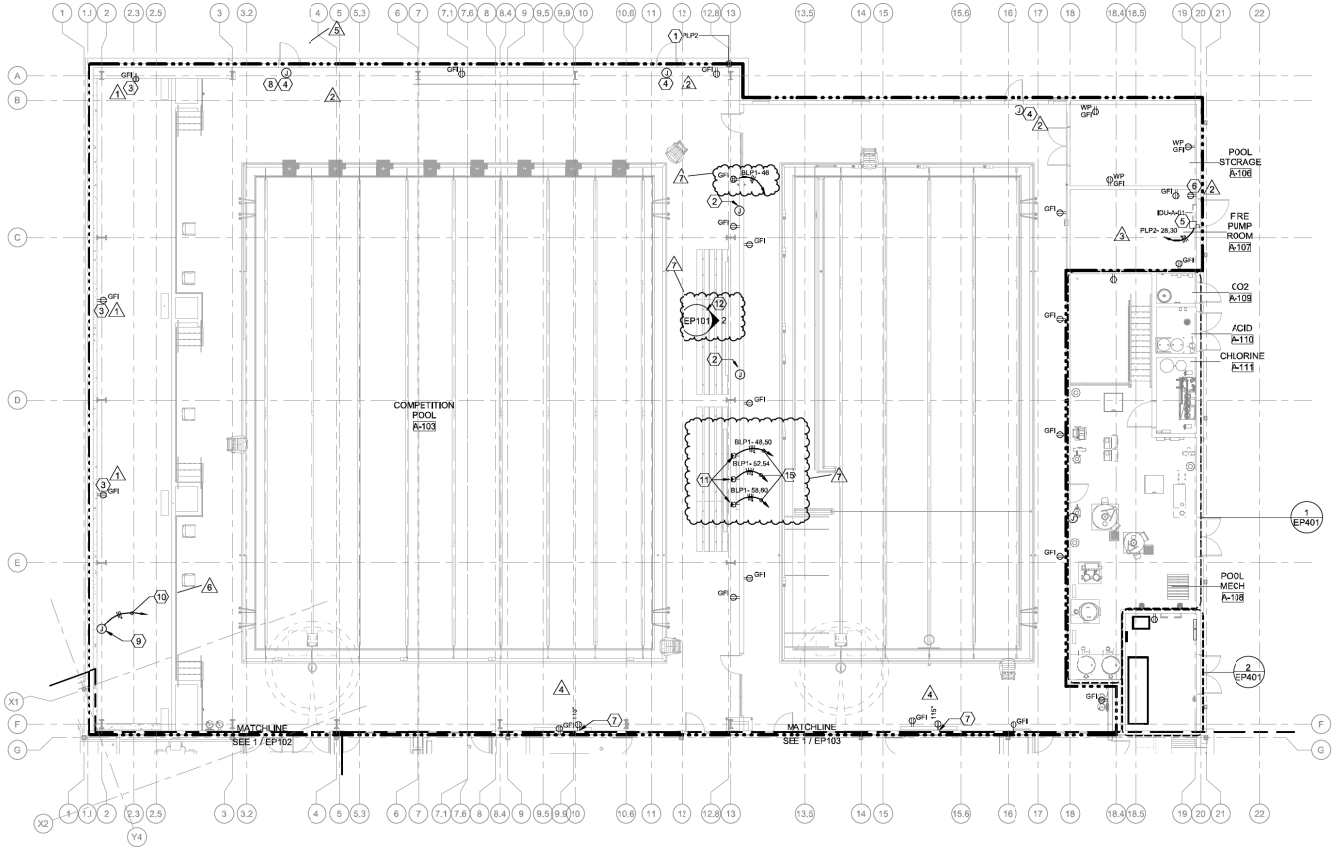
Item 24.



2 ELECTRICAL POWER PLAN ELEVATION - POOL SCOREBOARD
SCALE: 3/4" = 1'-0"



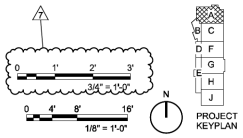
1 ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR A
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. POOL AREAS ARE TO BE CONSIDERED CORROSIVE A ENVIRONMENT. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH 2017 NEC ARTICLE 680.14 (B) AND APPLICABLE LOCAL CODES.
B. PROVIDE SHOP DRAWING REQUIREMENTS FOR CONDUIT.

SHEET KEYNOTES

1. POWER ALL ELECTRICAL DEVICES TO THIS PANEL UNO. NUMBER NEXT TO ELECTRICAL DEVICE INDICATES CIRCUIT NUMBER IN PANEL.
2. POWER FOR WALL MOUNTED VIDEO DISPLAY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH VIDEO DISPLAY MANUFACTURER.
3. RECEPTACLE TO BE MOUNTED 2'-0" ABOVE SEATING.
4. JUNCTION BOX TO POWER DOOR BUZZER. COORDINATE WITH DOOR BUZZER INSTALLER ON EXACT LOCATION.
5. 240V, 30A, NEMA 1, NF DISCONNECT FOR DU-D-01. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
6. RECEPTACLE TO POWER CONDENSATE PUMPS. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER.
7. COORDINATE EXACT MOUNTING HEIGHT WITH SCORE BOARD INSTALLER.
8. PROVIDE POWER CONNECTION FOR DOOR ACCESS CONTROLS THROUGH THIS JUNCTION BOX ALONG WITH BUZZER POWER. COORDINATE WITH DOOR ACCESS INSTALLER/PROVIDER FOR OTHER REQUIREMENTS.
9. POWER CONNECTION FOR EXTERIOR BULDING SIGN WITH DISCONNECTING MEANS. COORDINATE WITH SIGN INSTALLER / PROVIDER FOR EXACT LOCATION AND CONNECTION TYPE.
10. COORDINATE WITH SIGN DATA SHEET AND CIRCUIT TO PANEL PHP1 IF SIGN REQUIRES 277V CIRCUIT. CIRCUIT TO PANEL PLP2 IF SIGN REQUIRES 120V CIRCUIT. UTILIZE SPARE BREAKER IN PANEL. CONTRACTOR TO SIZE WIRES TO AVOID ANY VOLTAGE DROP GREATER THAN 2% AT THE BUILDING SIGN LOCATION. INSTALL PHOTO CELL WITH NEMA 3R CONTACTOR ON ROOF ABOVE ELECTRICAL ROOM TO CONTROL SIGN HOURS.
11. 208V, 20A, 1P OUTLET FOR VIDEO BOARD. COORDINATE WITH VIDEO BOARD SUPPLIER/INSTALLER ON HEIGHT AND EXACT LOCATION.
12. REFER TO ELEVATION DETAILS FOR ADDITIONAL POWER AT SCOREBOARD.
13. DUPLEX RECEPTACLES TO CONNECT SCOREBOARD. COORDINATE FOR EXACT HEIGHT AND LOCATION.
14. 2 #10, 1 #10 EG, 3/4" CONDUIT TO EACH RECEPTACLE.
15. 3 #10, 1 #10 EG, 3/4" CONDUIT.



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BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA
10/27/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

	DESCRIPTION	DATE
7	PR-45R2	05/12/2022
6	PR-047	05/07/2022
5	PR-035	10/19/2022
4	PR-028R1	08/09/2022
3	ADDENDUM 06	01/13/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021

PROJECT INFORMATION:
DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR A
ISSUE DATE: 10/27/2021
SHEET NUMBER: EP101

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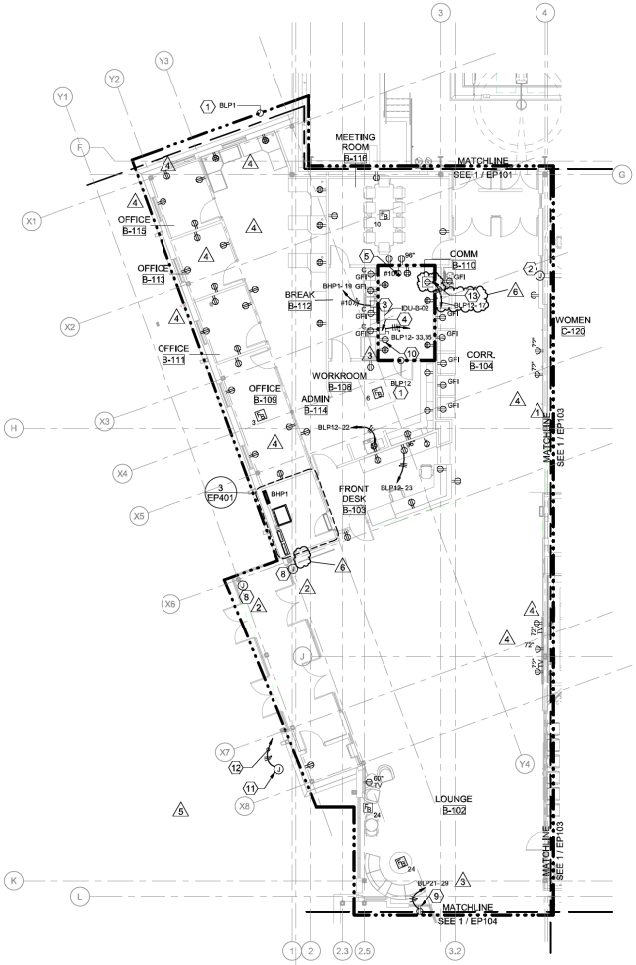
Item 24.



1 ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR B

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

GENERAL NOTES

A. ALL FLOORBOXES SHOWN ON THESE DRAWINGS SHALL BE COORDINATED WITH OWNER AND ARCHITECT FOR EXACT LOCATIONS. CONTRACTOR SHALL SUBMIT DIMENSIONED FLOORBOXES TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL. PROVIDE (1) DUPLEX IN FLOORBOX UNO AND REFER TO ET SHEETS FOR FLOOR BOX BASIS OF DESIGN AND REQUIREMENTS.

SHEET KEYNOTES

1. POWER ALL ELECTRICAL DEVICES TO THIS PANEL UNO. NUMBER NEXT TO ELECTRICAL DEVICE INDICATES CIRCUIT NUMBER IN PANEL.
2. POWER FOR WALL MOUNTED VIDEO DISPLAY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH VIDEO DISPLAY MANUFACTURER.
3. 600V, 30A, 3-POLE, NEMA 1, NF DISCONNECT SWITCH FOR EWH-1.
4. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-B-02. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
5. L6-30R FOR COMMUNICATIONS RACK. COORDINATE EXACT LOCATION WITH ET SHEETS.
6. NOT USED.
7. NOT USED.
8. JUNCTION BOX TO POWER DOOR ACCESS CONTROL. COORDINATE EXACT LOCATION WITH DOOR INSTALLER.
9. RECEPTACLES FOR SHOW WINDOWS. RECEPTACLE TO BE MOUNTED NO MORE THAN 18" ABOVE TOP OF GLAZING.
10. RECEPTACLE TO POWER CONDENSATE PUMPS. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER.
11. POWER CONNECTION FOR PEDESTAL SIGN WITH DISCONNECTING MEANS. COORDINATE WITH SIGN INSTALLER FOR EXACT LOCATION. REFER TO ARCHITECTURAL SHEETS OF PR-047 FOR ELECTRICAL BOX LOCATION. COORDINATE WITH SIGN SUPPLIER / INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND SIZE OF BOX NECESSARY TO HOUSE SIGN DRIVERS.
12. CIRCUIT SIGN POWER TO BHP1 IF SIGN REQUIRES 277V CIRCUIT. CIRCUIT TO PANEL BLP12 IF SIGN REQUIRES 120V CIRCUIT. UTILIZE SPARE 3REAKER. INSTALL PHOTO CELL WITH NEMA 3R CONTACTOR ON ROOF ABOVE ELECTRICAL ROOM TO CONTROL SIGN LIGHTS.
13. CONNECTION FOR ROOF SYSTEM CONTROL PANEL. COORDINATE EXACT LOCATION IN ROOM WITH SYSTEM INSTALLER.

0 4' 8' 16'
1/8" = 1'-0"

N

PROJECT KEYPLAN

A C D F G E H J

325

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LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20655 OKLAHOMA
11/9/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

#	DESCRIPTION	DATE
6	PR-49R2	05/12/2022
5	PR-047	03/07/2022
4	PR-09	06/24/2022
3	ADDENDUM 06	01/13/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021

PROJECT INFORMATION:

DESIGNED BY: GPN

DRAWN BY: GPN

REVIEWED BY: WCM

PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR B

ISSUE DATE: 10/27/2021

SHEET NUMBER: EP102

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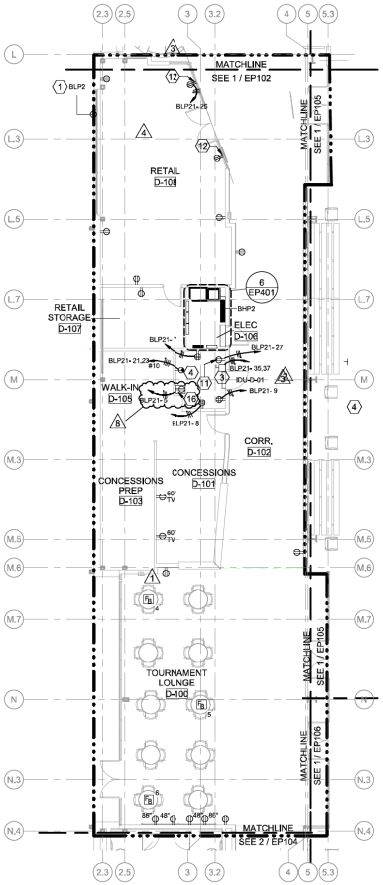
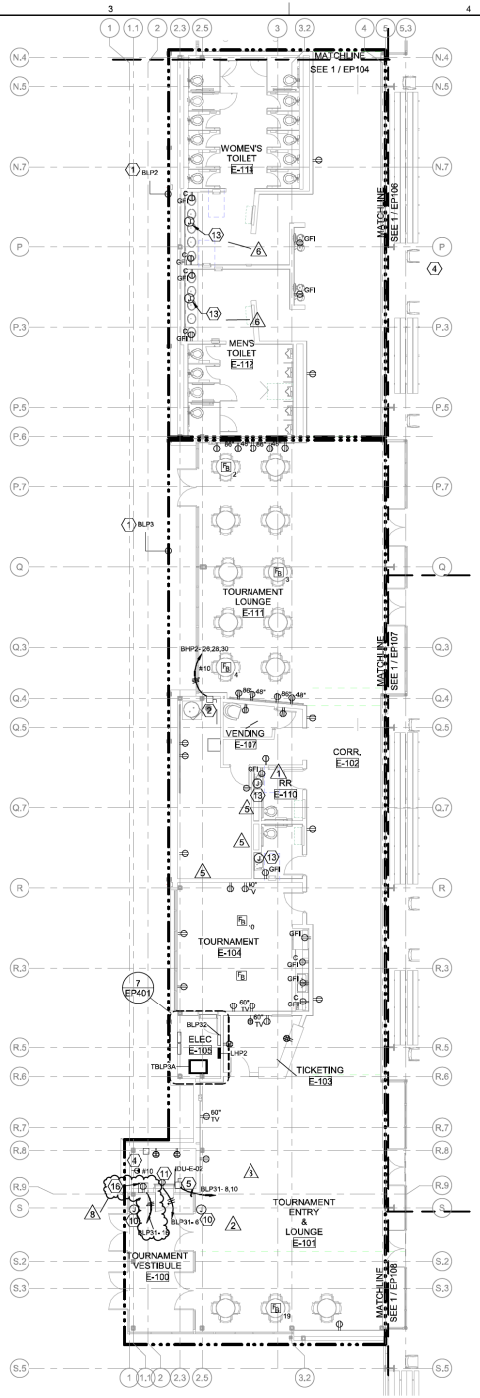
Item 24.



1 ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR D
SCALE: 1/8" = 1'-0"



2 ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR E
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. ALL FLOORBOXES SHOWN ON THESE DRAWINGS SHALL BE COORDINATED WITH OWNER AND ARCHITECT FOR EXACT LOCATIONS. CONTRACTOR SHALL SUBMIT DIMENSIONED FLOORBOXES TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL. PROVIDE (1) DUPLEX IN FLOORBOX UNO AND REFER TO ET SHEETS FOR FLOOR BOX BASIS OF DESIGN AND REQUIREMENTS.

SHEET KEYNOTES

1. POWER ALL ELECTRICAL DEVICES TO THIS PANEL UNO. NUMBER NEXT TO ELECTRICAL DEVCE INDICATES CIRCUIT NUMBER IN PANEL.
2. 600V, 30A, 3 POLE, NEMA 1, NF DISCONNECT FOR EWH-2. COORDINATE EXACT LOCATION WITH EQUIPMENT.
3. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-D-01. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
4. L6-30R FOR COMMUNICATIONS RACK. COORDINATE EXACT LOCATION WITH ET SHEETS.
5. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-E-02. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
6. J-BOX TO POWER MECHANICAL SHADES PANEL FOR D-108. MECHANICAL SHADES TO BE CONTROLLED BY LIGHTING CONTROL PANEL.
7. MECHANICAL SHADES POWERED FROM MECHANICAL SHADE PANEL DENOTED BY KEYNOTE 6. ROOM TO HAVE INDIVIDUAL OVERRIDE SWITCH.
8. NOT USED.
9. NOT USED.
10. JUNCTION BOX TO POWER DOOR ACCESS CONTROL. COORDINATE EXACT LOCATION WITH DOOR INSTALLER.
11. RECEPTACLE TO POWER CONDENSATE PUMPS. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER.
12. RECEPTACLES FOR SHOW WINDOWS. RECEPTACLE TO BE MOUNTED NO MORE THAN 18" ABOVE TOP OF GLAZING.
13. JUNCTION BOX TO POWER FAUCET SENSOR. COORDINATE EXACT LOCATION WITH INSTALLER.
14. POWER CONNECTION FOR PEDESTAL SIGN WITH DISCONNECTING MEANS. COORDINATE WITH SIGN INSTALLER FOR EXACT LOCATION. REFER TO ARCHITECTURAL SHEETS OF PR-047 FOR ELECTRICAL BOX LOCATION. COORDINATE WITH SIGN SUPPLIER / INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND SIZE OF BOX NECESSARY TO HOUSE SIGN DRIVERS.
15. CIRCUIT SIGN POWER TO LHP2 IF SIGN REQUIRES 277V CIRCUIT. CIRCUIT TO PANEL BLP31 IF SIGN REQUIRES 120V CIRCUIT. UTILIZE SPARE 3REAKER. INSTALL PHOTO CELL WITH NEMA 3R CONTACTOR ON ROOF ABOVE ELECTRICAL ROOM TO CONTROL SIGN LIGHT.
16. CONNECTION FOR MUSCO SYSTEM CONTROL PANEL. COORDINATE EXACT LOCATION IN ROOM WITH SYSTEM INSTALLER.

0 4' 8' 16'
1/8" = 1'-0"

N
PROJECT KEYPLAN

326
FSB
5801 Broadway Extension, Suite 500
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BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI WATER TECHNOLOGY, INC
LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20655 OKLAHOMA
19/5/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

8	PR-45R2	05/12/2022
7	PR-047	03/07/2022
6	PR33	09/09/2022
5	PR-029R1	08/05/2022
4	PR-09	06/24/2022
3	ADDENDUM 06	01/13/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR D & E

ISSUE DATE: 10/27/2021

SHEET NUMBER: EP104

BID PACKAGE 5

5/12/2023 1:41:27 PM
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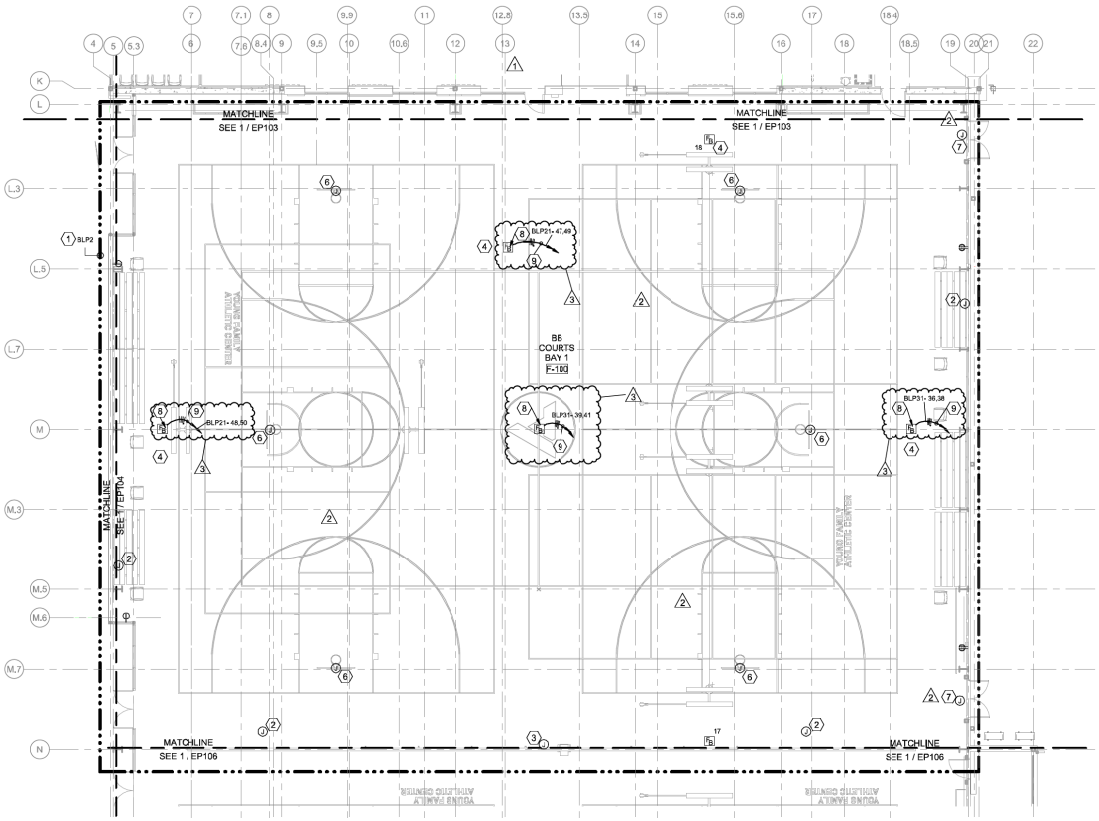
Item 24.

GENERAL NOTES

A. ALL FLOORBOXES SHOWN ON THESE DRAWINGS SHALL BE COORDINATED WITH OWNER AND ARCHITECT FOR EXACT LOCATIONS. CONTRACTOR SHALL SUBMIT DIMENSIONED FLOORBOXES TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL. PROVIDE (1) DUPLEX IN FLOORBOX UNO AND REFER TO ET SHEETS FOR FLOOR BOX BASIS OF DESIGN AND REQUIREMENTS.

SHEET KEYNOTES

1. POWER ALL ELECTRICAL DEVICES TO THIS PANEL UNO. NUMBER NEXT TO ELECTRICAL DEVCE INDICATES CIRCUIT NUMBER IN PANEL.
2. RECEPTACLE TO POWER SCOREBOARD. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH SCOREBOARD INSTALLER.
3. JUNCTION BOX TO POWER RETRACTABLE CURTAIN DIVIDER. COORDINATE EXACT LOCATION WITH CURTAIN DIVIDER.
4. FLOORBOX TO BE COORDINATED WITH EXACT LOCATION OF SCORE TABLE.
5. NOT USED.
6. JUNCTION BOX TO POWER RETRACTABLE BASKETBALL GOAL. COORDINATE EXACT LOCATION OF BASKETBALL GOAL.
7. JUNCTION BOX TO POWER DOOR BUZZER. COORDINATE WITH DOOR BUZZER INSTALLER ON EXACT LOCATION.
8. FURNISH 2-NEMA 5-20R RECEPTACLES IN FLOORBOX. EACH RECEPTACLE ON DEDICATED CIRCUIT.
9. 4 #10, 1 #10 EG, 1" CONDUIT.



1 ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR F

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

0 4' 8' 16'
1/8" = 1'-0"

N

PROJECT KEYPLAN

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA
11/9/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

#	DESCRIPTION	DATE
3	PR-45R2	05/12/2023
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021

PROJECT INFORMATION:

DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR F
ISSUE DATE: 10/27/2021
SHEET NUMBER: EP105

BID PACKAGE 5

5/12/2023 5:27:46 PM

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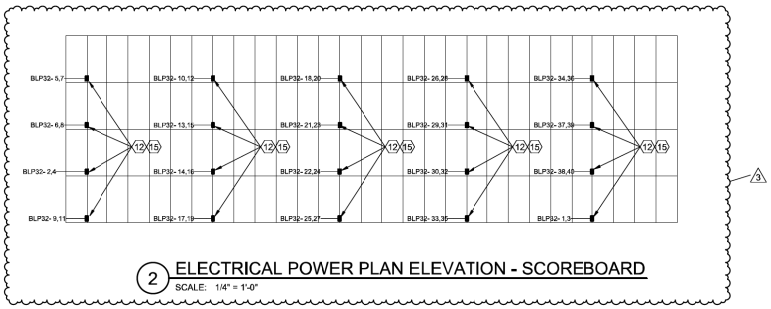
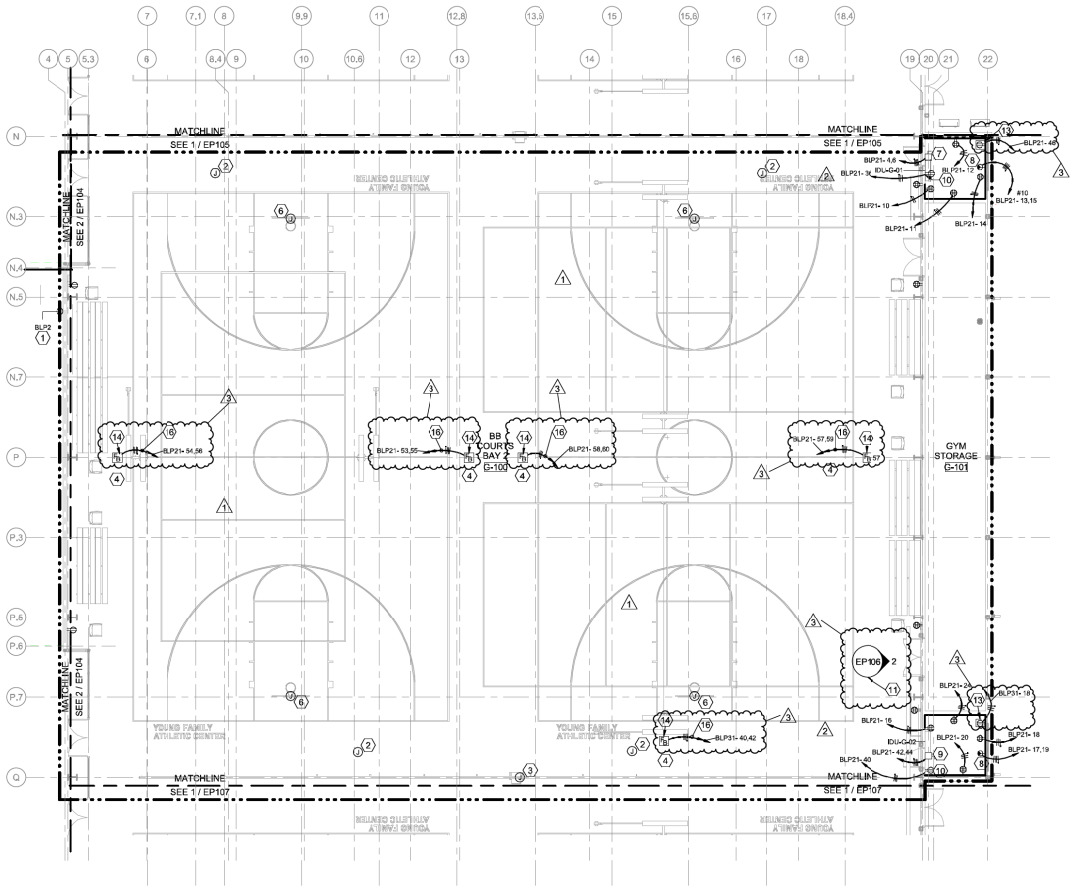
Item 24.



2 ELECTRICAL POWER PLAN ELEVATION - SCOREBOARD

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



1 ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR G

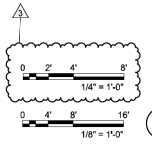
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. ALL FLOORBOXES SHOWN ON THESE DRAWINGS SHALL BE COORDINATED WITH OWNER AND ARCHITECT FOR EXACT LOCATIONS. CONTRACTOR SHALL SUBMIT DIMENSIONED FLOORBOXES TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL. PROVIDE (1) DUPLEX IN FLOORBOX UNO AND REFER TO ET SHEETS FOR FLOOR BOX BASIS OF DESIGN AND REQUIREMENTS.

SHEET KEYNOTES

1. POWER ALL ELECTRICAL DEVICES TO THIS PANEL UNO. NUMBER NEXT TO ELECTRICAL DEVCE INDICATES CIRCUIT NUMBER IN PANEL.
2. JUNCTION BOX TO POWER SCOREBOARD. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH SCOREBOARD.
3. JUNCTION BOX TO POWER RETRACTABLE CURTAIN DIVIDER. COORDINATE EXACT LOCATION WITH CURTAIN DIVIDER.
4. FLOORBOX TO BE COORDINATED WITH EXACT LOCATION OF SCORE TABLE.
5. NOT USED
6. JUNCTION BOX TO POWER RETRACTABLE BASKETBALL GOAL. COORDINATE EXACT LOCATION OF BASKETBALL GOAL.
7. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-G-01. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
8. L6-30R FOR COMMUNICATIONS RACK. COORDINATE EXACT LOCATION WITH ET SHEETS.
9. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-G-02. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
10. RECEPTACLE TO POWER CONDENSATE PUMPS. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER.
11. REFER TO ELEVATION FOR ADDITIONAL POWER REQUIREMENTS AT VIDEO BOARD.
12. 208V, 20A, 1P OUTLETS FOR SCOREBOARD. COORDINATE WITH SCOREBOARD SUPPLIER/INSTALLER FOR EXACT HEIGHT AND LOCATION.
13. CONNECTION FOR MUSCO SYSTEM. COORDINATE FINAL LOCATION WITH INSTALLER.
14. FURNISH 2-NEMA L5-20R RECEPTACLE IN FLOORBOXES. EACH RECEPTACLE ON DEDICATED CIRCUIT.
15. 3 #10, 1 #10 EG, 3/4" CONDUIT. FROM EACH OUTLET BACK TO PANEL BOARD.
16. 4 #10, 1 #10 EG, 1" CONDUIT.



328

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA
10/27/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

3	PR-45R2	05/12/2022
2	ADDENDUM 06	01/13/2022
1	ADDENDUM 05	12/06/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: GPN

DRAWN BY: GPN

REVIEWED BY: WCM

PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR G

ISSUE DATE: 10/27/2021

SHEET NUMBER: EP106

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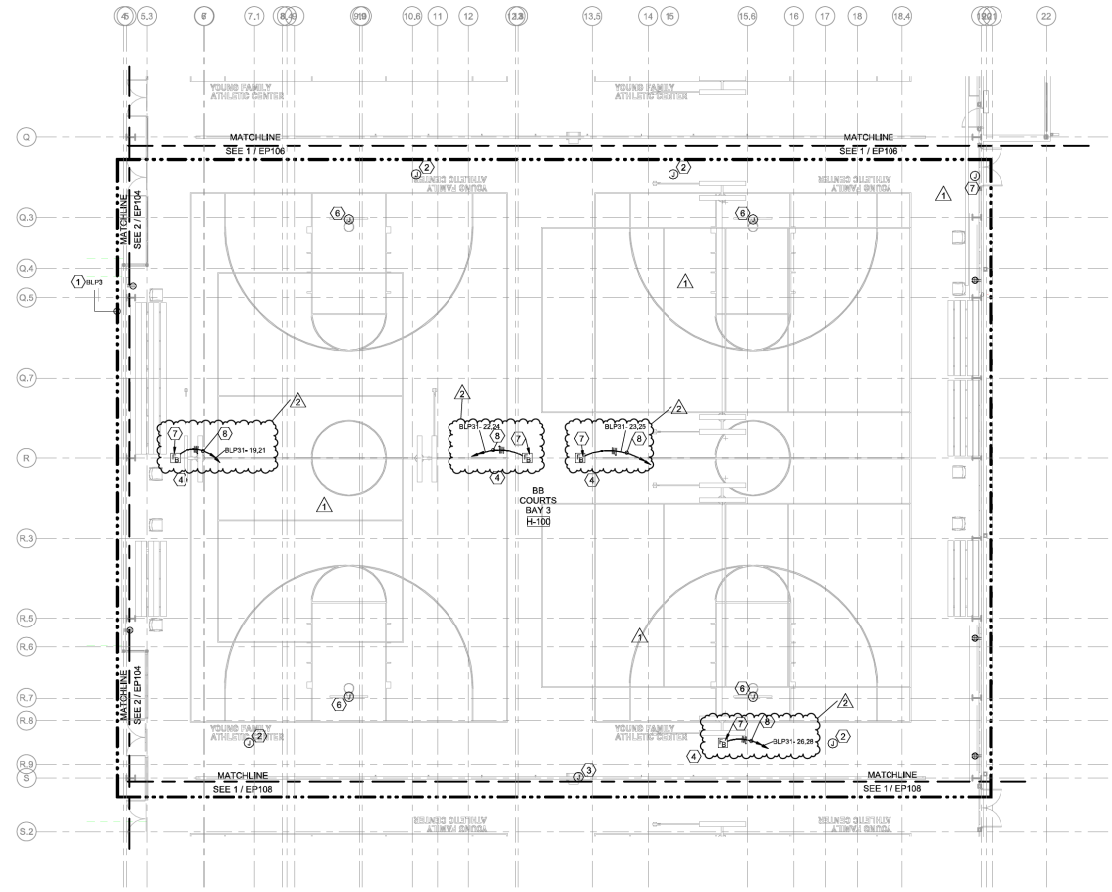
5/12/2023 1:41:31 PM

BIM 360:/City of Norman - Young Family Athletics Center/R23/EP_Sector.rvt

Item 24.

329



1 ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR H

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

GENERAL NOTES

A. ALL FLOORBOXES SHOWN ON THESE DRAWINGS SHALL BE COORDINATED WITH OWNER AND ARCHITECT FOR EXACT LOCATIONS. CONTRACTOR SHALL SUBMIT DIMENSIONED FLOORBOXES TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL. PROVIDE (1) DUPLEX IN FLOORBOX UNO AND REFER TO ET SHEETS FOR FLOOR BOX BASIS OF DESIGN AND REQUIREMENTS.

SHEET KEYNOTES

1. POWER ALL ELECTRICAL DEVICES TO THIS PANEL UNO. NUMBER NEXT TO ELECTRICAL DEVCE INDICATES CIRCUIT NUMBER IN PANEL.
2. JUNCTION BOX TO POWER SCOREBOARD. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH SCOREBOARD.
3. JUNCTION BOX TO POWER RETRACTABLE CURTAIN DIVIDER. COORDINATE EXACT LOCATION WITH CURTAIN DIVIDER.
4. FLOORBOX TO BE COORDINATED WITH EXACT LOCATION OF SCORE TABLE.
5. NOT USED
6. JUNCTION BOX TO POWER RETRACTABLE BASKETBALL GOAL. COORDINATE EXACT LOCATION OF BASKETBALL GOAL.
7. FURNISH 2-NEMA 15-20R RECEPTACLE IN FLOORBOXES. EACH RECEPTACLE ON DEDICATED CIRCUIT.
8. 4 #10, 1 #10 EG, 3/4" CONDUIT.

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA
11/9/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

#	DESCRIPTION	DATE
2	PR-4SR2	05/12/2022
1	ADDENDUM 06	12/06/2021

PROJECT INFORMATION:

DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR H

ISSUE DATE: 10/27/2021

SHEET NUMBER: EP107

BID PACKAGE 5

0 4' 8' 16'
1/8" = 1'-0"

N

PROJECT KEYPLAN

5/12/2023 1:41:41 PM

BIM 360://City of Norman - Young Family Athletics Center/R23000_Elec.rvt

Item 24.

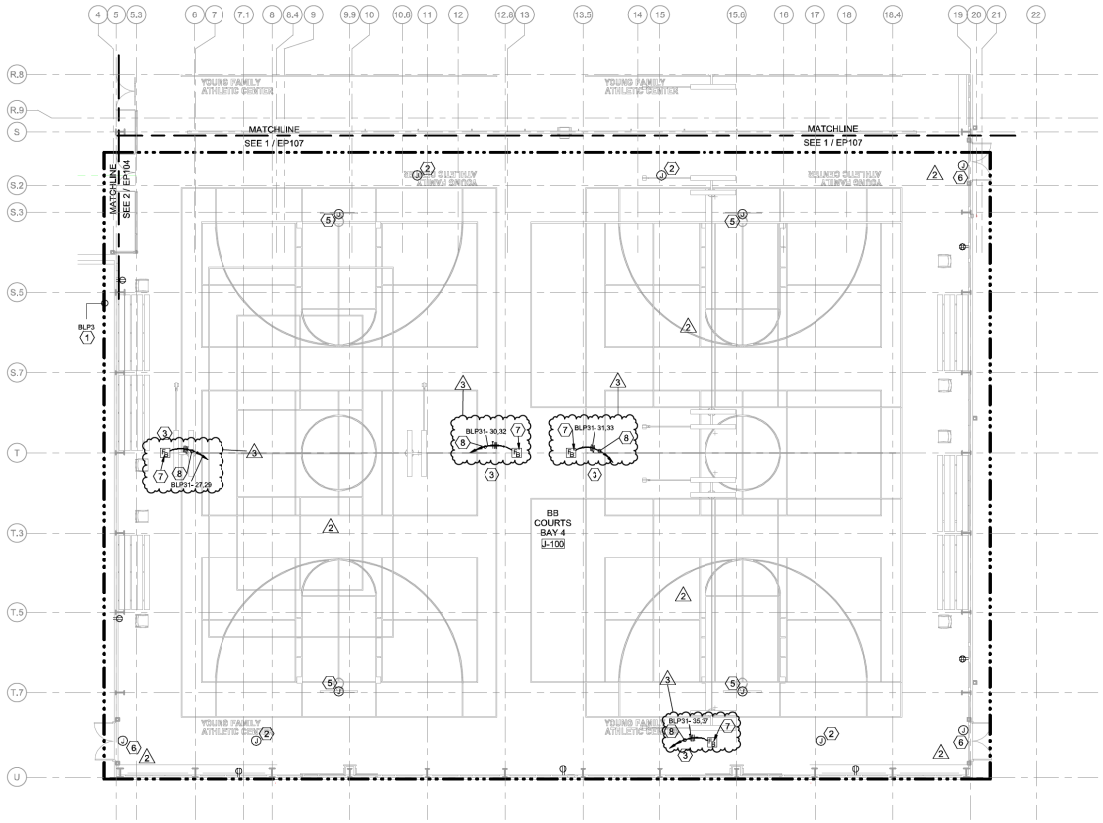
330

GENERAL NOTES

A. ALL FLOORBOXES SHOWN ON THESE DRAWINGS SHALL BE COORDINATED WITH OWNER AND ARCHITECT FOR EXACT LOCATIONS. CONTRACTOR SHALL SUBMIT DIMENSIONED FLOORBOXES TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL.PROVIDE (1) DUPLEX IN FLOORBOX UNO AND REFER TO ET SHEETS FOR FLOOR BOX BASIS OF DESIGN AND REQUIREMENTS.

SHEET KEYNOTES

1. POWER ALL ELECTRICAL DEVICES TO THIS PANEL UNO. NUMBER NEXT TO ELECTRICAL DEVCE INDICATES CIRCUIT NUMBER IN PANEL.
2. RECEPTACLE TO POWER SCOREBOARD. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH SCOREBOARD.
3. FLOORBOX TO BE COORDINATED WITH EXACT LOCATION OF SCORE TABLE.
4. NOT USED
5. JUNCTION BOX TO POWER RETRACTABLE BASKETBALL GOAL. COORDINATE EXACT LOCATION OF BASKETBALL GOAL.
6. JUNCTION BOX TO POWER DOOR BUZZER. COORDINATE WITH DOOR BUZZER INSTALLER ON EXACT LOCATION.
7. FURNISH 2-NEMA L5-20R RECEPTACLE IN FLOORBOXES. EACH RECEPTACLE ON DEDICATED CIRCUIT.
8. 4 #10, 1 #10 EG, 1" CONDUIT.



1 ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR J

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

0 4' 8' 16'
1/8" = 1'-0"

N

A B C D E F G H
PROJECT KEYPLAN

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA
11/15/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

#	DESCRIPTION	DATE
3	PR-45R2	05/12/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021

PROJECT INFORMATION:

DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR J
ISSUE DATE: 10/27/2021
SHEET NUMBER: EP108

BID PACKAGE 5

5/12/2023 1:37:12 PM

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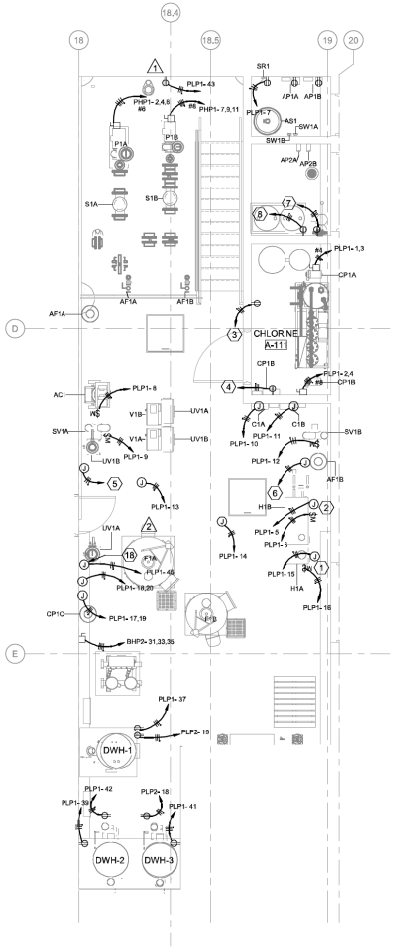
Item 24.

GENERAL NOTES

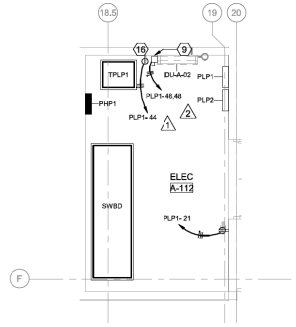
A. ALL POOL EQUIPMENT SHALL BE VERIFIED AND COORDINATED WITH POOL CONTRACTOR.
B. PROVIDE A FLEXIBLE CONDUIT CONNECTION AT ALL PUMP MOTORS WITH A MINIMUM 18".
C. ALL WIRING AND ELECTRICAL DEVICES IN POOL EQUIPMENT ROOM AND PUMP ROOM SHALL BE HAZARDOUS RATED FOR CORROSIVE ENVIRONMENT.

SHEET KEYNOTES

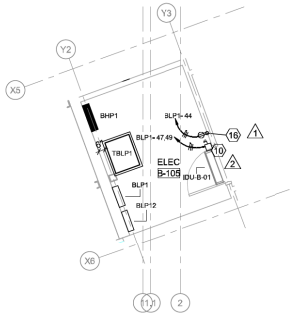
1. LOCATE POOL HEATER CIRCULATION PUMP DISCONNECT SWITCH NEAR POOL HEATER. LABEL SWITCH AS "POOL HEATER CIRCULATION PUMP H1A" AND PROVIDE LABEL BENEATH SWITCH AND LABEL "TURN OFF HEATER 5 MINUTES PRIOR TO TURNINGOFF THE HEATER CIRCULATION PUMP."
2. LOCATE POOL HEATER CIRCULATION PUMP DISCONNECT SWITCH NEAR POOL HEATER. LABEL SWITCH AS "POOL HEATER CIRCULATION PUMP H1B" AND PROVIDE LABEL BENEATH SWITCH AND LABEL "TURN OFF HEATER 5 MINUTES PRIOR TO TURNINGOFF THE HEATER CIRCULATION PUMP."
3. DUPLEX RECEPTACLE SHALL BE HARDWIRED DIRECTLY TO THE "CHLORINE FEED RELAY" ON CHEMICAL CONTROLLER C1A TERMINAL BLOCK. DUPLEX RECEPTACLE SHALL POWER CP1A.
4. DUPLEX RECEPTACLE SHALL BE HARDWIRED DIRECTLY TO THE "CHLORINE FEED RELAY" ON CHEMICAL CONTROLLER C1B TERMINAL BLOCK. DUPLEX RECEPTACLE SHALL POWER CP1B.
5. DUPLEX RECEPTACLE SHALL BE HARDWIRED DIRECTLY TO THE "pH CONTROL SWITCH SW1A" AND SHALL POWER "pH (CO2) FEEDER AF1A".
6. DUPLEX RECEPTACLE SHALL BE HARDWIRED DIRECTLY TO THE "pH CONTROL SWITCH SW1B" AND SHALL POWER "pH (CO2) FEEDER AF1B".
7. DUPLEX RECEPTACLE SHALL BE HARDWIRED DIRECTLY TO THE "pH CONTROL SWITCH SW1A" AND SHALL POWER "pH (ACID) FEEDER PUMP AP2A".
8. DUPLEX RECEPTACLE SHALL BE HARDWIRED DIRECTLY TO THE "pH CONTROL SWITCH SW1B" AND SHALL POWER "pH (ACID) FEEDER PUMP AP2B".
9. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-A-02. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
10. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-B-01. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
11. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-C02. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
12. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-C04. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
13. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-D-02. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
14. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-E-01. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
15. ANTHENA PROCESS PANEL.
16. RECEPTACLE TO POWER CONDENSATE PUMPS. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER.
17. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-C-05. IDU-C-05 COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
18. JBOX TO POWER HEAT TRACE PANEL. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER.
19. L6-30R FOR COMMUNICATIONS RACK. COORDINATE EXACT LOCATION WITH RACK INSTALLER.
20. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-C-01 A/B . COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
21. 240V, 100A, 2 POLE,NEMA 4X, NF DISCONNECT TO POWER SAUNA. PROVIDE POWER PER MANUFACTURER INSTRUCTIONS.PROVIDE ALL NECESSARY MATERIALS TO ENSURE FUNCTIONALITY. COORDINATE WITH SAUNA INSTALLER FOR EXACT POWER REQUIREMENTS.
22. JUNCTION BOX TO POWER SAUNA IR EMMITERS. WIRE PER MANUFACTURERS INSTRUCTIONS. COORDINATE JUNCTION QUANTITIES WITH SAUNA INSTALLER.
23. MOUNT TRANSFORMER TBLP3A ON RACK ABOVE TRANSFORMER TBLP3.



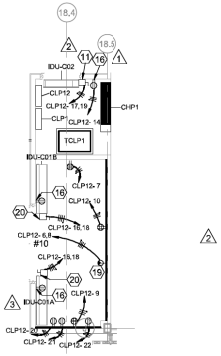
1 ENLARGED POOL EQUIPMENT ROOMS
SCALE: 1/4" = 1'-0"



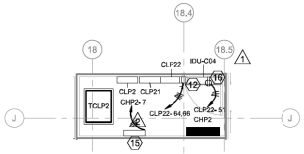
2 ENLARGED ELECTRICAL ROOM A-112
SCALE: 1/4" = 1'-0"



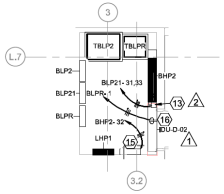
3 ENLARGED ELECTRICAL ROOM B-105
SCALE: 1/4" = 1'-0"



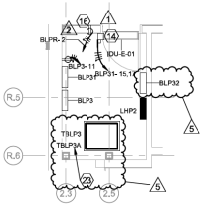
4 ENLARGED ELECTRICAL ROOM C-117 & IT C-114
SCALE: 1/4" = 1'-0"



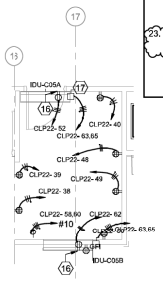
5 ENLARGED ELECTRICAL ROOM C-247
SCALE: 1/4" = 1'-0"



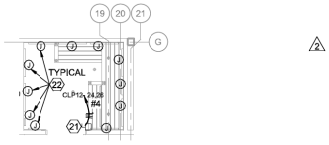
6 ENLARGED ELECTRICAL ROOM D-106
SCALE: 1/4" = 1'-0"



7 ENLARGED ELECTRICAL ROOM E-105
SCALE: 1/4" = 1'-0"



8 ENLARGED STORAGE C-245
SCALE: 1/4" = 1'-0"



9 ENLARGED SAUNA - C236
SCALE: 1/4" = 1'-0"

0 2' 4' 8'
1/4" = 1'-0"

N

PROJECT KEYPLAN

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5801 Broadway Extension, Suite 500
Oklahoma City, OK 73118-7436
405.840.2931 | fsb-ae.com
BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI WATER TECHNOLOGY, INC
LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20655 OKLAHOMA
11/15/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

#	DESCRIPTION	DATE
5	PR-45R2	05/12/2022
4	PR-021	05/02/2022
3	PR-09	09/24/2022
2	ADDENDUM 06	01/13/2022
1	ADDENDUM 04	11/12/2021

PROJECT INFORMATION:
DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: ENLARGED POWER PLANS
ISSUE DATE: 10/27/2021
SHEET NUMBER: EP401

BID PACKAGE 5

5/12/2023 1:42:18 PM BIM 360:/City of Norman - Young Family Athletics Center/R9000_Electrical

Item 24.

FEEDER SCHEDULE

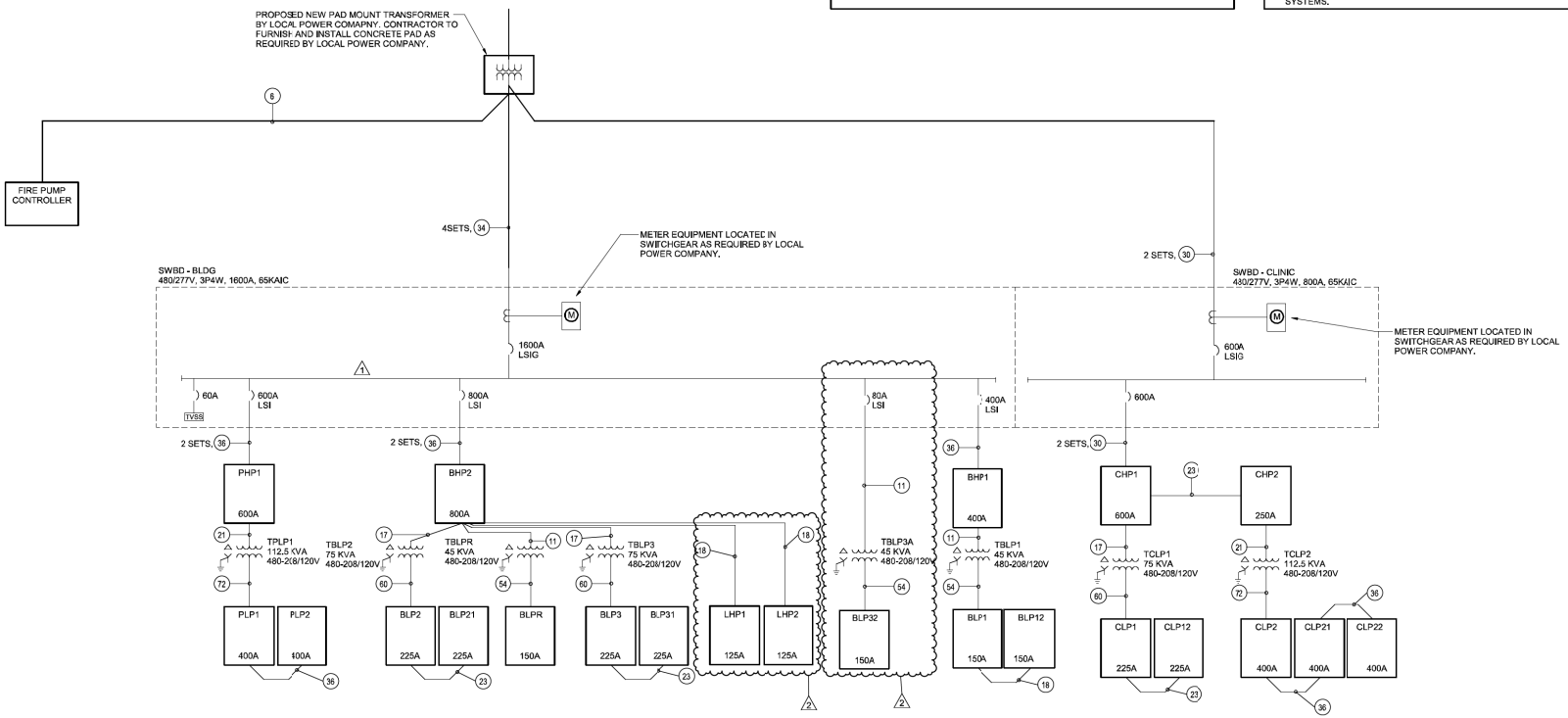
NO	WIRE AND CONDUIT	AMPS	NO	WIRE AND CONDUIT	AMPS
1	3-#12 & 1-#12 EG, 3/4"C	20	2	4-#12 & 1-#12 EG, 3/4"C	20
3	3-#10 & 1-#10 EG, 3/4"C	30	4	4-#10 & 1-#10 EG, 3/4"C	30
5	3-#8 & 1-#10 EG, 1"C	40	6	4-#8 & 1-#10 EG, 1"C	40
7	3-#6 & 1-#10 EG, 1"C	55	8	4-#6 & 1-#10 EG, 1"C	55
9	3-#4 & 1-#8 EG, 1 1/4"C	70	10	4-#4 & 1-#8 EG, 1 1/4"C	70
11	3-#3 & 1-#8 EG, 1 1/4"C	85	12	4-#3 & 1-#8 EG, 1 1/4"C	85
13	3-#2 & 1-#8 EG, 1 1/4"C	95	14	4-#2 & 1-#8 EG, 1 1/4"C	95
15	3-#1 & 1-#6 EG, 1 1/2"C	110	16	4-#1 & 1-#6 EG, 1 1/2"C	110
17	3-#1/0 & 1-#6 EG, 1 1/2"C	150	18	4-#1/0 & 1-#6 EG, 1 1/2"C	150
19	3-#2/0 & 1-#6 EG, 2"C	175	20	4-#2/0 & 1-#6 EG, 2"C	175
21	3-#3/0 & 1-#6 EG, 2"C	200	22	4-#3/0 & 1-#6 EG, 2"C	200
23	3-#4/0 & 1-#4 EG, 2"C	230	24	4-#4/0 & 1-#4 EG, 2 1/2"C	230
25	3-#250kcmil & 1-#4 EG, 2 1/2"C	255	26	4-#250kcmil & 1-#4 EG, 2 1/2"C	255
27	3-#300kcmil & 1-#4 EG, 2 1/2"C	285	28	4-#300kcmil & 1-#4 EG, 3"C	285
29	3-#350kcmil & 1-#3 EG, 2 1/2"C	310	30	4-#350kcmil & 1-#3 EG, 3"C	310
31	3-#400kcmil & 1-#3 EG, 2 1/2"C	335	32	4-#400kcmil & 1-#3 EG, 3"C	335
33	3-#500kcmil & 1-#3 EG, 3"C	380	34	4-#500kcmil & 1-#3 EG, 3 1/2"C	380
35	3-#600kcmil & 1-#3 EG, 3 1/2"C	420	36	4-#600kcmil & 1-#3 EG, 4"C	420

SCHEDULE NOTES :
1. RESIZE GROUND CONDUCTOR FOR PARALLEL FEEDERS AS REQUIRED PER TABLE 250-122 OF THE NEC. INCREASE SIZE OF CONDUIT AS REQUIRED FOR ADDITIONAL GROUNDING.
2. ALL AMPACITIES INDICATED ARE COPPER BASED ON TEMPERATURE RATING OF 60°C INSULATION ON CONDUCTORS #1 AND SMALLER AND 75°C INSULATION ON CONDUCTORS #1/0 AND LARGER.

SEPARATELY DERIVED SERVICE FEEDER SCHEDULE

NO	WIRE AND CONDUIT	AMPS	NO	WIRE AND CONDUIT	AMPS
37	3-#12 & 1-#8 EG, 3/4"C	20	38	4-#12 & 1-#8 EG, 3/4"C	20
39	3-#10 & 1-#8 EG, 3/4"C	30	40	4-#10 & 1-#8 EG, 3/4"C	30
41	3-#8 & 1-#8 EG, 1"C	40	42	4-#8 & 1-#8 EG, 1"C	40
43	3-#6 & 1-#8 EG, 1"C	55	44	4-#6 & 1-#8 EG, 1"C	55
45	3-#4 & 1-#8 EG, 1 1/4"C	70	46	4-#4 & 1-#8 EG, 1 1/4"C	70
47	3-#3 & 1-#8 EG, 1 1/4"C	85	48	4-#3 & 1-#8 EG, 1 1/4"C	85
49	3-#2 & 1-#8 EG, 1 1/4"C	95	50	4-#2 & 1-#8 EG, 1 1/4"C	95
51	3-#1 & 1-#6 EG, 1 1/2"C	110	52	4-#1 & 1-#6 EG, 1 1/2"C	110
53	3-#1/0 & 1-#6 EG, 1 1/2"C	150	54	4-#1/0 & 1-#6 EG, 1 1/2"C	150
55	3-#2/0 & 1-#4 EG, 2"C	175	56	4-#2/0 & 1-#4 EG, 2"C	175
57	3-#3/0 & 1-#2 EG, 2"C	200	58	4-#3/0 & 1-#4 EG, 2"C	200
59	3-#4/0 & 1-#2 EG, 2"C	230	60	4-#4/0 & 1-#2 EG, 2 1/2"C	230
61	3-#250kcmil & 1-#2 EG, 2 1/2"C	255	62	4-#250kcmil & 1-#2 EG, 2 1/2"C	255
63	3-#300kcmil & 1-#2 EG, 2 1/2"C	285	64	4-#300kcmil & 1-#2 EG, 3"C	285
65	3-#350kcmil & 1-#2 EG, 2 1/2"C	310	66	4-#350kcmil & 1-#2 EG, 3"C	310
67	3-#400kcmil & 1-#1/0 EG, 2 1/2"C	335	68	4-#400kcmil & 1-#1/0 EG, 3"C	335
69	3-#500kcmil & 1-#1/0 EG, 3"C	380	70	4-#500kcmil & 1-#1/0 EG, 3 1/2"C	380
71	3-#600kcmil & 1-#1/0 EG, 3 1/2"C	420	72	4-#600kcmil & 1-#1/0 EG, 4"C	420

SCHEDULE NOTES :
1. RESIZE GROUND CONDUCTOR FOR PARALLEL SERVICE FEEDERS AS REQUIRED PER TABLE 250.66 OF THE NEC. INCREASE SIZE OF CONDUIT AS REQUIRED FOR ADDITIONAL GROUNDING.
2. ALL AMPACITIES INDICATED ARE COPPER BASED ON TEMPERATURE RATING OF 60°C INSULATION ON CONDUCTORS #1 AND SMALLER AND 75°C INSULATION ON CONDUCTORS #1/0 AND LARGER.
3. THIS TABLE APPLIES TO THE DERIVED CONDUCTORS OF SEPARATELY DERIVED SYSTEMS.



1 ONE LINE DIAGRAM
SCALE: NTS

5/12/2023 1:42:21 PM
BIM 360:/City of Norman - Young Family Athletics Center/R9050_Electrical

332

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Oklahoma City, OK 73118-7436
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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA
11/15/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

2	PR-4SR2	05/15/2022
1	ASI-013	08/11/2022
△	DESCRIPTION	DATE

PROJECT INFORMATION:
DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: ELECTRICAL POWER ONE-LINE DIAGRAM
ISSUE DATE: 10/27/2021
SHEET NUMBER: EP601

BID PACKAGE 5

Item 24.

Switchboard: SWBD

Location: ELEC A-112 **Volts:** 480/277 WYE **A.I.C. Rating:** 65000
Supply from: **Phases:** 3 **Mains Type:** MAIN BREAKER
Mounting: PAD **Wires:** 4 **Mains Rating:** 1600 A
Enclosure: NEMA 1 **MCB Rating:** 1600 A

Notes:
PROVIDE 100% RATED BREAKER 2

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	PHP1	3	800 A	600 A	176126 VA	
2	DHU-A-01	3	250 A	200 A	161541 VA	
3	DHU-A-02	3	225 A	90 A	46785 VA	
4	DOAS-C01	3	250 A	125 A	90332 VA	2
5	BHP2 *100% RATED BREAKER	3	800 A	800 A	672098 VA	
6	BHP1 *100% RATED BREAKER	3	400 A	400 A	365719 VA	6
7	TRANSFORMER TBLP6A	3	100 A	80 A	37125 VA	1
8						
9						
10						
11						9
12						

Total Conn. Load: 1481421 VA
Total Amps: 1782 A

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HEATING	19000 VA	100,00%	19000 VA		
LIGHTING	65704 VA	100,00%	65704 VA	Total Conn. Load:	1481421 VA
Other	1347 VA	100,00%	1347 VA	Total Est. Demand:	1155323 VA
POWER	5195 VA	100,00%	5195 VA	Total Conn.:	1782 A
Spare	2400 VA	100,00%	2400 VA	Total Est. Demand:	1380 A
RECEPTACLE	164180 VA	53,05%	87090 VA		
MECHANICAL	1387995 VA	79,79%	868147 VA		2
VIDEO DISPLAY	14400 VA	100,00%	14400 VA		
OPERABLE PARTITION	3600 VA	100,00%	3600 VA		
BASKETBALL GOAL	18360 VA	100,00%	18360 VA		
IRRIGATION PANEL	600 VA	100,00%	600 VA		
CONTROL PANEL	1200 VA	100,00%	1200 VA		
MECH SHADES	240 VA	100,00%	240 VA		
VAV	97200 VA	70,00%	68040 VA		

Notes:

Branch Panel: CHP1

Location: ELEC / FP C-116 **Volts:** 480/277 WYE **A.I.C. Rating:** 65000
Supply from: **Phases:** 3 **Mains Type:** MAIN BREAKER
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 600 A
Enclosure: NEMA 1 **MCB Rating:** 600 A

Notes:
PROVIDE 100% RATED BREAKER 2

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	TCLP1	125 A	3	22113 VA 32666 VA			3	150 A	FTU-C02	2
3	--	--	--		14725 VA 32666 VA		--	--	--	4
5	--	--	--			20085 VA 32666 VA	--	--	--	6
7	LIGHTS STORAGE C119, GYM C107	20 A	1	2523 VA 78091 VA			3	400 A	CHP2	8
9	LIGHTS- 101,103,105,111-411	20 A	1		2738 VA 74492 VA		--	--	--	10
11	LIGHTS EAST GYM 107, WATING 100	20 A	1			2156 VA 73155 VA	--	--	--	12
13	CLASS ROOM C250	20 A	1	1771 VA 2642 VA			1	20 A	MP LOUNGE 251,C248	14
15	LIGHTS -	20 A	1		1561 VA 3121 VA		1	20 A	LIGHTS- C200-C205,C209,C211,C218-C220	16
17	LIGHTS-C 229,233,240-241,213,245-247,249	20 A	1			2360 VA 2099 VA	1	20 A	LITS C-210-(-7),C-207,C-222-28), C232,C234(4,5)	18
19	LIGHTS -C....	20 A	1	1561 VA 627 VA			1	20 A	LIGHTS -CORRIDOR - C248	20
21	RTU-C01	90 A	3		16060 VA 16667 VA		3	80 A	XRAY C-213	22
23	--	--	--			16060 VA 16667 VA	--	--	--	24
25	--	--	--	16060 VA 16667 VA			--	--	--	26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
		Total Load:		176802 VA	163999 VA	167248 VA				
		Total...		640 A	592 A	606 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	5272 VA	100,00%	5272 VA		
POWER	5300 VA	100,00%	5300 VA	Total Conn. Load:	508049 VA
LIGHTING	17958 VA	100,00%	17958 VA	Total Est. Demand:	436888 VA
RECEPTACLE	81420 VA	56,14%	45710 VA	Total Conn.:	611 A
MECHANICAL	201794 VA	100,00%	201794 VA	Total Est. Demand:	525 A
OVERHEAD COILING DOOR	1664 VA	100,00%	1664 VA		
SAUNA	11000 VA	100,00%	11000 VA		
CONTROL PANEL	1200 VA	100,00%	1200 VA		
VAV	118171 VA	70,00%	82720 VA		

Notes:

Branch Panel: CHP2

Location: ELEC, C-247 **Volts:** 480/277 WYE **A.I.C. Rating:** 65000
Supply From: CHP1 **Phases:** 3 **Mains Type:** MAIN BREAKER
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 400 A
Enclosure: NEMA 1 **MCB Rating:** 250 A

Notes:
PROVIDE 100% RATED BREAKER 2

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	TCLP2	200 A	3	51401 VA 4157 VA			3	20 A	ELEVATOR	2
3	--	--	--		49001 VA 4157 VA		--	--	--	4
5	--	--	--			47665 VA 4157 VA	--	--	--	6
7	CONTROL PANEL ELEC, C-247	20 A	1	1290 VA 2400 VA			3	15 A	VAV-C01-01	8
9					2400 VA		--	--	--	10
11						2400 VA	--	--	--	12
13	VAV-C01-05	15 A	3	2123 VA 2767 VA			3	15 A	VAV-C01-06	14
15	--	--	--		2133 VA 2767 VA		--	--	--	16
17	--	--	--			2133 VA 2767 VA	--	--	--	18
19	VAV-C01-02	15 A	3	1813 VA 1833 VA			3	15 A	VAV-C01-03	20
21	--	--	--		1833 VA 1833 VA		--	--	--	22
23	--	--	--			1833 VA 1833 VA	--	--	--	24
25	VAV-C02-13	15 A	3	2123 VA 2400 VA			3	15 A	VAV-C02-11	26
27	--	--	--		2133 VA 2400 VA		--	--	--	28
29	--	--	--			2133 VA 2400 VA	--	--	--	30
31	VAV-C02-10	20 A	3	2123 VA 3700 VA			3	20 A	VAV-C01-08	32
33	--	--	--		2133 VA 3700 VA		--	--	--	34
35	--	--	--			2133 VA 3700 VA	--	--	--	36
37										38
39										40
41										42
		Total Load:		78091 VA	74492 VA	73155 VA				
		Total...		283 A	270 A	264 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	5300VA	100,00%	5300 VA		
LIGHTING	100 VA	100,00%	100 VA	Total Conn. Load:	225736 VA
RECEPTACLE	56100 VA	58,91%	33050 VA	Total Est. Demand:	159894 VA
MECHANICAL	40656 VA	100,00%	40656 VA	Total Conn.:	272 A
CONTROL PANEL	1200VA	100,00%	1200 VA	Total Est. Demand:	204 A
VAV	109311 VA	70,00%	76518 VA		

Notes:

Branch Panel: BHP1

Location: ELEC B-105 **Volts:** 480/277 WYE **A.I.C. Rating:** 42000
Supply from: SWBD **Phases:** 3 **Mains Type:** MAIN BREAKER
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 400 A
Enclosure: NEMA 1 **MCB Rating:** 400 A

Notes: 2
PROVIDE 100% RATED MAIN BREAKER

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RTU-03	90 A	3	18856 VA 18856 VA			3	90 A	RTU-04	2
3	--	--	--		18856 VA 18856 VA		--	--	--	4
5	--	--	--			18856 VA 18856 VA	--	--	--	6
7	RTU-01	100 A	3	20715 VA 1933 VA			3	15 A	VAV-01-16	8
9	--	--	--		20715 VA 1933 VA		--	--	--	10
11	--	--	--			20715 VA 1933 VA	--	--	--	12
13	VAV-01-03	15 A	3	1833 VA 4500 VA			3	25 A	VAV-01-01	14
15	--	--	--		1833 VA 4500 VA		--	--	--	16
17	--	--	--			1833 VA 4500 VA	--	--	--	18
19	EWH-1	30 A	1	1000 VA 19703 VA			3	80 A	TBLP1	20
21	DOAS -01 - SEC B ROOF	80 A	3		13088 VA 23739 VA		--	--	--	22
23	--	--	--			13088 VA 21929 VA	--	--	--	24
25	--	--	--	13088 VA						26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
		Total Load:		100486 VA	103522 VA	101712 VA				
		Total...		363 A	374 A	368 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Spare	1200 VA	100,00%	1200 VA		
RECEPTACLE	41840 VA	61,95%	25920 VA	Total Conn. Load:	305719 VA
MECHANICAL	221179 VA	100,00%	221179 VA	Total Est. Demand:	279009 VA
VIDEO DISPLAY	1200 VA	100,00%	1200 VA	Total Conn.:	368 A
VAV	39300 VA	70,00%	27510 VA	Total Est. Demand:	334 A

Notes:

Branch Panel: BHP2

Location: ELEC D-106 **Volts:** 480/277 WYE **A.I.C. Rating:** 35000
Supply From: SWBD **Phases:** 3 **Mains Type:** MAIN BREAKER
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 800 A
Enclosure: NEMA 1 **MCB Rating:** 800 A

Notes: 2
PROVIDE 100% RATED BREAKER

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	TBLP2	60 A	3	25976 VA 18856 VA			3	90 A	RTU-10	2
3	--	--	--		18650 VA 18856 VA		--	--	--	4
5	--	--	--			19717 VA 18856 VA	--	--	--	6
7	RTU-05	90 A	3	18856 VA 18856 VA			3	90 A	RTU-07	8
9	--	--	--		18856 VA 18856 VA		--	--	--	10
11	--	--	--			18856 VA 18856 VA	--	--	--	12
13	RTU-08	90 A	3	18856 VA 28683 VA			3	125 A	RTU-02	14
15	--	--	--		18856 VA 28683 VA		--	--	--	16
17	--	--	--			18856 VA 28683 VA	--	--	--	18
19	LHP1	125 A	3	13650 VA 9558 VA			3	125 A	UHP2	20
21	--	--	--		12037 VA 7125 VA		--	--	--	22
23	--	--	--			12871 VA 6167 VA	--	--	--	24
25	TBLP3	60 A	3	21113 VA 6000 VA			3	30 A	EWH-2 E-106	26
27	--	--	--		17936 VA 6000 VA		--	--	--	28
29	--	--	--			19623 VA 6000 VA	--	--	--	30
31	BP-1	20 A	3	3048 VA 1200 VA			1	20 A	LIGHTING CONTROL PANEL	32
33	--	--			3048 VA					34
35	--	--				3048 VA				36
37	VAV-02-09	15 A	3	1500 VA 3000 VA			3	25 A	VAV-02-07	38
39	--	--			1500 VA 3000 VA		--	--	--	40
41	--	--				1500 VA 3000 VA	--	--	--	42
43	VAV-02-06	15 A	3	1567 VA 2667 VA			3	25 A	VAV-02-05	44
45	--	--			1567 VA 2667 VA		--	--	--	46
47	--	--				1567 VA 2667 VA	--	--	--	48
49	VAV-02-01	25 A	3	2667 VA 0 VA			3	80 A	BLPR	50
51	--	--			2667 VA 0 VA		--	--	--	52
53	--	--				2667 VA 0 VA	--	--	--	54
55	RTU-06	90 A	3	18856 VA 18856 VA			3	90 A	RTU-09 *	56
57	--	--			18856 VA 18856 VA		--	--	--	58
59	--	--				18856 VA 18856 VA	--	--	--	60
		Total Load:		233395 VA	218057 VA	220647 VA				
		Total...		844 A	787 A	798 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	1347 VA	100,00%	1347 VA		
POWER	120 VA	100,00%	120 VA	Total Conn. Load:	672098 VA
Spare	1200 VA	100,00%	1200 VA	Total Est. Demand:	531268 VA
LIGHTING	60060 VA	100,00%	60060 VA	Total Conn.:	808 A
RECEPTACLE	66220 VA	57,55%	38110 VA	Total Est. Demand:	759 A
MECHANICAL	448551 VA	100,00%	448551 VA		
VIDEO DISPLAY	10800 VA	100,00%	10800 VA		
OPERABLE PARTITION	3600 VA	100,00%	3600 VA		
BASKETBALL GOAL	18360 VA	100,00%	18360 VA		
CONTROL PANEL	1200 VA	100,00%	1200 VA		
MECH SHADES	240 VA	100,00%	240 VA		
VAV	42400 VA	70,00%	29680 VA		

Notes:

Branch Panel: PHP1

Location: ELEC A-112 **Volts:** 480/277 WYE **A.I.C. Rating:** 65000
Supply From: SWBD **Phases:** 3 **Mains Type:** MLO
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 600 A
Enclosure: NEMA 1

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	TPLP1	200 A	3	41794 VA 9030 VA			3	50 A	P1A	2
3	--	--	--		34379 VA 9030 VA		--	--	--	4
5	--	--	--			29241 VA 9030 VA	--	--	--	6
7	P1B	40 A	3	7171 VA 6289 VA			3	40 A	MAU-01	8
9	--	--	--		7171 VA 6289 VA		--	--	--	10
11	--	--	--			7171 VA 6289 VA	--	--	--	12
13				5333 VA			1	20 A	VOLLEY BALL LIGHTING	14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
		Total Load:		69927 VA	56868 VA	51731 VA				
		Total...		254 A	208 A	187 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	5075VA	100,00%	5075 VA		
LIGHTING	5644 VA	100,00%	5644 VA	Total Conn. Load:	178126 VA
RECEPTACLE	19000 VA	76,32%	14500 VA	Total Est. Demand:	168976 VA
MECHANICAL	129907 VA	100,00%	129907 VA	Total Conn.:	214 A
VIDEO DISPLAY	2400VA	100,00%	2400 VA	Total Est. Demand:	203 A
IRRIGATION PANEL	600 JA	100,00%	600 VA		
VAV	15500 VA	70,00%	10850 VA		

Notes:

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BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI WATER TECHNOLOGY INC
LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA 10/27/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

HIVISION HISTORY:

9	PR-15R2	05/12/2022
8	PR-231	09/09/2022
7	PR-024	08/01/2022
6	ASI-013	06/11/2022
5	PR-021	08/02/2022
4	PR-015	07/20/2022
3	PR-05	06/24/2022
2	PR-11	05/31/2022
1	ADDENDUM 06	01/13/2022

△	DESCRIPTION	DATE

PROJECT INFORMATION:
DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: PANEL SCHEDULES
ISSUE DATE: 10/27/2021
SHEET NUMBER: EP701

BID PACKAGE 5

5/12/2023 1:42:21 PM
BIM 360://City of Norman - Young Family Athletics Center/R9000_Electrical

Item 24.

Branch Panel: LHP1

Location: ELEC D-106
Supply from: BHP2
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 480/277 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 35000
Mains Type: MAIN BREAKER
Mains Rating: 125 A
MCB Rating: 125 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	LIGHTS NW COMPETITION POOL NE	20 A	1	1630 VA 1830 VA			1	20 A	LIGHTS COMPETITION POOL NE	2
3	LIGHTS COMPETITION POOL	20 A	1		1220 VA 1830 VA		1	20 A	LIGHTS COMPETITION	4
5	LIGHTS COMPETITION	20 A	1			1830 VA 1830 VA	1	20 A	LIGHTS COMPETITION	6
7	LIGHTS COMPETITION POOL	20 A	1	1630 VA 1220 VA			1	20 A	LIGHTS COMPETITION	8
9	LIGHTS WARM UP POOL- A105	20 A	1		1380 VA 1380 VA		1	20 A	LIGHTS WARM UP POOL - A105	10
11	LIGHTS RM A- A106-A112	20 A	1			1248 VA 1871 VA	1	20 A	LIGHTS-103,105,(106-116)	12
13	LIGHTS - (100-102),104,(106-08)	20 A	1	2692 VA 2149 VA			1	20 A	LIGHTS- E100-,E110,E115	14
15	LIGHTS E-111, G-130, H-100,E-113, E-112,...	20 A	1		2085 VA 1862 VA		1	20 A	LIGHTS - WEST LOCKERS,TOIL & SHOWERS/	16
17	LIGHTS- EAST LOCKERS, SHOWERS & CORR	20 A	1			1880 VA 1547 VA	1	20 A	LIGHTING	18
19	LIGHTING	20 A	1	2000 VA 98 VA			1	20 A	POOL EXTERIOR LIGHTS	20
21	SOUTH EXTERIOR LIGHTS	20 A	1		280 VA 2000 VA		1	20 A	VOLLEY BALL LIGHTING	22
23	VOLLEY BALL LIGHTING	20 A	1			2667 VA				24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
	Total Load:			13650 VA	12037 VA	12871 VA				
	Total...			50 A	43 A	47 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	1347 VA	100.00%	1347 VA		
LIGHTING	37210 VA	100.00%	37210 VA	Total Conn. Load:	38557 VA
				Total Est. Demand:	38557 VA
				Total Conn.:	46 A
				Total Est. Demand:	46 A

Notes:

Branch Panel: LHP2

Location: ELEC E-105
Supply from: BHP2
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 480/277 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 14000
Mains Type: MAIN BREAKER
Mains Rating: 125 A
MCB Rating: 125 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	LIGHTS- BAY 4 BASKET BALL	20 A	1	2389 VA 2389 VA			1	20 A	LIGHTS- BAY 4 BASKET BALL	2
3	LIGHTS- BAY 3 BASKET BALL	20 A	1		2389 VA 2389 VA		1	20 A	LIGHTS- BAY 3 BASKET BALL	4
5	LIGHTS- BAY 2 BASKET BALL	20 A	1			2389 VA 2389 VA	1	20 A	LIGHTS- BAY 2 BASKET BALL	6
7	LIGHTS- BAY 1 BASKET BALL	20 A	1	2389 VA 2389 VA			1	20 A	LIGHTS- BAY 1 BASKET BALL	8
9	LIGHTS- COMM 102,103,CW STORAGE 101	20 A	1		452 VA 1547 VA		1	20 A	PARKING LOT LIGHTING	10
11	PARKING LOT LIGHTING	20 A	1			1289 VA				12
13										14
15	BASKET BALL EXTERIOR LIGHTING	20 A	1		199 VA 149 VA		1	20 A	EXTERIOR EAST LIGHTS	16
17	EXTERIOR LIGHTS EAST	20 A	1			99 VA				18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
	Total Load:			9558 VA	7125 VA	6167 VA				
	Total...			35 A	26 A	22 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	22850 VA	100.00%	22850 VA		
				Total Conn. Load:	22850 VA
				Total Est. Demand:	22850 VA
				Total Conn.:	27 A
				Total Est. Demand:	27 A

Notes:

Branch Panel: PLP1

Location: ELEC A-112
Supply From: TPLP1
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 14000
Mains Type: MAIN BREAKER
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	CP1A	60 A	2	4714 VA 3120 VA			2	40 A	CP1B	2
3	--	--	--				--	--	--	4
5	H1B POOL HEATER CONTROL PANEL	20 A	1		4784 VA 3120 VA		1	20 A	H1B POOL HEATER CIRCULATING PUMP	6
7	SR1	20 A	1	1890 VA 1632 VA			1	20 A	AC1	8
9	SV1A	20 A	1		500 VA 1800 VA		1	20 A	C1B	10
11	C1A	20 A	1			1800 VA 500 VA	1	20 A	SV1B	12
13	F1A	20 A	1	1890 VA 1800 VA			1	20 A	F1B	14
15	H1A POOL HEATER CONTROL PANEL	20 A	1		960 VA 1080 VA		1	20 A	H1A POOL HEATER CIRCULATING PUMP	16
17	UV1A	30 A	2			2496 VA 2496 VA	2	30 A	UV1B	18
19	--	--	--	2496 VA 2496 VA			--	--	--	20
21	RECEPTACLE ELEC A-112	20 A	1		180 VA 1082 VA		2	20 A	ODU-A-02	22
23	RECEPTACLE	20 A	1			540 VA 1082 VA	--	--	--	24
25	EF-02	15 A	1	696 VA 696 VA			1	15 A	EF-03	26
27	EF-04	20 A	2		936 VA 718 VA		2	20 A	MECHANICAL	28
29	--	--	--			936 VA 718 VA	--	--	--	30
31	ODU-A-01	15 A	2	1080 VA 180 VA			1	20 A	RECEPTACLE	32
33	--	--	--		1040 VA 180 VA		1	20 A	RECEPTACLE	34
35	POWER	20 A	1			600 VA 2318 VA	3	20 A	MECHANICAL	36
37	DWH-1 RECEPT	20 A	1	180 VA 2318 VA			--	--	--	38
39	DWH-2 RECEPT	20 A	1		180 VA 2318 VA		--	--	--	40
41	DWH-3	20 A	1			180 VA 180 VA	1	20 A	RECEPTACLE POOL MECH A-108	42
43	SUMP PUMP-POOL MECH A-108	20 A	1	60 VA 180 VA			1	20 A	CONDENSATE PUMP- A-112	44
45	HEAT TRACE VECH A-108	20 A	1		575 VA 60 VA		2	20 A	UDU-A-A02 ELEC A-112	46
47	VAV-01-15	20 A	3			1333 VA 60 VA	--	--	--	48
49	--	--	--	1333 VA 1350 VA			2	20 A	VAV-01-14	50
51	--	--	--		1333 VA 1350 VA		--	--	--	52
53	VAV-01-13	20 A	2			1350 VA 1267 VA	3	15 A	VAV-01-12	54
55	--	--	--	1350 VA 1267 VA			--	--	--	56
57					1267 VA		--	--	--	58
59										60
	Total Load:			41704 VA	34379 VA	29241 VA				
	Total...			354 A	293 A	244 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	5075VA	100.00%	5075 VA		
LIGHTING	311 VA	100.00%	311 VA	Total Conn. Load:	105325 VA
RECEPTACLE	19000 VA	76.92%	14600 VA	Total Est. Demand:	86175 VA
MECHANICAL	62435 VA	100.00%	62439 VA	Total Conn.:	292 A
VIDEO DISPLAY	2400VA	100.00%	2400 VA	Total Est. Demand:	267 A
IRRIGATION PANEL	600 VA	100.00%	600 VA		
VAV	15500 VA	70.00%	10850 VA		

Notes:

Branch Panel: PLP2

Location: ELEC A-112
Supply from: PLP1
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 14000
Mains Type: MLO
Mains Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RECEPTACLE Room A-106, A-107	20 A	1	900 VA 1080 VA			1	20 A	RECEPTACLE POOL DECK A-104	2
3	RECEPTACLE BLEACHER SEATING A-102	20 A	1		1080 VA 1200 VA		2	20 A	VIDEO DISPLAY	4
5	VIDEO DISPLAY	20 A	1			1200 VA 180 VA	1	20 A	WATER FOUNTAIN	6
7	RECEPTACLE Room A-104	20 A	1	720 VA 1440 VA			1	20 A	RCEP GRD RM C-121, C-120 & C-122	8
9	RECEPTACLE GUARD ROOM C-121	20 A	1		180 VA 180 VA		1	20 A	RECEPTACLE GUARD ROOM C-121	10
11	RECEPTACLE GUARD ROOM C-121	20 A	1			180 VA 180 VA	1	20 A	RECEPTACLE GUARD ROOM C-121	12
13	RECEPTACLE AQUATICS OFFICE C-123	20 A	1	540 VA 1800 VA			1	20 A	RCEP RM C-124, C-128, C-125, C-129	14
15	RECEP RM C-135, C-133, C-132, C-131, C-127	20 A	1		1260 VA 1620 VA		1	20 A	RECEPTACLE Room C-135, C-141, C-142,...	16
17	RECEPTACLE CORR. S-104	20 A	1			1080 VA 180 VA	1	20 A	RECEPTACLE POOL MECH A-108	18
19	RECEPTACLE POOL MECH A-108	20 A	1	180 VA 180 VA			1	20 A	RECEPTACLE	20
21	STRIP LTS LOKERS 138,136,2132,C128,C124	20 A	1		311 VA 1500 VA		1	20 A	SUITMATE - WS LOCKERS C-124	22
23	SUITMATE - MS LOCKERS-1C-138-1	20 A	1			1500 VA 1500 VA	1	20 A	SUITMATE - FAMILY CHANGING C-138	24
25	DOOR POWER - C143	20 A	1	180 VA 640 VA			1	20 A	BUZZERS & ACCESS CTRL A-106a	26
27	CONDENSATE PUMP- A-107	20 A	1		600 VA 60 VA		2	20 A	EDU-A-01- FIRE PUMP ROOM A-107	28
29	VAV-01-17	15 A	3			1100 VA 60 VA	--	--	--	30
31	--	--	--	1100 VA 733 VA			3	15 A	VAV-01-11	32
33	--	--	--		1100 VA 733 VA		--	--	--	34
35	VAV-01-10	15 A	3			733 VA 733 VA	--	--	--	36
37	--	--	--	733 VA 360 VA			1	20 A	RECEPTACLE POOL DECK A-100 - *GFCI	38
39	--	--	--		733 VA 360 VA		1	20 A	RECEPTACLE POOL DECK A-100 - *GFCI	40
41	RECEP FAMILY RESTROOMS FAUCET CTRL	20 A	1			720 VA				42
	Total Load:			10587 VA	10917 VA	9347 VA				
	Total...			90 A	93 A	78 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	4500 VA	100.00%	4500 VA		
LIGHTING	311 VA	100.00%	311 VA	Total Conn. Load:	30851 VA
RECEPTACLE	15200 VA	82.85%	12610 VA	Total Est. Demand:	23931 VA
MECHANICAL	720 VA	100.00%	720 VA	Total Conn.:	86 A
VIDEO DISPLAY	2400 VA	100.00%	2400 VA	Total Est. Demand:	72 A
VAV	7700 VA	70.00%	5390 VA		

Notes:
*GFCI - PROVIDE GFCI PROTECTED BREAKER

Branch Panel: CLP1

Location: ELEC/ FP C-116
Supply from: TCLP1
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MAIN BREAKER
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RECEPTACLE Room C-145, C-101, C-146-1,...	20 A	1	900 VA 360 VA			1	20 A	RECEPTACLE RECEPT-1 C-101-1	2
3	RECEPTACLE DISPLAY C-101	20 A	1		360 VA 1260 VA		1	20 A	RECEPTACLE WAITING C-100	4
5	RECEPTACLE Space C-146	20 A	1			540 VA 540 VA	1	20 A	RECEPTACLE Space C-146	6
7	TV RECEPTACLE PT GYM C-107	20 A	1	180 VA 540 VA			1	20 A	RECEPTACLE Room C-111, C-109, C-108	8
9	RECEPTACLE PT GYM C-109	20 A	1		180 VA 720 VA		1	20 A	RECEPTACLE TREATMENT C-110	10
11	RECEPTACLE MODALITY C-112	20 A	1			1200 VA 1200 VA	1	20 A	RECEPTACLE MODALITY C-112	12
13	RECEPTACLE MODALITY C-112	20 A	1	120 VA 1200 VA			1	20 A	RECEPTACLE MODALITY C-112	14
15	RECEPTACLE Room C-112, C-114	20 A	1		1080 VA 900 VA		1	20 A	RECEPTACLE PRIVATE TRAINING C-116	16
17	DOOR POWER - C-105, C-119, C-107	20 A	1			540 VA 720 VA	1	20 A	DOOR POWER-C101,C106,C109,C119	18
19	RECEPTACLE Room C-106, S-118, C-117	20 A	1	120 VA 540 VA			1	20 A	RECEPTACLE Room C-106, C-115	20
21	RECEPTACLE PT GYM C-109	20 A	1		900 VA 180 VA		1	20 A	RECEPTACLE PT GYM C-106	22
23	RECEPTACLE PT GYM C-109	20 A	1			180 VA 180 VA	1	20 A	RECEPTACLE PT GYM C-106	24
25	RECEPTACLE PT GYM C-109	20 A	1	180 VA 180 VA			1	20 A	RECEPTACLE PT GYM C-106	26
27	RECEPTACLE PT GYM C-109	20 A	1		180 VA 180 VA		1	20 A	RECEPTACLE PT GYM C-106	28
29	RECEPTACLE PT GYM C-109	20 A	1			180 VA 180 VA	1	20 A	RECEPTACLE PT GYM C-106	30
31	RECEPTACLE PT GYM C-109	20 A	1	180 VA 180 VA			1	20 A	RECEPTACLE PT GYM C-106	32
33	RECEPTACLE PT GYM C-109	20 A	1		180 VA 360 VA		1	20 A	FAUCET SENSOR RECEPT-110, C-108	*1 34
35	RECEPTACLE PT GYM C-109	20 A	1			360 VA 360 VA	1	20 A	RECEPTACLE PT GYM C-106	36
37	RECEPTACLE PT GYM C-109	20 A	1	360 VA 360 VA			1	20 A	RECEPTACLE PT GYM C-106	38
39	RECEPTACLE PT GYM C-109	20 A	1		360 VA 360 VA		1	20 A	RECEPTACLE PT GYM C-106	40
41	RECEPTACLE PT GYM C-109	20 A	1			180 VA 180 VA	1	20 A	RECEPTACLE PT GYM C-106	42
43	VAV-C02-01	15 A	3	1300 VA 850 VA			2	15 A	VAV-C02-02	44
45	--	--	--		1300 VA 850 VA		--	--	-	46
47	--	--	--			1300 VA 750 VA	2	15 A	VAV-C02-03	48
49	VAV-C02-04	15 A	2	750 VA 750 VA			--	--	-	50
51	--	--	--		750 VA 700 VA		2	15 A	VAV-C02-05	52
53	VAV-C02-06	15 A	2			650 VA 700 VA	--	--	-	54
55	--	--	--	650 VA 827 VA			3	15 A	EVLS-C01	56
57	POWER PT GYM C-107	20 A	2		832 VA 827 VA		--	--	-	58
59	--	--	--			832 VA 827 VA	--	--	-	60
	Total Load:			22193 VA	14725 VA	20065 VA				
	Total...			192 A	123 A	174 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	25320 VA	69.75%	17660 VA		
MECHANICAL	8960 VA	100.00%	8960 VA	Total Conn. Load:	57004 VA
OVERHEAD COILING DOOR	1664 VA	100.00%	1664 VA	Total Est. Demand:	46886 VA
SAUNA	11000 VA	100.00%	11000 VA	Total Conn.:	158 A
VAV	8860 VA	70.00%	6202 VA	Total Est. Demand:	130 A

Notes:
*1- PROVIDE GFCI BREAKER

Branch Panel: CLP12

Location: ELEC/ FP C-116
Supply from: CLP1
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MAIN BREAKER
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	HVLS-C02	15 A	3	827 VA 1200 VA			1	20 A	SP-1 ELEV C-102	2
3	--	--	--		827 VA 180 VA		1	20 A	RECEPTACLE ELEV. C-102	4
5	--	--	--			827 VA 600 VA	2	30 A	LS-30 IT C-114	6
7	RECEPTACLE IT C-114	20 A	1	180 VA 600 VA			--	--	--	8
9	RECEPTACLE IT C-114	20 A	1		180 VA 180 VA		1	20 A	RECEPTACLE IT C-114	10
11	FUTURE PRINTER C-114	20 A	1			180 VA 180 VA	1	20 A	PRINTER RECEP NURSE C-215	12
13	FUTURE PRINTER C-114	20 A	1	180 VA 180 VA			1	20 A	CONDENSATE- C-116	14
15	CONDENSATE PUMP- IT C-114	20 A	1		180 VA 120 VA		2	15 A	EDU-C01B & EDU-C02A C-114	16
17	EDU-C03- FP C-116	15 A	2			60 VA 120 VA	--	--	--	18
19	--	--	--	69 VA 1500 VA			1	20 A	RECEPTACLE IT C-114	20
21	RECEPTACLE IT C-114	20 A	1		300 VA 300 VA		1	20 A	RECEPTACLE IT C-114	22
23	UH- STAIR C- 18	20 A	1			1200 VA 5500 VA	2	70 A	SAUNA BR SAUNA C-236	24
25				5500 VA			--	--	--	26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
43										44
45										46
47										48
49										50
51										52
53										54
55										56
57										58
59										60
	Total Load:			9447 VA	2267 VA	8487 VA				
	Total...			87 A	19 A	79 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	3960VA	100.00%	3960 VA		
MECHANICAL	1960VA	100.00%	1960 VA	Total Conn. Load:	20200 VA
SAUNA	11000 VA	100.00%	11000 VA	Total Est. Demand:	19456 VA
VAV	2480VA	70.00%	1736 VA	Total Conn.:	56 A
				Total Est. Demand:	54 A

Notes:

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BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI WATER TECHNOLOGY INC
LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA 10/27/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

HIVISION HISTORY:

10	PR-45R2	05/12/2022
9	PR-035	10/19/2022
8	PR30	09/09/2022
7	PR-029R1	08/05/2022
6	PR-021	06/02/2022
5	PR-09	06/24/2022
4	PR-11	06/01/2022
3	ADDENDUM 06	01/13/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:
DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: PANEL SCHEDULES
ISSUE DATE: 10/27/2021
SHEET NUMBER: EP702

BID PACKAGE 5

5/12/2023 1:42:25 PM
BIM 360:/City of Norman - Young Family Athletics Center/R9000_Elec.rvt

Branch Panel: CLP2

Location: PT GYM C-107
Supply From: TCLP2
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208/120 WYE
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MAIN BREAKER
Mains Rating: 400 A
MCB Rating: 400 A

s:
VIDE 100% RATED BREAKER

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE Room C-219, C-218	20 A	1	1260 VA	1080 VA					1	20 A	RECEPTACLE Room C-220, C-221	2
3	RECEPTACLE Room C-222, C-223	20 A	1			1080 VA	1080 VA			1	20 A	RECEPTACLE Room C-225, C-224	4
5	RECEPTACLE Room C-226, C-227	20 A	1					720 VA	1080 VA	1	20 A	RECEPTACLE Room C-232, C-234	6
7	RECEPTACLE & SENSOR C-239, C-240 *GFI	20 A	1	1260 VA	1260 VA					1	20 A	RECEPTACLE LOCKER ROOM C-241	8
9	RECEPTS C-233, C-243, C-228, C-229, C-205,...	20 A	1			1620 VA	360 VA			1	20 A	RECEPTACLE WB XRAY C-213	10
11	RECEPTACLE Room C-231, C-209, C-211	20 A	1					1440 VA	900 VA	1	20 A	RECEPTACLE SHELL SPACE C-230	12
13	RECEPTACLE LOCKER ROOM C-241 *GFCI	20 A	1	720 VA	1440 VA					1	20 A	RECEPTACLE WAITING C-203	14
15	RECEPTACLE RECEPTION C-204	20 A	1			900 VA	720 VA			1	20 A	RECEPTACLE RECEPTION C-204	16
17	RECEPTACLE RECEPTION C-204	20 A	1					720 VA	360 VA	1	20 A	FIRE/SMOKE DAMPER C-241 CHASE #1	18
19	RECEPTACLE NURSE C-215	20 A	1	1080 VA	900 VA					1	20 A	RECEPTACLE NURSE C-215	20
21	UNDER COUNTER FRIDGE - *1 GFCI	20 A	1			600 VA	0 VA			1	20 A	SPARE	22
23	RECEPTACLE KITCHEN C-249	20 A	1					180 VA	180 VA	1	20 A	RECEPTACLE KITCHEN C-249	24
25	RECEPTACLE KITCHEN C-249	20 A	1	180 VA	180 VA					1	20 A	RECEPTACLE KITCHEN C-249	26
27	RECEPTACLE KITCHEN C-249	20 A	1			180 VA	180 VA			1	20 A	RECEPTACLE KITCHEN C-249	28
29	RECEPTACLE KITCHEN C-249	20 A	1					360 VA	1200 VA	1	20 A	RECEPTACLE WB XRAY C-213	30
31	VAV-C01-09	15 A	1	800 VA	1200 VA					3	15 A	VAV-C01-04	32
33	VAV-C02-07	15 A	2			650 VA	1200 VA			–	–	–	34
35	–	--	–					650 VA	1200 VA	–	–	–	36
37	VAV-C01-07	15 A	3	1100 VA	0 VA					3	20 A	SPARE	38
39	–	--	–			1100 VA	0 VA			–	–	–	40
41	–	--	–					1100 VA	0 VA	–	–	–	42
43	VAV-C02-22	15 A	3	1300 VA	1100 VA					3	15 A	VAV-C02-20	44
45	–	--	–			1300 VA	1100 VA			–	–	–	46
47	–	--	–					1300 VA	1100 VA	–	–	–	48
49	SPARE	20 A	1	0 VA	1976 VA					2	30 A	ODU-G-01	50
51	SPARE	20 A	1			0 VA	1976 VA			–	–	–	52
53	ODU-G-02	30 A	2					1976 VA	540 VA	1	20 A	RECEPTACLE SHELL SPACE C-226	54
55	–	--	–	1976 VA	180 VA					1	20 A	IR SAUNA RECEPT *GFCI	56
57	RECEPTACLE LOCKER ROOM C-241	20 A	1			900 VA	180 VA			1	20 A	GARBAGE DISPOSAL KITCHEN C-249	58
59	RECEP IV THERAPY REFRIGERATOR *GFCI	20 A	1					900 VA	360 VA	1	20 A	FIRE/SMOKE DAMPER C-241 CHASE #2	60
			Total Load:	51401 VA		49001 VA		47665 VA					
			Total...	430 A		410 A		397 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	5300 VA	100.00%	5300 VA		
LIGHTING	100 VA	100.00%	100 VA	Total Conn. Load:	148067 VA
RECEPTACLE	56100 VA	58.91%	33050 VA	Total Est. Demand:	111424 VA
MECHANICAL	40656 VA	100.00%	40656 VA	Total Conn.:	411 A
VAV	45311 VA	70.00%	31718 VA	Total Est. Demand:	309 A

Notes:
*GFCI - PROVIDE GFCI BREAKER

Branch Panel: CLP21

Location: ELEC. C-247
Supply From: CLP2
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208/120 WYE
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 400 A

Notes:
FED FROM FEED THROUGH LUGS FROM CLP2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE FUEL BAR C-259	20 A	1	180 VA	180 VA					1	20 A	RECEPTACLE FUEL BAR C-259	2
3	RECEPTACLE FUEL BAR C-259	20 A	1			180 VA	180 VA			1	20 A	RECEPTACLE FUEL BAR C-259	4
5	RECEPTACLE FUTURE OFFICE C-259	20 A	1					720 VA	360 VA	1	20 A	TV RECEPTS, DOOR POWER - LBY C-201	6
7	VIDEO WALL RECEPT LOBBY C-201	20 A	1	1080 VA	0 VA					1	20 A	SPARE	8
9	RECEPTACLE FUEL BAR C-259	20 A	1			180 VA	720 VA			1	20 A	RECEPTACLE Room C-261, C-263, C-264	10
11	RECEPTACLE CYCLE-1 C-254-1	20 A	1					540 VA	360 VA	1	20 A	FIRE/SMOKE DAMPER C-202 CHASE	12
13	RECEPTACLE LOBBY C-201	20 A	1	360 VA	1350 VA					1	20 A	VIDEO WALL RECEPTS CYCLE-1 C-254-1	14
15	VIDEO WALL RECEPTS CYCLE-1 C-254-1	20 A	1			1350 VA	1440 VA			1	20 A	RECEPTS- C-256, C-206, C-208, C-258 *1 GFCI	16
17	VAV-C02-29	20 A	2					1250 VA	936 VA	2	20 A	EF-C01	18
19	–	–	–	1250 VA	936 VA					–	–	–	20
21	EF-C02	30 A	1			1840 VA	1176 VA			1	20 A	EF-C03	22
23	SPARE	20 A	1					0 VA	850 VA	2	15 A	VAV-C02-09	24
25	SPARE	20 A	1	0 VA	850 VA					–	–	–	26
27	VAV-C02-08	15 A	2			950 VA	1333 VA			3	20 A	VAV-C02-12	28
29	–	–	–					950 VA	1333 VA	–	–	–	30
31	VAV-C02-16	40 A	2	2650 VA	1333 VA					–	–	–	32
33	–	–	–			2650 VA	1100 VA			2	15 A	VAV-C02-15	34
35	SPARE	20 A	1					0 VA	1100 VA	–	–	–	36
37	VAV-C02-14	15 A	1	800 VA	0 VA					1	20 A	SPARE	38
39	VAV-C02-18	15 A	3			1300 VA	1400 VA			1	20 A	VAV-C02-25	40
41	–	–	–					1300 VA	1300 VA	1	15 A	VAV-C02-26	42
43	–	–	–	1300 VA	360 VA					1	20 A	RECEPTACLE	44
45	RECEPTACLE	20 A	1			180 VA	180 VA			1	20 A	RECEPTACLE	46
47	SPARE	20 A	1					0 VA	360 VA	1	20 A	RECEPTACLE CYCLE-1 C-254-1	48
49	RECEPTACLE CYCLE-1 C-254-1	20 A	1	360 VA	360 VA					1	20 A	RECEPTACLE CYCLE-1 C-254-1	50
51	RECEPTACLE CYCLE-1 C-254-1	20 A	1			360 VA	1440 VA			1	20 A	RECEPTACLE Room, C-210, C-212	52
53	SPARE	20 A	1					0 VA	360 VA	1	20 A	RECEPTACLE	54
55	RECEPTACLE	20 A	1	180 VA	360 VA					1	20 A	RECEPTACLE LOBBY C-201	56
57	RECEPTACLE	20 A	1			180 VA	1250 VA			2	20 A	VAV-C02-17	58
59	RECEPTACLE C-206 & C-208	20 A	1					360 VA	1250 VA	–	–	–	60
			Total Load:	32409 VA		33875 VA		31399 VA					
			Total...	271 A		284 A		262 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	5300 VA	100.00%	5300 VA		
LIGHTING	100 VA	100.00%	100 VA	Total Conn. Load:	97683 VA
RECEPTACLE	31140 VA	66.06%	20570 VA	Total Est. Demand:	78140 VA
MECHANICAL	31232 VA	100.00%	31232 VA	Total Conn.:	271 A
VAV	29911 VA	70.00%	20938 VA	Total Est. Demand:	217 A

Notes:
1*GFCI - PROVIDE GFCI BREAKER.

Branch Panel: CLP22

Location: ELEC. C-247
Supply From: CLP21
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208/120 WYE
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating: 225 A

Notes:
FED FROM FEED THRU LUGS FROM CLP21

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE CONF. RM.-1 C-255-1	20 A	1	540 VA	180 VA					1	20 A	RECEPTACLE IDXA C-262	2
3	RECEPTACLE CONF. RM.-1 C-255-1	20 A	1			360 VA	180 VA			1	20 A	RECEPTACLE CONF. RM.-1 C-255-1	4
5	RECEPTACLE SPORTS SCIENCE INSTITUT...	20 A	1					360 VA	360 VA	1	20 A	FB SPORTS SCIENCE INSTITUTE C-260	6
7	RECEPTACLE SPORTS SCIENCE INSTITUT...	20 A	1	360 VA	360 VA					1	20 A	FB SPORTS SCIENCE INSTITUTE C-260	8
9	SPARE	20 A	1			0 VA	360 VA			1	20 A	RECEPTACLE IDXA C-262	10
11	RECEPTACLE VIP LOUNGE C-251	20 A	1					360 VA	360 VA	1	20 A	RECEPTACLE VIP LOUNGE C-251	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	RECEPTACLE Room C-252, C-248	20 A	1			720 VA	0 VA			1	20 A	SPARE	16
17	VAV-C02-21	20 A	2					1706 VA	0 VA	1	20 A	SPARE	18
19	–	–	–	1706 VA	850 VA					2	20 A	VAV-C02-19	20
21	VAV-C02-23	20 A	3			1433 VA	850 VA			–	–	--	22
23	–	–	–					1433 VA	1433 VA	3	20 A	VAV-C02-24	24
25	–	–	–	1433 VA	1433 VA					–	–	--	26
27	L6-30R IT C-244	30 A	2			800 VA	1433 VA			–	–	--	28
29	–	–	–					800 VA	360 VA	1	20 A	RECEPTACLE IT C-244	30
31	RECEPTACLE IT C-244	20 A	1	360 VA	360 VA					1	20 A	RECEPTACLE IT C-244	32
33	SPARE	20 A	1			0 VA	360 VA			1	20 A	RECEPTACLE IT C-244	34
35	RECEPTACLE BREAKROOM C-226 *1	20 A	1					1000 VA	0 VA	1	20 A	SPARE	36
37	RECEPTACLE- C-260	20 A	1	1620 VA	360 VA					1	20 A	RACK - STORAGE C-245	38
39	RACK - STORAGE C-245	20 A	1			360 VA	360 VA			1	20 A	RACK - STORAGE C-245	40
41	PROJECTOR - SPORTS SCIENCE C-260	20 A	1					360 VA	480 VA	1	20 A	VIDEO WALL SPORTS SCIENCE C-260	42
43	DOORSWITCH WB XRAY C-213	20 A	1	360 VA	360 VA					1	20 A	DOOR POWER - CORR 216	44
45	UNDER COUNTER FRIDGE - MEDS. C-214 *1	20 A	1			180 VA	540 VA			1	20 A	RECEPTACLE CORR. C-207	46
47	RECEPTACLE MEDS. C-214	20 A	1					360 VA	360 VA	1	20 A	RACK - STORAGE C-245	48
49	RACK - STORAGE C-245	20 A	1	360 VA	360 VA					1	20 A	RACK - STORAGE C-245	50
51	RECEPTACLE ELEC. C-247	20 A	1			180 VA	180 VA			1	20 A	RECEPTACLE STORAGE C-245	52
53	ODU-C05 - ROOF AREA	30 A	2					2028 VA	180 VA	1	20 A	CONDENSATE PUMP- IT C-244	54
55	–	–	–	2028 VA	100 VA					1	20 A	CONFRENCE C255	56
57	ODU-C01	70 A	3			5149 VA	800 VA			2	30 A	RECEPTACLE STORAGE - C-245	58
59	–	–	–					5149 VA	800 VA	–	–	--	60
61	–	–	–	5149 VA	180 VA					1	20 A	CONDENSATE PUMP-C245	62
63	IDU-C05A STORAGE C-245	15 A	2			120 VA	60 VA			2	15 A	IDU-C04 ELEC. C-247	64
65	–	–	–					120 VA	60 VA	–	–	--	66
67	IDU -CO3 -IT C-244	20 A	2	60 VA									68
69	–	–	–			60 VA							70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			Total Load:	18520 VA		14486 VA		18070 VA					
			Total...	159 A		121 A		155 A					

Legend:

*1- PROVIDE GFCI BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	100 VA	100.00%	100 VA		
RECEPTACLE	17280 VA	78.94%	13640 VA	Total Conn. Load:	51075 VA
MECHANICAL	19984 VA	100.00%	19984 VA	Total Est. Demand:	43322 VA
VAV	13711 VA	70.00%	9598 VA	Total Conn.:	142 A
				Total Est. Demand:	120 A

Notes:

Branch Panel: BLP1

Location: ELEC B-105
Supply From: TBLP1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208/120 WYE
Phases: 3
Wires: 4

A.I.C. Rating: 14000
Mains Type: MAIN BREAKER
Mains Rating: 225 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE Room B-115, B-113	20 A	1	1440 VA	720 VA					1	20 A	RECEPTACLE OFFICE B-113	2
3	RECEPTACLE OFFICE B-109	20 A	1			1260 VA	1260 VA			1	20 A	RECEPTACLE Room B-106, B-108, B-104,...	4
5	RECEPTACLE Room B-106, B-103	20 A	1					720 VA	900 VA	1	20 A	RECEPTACLE WORKROOM B-108	6
7	ADMIN B-114 COPIER	20 A	1	1200 VA	1080 VA					1	20 A	RECEPTACLE ADMIN B-114	8
9	RECEPTACLE ADMIN B-114	20 A	1			720 VA	1260 VA			1	20 A	RECEPTACLE MEETING ROOM B-116	10
11	BREAK B-112 REFRIGERATOR	20 A	1					1200 VA	1200 VA	1	20 A	BREAK B-112 MICROWAVE #1	12
13	RECEPTACLE BREAK B-112	20 A	1	180 VA	1200 VA					1	20 A	BREAK B-112 MICROWAVE #2	14
15	CORR. B-104 VEND. MACH. #1	20 A	1			1200 VA	1200 VA			1	20 A	CORR. B-104 VEND. MACH. #2	16
17	CORR. B-104 VEND. MACH. #3	20 A	1					1200 VA	1200 VA	1	20 A	CORR. B-104 VEND. MACH. #4	18
19	CORR. B-104 VEND. MACH. #5	20 A	1	1200 VA	1200 VA					1	20 A	CORR. B-104 WATER FOUNTAIN	20
21	CORR. B-104 VIDEO DISPLAY	20 A	1			1200 VA	180 VA			1	20 A	RECEPTACLE CORR. B-104	22
23	RECEPTACLE CORR. B-104	20 A	1					180 VA	900 VA	1	20 A	RECEPTACLE Room B-102, B-106	24
25	RECEPTACLE LOUNGE B-102	20 A	1	180 VA	900 VA					1	15 A	VAV-01-02	26
27	VAV-01-04	20 A	3			1367 VA	1150 VA			2	20 A	VAV-01-05	28
29	–	--	–					1367 VA	1150 VA	–	–	–	30
31	–	--	–	1367 VA	850 VA					2	15 A	VAV-01-06	32
33	VAV-01-07	20 A	3			1467 VA	850 VA			–	–	–	34
35	–	--	–					1467 VA	900 VA	1	15 A	VAV-01-08	36
37	–	--	–	1467 VA	1100 VA					1	15 A	VAV-01-09	38
39	ODU-B-01	15 A	2			832 VA	1914 VA			2	30 A	ODU-B-02	40
41	–	--	–					832 VA	1914 VA	–	–	–	42
43	DOOR POWER -LOUNGE E-102	20 A	1	360 VA	180 VA					1	20 A	RECEPTACLE ELEC B-105	44
45	VIDEO WALL-CORR. B-104	20 A	1			1080 VA	800 VA			1	20 A	POOL TIMING SYTEM RECEPTACLE	46
47	IDU-B-01 ELEC B-105	15 A	2					60 VA	960 VA	2	20 A	VIDEOBOARD RECEPTACLE *1	48
49	–	--	–	60 VA	960 VA					–	–	–	50
51	POOL SCOREBOARD RECEPTACLE*1	20 A	1			800 VA	1120 VA			2	20 A	VIDEOBOARD RECEPTACLE *1	52
53	POOL SCOREBOARD RECEPTACLE*1	20 A	1					800 VA	1120 VA	–	–	–	54
55	POOL SCOREBOARD RECEPTACLE*1	20 A	1	800 VA									56
57	POOL SCOREBOARD RECEPTACLE*1	20 A	1			800 VA	1120 VA			2	20 A	VIDEOBOARD RECEPTACLE *1	58
59	POOL SCOREBOARD RECEPTACLE*1	20 A	1					800 VA	1120 VA	–	–	–	60
			Total Load:	19703 VA		23739 VA		21929 VA					
			Total...	164 A		201 A		186 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Spare	1200 VA	100.00%	1200 VA		
RECEPTACLE	41840 VA	61.95%	25920 VA	Total Conn. Load:	65371 VA
MECHANICAL	6631 VA	100.00%	6631 VA	Total Est. Demand:	45101 VA
VIDEO DISPLAY	1200 VA	100.00%	1200 VA	Total Conn.:	181 A
VAV	14500 VA	70.00%	10150 VA	Total Est. Demand:	125 A

Notes:
*1 PROVIDE GFCI BREAKER (CLASS A)

Branch Panel: BLP12

Location: ELEC B-105
Supply From: BLP1
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208/120 WYE
Phases: 3
Wires: 4

A.I.C. Rating: 14000
Mains Type: MLO
Mains Rating: 225 A

Notes:
FED FROM FEED THRU LUGS FROM BLP1

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE ELEV. C-102	20 A	1	180 VA	180 VA					1	20 A	RECEPTACLE ELEV. C-102	2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17	MUSCO CONTROL PANEL	20 A	1					180 VA					18
19	ODU-D&B RECEPTACLES	20 A	1	360 VA									20
21	RTU-01 RECEPTACLE	20 A	1			180 VA	1200 VA			1	20 A	RECEPTACLE WORKROOM B-108	22
23	RECEPTACLE FRONT DESK B-103	20 A	1					180 VA	800 VA	2	30 A	L6-30R COMM B-110	24
25	RECEPTACLE COMM B-110	20 A	1	360 VA	800 VA					–	–	–	26
27	RECEPTACLE COMM B-110	20 A	1			360 VA	360 VA			1	20 A	RECEPTACLE COMM B-110	28
29	RECEPTACLE COMM B-110	20 A	1					360 VA	360 VA	1	20 A	RECEPTACLE COMM B-110	30
31	MECHANICAL SHADES PANEL	20 A	1	1200 VA	180 VA					1	20 A	CONDENSATE PUMPS - COMM B-110	32
33	POWER COMM B-110	20 A	2			60 VA							34
35	–	–	–					60 VA					36
37													38
39													40
41													42
			Total Load:	3260 VA		2160 VA		1940 VA					
			Total...	27 A		18 A		16 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Spare	1200 VA	100.00%	1200 VA		
RECEPTACLE	6040 VA	100.00%	6040 VA	Total Conn. Load:	7360 VA
MECHANICAL	120 VA	100.00%	120 VA	Total Est. Demand:	7360 VA
				Total Conn.:	20 A
				Total Est. Demand:	20 A

Notes:

Branch Panel: BLP2

Location: ELEC D-106
Supply From: TBLP2
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208/120 WYE
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MAIN BREAKER
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE BB COURTS BAY 1 F-100	20 A	1	900 VA	900 VA					1	20 A	RECEPTACLE RETAIL D-108	2
3	RECEPTACLE Room D-100, D-102	20 A	1			900 VA	360 VA			1	20 A	RECEPTACLE TOURNAMENT LOUNGE D-100	4
5	RECEPTACLE TOURNAMENT LOUNGE D-100	20 A	1					360 VA	360 VA	1	20 A	RECEPTACLE TOURNAMENT LOUNGE D-100	6
7	RECEPTACLE TOURNAMENT LOUNGE D-100	20 A	1	720 VA	840 VA					1	20 A	RECEPTACLE Room E-114, E-112	8
9	RECEPTACLE CORR. E-113	20 A	1			180 VA	180 VA			1	20 A	RECEPTACLE CORR. E-113	10
11	RECEPTACLE CORR. E-113	20 A	1					360 VA	600 VA	1	20 A	VIDEO DISPLAY BB COURTS BAY 1 F-100	12
13	VIDEO DISPLAY BB COURTS BAY 1 F-100	20 A	1	600 VA	600 VA					1	20 A	VIDEO DISPLAY BB COURTS BAY 1 F-100	14
15	VIDEO DISPLAY BB COURTS BAY 1 F-100	20 A	1			600 VA	720 VA			1	20 A	RECEPTACLE BB COURTS BAY 1 F-100	16
17	RECEPTACLE BB COURTS BAY 1 F-100	20 A	1					360 VA	360 VA	1	20 A	RECEPTACLE BB COURTS BAY 1 F-100	18
19	BUZZER POWER- BAY 1 F-100	20 A	1	360 VA	1200 VA					1	20 A	VIDEO DISPLAY BB COURTS BAY 1 F-100	20
21	VIDEO DISPLAY BB COURTS BAY 1 F-100	20 A	1			600 VA	600 VA			1	20 A	VIDEO DISPLAY BB COURTS BAY 1 F-100	22
23	RECEPTACLE BB COURTS BAY 2 G-100	20 A	1					1080 VA	1000 VA	1	20 A	SHOW RECEPTACLE RETAIL D-108	24
25	VIDEO DISPLAY BB COURTS BAY 2 G-100	20 A	1	600 VA	600 VA					1	20 A	VIDEO DISPLAY BB COURTS BAY 2 G-100	26
27	VIDEO DISPLAY BB COURTS BAY 2 G-100	20 A	1			600 VA	600 VA			1	20 A	VIDEO DISPLAY BB COURTS BAY 2 G-100	28
29	VIDEO DISPLAY BB COURTS BAY 2 G-100	20 A	1					1200 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	960 VA					1	20 A	RETRACTABLE GOAL #1	32
33	RETRACTABLE GOAL #2	20 A	1			960 VA	960 VA			1	20 A	RETRACTABLE GOAL #3	34
35	RETRACTABLE GOAL #4	20 A	1					960 VA	960 VA	1	20 A	RETRACTABLE GOAL #5	36
37	RETRACTABLE GOAL #6	20 A	1	960 VA	960 VA					1	20 A	RETRACTABLE GOAL #7	38
39	RETRACTABLE GOAL #8	20 A	1			960 VA	960 VA			1	20 A	RETRACTABLE GOAL #9	40
41	RETRACTABLE GOAL #10	20 A	1					960 VA	360 VA	1	20 A	RECEPTACLE CONCESSIONS D-101	42
			Total Load:	24576 VA		18690 VA		18717 VA					
			Total...	205 A		156 A		156 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	120 VA	100.00%	120 VA		
Spare	1200 VA	100.00%	1200 VA	Total Conn. Load:	61982 VA
RECEPTACLE	30620 VA	66.33%	20310 VA	Total Est. Demand:	50112 VA
MECHANICAL	6362 VA	100.00%	6362 VA	Total Conn.:	172 A
VIDEO DISPLAY	6000 VA	100.00%	6000 VA	Total Est. Demand:	139 A
OPERABLE PARTITION	2400 VA	100.00%	2400 VA		
BASKETBALL GOAL	9960 VA	100.00%	9960 VA		
MECH SHADES	120 VA	100.00%	120 VA		
VAV	5200 VA	70.00%	3640 VA		

Notes:

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY INC

J.T. LITTLE JR. 20555
5/12/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

△	DESCRIPTION	DATE
16	PR-45R2	05/12/2023
15	PR-047	03/07/2023
14	PR048	03/02/2023
13	PR-036	10/25/2022
12	PR-031	09/09/2022
11	PR30	09/09/2022
10	PR-024	09/01/2022
9	PR-021	08/02/2022
8	PR-015	07/20/2022
7	PR-019	07/13/2022
6	PR-09	06/24/2022
5	PR-08	06/24/2022
4	PR-11	05/31/2022
3	ADDENDUM 06	01/13/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021

PROJECT INFORMATION:
DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: PANEL SCHEDULES
ISSUE DATE: 10/27/2021
SHEET NUMBER: EP703

BID PACKAGE 5

5/12/2023 5:25:27 PM
BIM 360://City of Norman - Young Family Athletics Center/806901_Elec.rvt

Item 24.

Branch Panel: BLP21

Location: ELEC D-106
Supply From: BLP2
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RTU-05 RECEPTACLE	20 A	1	180 VA	180 VA					1	20 A	RTU-04 RECEPTACLE	2
3	RTU-03 RECEPTACLE	20 A	1			180 VA	60 VA			2	15 A	ICU-G-101 G-102	4
5	MUSCO CONTROL PANEL	20 A	1					350 VA	60 VA	--	--	--	6
7	RECEPTACLE AV ROOM-1 D-104-1	20 A	1	360 VA	360 VA					1	20 A	RSCEPTACLE AV ROOM-1 D-104-1	8
9	RECEPTACLE AV ROOM-1 D104-1	20 A	1			360 VA	180 VA			1	20 A	RSCEPTACLE COMM G-102	10
11	RECEPTACLE COMM G-102	20 A	1					180 VA	180 VA	1	20 A	RSCEPTACLE COMM G-102	12
13	L6-30R COMM G-102	30 A	2	800 VA	180 VA					1	20 A	RSCEPTACLE COMM G-102	14
15	--	--	--			800 VA	180 VA			1	20 A	RSCEPTACLE COMM G-103	16
17	L6-30R COMM G-103	30 A	2					800 VA	180 VA	1	20 A	RSCEPTACLE COMM G-103	18
19	--	--	--	800 VA	180 VA					1	20 A	RSCEPTACLE COMM G-103	20
21	L6-30R AV ROOM-1 D-104-1	30 A	2			800 VA	1200 VA			1	20 A	MECH SHADES RETAIL D-108	22
23	--	--	--					800 VA	180 VA	1	20 A	RSCEPTACLE COMM G-103	24
25	SHOW WINDOW RECEPTS RETAIL D-108	20 A	1	1400 VA	1167 VA					3	15 A	VAV-C02-27	26
27	CONDENSATE PUMPS-AV ROOM-1 D-104-1	20 A	1			180 VA	1167 VA			--	--	--	28
29	SHOW WINDOW RECEPT RETAIL D-108	20 A	1					800 VA	1167 VA	--	--	--	30
31	IDU-D-02 - D-108	20 A	2	60 VA	832 VA					2	15 A	ODU-D-01	32
33	--	--	--			60 VA	832 VA			--	--	--	34
35	IDU-D-01 ROOM-1 D-104-1	15 A	2					60 VA	180 VA	1	20 A	CONDENSATE PUMP- COMM G-102	36
37	--	--	--	60 VA	1176 VA					1	20 A	EF-07	38
39	VAV-02-08	20 A	2			850 VA	180 VA			1	20 A	CONDENSATE PUMP- COMM G-103	40
41	--	--	--					850 VA	60 VA	2	15 A	ICU-G-02 - COMM G-103	42
43	ODU-G-01	30 A	2	1581 VA	60 VA					--	--	--	44
45	--	--	--			1581 VA	180 VA			1	20 A	MUSCO CONTROL PANEL	46
47	FLOOR RECEPTACLE 1 F-100 *1	20 A	1					360 VA	360 VA	1	20 A	FLOOR RECEPTACLE 1 F-100 *1	48
49	FLOOR RECEPTACLE 1 F-100 *1	20 A	1	1500 VA	1000 VA					1	20 A	FLOOR RECEPTACLE 1 F-100 *1	50
51	--	--	--							--	--	--	52
53	FLOOR RECEPTACLE 2 G-100 *1	20 A	1					360 VA	360 VA	1	20 A	FLOOR RECEPTACLE 2 G-100 *1	54
55	FLOOR RECEPTACLE 2 G-100 *1	20 A	1	1500 VA	1000 VA					1	20 A	FLOOR RECEPTACLE 2 G-100 *1	56
57	FLOOR RECEPTACLE 2 G-100 *1	20 A	1			360 VA	360 VA			1	20 A	FLOOR RECEPTACLE 2 G-100 *1	58
59	FLOOR RECEPTACLE 2 G-100 *1	20 A	1					1000 VA	1500 VA	1	20 A	FLOOR RECEPTACLE 2 G-100 *1	60
		Total Load:		14376 VA		9510 VA		9797 VA					
		Total...		120 A		79 A		82 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	120 VA	100,00%	120 VA		
Spare	1200 VA	100,00%	1200 VA	Total Conn. Load:	33682 VA
RECEPTACLE	20800 VA	74,04%	15400 VA	Total Est. Demand:	26722 VA
MECHANICAL	6362 VA	100,00%	6362 VA	Total Conn.:	93 A
VAV	5200 VA	70,00%	3640 VA	Total Est. Demand:	74 A

Notes:
1 PROVIDE GFCI BREAKER (CLASS A)

Branch Panel: BLP3

Location: ELEC E-105
Supply From: TBLP3
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MAIN BREAKER
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE TOURNAMENT LOUNGE E-111	20 A	1					720 VA	360 VA	1	20 A	RECEPTACLE TOURNAMENT LOUNGE E-111	2
3	RECEPTACLE TOURNAMENT LOUNGE E-111	20 A	1			360 VA	360 VA			1	20 A	RECEPTACLE TOURNAMENT LOUNGE E-111	4
5	RECEPTACLE TOURNAMENT LOUNGE E-111	20 A	1					720 VA	180 VA	1	20 A	RECEPTACLE VENDING E-107	6
7	RECEPTACLE VENDING E-107	20 A	1	180 VA	1260 VA					1	20 A	RECEPTACLE Room E-102, E-111, E-101	8
9	RECEPTACLE CUBISTRIOR E-106, SENSOR	20 A	1			1020 VA	720 VA			1	20 A	RECEPTACLE TOURNAMENT E-104	10
11	RECEPTACLE TOURNAMENT E-104	20 A	1					1260 VA	180 VA	1	20 A	RECEPTACLE TOURNAMENT E-104	12
13	RECEPTACLE TOURNAMENT E-104	20 A	1	180 VA	180 VA					1	20 A	RECEPTACLE TOURNAMENT E-104	14
15	RECEPTACLE TOURNAMENT E-104	20 A	1			180 VA	180 VA			1	20 A	RECEPTACLE TICKETING E-103	16
17	RECEPTACLE TICKETING E-103	20 A	1					360 VA	180 VA	1	20 A	RECEPTACLE TICKETING E-103	18
19	RECEPTACLE TOURNAMENT ENTRY &...	20 A	1	360 VA	180 VA					1	20 A	RECEPTACLE Space C-265	20
21	RECEPTACLE Space C-265	20 A	1			180 VA	1080 VA			1	20 A	RECEPTACLE & DOOR PWR BB COURTS BA...	22
23	VIDEO DISPLAY BB COURTS BAY 3 H-100	20 A	1					600 VA	600 VA	1	20 A	VIDEO DISPLAY BB COURTS BAY 4 J-100	24
25	VIDEO DISPLAY BB COURTS BAY 3 H-100	20 A	1	600 VA	600 VA					1	20 A	VIDEO DISPLAY BB COURTS BAY 3 H-100	26
27	VIDEO DISPLAY BB COURTS BAY 3 H-100	20 A	1			600 VA	1200 VA			1	20 A	OPERABLE PARTITION BB COURTS BAY 3...	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	RECEPTACLE BB COURTS BAY 4 J-100	20 A	1	1260 VA	0 VA					1	20 A	SPARE	32
33	VIDEO DISPLAY BB COURTS BAY 4 J-100	20 A	1			600 VA	360 VA			1	20 A	DOOR POWER - BAY 4 J-100	34
35	VIDEO DISPLAY BB COURTS BAY 4 J-100	20 A	1					600 VA	540 VA	1	20 A	DOOR POWER - BAY 4 J-100	36
37	VIDEO DISPLAY BB COURTS BAY 4 J-100	20 A	1	600 VA	720 VA					1	20 A	MECHANICAL	38
39	RETRACTABLE GOAL #15	20 A	1			960 VA	696 VA			1	15 A	IF-06	40
41	RETRACTABLE GOAL #17	20 A	1					960 VA	180 VA	1	20 A	CP-6 RECEPT E-106	42
43	RETRACTABLE GOAL #11	20 A	1	96 VA	960 VA					1	20 A	RETRACTABLE GOAL #16	44
45	RETRACTABLE GOAL #13	20 A	1			960 VA	960 VA			1	20 A	RETRACTABLE GOAL #18	46
47	VAV-02-04	15 A	2					500 VA	960 VA	1	20 A	RETRACTABLE GOAL #12	48
49	--	--	--	50 VA	960 VA					1	20 A	RETRACTABLE GOAL #14	50
51	VAV-02-02	15 A	2			300 VA	1000 VA			3	20 A	VAV-02-03	52
53	--	--	--					300 VA	1000 VA	--	--	--	54
55	CP-6 RECEPT E-106	20 A	1	180 VA	1000 VA					--	--	--	56
57	L6-30R COMM E-115	30 A	2			800 VA							58
59	--	--	--					800 VA					60
		Total Load:		20143 VA		17938 VA		18823 VA					
		Total...		169 A		149 A		156 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	0 VA	0,00%	0 VA		
RECEPTACLE	31600 VA	65,82%	20800 VA	Total Conn. Load:	56702 VA
MECHANICAL	7582 VA	100,00%	7582 VA	Total Est. Demand:	45002 VA
VIDEO DISPLAY	4800 VA	100,00%	4800 VA	Total Conn.:	157 A
OPERABLE PARTITION	1200 VA	100,00%	1200 VA	Total Est. Demand:	125 A
BASKETBALL GOAL	8400 VA	100,00%	8400 VA		
MECH SHADES	120 VA	100,00%	120 VA		
VAV	3000 VA	70,00%	2100 VA		

Notes:

Branch Panel: BLP31

Location: ELEC E-105
Supply From: BLP3
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EF-06 & EF-07 ROOF RECEPTACLE	20 A	1	360 VA	180 VA					1	20 A	RTU-02 RECEPTACLE	2
3	RTU-10 RECEPTACLE	20 A	1			180 VA	180 VA			1	20 A	RTU-09 RECEPTACLE	4
5	RTU-07 RECEPTACLE	20 A	1					180 VA	180 VA	1	20 A	CONDENSATE PUMPS-115	6
7	RTU-08 RECEPTACLE	20 A	1	180 VA	60 VA					2	20 A	IDU-E-02 -COMM E-115	8
9	RTU-06 RECEPTACLE	20 A	1			180 VA	60 VA			--	--	--	10
11	ODU-E-02	20 A	2					1082 VA	1082 VA	2	20 A	ODU-E-01	12
13	--	--	--	1082 VA	1082 VA					--	--	--	14
15	IDU-E-01 E-103	15 A	2			60 VA	180 VA			1	20 A	MUSCO CONTROL PANEL	16
17	--	--	--					60 VA	180 VA	1	20 A	MUSCO CONTROL PANEL	18
19	FLOOR RECEPTACLE 3 H-100 *1	20 A	1	360 VA						1	20 A	FLOOR RECEPTACLE 3 H-100 *1	20
21	FLOOR RECEPTACLE 3 H-100 *1	20 A	1			1000 VA	360 VA			1	20 A	FLOOR RECEPTACLE 3 H-100 *1	22
23	FLOOR RECEPTACLE 3 H-100 *1	20 A	1					360 VA	1500 VA	1	20 A	FLOOR RECEPTACLE 3 H-100 *1	24
25	FLOOR RECEPTACLE 3 H-100 *1	20 A	1	1560 VA	360 VA					1	20 A	FLOOR RECEPTACLE 3 H-100 *1	26
27	FLOOR RECEPTACLE 4 J-100 *1	20 A	1			360 VA	1000 VA			1	20 A	FLOOR RECEPTACLE 3 H-100 *1	28
29	FLOOR RECEPTACLE 4 J-100 *1	20 A	1					1000 VA	360 VA	1	20 A	FLOOR RECEPTACLE 4 J-100 *1	30
31	FLOOR RECEPTACLE 4 J-100 *1	20 A	1	360 VA	1500 VA					1	20 A	FLOOR RECEPTACLE 4 J-100 *1	32
33	FLOOR RECEPTACLE 4 J-100 *1	20 A	1			1500 VA				--	--	--	34
35	FLOOR RECEPTACLE 4 J-100 *1	20 A	1					360 VA	1000 VA	1	20 A	FLOOR RECEPTACLE 1 F-100 *1	36
37	FLOOR RECEPTACLE 4 J-100 *1	20 A	1	1080 VA	360 VA					1	20 A	FLOOR RECEPTACLE 1 F-100 *1	38
39	FLOOR RECEPTACLE 1 F-100 *1	20 A	1			0 VA	360 VA			1	20 A	FLOOR RECEPTACLE 2 G-100 *1	40
41	FLOOR RECEPTACLE 1 F-100 *1	20 A	1					360 VA	1000 VA	1	20 A	FLOOR RECEPTACLE 2 G-100 *1	42
		Total Load:		8383 VA		5420 VA		8703 VA					
		Total...		74 A		45 A		76 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
POWER	0 VA	0,00%	0 VA		
RECEPTACLE	17940 VA	77,87%	13970 VA	Total Conn. Load:	22506 VA
MECHANICAL	4566 VA	100,00%	4566 VA	Total Est. Demand:	18536 VA
				Total Conn.:	62 A
				Total Est. Demand:	51 A

Notes:
1 PROVIDE GFCI BREAKER (CLASS A)

Branch Panel: BLPR

Location: ELEC D-106
Supply From: TBLPR
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MAIN BREAKER
Mains Rating: 225 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	2
3	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	4
5	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	6
7	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	8
9	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	10
11	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	32
33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34
35	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	36
37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42
		Total Load:		0 VA		0 VA		0 VA					
		Total...		0 A		0 A		0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:

Branch Panel: BLP32

Location: ELEC E-105
Supply From: TBLP3A
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 208/120 WYE
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MAIN BREAKER
Mains Rating: 225 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPTACLE BB COURTS BAY 3 H-100	20 A	2	80 VA	960 VA					2	20 A	RECEPTACLE BB COURTS BAY 2 G-100	2
3	--	--	--			800 VA	960 VA			--	--	--	4
5	RECEPTACLE BB COURTS BAY 2 G-100	20 A	2					960 VA	960 VA	2	20 A	RECEPTACLE BB COURTS BAY 2 G-100	6
7	--	--	--	96 VA	960 VA					--	--	--	8
9	RECEPTACLE BB COURTS BAY 2 G-100	20 A	2			960 VA	960 VA			2	20 A	RECEPTACLE BB COURTS BAY 2 G-100	10
11	--	--	--					960 VA	960 VA	--	--	--	12
13	RECEPTACLE BB COURTS BAY 2 G-100	20 A	2	96 VA	960 VA					2	20 A	RECEPTACLE BB COURTS BAY 2 G-100	14
15	--	--	--			960 VA	960 VA			--	--	--	16
17	RECEPTACLE BB COURTS BAY 2 G-100	20 A	2					960 VA	960 VA	2	20 A	RECEPTACLE BB COURTS BAY 2 G-100	18
19	--	--	--	96 VA	960 VA					--	--	--	20
21	RECEPTACLE BB COURTS BAY 2 G-100	20 A	2			960 VA	960 VA			2	20 A	RECEPTACLE BB COURTS BAY 2 G-100	22
23	--	--	--					960 VA	960 VA	--	--	--	24
25	RECEPTACLE BB COURTS BAY 3 H-100	20 A	2	96 VA	960 VA					2	20 A	RECEPTACLE BB COURTS BAY 3 H-100	26
27	--	--	--			960 VA	960 VA			--	--	--	28
29	RECEPTACLE BB COURTS BAY 3 H-100	20 A	2					960 VA	960 VA	2	20 A	RECEPTACLE BB COURTS BAY 3 H-100	30
31	--	--	--	96 VA	960 VA					--	--	--	32
33	RECEPTACLE BB COURTS BAY 3 H-100	20 A	2			960 VA	800 VA			2	20 A	RECEPTACLE BB COURTS BAY 3 H-100	34
35	--	--	--					960 VA	800 VA	--	--	--	36
37	RECEPTACLE BB COURTS BAY 3 H-100	20 A	2	80 VA	800 VA					2	20 A	RECEPTACLE BB COURTS BAY 3 H-100	38
39	--	--	--			800 VA	800 VA			--	--	--	40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
		Total Load:		12960 VA		12800 VA		11360 VA					
		Total...		110 A		109 A		95 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPTACLE	37120 VA	63,47%	23560 VA		
				Total Conn. Load:	37120 VA
				Total Est. Demand:	23560 VA
				Total Conn.:	103 A
				Total Est. Demand:	65 A

Notes:

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Oklahoma City, OK 73118-7436
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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC.

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA 10/27/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

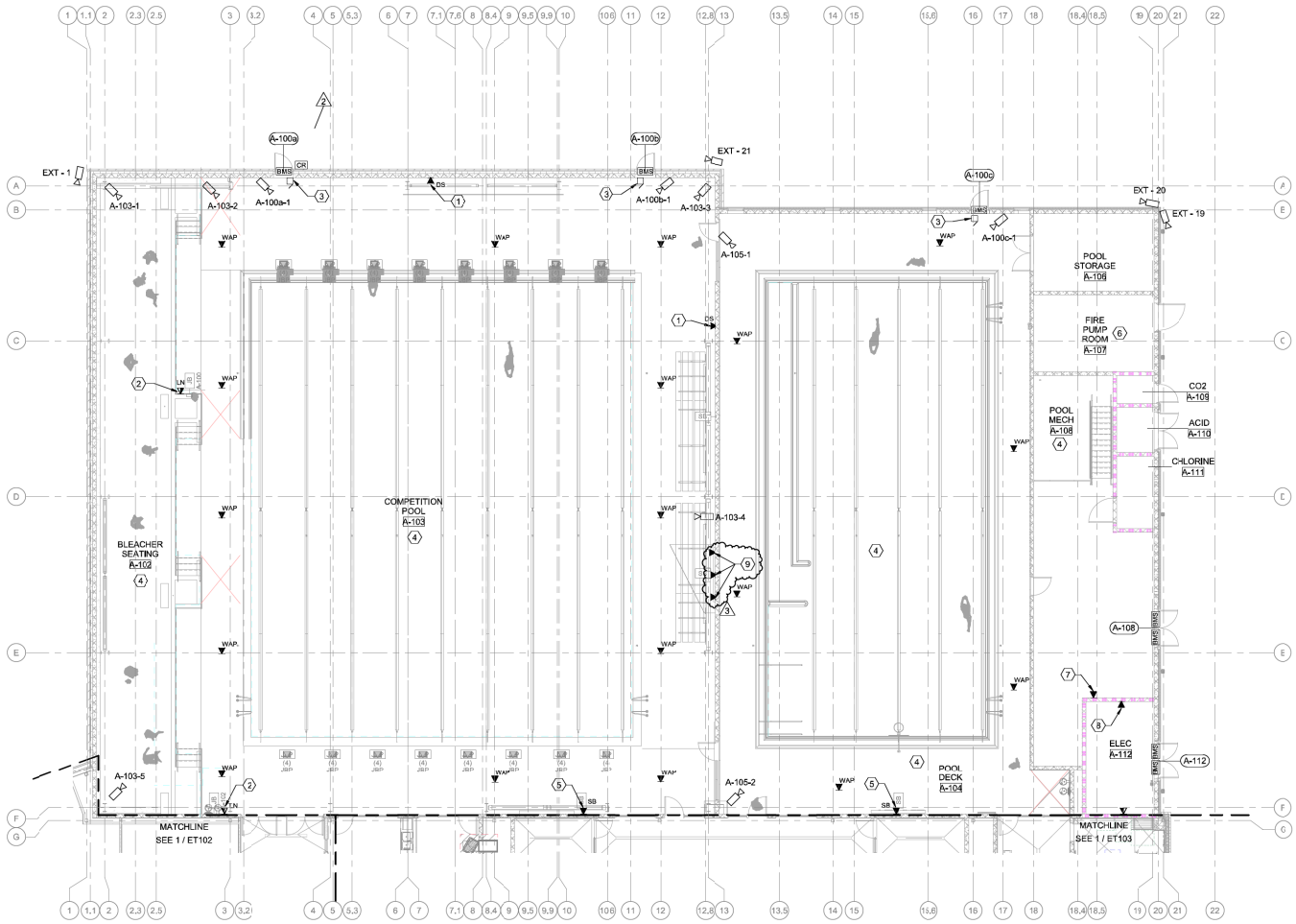
5	PR-45R2	05/12/2022
4	PR-02R1	08/09/2021
3	PR-11	05/31/2022
2	ADDENDUM 06	01/13/2022
1	ADDENDUM 05	12/06/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:
DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: PANEL SCHEDULES
ISSUE DATE: 10/27/2021
SHEET NUMBER: EP704

BID PACKAGE 5

5/12/2022 4:33:56 PM
BIM 360://City of Norman - Young Family Athletics Center/R06/01_Elec.rvt

Item 24.



1 GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR A
SCALE: 1/8" = 1'-0"

ALL TELECOMMUNICATIONS, ACCESS CONTROLS, AND CCTV WORK DEPICTED ON THIS SHEET SHALL BE ASSOCIATED WITH **SEGMENT #1 (GENERAL FACILITY).**

0 4' 8' 16'
1/8" = 1'-0"

N

PROJECT KEYPLAN

GENERAL NOTES

A. ANY DIMENSIONS SHOWN ON THESE DRAWINGS ARE INTENDED TO PROVIDE A GENERAL LOCATION AS REQUESTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS PRIOR TO ROUGH-IN AND IMMEDIATELY REPORT ANY CONFLICTS WITH THE OUTLET PLACEMENT TO THE OWNER'S REPRESENTATIVE.
B. ALL CABLE BUNDLES WILL BE SUPPORTED EVERY 48" OC WITH A J-HOOK OR OTHER APPROVED PATHWAY DEVICE. REFERENCE SPECIFICATIONS AND DETAILS FOR ADDITIONAL CABLING PATHWAY INSTALLATION REQUIREMENTS. CONTRACTOR WHO VIOLATES THESE REQUIREMENTS WILL BE REQUIRED TO REPLACE THE AFFECTED CABLE PLANT AT THEIR EXPENSE.
C. PLASTIC TIE WRAPS ARE NOT PERMITTED AT ANY TIME ON THIS INSTALLATION. ALL CABLE ROUGH-IN AND DRESS-OUT WILL BE WITH HOOK AND LOOP STRAPS ONLY. ALL CABLES BUNDLED WITH PLASTIC TIE WRAPS SHALL BE IMMEDIATELY REPLACED AT THE CONTRACTOR'S EXPENSE.
D. DO NOT INSTALL ANY CABLES IN ANY CONDUIT SLEEVE, STUB UP, OR WALL CAP WITHOUT A PROTECTIVE BUSHING. CABLES PULLED INTO UNPROTECTED CONDUITS WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. DO NOT INSTALL ANY CABLING INTO ANY CONDUIT THAT HAS NOT BEEN CONFIRMED TO BE BLOWN CLEAR. COORDINATE PATHWAYS AND CABLING PRIOR TO ROUGH-IN.
E. ANY CABLING FOUND PAINTED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE PAINTING AND STRUCTURAL CABLING.
F. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REFERENCE BOTH THE PROJECT DRAWINGS AND THE PROJECT SPECIFICATIONS, TOGETHER THEY FORM THE COMPLETE CONTRACT DOCUMENTS. PLEASE REFERENCE THE PROJECT SPECIFICATIONS FOR ALL MATERIALS, EQUIPMENT AND COMPONENTS NOT INDICATED ON THE DRAWING SET.
G. CONTRACTOR SHALL COORDINATE ALL FINAL CAMERA LOCATIONS, HEIGHTS AND CAMERA VIEWING ANGLES WITH OWNER/OWNER'S REPRESENTATIVE. FAILURE TO COORDINATE ALL FINAL CAMERA LOCATIONS, HEIGHTS AND VIEW ANGLES MAY REQUIRE RELOCATION OF CONDUITS, CABLE AND CAMERA LOCATIONS AT CONTRACTOR'S EXPENSE.
H. CONTRACTOR SHALL COORDINATE TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL LOCATIONS SO THAT DATA AND POWER ARE AT THE SAME HEIGHT AND SPACED 16"-24" APART UNLESS SPECIFIED OTHERWISE. REFERENCE TECHNOLOGY AND MEP SHEETS FOR COORDINATION.
I. ALL CABLING INSTALLED IN AREAS WITH EXPOSED CEILINGS SHALL BE INSTALLED IN A PROPERLY SIZED CONDUIT PATHWAY. CONDUIT PATHWAYS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. THE CONDUIT MAY BE PAINTED TO MATCH CEILING COLOR AS DIRECTED BY THE CONTRACT DOCUMENTS.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR STOPPING ALL TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL CONDUIT PENETRATIONS FROM WATER OR RODENT INGRESS IN ALL BUILDINGS UPON COMPLETION OF THE PROJECT.
K. ALL ACCESS CONTROL IDS & CCTV CONDUTS SHALL BE HOME RUN BACK TO THE NEAREST COMMUNICATION CLOSET THAT IS ASSOCIATED WITH IT'S SEGMENT.

SHEET KEYNOTES

1. TELECOMMUNICATIONS OUTLET FOR WALL MOUNTED VIDEO DISPLAY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH VIDEO DISPLAY INSTALLER.
2. TELECOMMUNICATIONS OUTLET FOR LANE TIMING SYSTEM. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH LANE TIMING SYSTEM INSTALLER. PROVIDE QUANTITY OF CAT6 DROPS REQUIRED FOR THE PROPER OPERATION OF THE LANE TIMING SYSTEM. COORDINATE WITH LANE TIMING SYSTEM INSTALLER TO DETERMINE THE APPROPRIATE QUANTITY OF CAT6 DROPS.
3. DOOR BUZZER.
4. ALL TELECOMMUNICATIONS, ACCESS CONTROLS, AND CCTV CABLING IN POOL AREAS SHALL BE IN CONDUIT.
5. TELECOMMUNICATIONS OUTLET FOR SCOREBOARD DISPLAY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH SCOREBOARD DISPLAY INSTALLER. PROVIDE QUANTITY OF CAT6 DROPS REQUIRED FOR THE PROPER OPERATION OF THE SCOREBOARD SYSTEM. COORDINATE WITH SCOREBOARD INSTALLER TO DETERMINE THE APPROPRIATE QUANTITY OF CAT6 DROPS.
6. PROVIDE AND INSTALL CAT6 DROPS AS REQUIRED TO SUPPORT FIRE PROTECTION/FIRE ALARM SYSTEMS. COORDINATE WITH FIRE PROTECTION/FIRE ALARM INSTALLER REGARDING QUANTITY AND LOCATION OF REQUIRED CAT6 DROPS. HORIZONTAL CABLING RUNS ASSOCIATED WITH THE FIRE - PROTECTION/ALARM SYSTEMS SHALL BE ROUTED DIRECTLY TO THE BUILDING MAIN CROSS - CONNECT ASSOCIATED WITH SEGMENT #1 (GENERAL FACILITY).
7. PROVIDE TELECOMMUNICATIONS OUTLETS WITH CAT6 DROPS AS REQUIRED TO FULLY SUPPORT THE POOL MECHANICAL SYSTEMS CONTROLS. COORDINATE WITH THE POOL MECHANICAL SYSTEMS CONTROLS INSTALLER FOR EXACT OUTLET LOCATIONS AS WELL AS THE QUANTITY OF CAT6 DROPS REQUIRED AT EACH OUTLET LOCATION.
8. PROVIDE TELECOMMUNICATIONS OUTLETS WITH CAT6 DROPS AS REQUIRED TO FULLY SUPPORT THE BUILDING AUTOMATION CONTROLS SYSTEM. COORDINATE WITH THE BUILDING AUTOMATION CONTROLS SYSTEM INSTALLER FOR EXACT OUTLET LOCATIONS AS WELL AS THE QUANTITY OF CAT6 DROPS REQUIRED AT EACH OUTLET LOCATION.
9. INSTALL ETHERNET CAT5 SHIELDED CABLES PER VIDEOBOARD ROW (QTY 3, CONFIRM NUMBER OF REQUIRED DROPS WITH INSTALLER). COORDINATE DATA DROPS LOCATIONS WITH VIDEOBOARD INSTALLER. CABLES SHALL BE HOMERUN BACK TO TELECOM ROOM B-110.

337
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405.840.2931 | fsb-ae.com
BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI WATER TECHNOLOGY, INC
LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA 11/15/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

3	PR-45R2	05/12/2022
2	PR-035	10/18/2022
1	ADDENDUM 06	12/06/2021
△	DESCRIPTION	DATE

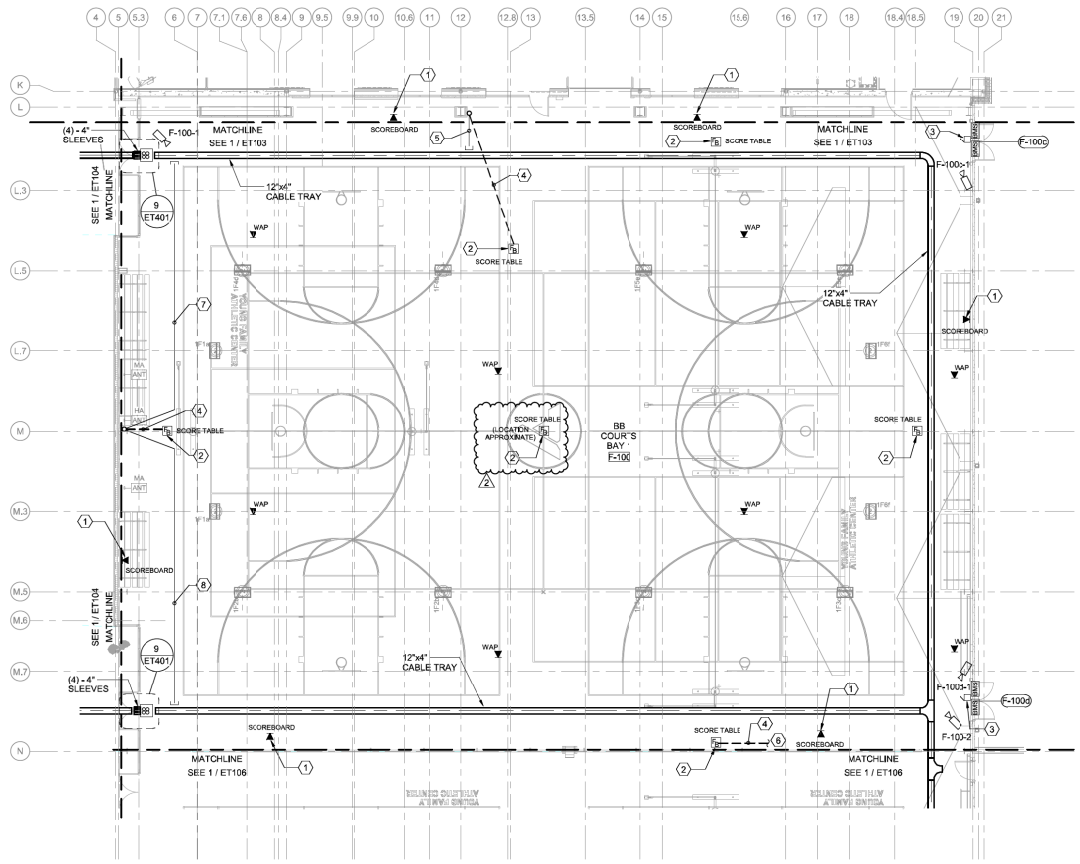
PROJECT INFORMATION:

DESIGNED BY: MBK
DRAWN BY: MBK
REVIEWED BY: JTL
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR A
ISSUE DATE: 10/27/2021
SHEET NUMBER: ET101

BID PACKAGE 5

5/12/2023 1:25:55 PM
BIM 360://City of Norman - Young Family Athletics Center/R9000_Sector.rvt

Item 24.



1 GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR F

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

SHEET KEYNOTES

1. TELECOMMUNICATIONS OUTLET FOR SCOREBOARD DISPLAY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH SCOREBOARD DISPLAY INSTALLER. PROVIDE QUANTITY OF CAT6 DROPS REQUIRED FOR THE PROPER OPERATION OF THE SCOREBOARD SYSTEM. COORDINATE WITH SCOREBOARD INSTALLER TO DETERMINE THE APPROPRIATE QUANTITY OF CAT6 DROPS.
2. GYM FLOOR BOX. 9-GANG RECESSED ON-GRADE FLOOR BOX; 14-5/16" LONG X 12-1/8" WIDE BY 4-1/8" DEEP. BOX SHALL HAVE ONE 6-GANG COMPARTMENT FOR COMMUNICATIONS AND THREE 1-GANG COMPARTMENTS SUITABLE FOR EITHER POWER OR COMMUNICATIONS. THE BOX COVER SHALL BE FLUSH WITH GYM FLOOR, SHALL CONSIST OF A CAST ALUMINUM ASSEMBLY, AND SHALL HAVE A MAXIMUN LOAD CAPACITY OF 3000 LBS. UTILIZE AN ADJUSTABLE SLEEVE ASSEMBLY TO ALLOW THE TOP OF THE FLOOR BOX COVER TO BE LEVEL WITH THE GYM FLOOR SURFACE. BASIS OF DESIGN: FLOOR BOX- LEGRAND WIREMOLD RFB9-OG OR EQUAL; COVER - LEGRAND WIREMOLD RFB 119BTC™ OR EQUAL; ADJUSTABLE SLEEVE ASSEMBLY - LEGRAND WIREMOLD RFB 119-SL OR EQUAL. INSTALL FLOOR BOX AND SLEEVE ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REFERENCE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS. REFERENCE AV DRAWINGS FOR AV REQUIREMENTS. FOR TELECOMMUNICATIONS, INCLUDE (1) - 1 GANG 4 PORT FACEPLATE WITH (4) - CAT6 RJ45 JACKS, RUN (1) - 1" CONDUIT WITH (4) - CAT6 WET LOCATION/PLENUM RATED HORIZONTAL CABLES FROM THE FLOOR BOX TO THE BASKET TRAY ABOVE. CONTINUE HORIZONTAL CABLING TO LOCAL HORIZONTAL CROSS-CONNECT. IN ADDITION, RUN (2) 1-1/4" CONDUITS WITH PULL STRING FROM FLOOR BOX TO BASKET TRAY SYSTEM ABOVE. TERMINATE ALL CONDUITS USING PLASTIC BUSHINGS. CONFIRM EXACT FLOOR BOX LOCATION WITH OWNER. IN SOME CASES THE CONDUIT SHALL BE RUN DIRECTLY TO A LOCAL TELECOMMUNICATIONS ROOM AS INDICATED.
3. DOOR BUZZER.
4. (2) 1-1/4" CONDUITS AND (1) - 1" CONDUIT RUN UNDER FINISHED FLOOR. ROUTING DEPICTED IS DIAGRAMATIC ONLY. REFERENCE KEYNOTE 2 ON THIS SHEET.
5. (2) 1-1/4" CONDUITS AND (1) - 1" CONDUIT RUN OVERHEAD. ROUTING DEPICTED IS DIAGRAMATIC ONLY. REFERENCE KEYNOTE 2 ON THIS SHEET.
6. ROUTE CONDUIT TO COMM G-102. STUB UP CONDUITS IN COMM G-102.
7. (1) 1-1/4" CONDUIT ROUTED OVERHEAD. ROUTING DEPICTED IS DIAGRAMATIC ONLY. REFERENCE KEYNOTE 2 ON THIS SHEET.
8. (1) 1-1/4" CONDUIT AND (1) - 1" CONDUIT RUN OVERHEAD. ROUTING DEPICTED IS DIAGRAMATIC ONLY. REFERENCE KEYNOTE 2 ON THIS SHEET.

GENERAL NOTES

A. ANY DIMENSIONS SHOWN ON THESE DRAWINGS ARE INTENDED TO PROVIDE A GENERAL LOCATION AS REQUESTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS PRIOR TO ROUGH-IN AND IMMEDIATELY REPORT ANY CONFLICTS WITH THE OUTLET PLACEMENT TO THE OWNER'S REPRESENTATIVE.
B. ALL CABLE BUNDLES WILL BE SUPPORTED EVERY 48" OC WITH A J-HOOK OR OTHER APPROVED PATHWAY DEVICE. REFERENCE SPECIFICATIONS AND DETAILS FOR ADDITIONAL CABLING PATHWAY INSTALLATION REQUIREMENTS. CONTRACTOR WHO VIOLATES THESE REQUIREMENTS WILL BE REQUIRED TO REPLACE THE AFFECTED CABLE PLANT AT THEIR EXPENSE.
C. PLASTIC TIE WRAPS ARE NOT PERMITTED AT ANY TIME ON THIS INSTALLATION. ALL CABLE ROUGH-IN AND DRESS-OUT WILL BE WITH HOOK AND LOOP STRAPS ONLY. ALL CABLES BUNDLED WITH PLASTIC TIE WRAPS SHALL BE IMMEDIATELY REPLACED AT THE CONTRACTOR'S EXPENSE.
D. DO NOT INSTALL ANY CABLES IN ANY CONDUIT SLEEVE, STUB UP, OR WALL CAP WITHOUT A PROTECTIVE BUSHING. CABLES PULLED INTO UNPROTECTED CONDUITS WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. DO NOT INSTALL ANY CABLING INTO ANY CONDUIT THAT HAS NOT BEEN CONFIRMED TO BE BLOWN CLEAR. COORDINATE PATHWAYS AND CABLING PRIOR TO ROUGH-IN.
E. ANY CABLING FOUND PAINTED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE PAINTING AND STRUCTURAL CABLING.
F. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REFERENCE BOTH THE PROJECT DRAWINGS AND THE PROJECT SPECIFICATIONS, TOGETHER THEY FORM THE COMPLETE CONTRACT DOCUMENTS. PLEASE REFERENCE THE PROJECT SPECIFICATIONS FOR ALL MATERIALS, EQUIPMENT AND COMPONENTS NOT INDICATED ON THE DRAWING SET.
G. CONTRACTOR SHALL COORDINATE ALL FINAL CAMERA LOCATIONS, HEIGHTS AND CAMERA VIEWING ANGLES WITH OWNER/OWNER'S REPRESENTATIVE. FAILURE TO COORDINATE ALL FINAL CAMERA LOCATIONS, HEIGHTS AND VIEW ANGLES MAY REQUIRE RELOCATION OF CONDUITS, CABLE AND CAMERA LOCATIONS AT CONTRACTOR'S EXPENSE.
H. CONTRACTOR SHALL COORDINATE TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL LOCATIONS SO THAT DATA AND POWER ARE AT THE SAME HEIGHT AND SPACED 16"-24" APART UNLESS SPECIFIED OTHERWISE. REFERENCE TECHNOLOGY AND MEP SHEETS FOR COORDINATION.
I. ALL CABLING INSTALLED IN AREAS WITH EXPOSED CEILINGS SHALL BE INSTALLED IN A PROPERLY SIZED CONDUIT PATHWAY. CONDUIT PATHWAYS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. THE CONDUIT MAY BE PAINTED TO MATCH CEILING COLOR AS DIRECTED BY THE CONTRACT DOCUMENTS.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR STOPPING ALL TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL CONDUIT PENETRATIONS FROM WATER OR RODENT INGRESS IN ALL BUILDINGS UPON COMPLETION OF THE PROJECT.
K. ALL ACCESS CONTROL IDS & CCTV CONDUTS SHALL BE HOME RUN BACK TO THE NEAREST COMMUNICATION CLOSET THAT IS ASSOCIATED WITH IT'S SEGMENT.

ALL TELECOMMUNICATIONS, ACCESS CONTROLS, AND CCTV WORK DEPICTED ON THIS SHEET SHALL BE ASSOCIATED WITH **SEGMENT #1 (GENERAL FACILITY).**

0 4' 8' 16'
1/8" = 1'-0"

PROJECT KEYPLAN

338
FSB
5801 Broadway Extension, Suite 500
Oklahoma City, OK 73118-7436
405.840.2931 | fsb-ae.com
BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI WATER TECHNOLOGY, INC
LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA 10/27/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

2	PR-45R2	05/12/2022
1	ADDENDUM 06	12/06/2021
△	DESCRIPTION	DATE

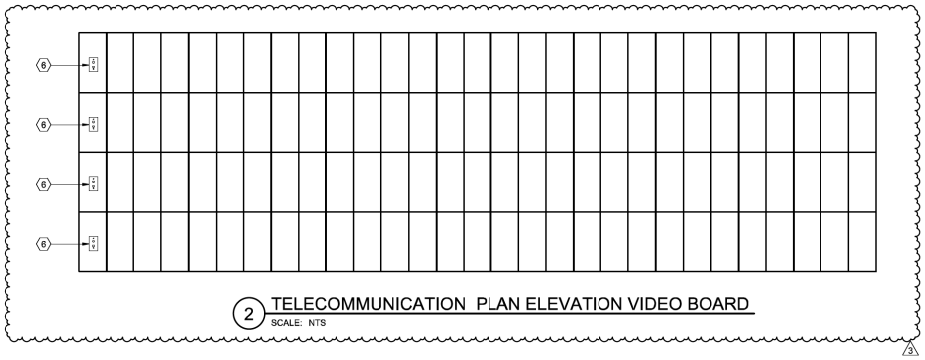
PROJECT INFORMATION:

DESIGNED BY: MBK
DRAWN BY: MBK
REVIEWED BY: JTL
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR F
ISSUE DATE: 10/27/2021
SHEET NUMBER: ET105

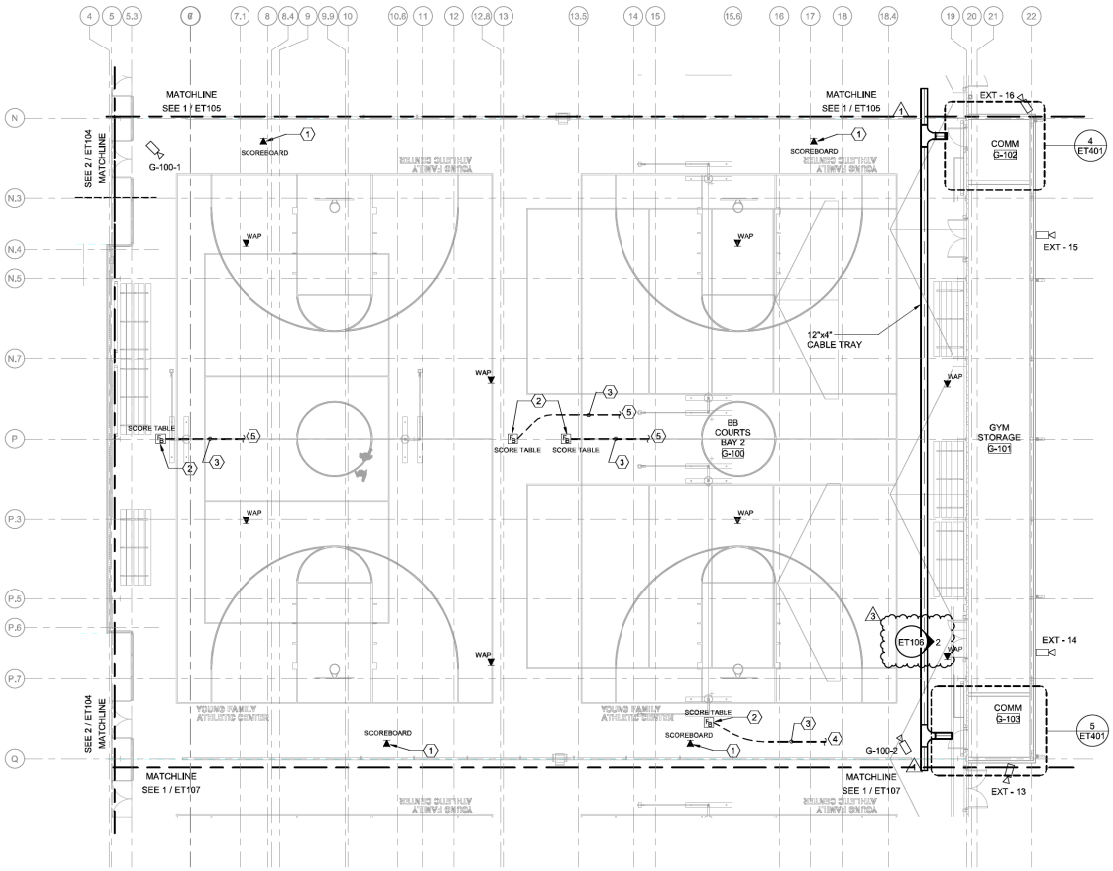
BID PACKAGE 5

5/12/2023 1:26:30 PM
BIM 360:/City of Norman - Young Family Athletics Center/R23/ET_Sector.rvt

Item 24.



2 TELECOMMUNICATION PLAN ELEVATION VIDEO BOARD
SCALE: NTS



1 GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR G
SCALE: 1/8" = 1'-0"

SHEET KEYNOTES

1. TELECOMMUNICATIONS OUTLET FOR SCOREBOARD DISPLAY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH SCOREBOARD DISPLAY INSTALLER. PROVIDE QUANTITY OF CAT6 DRCPS REQUIRED FOR THE PROPER OPERATION OF THE SCOREBOARD SYSTEM. COORDINATE WITH SCOREBOARD INSTALLER TO DETERMINE THE APPROPRIATE QUANTITY OF CAT6 DRCPS.
2. GYM FLOOR BOX. 9-GANG RECESSED ON-GRADE FLOOR BOX; 14-5/16" LONG X 12-1/8" WIDE BY 4-1/8" DEEP. BOX SHALL HAVE ONE 6-GANG COMPARTMENT FOR COMMUNICATIONS AND THREE 1-GANG COMPARTMENTS SUITABLE FOR EITHER POWER OR COMMUNICATIONS. THE BOX COVER SHALL BE FLUSH WITH GYM FLOOR, SHALL CONSIST OF A CAST ALUMINUM ASSEMBLY, AND SHALL HAVE A MAXIMUN LOAD CAPACITY OF 3000 LBS. UTILIZE AN ADJUSTABLE SLEEVE ASSEMBLY TO ALLOW THE TOP OF THE FLOOR BOX COVER TO BE LEVEL WITH THE GYM FLOOR SURFACE. BASIS OF DESIGN: FLOOR BOX- LEGRAND WIREMOLD RFB9-OG OR EQUAL; COVER - LEGRAND WIREMOLD RFB 119BTC™ OR EQUAL; ADJUSTABLE SLEEVE ASSEMBLY - LEGRAND WIREMOLD RFB 119-SL OR EQUAL. INSTALL FLOOR BOX AND SLEEVE ASSEMBLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REFERENCE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS. REFERENCE AV DRAWINGS FOR AV REQUIREMENTS. FOR TELECOMMUNICATIONS, INCLUDE (1) - 1 GANG 4 PORT FACEPLATE WITH (4) - CAT6 RJ45 JACKS, RUN (1) - 1" CONDUIT WITH (4) - CAT6 WET LOCATION/PLENUM RATED HORIZONTAL CABLES FROM THE FLOOR BOX TO THE BASKET TRAY ABOVE. CONTINUE HORIZONTAL CABLING TO LOCAL HORIZONTAL CROSS-CONNECT, IN ADDITION, RUN (2) 1-1/4" CONDUITS WITH PULL STRING FROM FLOOR BOX TO BASKET TRAY SYSTEM ABOVE. TERMINATE ALL CONDUITS USING PLASTIC BUSHINGS. CONFIRM EXACT FLOOR BOX LOCATION WITH OWNER. IN SOME CASES THE CONDUIT SHALL BE RUN DIRECTLY TO A LOCAL TELECOMMUNICATIONS ROOM AS INDICATED.
3. (2) 1-1/4" CONDUITS AND (1) - 1" CONDUIT RUN UNDER FINISHED FLOOR. ROUTING DEPICTED IS DIAGRAMATIC ONLY. REFERENCE KEYNOTE 2 ON THIS SHEET.
4. ROUTE CONDUIT TO COMM G-103. STUB UP CONDUIT IN COMM G-103.
5. ROUTE (1) 1-1/4" CONDUIT TO COMM G-103. ROUTE THE REMAINING (1) 1-1/4" CONDUIT AND THE (1) - 1" CONDUIT TO COMM G-102. STUB UP CONDUITS IN ASSOCIATED COMM ROOMS.
6. (2) - PORT TELECOMMUNICATIONS OUTLET WITH (2) - CAT5 SHIELDED RJ-45 JACKS. OUTLET SHALL BE FOR USE WITH VIDEO BOARD. (1) - JACK SHALL BE CONSIDERED "MAIN" AND THE OTHER SHALL BE CONSIDERED REDUNDANT. COORDINATE EXACT LOCATION WITH VIDEO BOARD INSTALLER. HOMERUN (2) - CAT5 SHIELDED HORIZONTAL CABLES BACK TO HORIZONTAL CROSS-CONNECT IN TELECOM ROOM G-103.

GENERAL NOTES

A. ANY DIMENSIONS SHOWN ON THESE DRAWINGS ARE INTENDED TO PROVIDE A GENERAL LOCATION AS REQUESTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS PRIOR TO ROUGH-IN AND IMMEDIATELY REPORT ANY CONFLICTS WITH THE OUTLET PLACEMENT TO THE OWNER'S REPRESENTATIVE.
B. ALL CABLE BUNDLES WILL BE SUPPORTED EVERY 48" OC WITH A J-HOOK OR OTHER APPROVED PATHWAY DEVICE. REFERENCE SPECIFICATIONS AND DETAILS FOR ADDITIONAL CABLING PATHWAY INSTALLATION REQUIREMENTS. CONTRACTOR WHO VIOLATES THESE REQUIREMENTS WILL BE REQUIRED TO REPLACE THE AFFECTED CABLE PLANT AT THEIR EXPENSE.
C. PLASTIC TIE WRAPS ARE NOT PERMITTED AT ANY TIME ON THIS INSTALLATION. ALL CABLE ROUGH-IN AND DRESS-OUT WILL BE WITH HOOK AND LOOP STRAPS ONLY. ALL CABLES BUNDLED WITH PLASTIC TIE WRAPS SHALL BE IMMEDIATELY REPLACED AT THE CONTRACTOR'S EXPENSE.
D. DO NOT INSTALL ANY CABLES IN ANY CONDUIT SLEEVE, STUB UP, OR WALL CAP WITHOUT A PROTECTIVE BUSHING. CABLES PULLED INTO UNPROTECTED CONDUITS WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. DO NOT INSTALL ANY CABLING INTO ANY CONDUIT THAT HAS NOT BEEN CONFIRMED TO BE BLOWN CLEAR. COORDINATE PATHWAYS AND CABLING PRIOR TO ROUGH-IN.
E. ANY CABLING FOUND PAINTED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE PAINTING AND STRUCTURAL CABLING.
F. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REFERENCE BOTH THE PROJECT DRAWINGS AND THE PROJECT SPECIFICATIONS, TOGETHER THEY FORM THE COMPLETE CONTRACT DOCUMENTS. PLEASE REFERENCE THE PROJECT SPECIFICATIONS FOR ALL MATERIALS, EQUIPMENT AND COMPONENTS NOT INDICATED ON THE DRAWING SET.
G. CONTRACTOR SHALL COORDINATE ALL FINAL CAMERA LOCATIONS, HEIGHTS AND CAMERA VIEWING ANGLES WITH OWNER/OWNER'S REPRESENTATIVE. FAILURE TO COORDINATE ALL FINAL CAMERA LOCATIONS, HEIGHTS AND VIEW ANGLES MAY REQUIRE RELOCATION OF CONDUITS, CABLE AND CAMERA LOCATIONS AT CONTRACTOR'S EXPENSE.
H. CONTRACTOR SHALL COORDINATE TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL LOCATIONS SO THAT DATA AND POWER ARE AT THE SAME HEIGHT AND SPACED 16"-24" APART UNLESS SPECIFIED OTHERWISE. REFERENCE TECHNOLOGY AND MEP SHEETS FOR COORDINATION.
I. ALL CABLING INSTALLED IN AREAS WITH EXPOSED CEILINGS SHALL BE INSTALLED IN A PROPERLY SIZED CONDUIT PATHWAY. CONDUIT PATHWAYS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. THE CONDUIT MAY BE PAINTED TO MATCH CEILING COLOR AS DIRECTED BY THE CONTRACT DOCUMENTS.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR STOPPING ALL TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL CONDUIT PENETRATIONS FROM WATER OR RODENT INGRESS IN ALL BUILDINGS UPON COMPLETION OF THE PROJECT.
K. ALL ACCESS CONTROL IDS & CCTV CONDUITS SHALL BE HOME RUN BACK TO THE NEAREST COMMUNICATION CLOSET THAT IS ASSOCIATED WITH IT'S SEGMENT.

ALL TELECOMMUNICATIONS, ACCESS CONTROLS, AND CCTV WORK DEPICTED ON THIS SHEET SHALL BE ASSOCIATED WITH **SEGMENT #1 (GENERAL FACILITY).**

0 4' 8' 16'
1/8" = 1'-0"

N

PROJECT KEYPLAN

339

FSB
5801 Broadway Extension, Suite 500
Oklahoma City, OK 73118-7436
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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA
11/17/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

#	DESCRIPTION	DATE
3	PR-45R2	05/12/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021

PROJECT INFORMATION:

DESIGNED BY: MBK
DRAWN BY: MBK
REVIEWED BY: JTL
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR G
ISSUE DATE: 10/27/2021
SHEET NUMBER: ET106

BID PACKAGE 5

5/12/2023 1:26:36 PM
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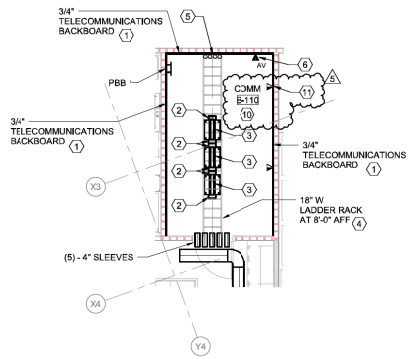
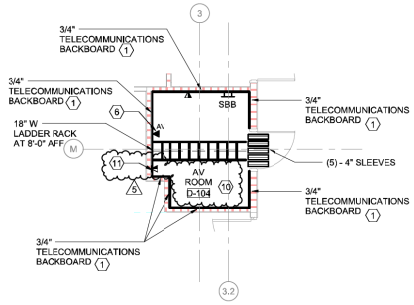
Item 24.



1 COMM ROOM B-110 ENLARGEXD PLAN
SCALE: 1/4" = 1'-0"



2 AV ROOM D-104 ENLARGED PLAN
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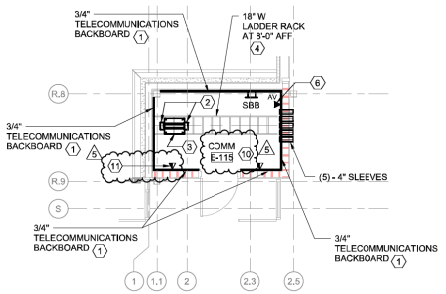

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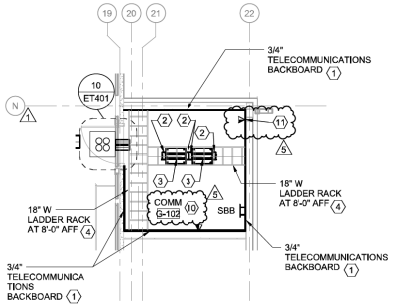

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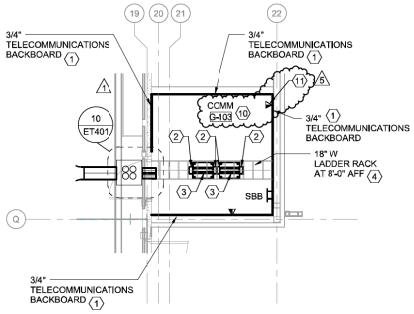
SCALE: 1/4" = 1'-0"



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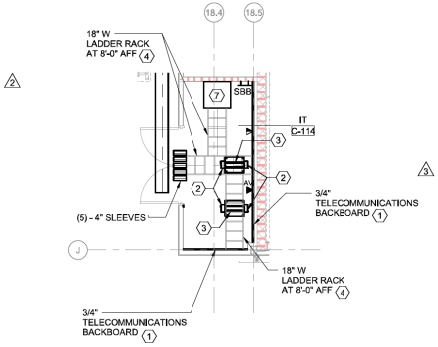
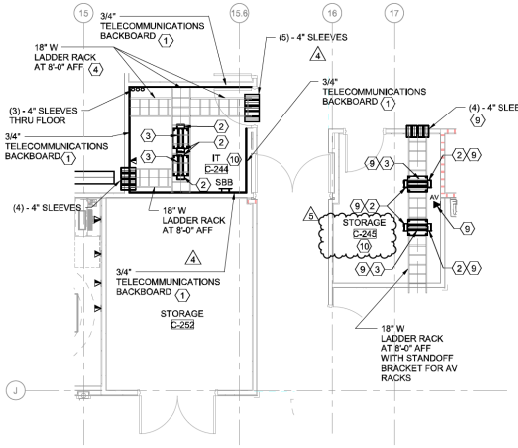
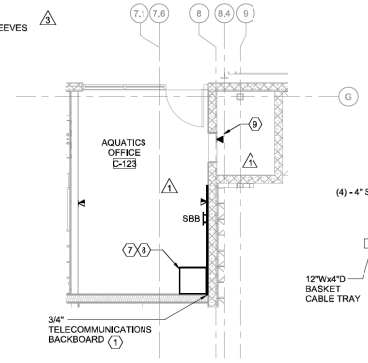
SCALE: 1/4" = 1'-0"



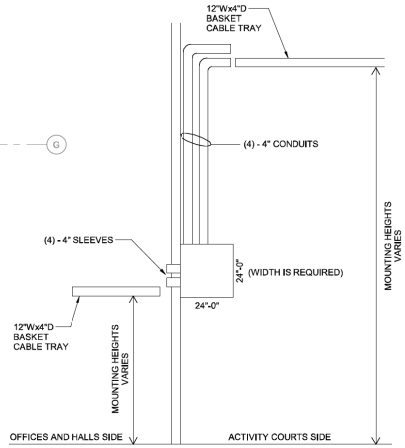
6 IT ROOM C-114 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



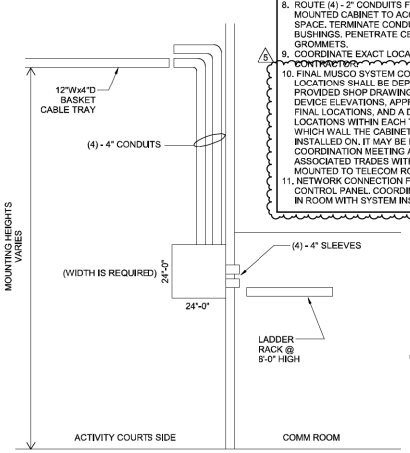
7 IT ROOM C-244 & STORAGE C-245 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



8 AQUATICS OFFICE C-123 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



9 CABLE TRAY SECTION VIEW
SCALE: NTS



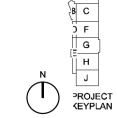
10 CABLE TRAY SECTION VIEW
SCALE: NTS

GENERAL NOTES

A. ANY DIMENSIONS SHOWN ON THESE DRAWINGS ARE INTENDED TO PROVIDE A GENERAL LOCATION AS REQUESTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS PRIOR TO ROUGH-IN AND IMMEDIATELY REPORT ANY CONFLICTS WITH THE OUTLET PLACEMENT TO THE OWNER'S REPRESENTATIVE.
B. ALL CABLE BUNDLES WILL BE SUPPORTED EVERY 48" OC WITH A J-HOOK OR OTHER APPROVED PATHWAY DEVICE. REFERENCE SPECIFICATIONS AND DETAILS FOR ADDITIONAL CABLING PATHWAY INSTALLATION REQUIREMENTS. CONTRACTOR WHO VIOLATES THESE REQUIREMENTS WILL BE REQUIRED TO REPLACE THE AFFECTED CABLE PLANT AT THEIR EXPENSE.
C. PLASTIC TIE WRAPS ARE NOT PERMITTED AT ANY TIME ON THIS INSTALLATION. ALL CABLE ROUGH-IN AND DRESS-OUT WILL BE WITH HOOK AND LOOP STRAPS ONLY. ALL CABLES BUNDLED WITH PLASTIC TIE WRAPS SHALL BE IMMEDIATELY REPLACED AT THE CONTRACTOR'S EXPENSE.
D. DO NOT INSTALL ANY CABLES IN ANY CONDUIT SLEEVE, STUB UP, OR WALL CAP WITHOUT A PROTECTIVE BUSHING. CABLES PULLED INTO UNPROTECTED CONDUITS WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. DO NOT INSTALL ANY CABLING INTO ANY CONDUIT THAT HAS NOT BEEN CONFIRMED TO BE BLOWN CLEAR. COORDINATE PATHWAYS AND CABLING PRIOR TO ROUGH-IN.
E. ANY CABLING FOUND PAINTED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE PAINTING AND STRUCTURAL CABLING.
F. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REFERENCE BOTH THE PROJECT DRAWINGS AND THE PROJECT SPECIFICATIONS, TOGETHER THEY FORM THE COMPLETE CONTRACT DOCUMENTS. PLEASE REFERENCE THE PROJECT SPECIFICATIONS FOR ALL MATERIALS, EQUIPMENT AND COMPONENTS NOT INDICATED ON THE DRAWING SET.
G. CONTRACTOR SHALL COORDINATE ALL FINAL CAMERA LOCATIONS, HEIGHTS AND CAMERA VIEWING ANGLES WITH OWNER/OWNER'S REPRESENTATIVE. FAILURE TO COORDINATE ALL FINAL CAMERA LOCATIONS, HEIGHTS AND VIEW ANGLES MAY REQUIRE RELOCATION OF CONDUITS, CABLE AND CAMERA LOCATIONS AT CONTRACTOR'S EXPENSE.
H. CONTRACTOR SHALL COORDINATE TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL LOCATIONS SO THAT DATA AND POWER ARE AT THE SAME HEIGHT AND SPACED 16"-24" APART UNLESS SPECIFIED OTHERWISE. REFERENCE TECHNOLOGY AND MEP SHEETS FOR COORDINATION.
I. ALL CABLING INSTALLED IN AREAS WITH EXPOSED CEILINGS SHALL BE INSTALLED IN A PROPERLY SIZED CONDUIT PATHWAY. CONDUIT PATHWAYS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. THE CONDUIT MAY BE PAINTED TO MATCH CEILING COLOR AS DIRECTED BY THE CONTRACT DOCUMENTS.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR STOPPING ALL TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL CONDUIT PENETRATIONS FROM WATER OR RODENT INGRESS IN ALL BUILDINGS UPON COMPLETION OF THE PROJECT.
K. ALL ACCESS CONTROL IDS & CCTV CONDUTS SHALL BE HOME RUN BACK TO THE NEAREST COMMUNICATION CLOSET THAT IS ASSOCIATED WITH IT'S SEGMENT.

SHEET KEYNOTES

1. MOUNT BACKBOARD ALONG WALL FROM 6" AFF UP TO 8'-6" AFF.
2. VERTICAL CABLE MANAGER.
3. (1) 2-POST, 19" EIA, 45 RU TELECOMMUNICATIONS RACK.
4. LADDER RACK SHOWN IN LIGHT COLOR FOR CLARITY PURPOSE.
5. (4) - 4" OSP CONDUITS STUBBED UP 3" AFF.
6. TELECOMMUNICATIONS AV OUTLET. SEE DETAIL 7/ET501. COORDINATE EXACT LOCATION WITH AV RACK INSTALLER.
7. WALL MOUNT CABINET; 26 RU; BASIS OF DESIGN IS PANDUIT PZWMC26P OR EQUAL. INCLUDE 20A POWER STRIP (PANDUIT P12B19M OR EQUAL).
8. ROUTE (4) - 2" CONDUITS FROM TOP OF WALL MOUNTED CABINET TO ACCESSIBLE CEILING SPACE. TERMINATE CONDUITS WITH PLASTIC BUSHINGS. PENETRATE CEILING USING BRUSHED GROMMETS.
9. COORDINATE EXACT LOCATION WITH AV CONTRACTOR.
10. FINAL MUSCO SYSTEM CONTROL PANEL LOCATIONS SHALL BE DEPICTED UPON VENDOR-PROVIDED SHOP DRAWINGS COMPLETE WITH DEVICE ELEVATIONS, APPROXIMATE OR DESIRED FINAL LOCATIONS, AND A DIAGRAM SHOWING THE LOCATIONS WITHIN EACH TELECOM ROOM, I.E., WHICH WALL THE CABINETS ARE TO BE INSTALLED ON. IT MAY BE NECESSARY TO HOLD A COORDINATION MEETING AMONG ALL ASSOCIATED TRADES WITH EQUIPMENT TO BE MOUNTED TO TELECOM ROOM WALLS.
11. NETWORK CONNECTION FOR MUSCO SYSTEM CONTROL PANEL. COORDINATE EXACT LOCATION IN ROOM WITH SYSTEM INSTALLER.



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BARKER RINKER SEACAT ARCHITECTURE
JHBR architecture
WTI WATER TECHNOLOGY, INC
LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20555 OKLAHOMA 10/27/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

#	DESCRIPTION	DATE
5	PR-45R2	05/12/2022
4	PR/022	01/06/2022
3	ADDENDUM 06	01/13/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021

PROJECT INFORMATION:
DESIGNED BY: MBK
DRAWN BY: MBK
REVIEWED BY: JTL
PROJECT MANAGER: JJS
PROJECT NUMBER: 2018-069-01
SHEET TITLE: TELECOMMUNICATION ENLARGED PLANS
ISSUE DATE: 10/27/2021
SHEET NUMBER: ET401

BID PACKAGE 5

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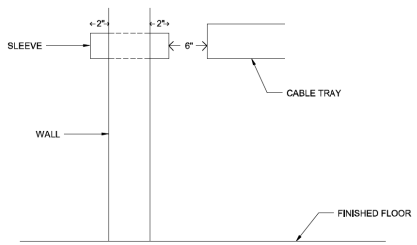
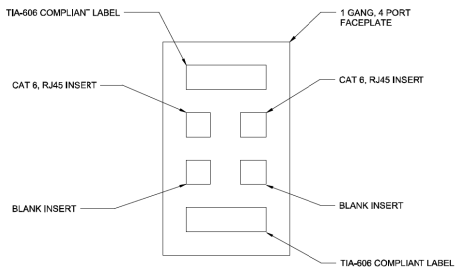
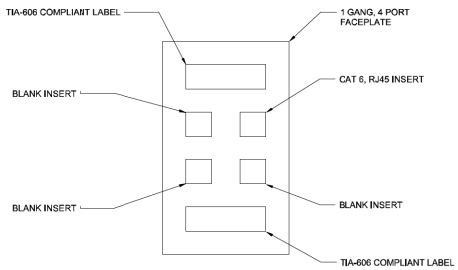
Item 24.



1 TYPICAL SLEEVE THRU WALL DETAIL
SCALE: NTS



2 STANDARD TELECOMMUNICATIONS OUTLET FACEPLATE DETAIL
SCALE: NTS



3 STANDARD DISPLAY OUTLET FACEPLATE DETAIL
SCALE: NTS

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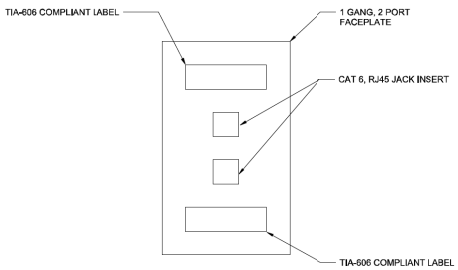
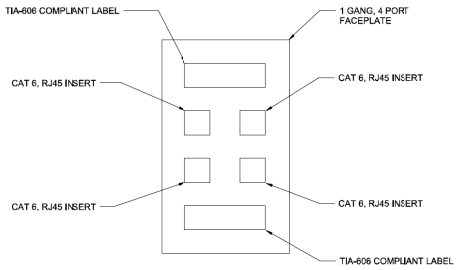


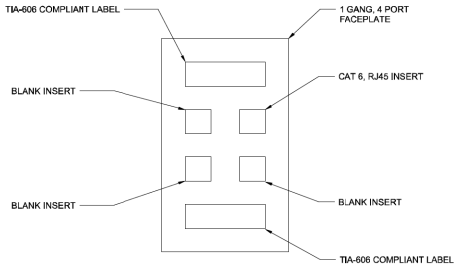
4 STANDARD WAP OUTLET FACE PLATE DETAIL
SCALE: NTS

WAP



5 POOL LANE TIMING SYSTEM OUTLET FACEPLATE DETAIL
SCALE: NTS

LN



6 TYPICAL CCTV OUTLET FACEPLATE DETAIL
SCALE: NTS

CCTV

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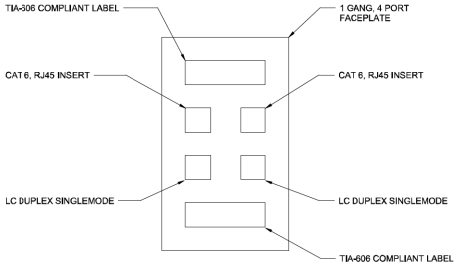

7 TYPICAL AV OUTLET FACEPLATE DETAIL
SCALE: NTS

AV

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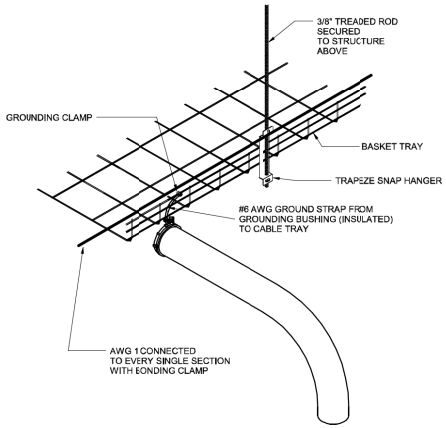
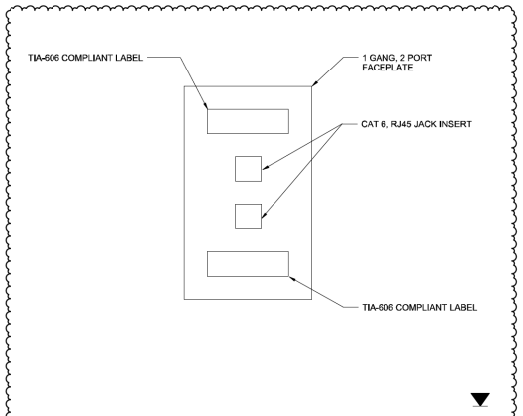


8 TYPICAL CONDUIT CONNECTION TO BASKET TRAY
SCALE NTS



9 STANDARD OUTLET FACE PLATE DETAIL
SCALE: NTS

2

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20655 OKLAHOMA 11/9/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

2	PR-4SR2	05/12/2023
1	ADDENDUM 04	11/12/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: MBK

DRAWN BY: MBK

REVIEWED BY: JTL

PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: TELECOM & SECURITY DETAILS & DIAGRAMS

ISSUE DATE: 10/27/2021

SHEET NUMBER: ET501

BID PACKAGE 5

Proposal Request Transmittal

FSB | 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States

PROJECT	Norman PRD - Multi-Sport & Aquatics FSB2018-069-01	DATE SENT	5/15/2023
SUBJECT	VIDEO BOARD	PROPOSAL REQUEST ID	PR-045 R3
TYPE	Proposal Request	TRANSMITTAL ID	02246
PURPOSE	For Review and Response	VIA	Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Construction Administration	FSB	ca@fsb-ae.com	405-840-2931

TO

NAME	COMPANY	EMAIL	PHONE
Amanda Mascorro	GE Johnson Construction Company United States	Mascorroa@gejohnson.com	
Christopher Blue	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	CBlue@fsb-ae.com	(405) 842-9556 298
Dustin Blalock		dustinblalock@jhbr.com	(405) 526-0280
Kristin Killgore	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	kkillgore@fsb-ae.com	(405) 840-2931 192
Kyle Arnold		ArnoldK@gejohnson.com	
Matt Richardson	GE Johnson Construction Company United States	richardsonm@gejohnson.com	
Meg Paus	FSB	mpaus@fsb-ae.com	(405) 842-

Proposal Request Transmittal

DATE: 5/15/2023
ID: 02246

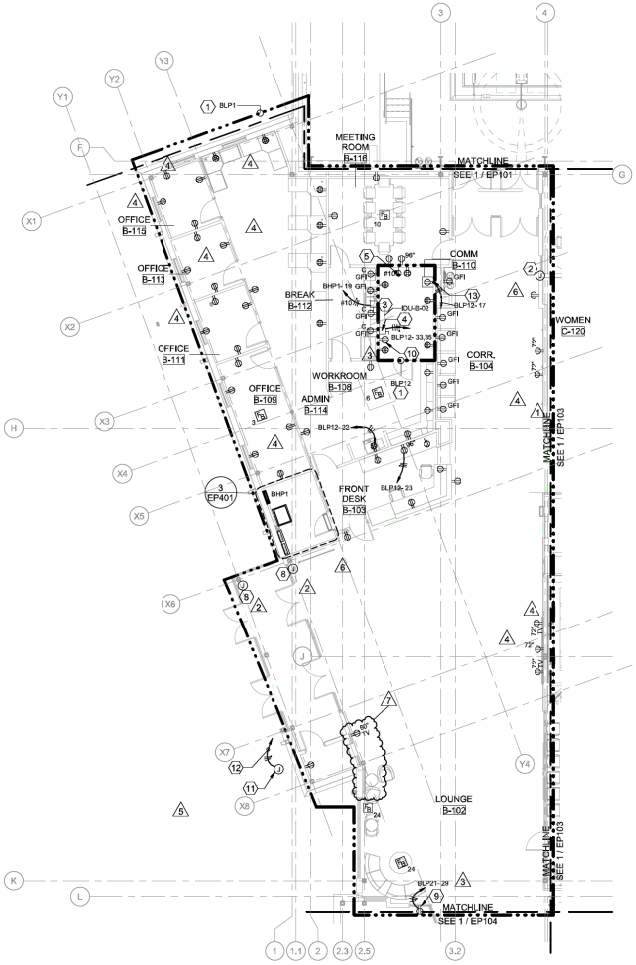
NAME	COMPANY	EMAIL	PHONE
	5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States		9556 265
Shawn Lorg	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	slorg@fsb-ae.com	(405) 842-9556 147
Siddant Jain	GE Johnson Construction Company United States	siddhantj@dpr.com	
Wes Brannon	FSB 5801 Broadway Extension, Suite 500 Oklahoma City OK 73118-7436 United States	wbrannon@fsb-ae.com	(405) 840-2931 289

REMARKS: Please see attached.

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	SCALE	SIZE	NOTES
1	5/15/2023	PR-045R3.pdf				
1	5/15/2023	FSB2018-069-01 - CoN-Young Family Athletics - PR-045-R3 COMBINED DRAWINGS.pdf				

Item 24.



1 ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR B

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

GENERAL NOTES

A. ALL FLOORBOXES SHOWN ON THESE DRAWINGS SHALL BE COORDINATED WITH OWNER AND ARCHITECT FOR EXACT LOCATIONS. CONTRACTOR SHALL SUBMIT DIMENSIONED FLOORBOXES TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL. PROVIDE (1) DUPLEX IN FLOORBOX UNO AND REFER TO ET SHEETS FOR FLOOR BOX BASIS OF DESIGN AND REQUIREMENTS.

SHEET KEYNOTES

1. POWER ALL ELECTRICAL DEVICES TO THIS PANEL UNO. NUMBER NEXT TO ELECTRICAL DEVICE INDICATES CIRCUIT NUMBER IN PANEL.
2. POWER FOR WALL MOUNTED VIDEO DISPLAY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH VIDEO DISPLAY MANUFACTURER.
3. 600V, 30A, 3-POLE, NEMA 1, NF DISCONNECT SWITCH FOR EWH-1.
4. 240V, 30A, NEMA 1, NF DISCONNECT FOR IDU-B-02. COORDINATE EXACT LOCATION WITH MECHANICAL EQUIPMENT.
5. L6-30R FOR COMMUNICATIONS RACK. COORDINATE EXACT LOCATION WITH ET SHEETS.
6. NOT USED.
7. NOT USED.
8. JUNCTION BOX TO POWER DOOR ACCESS CONTROL. COORDINATE EXACT LOCATION WITH DOOR INSTALLER.
9. RECEPTACLES FOR SHOW WINDOWS. RECEPTACLE TO BE MOUNTED NO MORE THAN 18" ABOVE TOP OF GLAZING.
10. RECEPTACLE TO POWER CONDENSATE PUMPS. COORDINATE EXACT LOCATION WITH EQUIPMENT INSTALLER.
11. POWER CONNECTION FOR PEDESTAL SIGN WITH DISCONNECTING MEANS. COORDINATE WITH SIGN INSTALLER FOR EXACT LOCATION. REFER TO ARCHITECTURAL SHEETS OF PR-047 FOR ELECTRICAL BOX LOCATION. COORDINATE WITH SIGN SUPPLIER / INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND SIZE OF BOX NECESSARY TO HOUSE SIGN DRIVERS.
12. CIRCUIT SIGN POWER TO BHP1 IF SIGN REQUIRES 277V CIRCUIT. CIRCUIT TO PANEL BLP12 IF SIGN REQUIRES 120V CIRCUIT. UTILIZE SPARE 3BREAKER. INSTALL PHOTO CELL WITH NEMA 3R CONTACTOR ON ROOF ABOVE ELECTRICAL ROOM TO CONTROL SIGN LIGHTS.
13. CONNECTION FOR MUSCO SYSTEM CONTROL PANEL. COORDINATE EXACT LOCATION IN ROOM WITH SYSTEM INSTALLER.

0 4' 8' 16'
1/8" = 1'-0"

N

PROJECT KEYPLAN

344

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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20656 OKLAHOMA
5/15/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

#	DESCRIPTION	DATE
7	PR-45R3	05/15/2022
6	PR-45R2	05/12/2022
5	PR-047	03/07/2022
4	PR-09	06/24/2021
3	ADDENDUM 06	01/13/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021

PROJECT INFORMATION:

DESIGNED BY: GPN
DRAWN BY: GPN
REVIEWED BY: WCM
PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: ELECTRICAL GROUND FLOOR POWER PLAN - SECTOR B

ISSUE DATE: 10/27/2021

SHEET NUMBER: EP102

BID PACKAGE 5

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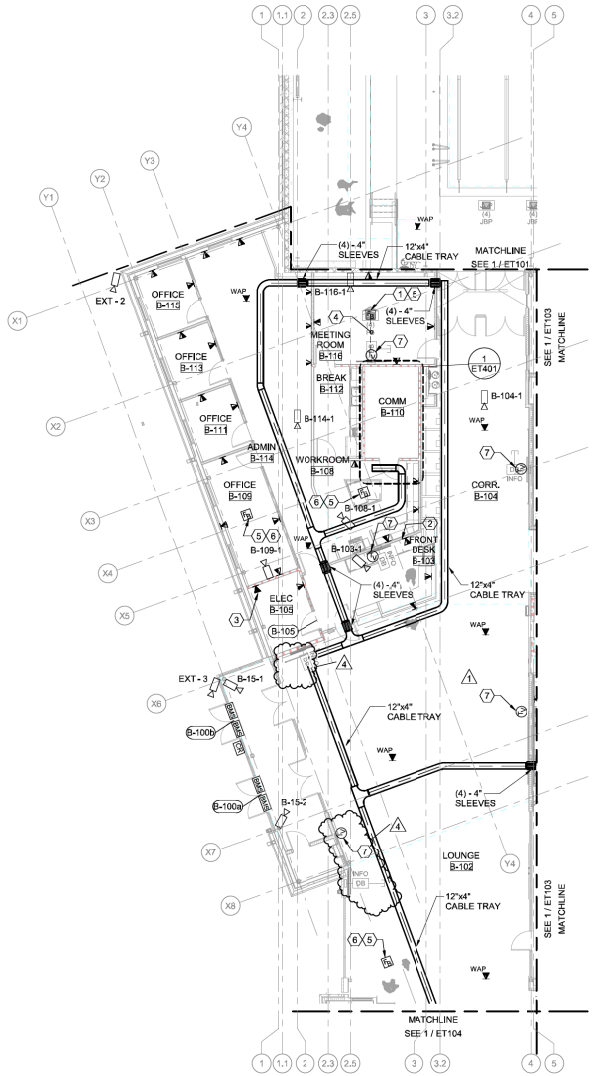
Item 24.



1 GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR B

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

ALL TELECOMMUNICATIONS, ACCESS CONTROLS, AND CCTV WORK DEPICTED ON THIS SHEET SHALL BE ASSOCIATED WITH **SEGMENT #1 (GENERAL FACILITY).**

SHEET KEYNOTES

1. REFERENCE AV DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE INTERNAL PLATE CONFIGURATION AND DEVICE LAYOUT WITH AV INSTALLER. REFERENCE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS. INCLUDE (1) - 4 PORT TELECOMMUNICATIONS FACEPLATE WITH (4) - RJ45 CAT6 JACKS. RUN (1) - 1" CONDUIT FROM FLOOR BOX TO EITHER ACCESSIBLE CEILING AREA OR BASKET TRAY SYSTEM. ROUTE CONDUIT CONCEALED INSIDE WALL WHEN TRANSITIONING FROM BELOW FINISHED FLOOR TO ABOVE CEILING. TERMINATE CONDUIT WITH PLASTIC BUSHING. USE CONDUIT TO ROUTE (4) - CAT6 WET LOCATION LISTED/PLENUM RATED HORIZONTAL CABLES FROM THE FLOOR BOX OUTLET TO THE LOCAL HORIZONTAL CROSS-CONNECT. IN ADDITION, RUN (1) - 1" CONDUIT AND (1) 1-1/4" CONDUIT EACH WITH PULL STRING FROM THE FLOOR BOX TO EITHER AN ACCESSIBLE CEILING AREA OR THE BASKET TRAY SYSTEM. TERMINATE BOTH SPARE CONDUITS WITH A PLASTIC BUSHING.
2. MOUNT TELECOMMUNICATIONS OUTLET AT COUNTER HEIGHT.
3. PROVIDE TELECOMMUNICATIONS OUTLETS WITH CAT6 DROPS AS REQUIRED TO FULLY SUPPORT THE BUILDING AUTOMATION CONTROLS SYSTEM. COORDINATE WITH THE BUILDING AUTOMATION CONTROLS SYSTEM INSTALLER FOR EXACT OUTLET LOCATIONS AS WELL AS THE QUANTITY OF CAT6 DROPS REQUIRED AT EACH OUTLET LOCATION.
4. RUN (1) 1-1/4" CONDUIT WITH PULL STRING BENEATH FINISHED FLOOR FROM THE FLOOR BOX TO THE RECESSED TV BOX.
5. FLOOR BOX: 10"x12"x4" NOMINAL BOX; 10.5"x12.5"x0.125" NOMINAL COVER. BASIS OF DESIGN IS (FSR FL-500P4-B OR EQUAL). IN AREAS WITH CARPET OR TILE FINISH, UTILIZE A 1/4" SQUARED FLANGE COVER WITH A MAX LOAD CAPACITY OF 1,300 LBS [FSR FL-500P-*SQ-C OR EQUAL). COVER SHALL BE UL LISTED SCRUB WATER RATED FOR TILE AND CARPET INSTALLATIONS AND SHALL HAVE A U-ACCESS. IN AREAS WITH NON-CARPET/TILE FLOORING, UTILIZE A SOLID COVER, NO FLANGE, HINGED WITH A MAX LOAD CAPACITY OF 2,500 LBS (FSR FL-50)P-SLD-**-C OR EQUAL). COVER SHALL BE UL LISTED SCRUB WATER RATED WITH NO CARPET TRIM AND A U-ACCESS. UTILIZE SHIM KITS AS REQUIRED FOR NO FLANGE COVER APPLICATIONS (FSR-FL-500 CSK OR EQUAL). UTILIZE GRADE MOUNTING KIT AS REQUIRED (FSR FL-GRD* OR EQUAL). COORDINATE COVER FINISH WITH ARCHITECT. CONFIRM EXACT LOCATION WITH ARCHITECT.
6. FLOOR BOX SHALL INCLUDE (1) - 4 PORT TELECOMMUNICATIONS FACE PLATE WITH (2) - CAT6 RJ45 JACKS AND (2) BLANK INSERTS. ROUTE (1) - 1" CONDUIT WITH (2) CAT6 WET LOCATION LISTED/PLENUM RATED HORIZONTAL CABLES PLUS (1) - 1" SPARE AND (1) 1-1/4" SPARE CONDUITS WITH PULLSTRING FROM THE FLOOR BOX TO AN ACCESSIBLE CEILING AREA OR THE BASKET TRAY SYSTEM. TERMINATE CONDUITS WITH PLASTIC BUSHINGS. CONTINUE HORIZONTAL CABLING TO LOCAL HORIZONTAL CROSS-CONNECT.
7. TV BOXES TO BE FURNISHED BY AV CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.

GENERAL NOTES

A. ANY DIMENSIONS SHOWN ON THESE DRAWINGS ARE INTENDED TO PROVIDE A GENERAL LOCATION AS REQUESTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS PRIOR TO ROUGH-IN AND IMMEDIATELY REPORT ANY CONFLICTS WITH THE OUTLET PLACEMENT TO THE OWNER'S REPRESENTATIVE.
B. ALL CABLE BUNDLES WILL BE SUPPORTED EVERY 48" OC WITH A J-HOOK OR OTHER APPROVED PATHWAY DEVICE. REFERENCE SPECIFICATIONS AND DETAILS FOR ADDITIONAL CABLING PATHWAY INSTALLATION REQUIREMENTS. CONTRACTOR WHO VIOLATES THESE REQUIREMENTS WILL BE REQUIRED TO REPLACE THE AFFECTED CABLE PLANT AT THEIR EXPENSE.
C. PLASTIC TIE WRAPS ARE NOT PERMITTED AT ANY TIME ON THIS INSTALLATION. ALL CABLE ROUGH-IN AND DRESS-OUT WILL BE WITH HOOK AND LOOP STRAPS ONLY. ALL CABLES BUNDLED WITH PLASTIC TIE WRAPS SHALL BE IMMEDIATELY REPLACED AT THE CONTRACTOR'S EXPENSE.
D. DO NOT INSTALL ANY CABLES IN ANY CONDUIT SLEEVE, STUB UP, OR WALL CAP WITHOUT A PROTECTIVE BUSHING. CABLES PULLED INTO UNPROTECTED CONDUITS WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. DO NOT INSTALL ANY CABLING INTO ANY CONDUIT THAT HAS NOT BEEN CONFIRMED TO BE BLOWN CLEAR. COORDINATE PATHWAYS AND CABLING PRIOR TO ROUGH-IN.
E. ANY CABLING FOUND PAINTED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE PAINTING AND STRUCTURAL CABLING.
F. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REFERENCE BOTH THE PROJECT DRAWINGS AND THE PROJECT SPECIFICATIONS, TOGETHER THEY FORM THE COMPLETE CONTRACT DOCUMENTS. PLEASE REFERENCE THE PROJECT SPECIFICATIONS FOR ALL MATERIALS, EQUIPMENT AND COMPONENTS NOT INDICATED ON THE DRAWING SET.
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H. CONTRACTOR SHALL COORDINATE TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL LOCATIONS SO THAT DATA AND POWER ARE AT THE SAME HEIGHT AND SPACED 16"-24" APART UNLESS SPECIFIED OTHERWISE. REFERENCE TECHNOLOGY AND MEP SHEETS FOR COORDINATION.
I. ALL CABLING INSTALLED IN AREAS WITH EXPOSED CEILINGS SHALL BE INSTALLED IN A PROPERLY SIZED CONDUIT PATHWAY. CONDUIT PATHWAYS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. THE CONDUIT MAY BE PAINTED TO MATCH CEILING COLOR AS DIRECTED BY THE CONTRACT DOCUMENTS.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR STOPPING ALL TECHNOLOGY, TELECOM, SECURITY AND AUDIO VISUAL CONDUIT PENETRATIONS FROM WATER OR RODENT INGRESS IN ALL BUILDINGS UPON COMPLETION OF THE PROJECT.
K. ALL ACCESS CONTROL IDS & CCTV CONDUITS SHALL BE HOME RUN BACK TO THE NEAREST COMMUNICATION CLOSET THAT IS ASSOCIATED WITH IT'S SEGMENT.

0 4' 8' 16'
1/8" = 1'-0"

N

A C D F G H E J

PROJECT KEYPLAN

345

FSB

5801 Broadway Extension, Suite 500
Oklahoma City, OK 73118-7436
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BARKER RINKER SEACAT ARCHITECTURE

JHBR architecture

WTI WATER TECHNOLOGY, INC

LICENSED PROFESSIONAL ENGINEER J.T. LITTLE JR. 20656 OKLAHOMA
5/15/23

City of Norman
Young Family Athletics Center
Norman, Oklahoma

REVISION HISTORY:

4	PR-45R3	05/10/2022
3	PR-09	09/24/2022
2	ADDENDUM 05	12/06/2021
1	ADDENDUM 04	11/12/2021
△	DESCRIPTION	DATE

PROJECT INFORMATION:

DESIGNED BY: MBK

DRAWN BY: MBK

REVIEWED BY: JTL

PROJECT MANAGER: JJS

PROJECT NUMBER: 2018-069-01

SHEET TITLE: GROUND FLOOR TELECOMMUNICATION PLAN - SECTOR B

ISSUE DATE: 10/27/2021

SHEET NUMBER: ET102

BID PACKAGE 5

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EXHIBIT B
GMP AMENDMENT NO. 5

LIST OF ALLOWANCES

NO ALLOWANCES ARE INCLUDED OR PART OF THIS GMP AMENDMENT NO. 5

EXHIBIT C
GMP AMENDMENT NO. 5

LIST OF ASSUMPTIONS AND CLARIFICATIONS

1. The Contract Documents indicated a quantity of 50,000 cubic yards of common fill would be available for use by the Earthworks, Site Clearing and Mass Excavation trade contractor/subcontractor. The location of the borrow area for the common fill, as indicated in the Contract Documents, is near the project site. Should the original location on where the 50,000 cubic yards is shown/indicated to be located change, the Final GMP is subject to change and be increased by Change Order for the additional costs, if any, and the costs would be allocated from Construction Contingency or by Owner Change Order.

2. Reference Standard Form of Agreement between Owner and Construction Manager, Contract K-2021-97 dated February 9, 2021, by and between The Norman Municipal Authority and GE Johnson Construction Company, Inc. The following modifications are hereby made to the original Agreement:

    a. Article 5, Subsection 5.1.1. Strike the words "% of the total Guaranteed Maximum Price" and insert "Two and Seventy-Five Hundredths Percent (2.75%) of the Cost of Work.
    b. Article 5, Subsection 5.1.2. In the first sentence, insert in the location requesting the monthly lump sum amount the following, "One Hundred Thirty Thousand Five Hundred Thirty-Five Dollars ($130,535.00)/Month for the "Seventeen (17) month duration…"
    c. Article 5, Subsection 5.1.2. After the second/last sentence, insert the following, "Based upon current market conditions and possible procurement and delivery delays associated with numerous building materials, equipment, and labor, the monthly General Conditions costs and duration of the Project are subject to change. The Construction Manager reserves the right to revise both the monthly lump sum for General Conditions and the total duration/Final Completion of the Project."

3. Structural steel delegated design is only responsible for the design of the connection details that were not shown in Bid Package #4 documents.

4. Storm water lines in GMP #2 bid documents are sized to receive the storm water from the adjacent site to the West and our Utility contractor will install as shown on the contract documents.

5. Reference Standard Form of Agreement between Owner and Construction Manager, Contract K-2021-97 dated February 9, 2021, by and between The Norman Municipal Authority and GE Johnson Construction Company, Inc. Additionally, reference Item 2. (above) of this Exhibit C – List of Assumptions and Clarifications. The following modifications and additional language are hereby made to the original Agreement and the List of Assumptions and Clarifications:

    a. Reference Article 5, Subsection 5.1.2. The Subsection, modified in Item 2 of this Exhibit, is hereby modified additionally with the following:

EXHIBIT C
GMP AMENDMENT NO. 5

LIST OF ASSUMPTIONS AND CLARIFICATIONS

i. After the last sentence, added by Item 2.c of this Exhibit, insert the following language, "In accordance with the language added to Article 5, Subsection 5.1.2, the total duration/Final Completion of the Project has been revised and is reflected and included as part of Exhibit E included with GMP Amendment No. 3. Additionally, the monthly lump sum General Conditions of One Hundred Thirty Thousand Five Hundred Thirty-Five Dollars ($130,535.00) are applicable to the final seventeen (17) months of the overall schedule. The first seven (7) months of the project schedule, and the monthly lump sum costs associated with the General Conditions, are hereby being reduced to a monthly lump sum of Eighty-Five Thousand Nine Hundred Eighty-Three Dollars ($85,983.00). The additional costs attributable to the additional time/schedule are included as part of the costs associated with GMP Amendment No. 3. It is also hereby understood and agreed that should the Project Schedule be impacted beyond the reflected and agreed to duration/Final Completion of the project, the $130,535.00 monthly lump sum General Conditions rate will apply at the monthly rate or a prorated rate if the time extension is less than 30 days.

ii. Reference Item 5.a.i of this Exhibit. It is hereby understood the Project Schedule/Completion date for the project is extended and is reflected and included as part of Exhibit E included with GMP Amendment No. 5. Additionally, the Construction Manager is in the process of developing the additional costs for General Conditions associated with the extended completion date. It is also hereby understood, the Norman Municipal Authority agrees there are additional costs for General Conditions associated with the extension to the completion date and GE Johnson Construction Company, Inc. will be compensated for the additional General Conditions costs.

EXHIBIT D
GMP AMENDMENT NO. 5

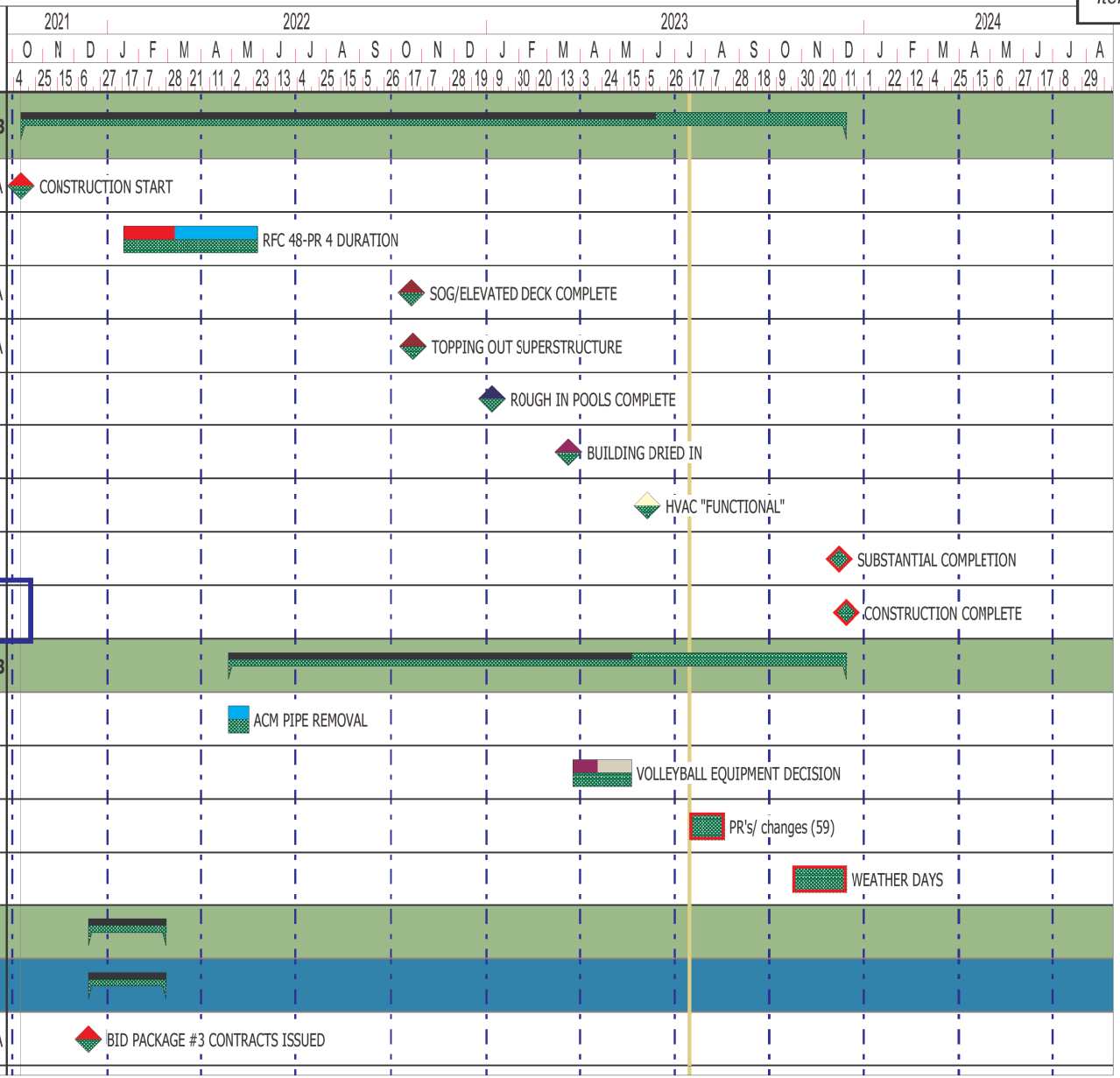
ESTIMATED COST BREAKDOWN

The following information and breakdown represents the estimated costs for the work associated with PR-43 – Dumpster Enclosure and PR-45 – Video Board as well as indirect costs and fee to arrive at a total Estimated Costs for the purposes of amending the GMP for the project:

• PR-45 Video Board Scope of Work Costs:	$205,930.00
• PR-43 Dumpster Enclosure Scope of Work Costs:	$61,386.00
• General Liability Insurance Costs:	$2,673.00
• Builder's Risk Insurances Costs:	$405.00
• Payment & Performance Bonds Cost:	$1,595.00
• Contractor/Construction Manager Fee:	$7,480.00
Total Estimated Costs for GMP No. 5 Amendment	**$279,469.00**

EXHIBIT E
SCHEDULE

Line	Name	Duration	Start	Finish
	MILESTONES	**550d**	**10/11/2021**	**12/14/2023**
1	CONSTRUCTION START		10/11/2021 A	10/11/2021 A
2	RFC 48-PR 4 DURATION	63d	1/18/2022 A	5/25/2022 A
3	SOG/ELEVATED DECK COMPLETE		10/21/2022 A	10/21/2022 A
4	TOPPING OUT SUPERSTRUCTURE		10/24/2022 A	10/24/2022 A
5	ROUGH IN POOLS COMPLETE		1/6/2023 A	1/6/2023 A
6	BUILDING DRIED IN		3/22/2023 A	3/22/2023 A
7	HVAC "FUNCTIONAL"		6/6/2023 A	6/6/2023 A
8	SUBSTANTIAL COMPLETION		12/7/2023	12/7/2023
9	CONSTRUCTION COMPLETE		12/14/2023	12/14/2023
	IMPACTS	**412d**	**4/28/2022**	**12/13/2023**
10	ACM PIPE REMOVAL	14d	4/28/2022 A	5/17/2022 A
11	VOLLEYBALL EQUIPMENT DECISION	20d	3/27/2023 A	5/19/2023 A
12	PR's/ changes (59)	24d	7/17/2023	8/17/2023
13	WEATHER DAYS	35d	10/24/2023	12/13/2023
	PRECONSTRUCTION	**50d**	**12/15/2021**	**2/28/2022**
	GMP DEVELOPMENT	**50d**	**12/15/2021**	**2/28/2022**
14	BID PACKAGE #3 CONTRACTS ISSUED		12/15/2021 A	12/15/2021 A



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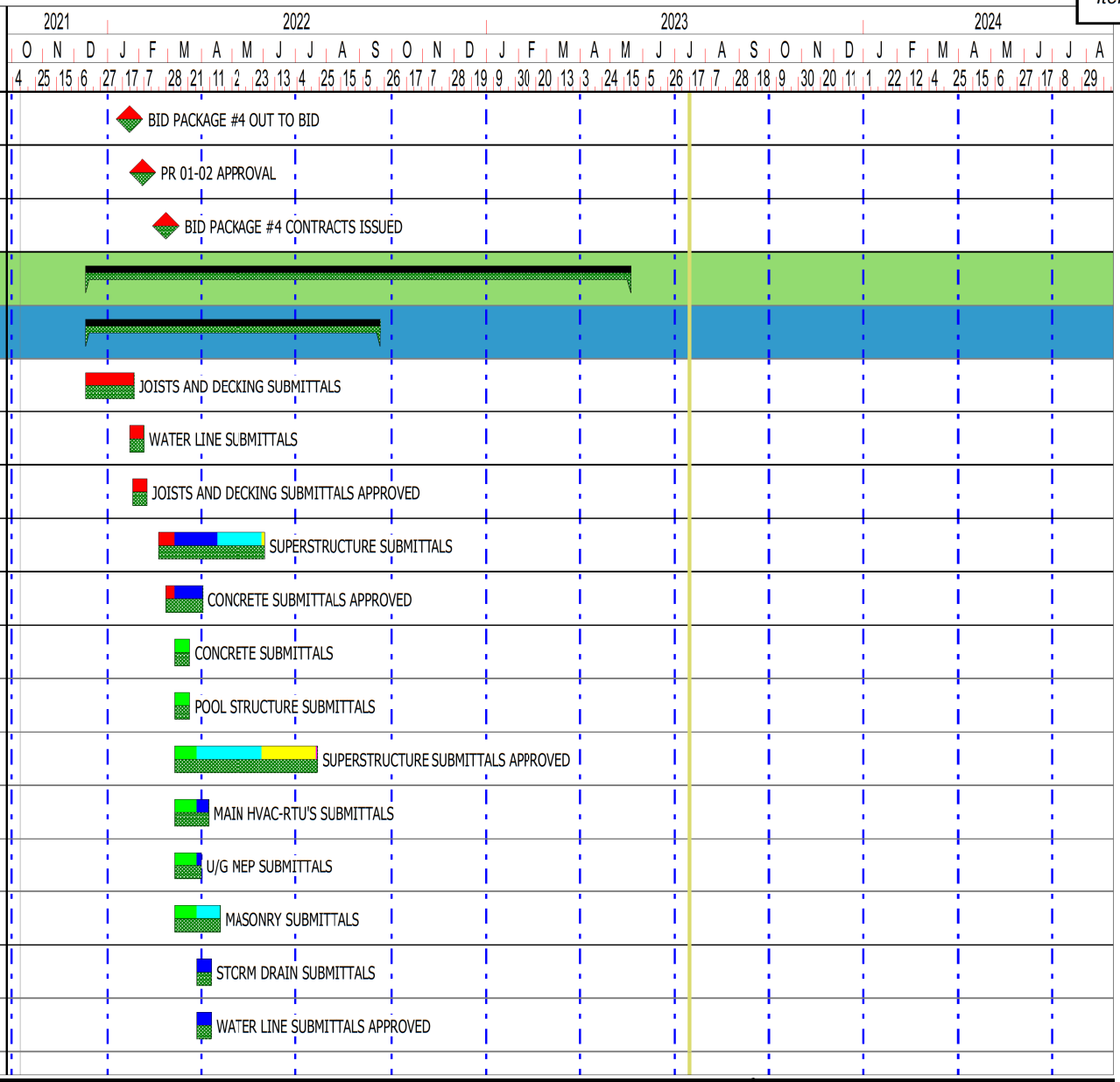
Line	Name	Duration	Start	Finish
15	BID PACKAGE #4 OUT TO BID		1/24/2022 A	1/24/2022 A
16	PR 01-02 APPRCVAL		2/4/2022 A	2/4/2022 A
17	BID PACKAGE #4 CONTRACTS ISSUED		2/28/2022 A	2/28/2022 A
	PROCUREMENT	**364d**	**12/13/2021**	**5/19/2023**
	SUBMITTALS	**196d**	**12/13/2021**	**9/20/2022**
18	JOISTS AND DECKING SUBMITTALS	30d	12/13/2021 A	1/26/2022 A
19	WATER LINE SUBMITTALS	10d	1/24/2022 A	2/4/2022 A
20	JOISTS AND DECKING SUBMITTALS APPROVED	10d	1/26/2022 A	2/8/2022 A
21	SUPERSTRUCTURE SUBMITTALS	57d	2/21/2022 A	6/1/2022 A
22	CONCRETE SUBMITTALS APPROVED	10d	2/28/2022 A	4/1/2022 A
23	CONCRETE SUBMITTALS	10d	3/8/2022 A	3/21/2022 A
24	POOL STRUCTURE SUBMITTALS	10d	3/8/2022 A	3/21/2022 A
25	SUPERSTRUCTURE SUBMITTALS APPROVED	72d	3/8/2022 A	7/21/2022 A
26	MAIN HVAC-RTU'S SUBMITTALS	23d	3/8/2022 A	4/7/2022 A
27	U/G MEP SUBMITTALS	18d	3/8/2022 A	3/31/2022 A
28	MASONRY SUBMITTALS	17d	3/8/2022 A	4/19/2022 A
29	STORM DRAIN SUBMITTALS	10d	3/29/2022 A	4/11/2022 A
30	WATER LINE SUBMITTALS APPROVED	10d	3/29/2022 A	4/11/2022 A



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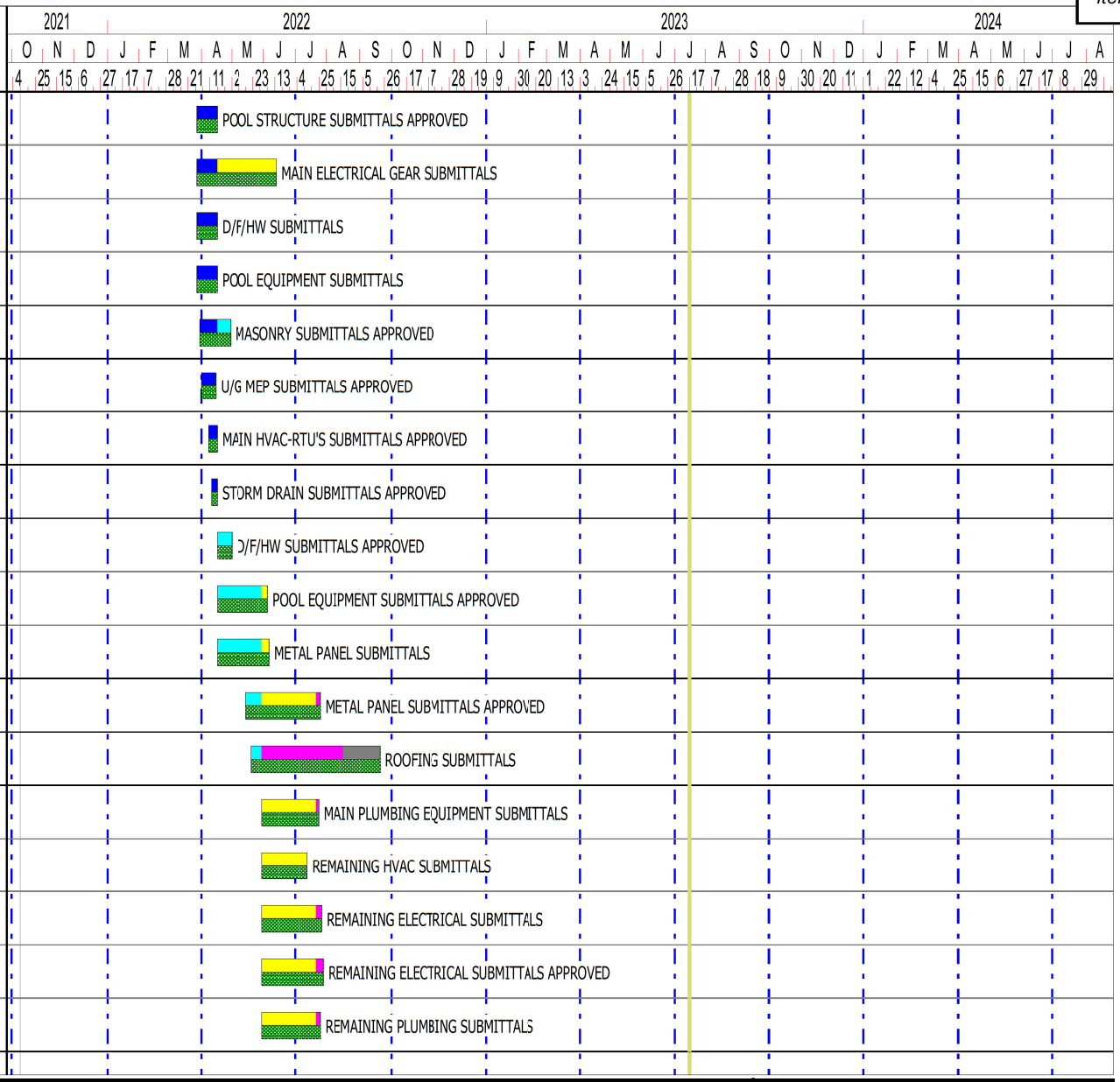
Line	Name	Duration	Start	Finish
31	POOL STRUCTURE SUBMITTALS APPROVED	14d	3/29/2022 A	4/15/2022 A
32	MAIN ELECTRICAL GEAR SUBMITTALS	24d	3/29/2022 A	6/13/2022 A
33	D/F/HW SUBMITTALS	14d	3/29/2022 A	4/15/2022 A
34	POOL EQUIPMENT SUBMITTALS	14d	3/29/2022 A	4/15/2022 A
35	MASONRY SUBMITTALS APPROVED	19d	3/31/2022 A	4/28/2022 A
36	U/G MEP SUBMITTALS APPROVED	10d	4/1/2022 A	4/14/2022 A
37	MAIN HVAC-RTU'S SUBMITTALS APPROVED	6d	4/8/2022 A	4/15/2022 A
38	STORM DRAIN SUBMITTALS APPROVED	4d	4/12/2022 A	4/15/2022 A
39	D/F/HW SUBMITTALS APPROVED	10d	4/18/2022 A	4/29/2022 A
40	POOL EQUIPMENT SUBMITTALS APPROVED	34d	4/18/2022 A	6/3/2022 A
41	METAL PANEL SUBMITTALS	35d	4/18/2022 A	6/6/2022 A
42	METAL PANEL SUBMITTALS APPROVED	44d	5/16/2022 A	7/25/2022 A
43	ROOFING SUBMITTALS	27d	5/20/2022 A	9/20/2022 A
44	MAIN PLUMBING EQUIPMENT SUBMITTALS	38d	5/31/2022 A	7/22/2022 A
45	REMAINING HVAC SUBMITTALS	30d	5/31/2022 A	7/12/2022 A
46	REMAINING ELECTRICAL SUBMITTALS	40d	5/31/2022 A	7/26/2022 A
47	REMAINING ELECTRICAL SUBMITTALS APPROVED	37d	5/31/2022 A	7/27/2022 A
48	REMAINING PLUMBING SUBMITTALS	39d	5/31/2022 A	7/25/2022 A



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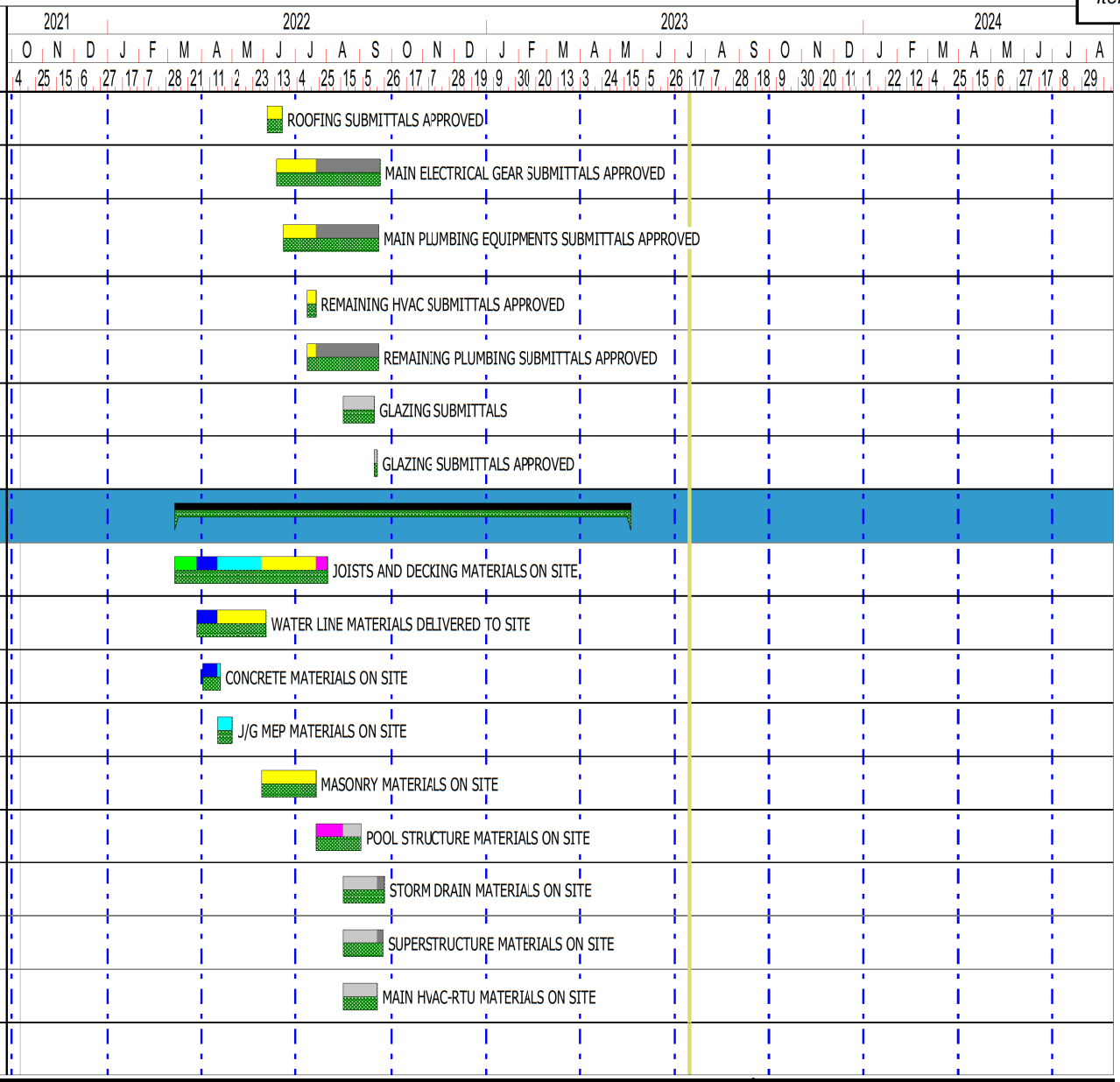
Line	Name	Duration	Start	Finish
49	ROOFING SUBMITTALS APPROVED	10d	6/6/2022 A	6/17/2022 A
50	MAIN ELECTRICAL GEAR SUBMITTALS APPROVED	28d	6/14/2022 A	9/20/2022 A
51	MAIN PLUMBING EQUIPMENTS SUBMITTALS APPROVED	22d	6/21/2022 A	9/19/2022 A
52	REMAINING HVAC SUBMITTALS APPROVED	6d	7/13/2022 A	7/20/2022 A
53	REMAINING PLUMBING SUBMITTALS APPROVED	7d	7/13/2022 A	9/19/2022 A
54	GLAZING SUBMITTALS	20d	8/17/2022 A	9/14/2022 A
55	GLAZING SUBMITTALS APPROVED	2d	9/15/2022 A	9/16/2022 A
	FAB & DELIVERY	**306d**	**3/8/2022**	**5/19/2023**
56	JOISTS AND DECKING MATERIALS ON SITE	103d	3/8/2022 A	8/1/2022 A
57	WATER LINE MATERIALS DELIVERED TO SITE	17d	3/29/2022 A	6/2/2022 A
58	CONCRETE MATERIALS ON SITE	12d	4/4/2022 A	4/19/2022 A
59	U/G MEP MATERIALS ON SITE	10d	4/18/2022 A	4/29/2022 A
60	MASONRY MATERIALS ON SITE	36d	5/31/2022 A	7/20/2022 A
61	POOL STRUCTURE MATERIALS ON SITE	31d	7/21/2022 A	9/1/2022 A
62	STORM DRAIN MATERIALS ON SITE	27d	8/17/2022 A	9/23/2022 A
63	SUPERSTRUCTURE MATERIALS ON SITE	26d	8/17/2022 A	9/22/2022 A
64	MAIN HVAC-RTU MATERIALS ON SITE	22d	8/17/2022 A	9/16/2022 A



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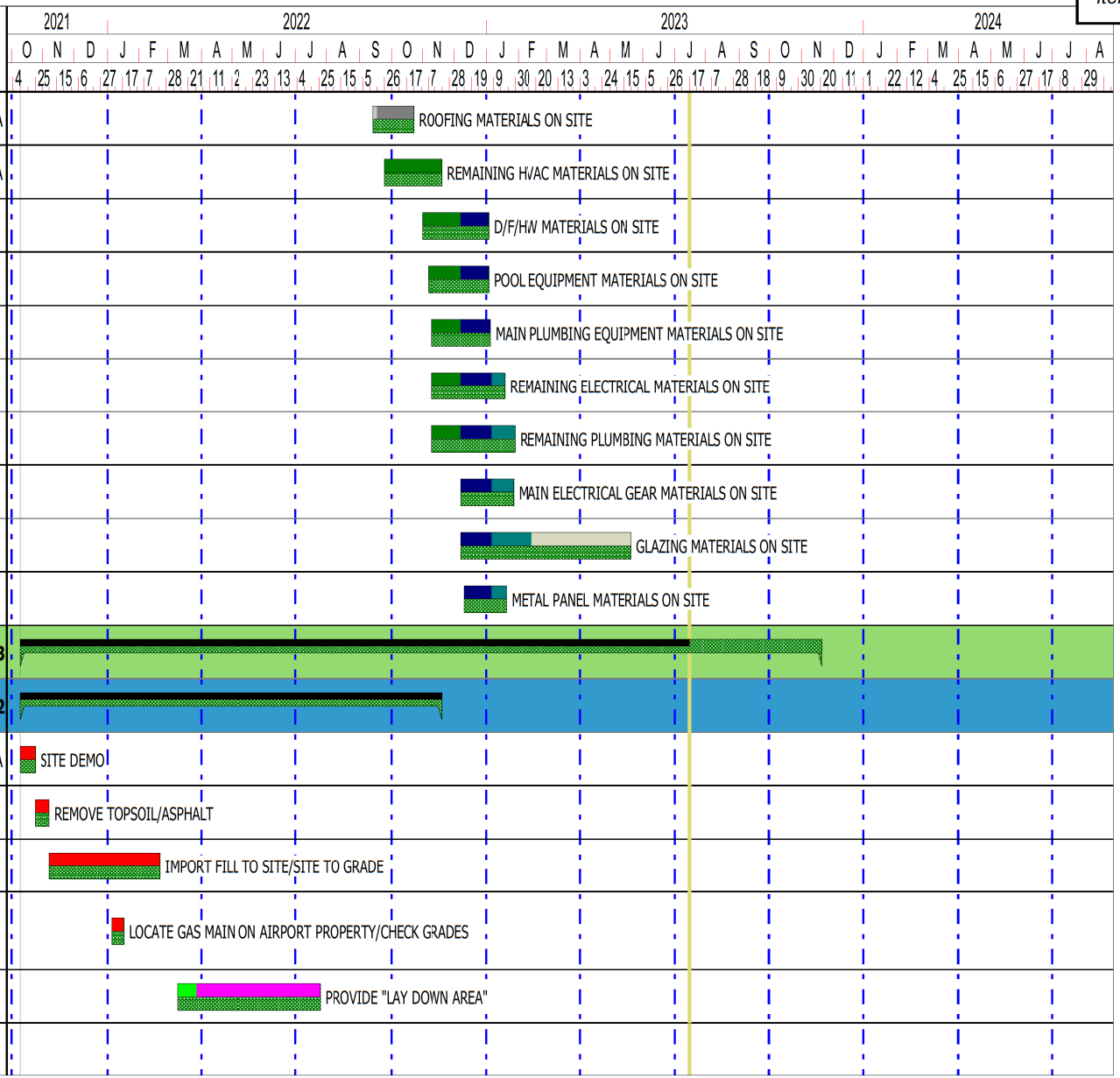
Line	Name	Duration	Start	Finish
65	ROOFING MATERIALS ON SITE	28d	9/14/2022 A	10/21/2022 A
66	REMAINING HVAC MATERIALS ON SITE	40d	9/26/2022 A	11/18/2022 A
67	D/F/HW MATERIALS ON SITE	33d	11/1/2022 A	1/3/2023 A
68	POOL EQUIPMENT MATERIALS ON SITE	29d	11/7/2022 A	1/3/2023 A
69	MAIN PLUMBING EQUIPMENT MATERIALS ON SITE	28d	11/9/2022 A	1/4/2023 A
70	REMAINING ELECTRICAL MATERIALS ON SITE	38d	11/9/2022 A	1/18/2023 A
71	REMAINING PLUMBING MATERIALS ON SITE	45d	11/9/2022 A	1/27/2023 A
72	MAIN ELECTRICAL GEAR MATERIALS ON SITE	33d	12/8/2022 A	1/26/2023 A
73	GLAZING MATERIALS ON SITE	69d	12/8/2022 A	5/19/2023 A
74	METAL PANEL MATERIALS ON SITE	26d	12/12/2022 A	1/19/2023 A
	CONSTRUCTION	**535d**	**10/11/2021**	**11/20/2023**
	SITE PREP	**282d**	**10/11/2021**	**11/18/2022**
75	SITE DEMO	10d	10/11/2021 A	10/22/2021 A
76	REMOVE TOPSOIL/ASPHALT	10d	10/25/2021 A	11/5/2021 A
77	IMPORT FILL TO SITE/SITE TO GRADE	71d	11/8/2021 A	2/21/2022 A
78	LOCATE GAS MAIN ON AIRPORT PROPERTY/CHECK GRADES	8d	1/6/2022 A	1/17/2022 A
79	PROVIDE "LAY DOWN AREA"	16d	3/10/2022 A	7/25/2022 A



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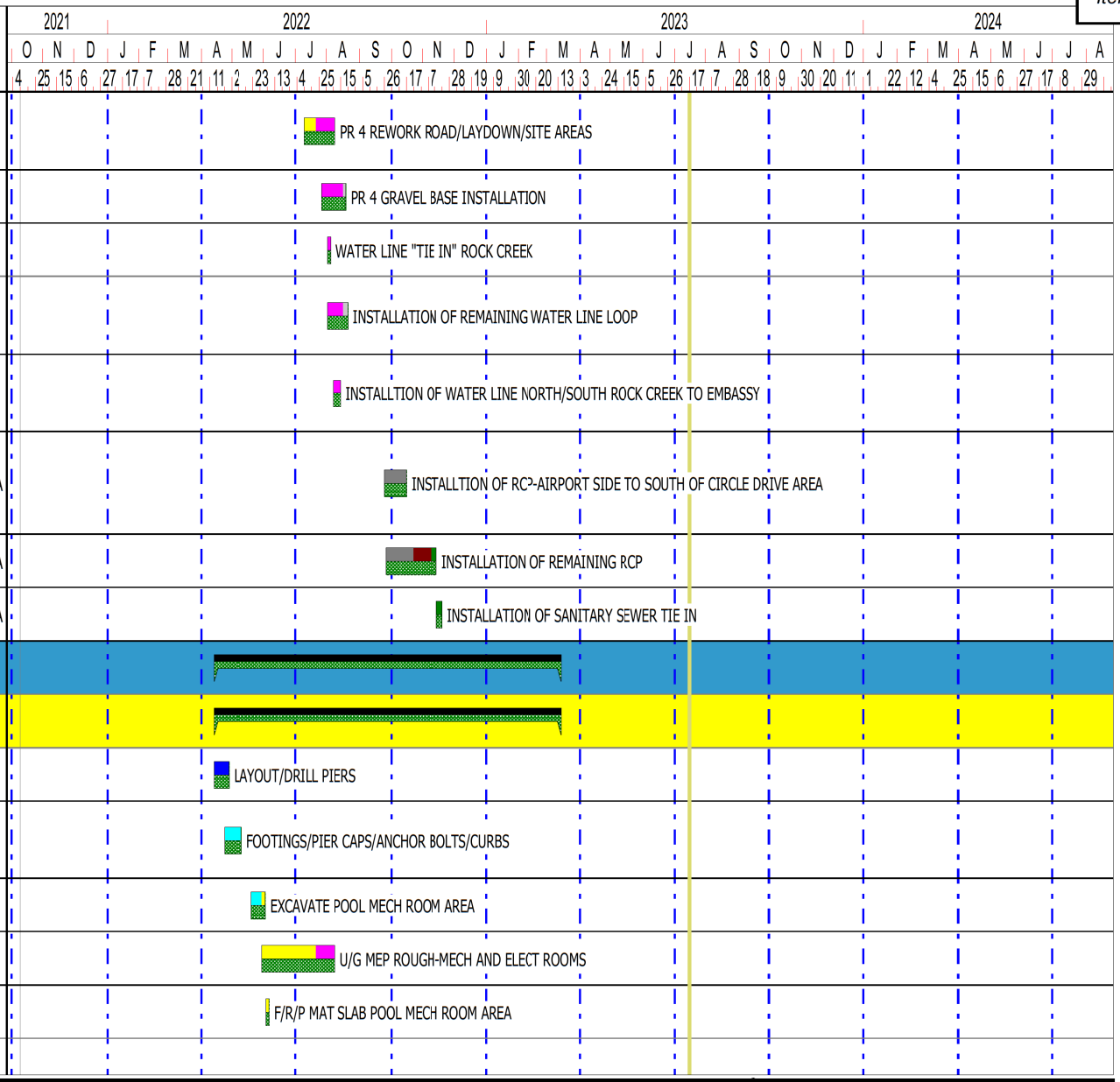
Line	Name	Duration	Start	Finish
80	PR 4 REWORK ROAD/LAYDOWN/SITE AREAS	10d	7/11/2022 A	8/8/2022 A
81	PR 4 GRAVEL BASE INSTALLATION	11d	7/27/2022 A	8/18/2022 A
82	WATER LINE "TIE IN" ROCK CREEK	2d	8/2/2022 A	8/3/2022 A
83	INSTALLATION OF REMAINING WATER LINE LOOP	14d	8/2/2022 A	8/19/2022 A
84	INSTALLTION OF WATER LINE NORTH/SOUTH ROCK CREEK TO EMBASSY	5d	8/8/2022 A	8/12/2022 A
85	INSTALLTION OF RCP-AIRPORT SIDE TO SOUTH OF CIRCLE DRIVE AREA	15d	9/26/2022 A	10/14/2022 A
86	INSTALLATION OF REMAINING RCP	35d	9/27/2022 A	11/14/2022 A
87	INSTALLATION OF SANITARY SEWER TIE IN	4d	11/15/2022 A	11/18/2022 A
	STRUCTURE	**231d**	**4/14/2022**	**3/14/2023**
	AREA "A" FOUNDATIONS	**231d**	**4/14/2022**	**3/14/2023**
88	LAYOUT/DRILL PIERS	10d	4/14/2022 A	4/27/2022 A
89	FOOTINGS/PIER CAPS/ANCHOR BOLTS/CURBS	12d	4/25/2022 A	5/10/2022 A
90	EXCAVATE POOL MECH ROOM AREA	3d	5/20/2022 A	6/2/2022 A
91	U/G MEP ROUGH-MECH AND ELECT ROOMS	49d	5/31/2022 A	8/8/2022 A
92	F/R/P MAT SLAB POOL MECH ROOM AREA	2d	6/3/2022 A	6/6/2022 A



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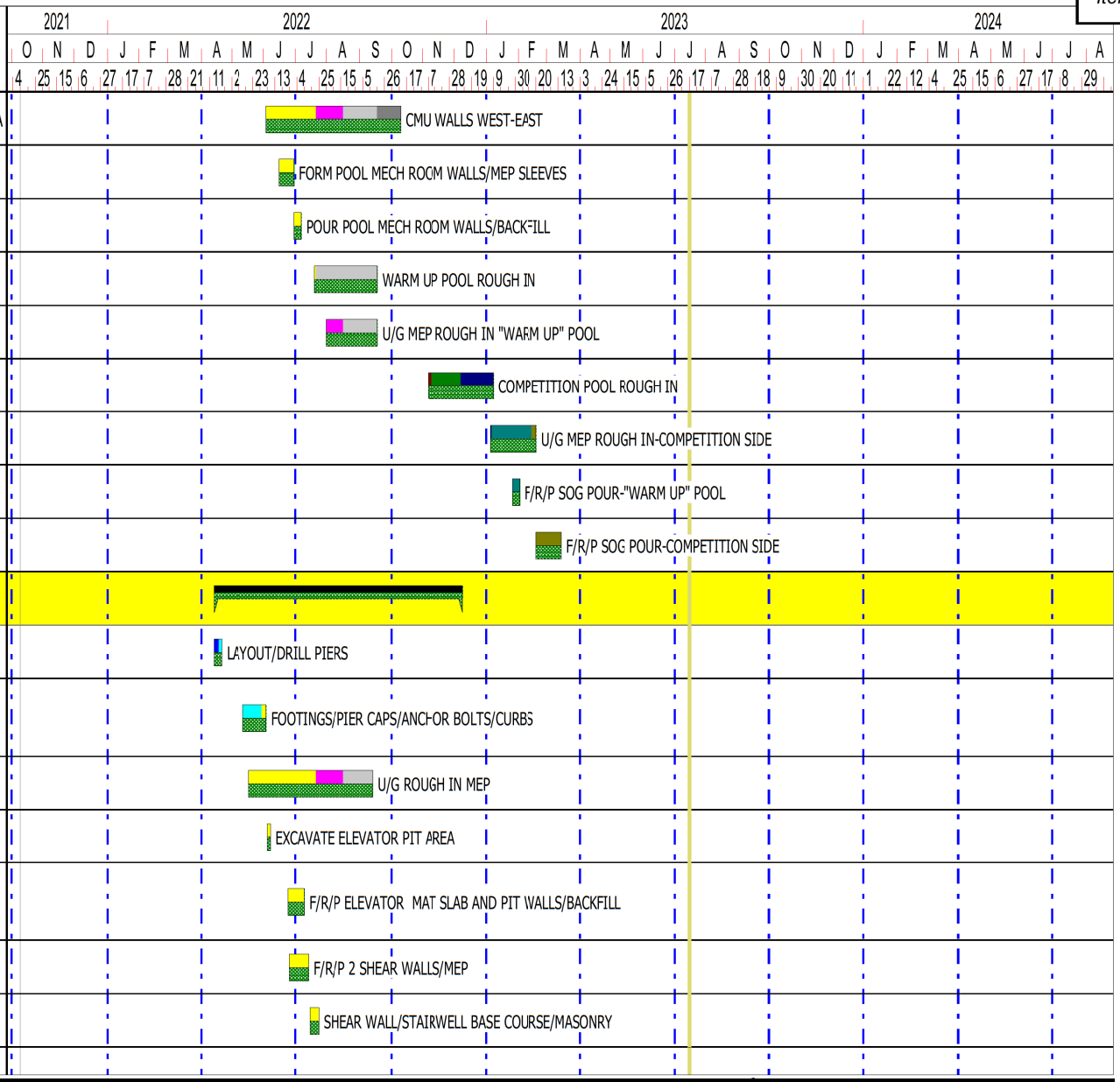
Line	Name	Duration	Start	Finish
93	CMU WALLS WEST-EAST	90d	6/3/2022 A	10/10/2022 A
94	FORM POOL MECH ROOM WALLS/MEP SLEEVES	10d	6/16/2022 A	6/29/2022 A
95	POUR POOL MECH ROOM WALLS/BACKFILL	4d	6/30/2022 A	7/6/2022 A
96	WARM UP POOL ROUGH IN	23d	7/20/2022 A	9/16/2022 A
97	U/G MEP ROUGH IN "WARM UP" POOL	28d 6.4h	8/1/2022 A	9/16/2022 A
98	COMPETITION POOL ROUGH IN	32d	11/7/2022 A	1/6/2023 A
99	U/G MEP ROUGH IN-COMPETITION SIDE	32d	1/5/2023 A	2/17/2023 A
100	F/R/P SOG POUR-"WARM UP" POOL	5d	1/26/2023 A	2/1/2023 A
101	F/R/P SOG POUR-COMPETITION SIDE	17d	2/20/2023 A	3/14/2023 A
	AREA "B" FOUNDATIONS	**166d**	**4/14/2022**	**12/8/2022**
102	LAYOUT/DRILL PIERS	5d	4/14/2022 A	4/20/2022 A
103	FOOTINGS/PIER CAPS/ANCHOR BOLTS/CURBS	15d	5/12/2022 A	6/2/2022 A
104	U/G ROUGH IN MEP	75d 6.4h	5/18/2022 A	9/13/2022 A
105	EXCAVATE ELEVATOR PIT AREA	2d	6/6/2022 A	6/7/2022 A
106	F/R/P ELEVATOR MAT SLAB AND PIT WALLS/BACKFILL	10d	6/24/2022 A	7/8/2022 A
107	F/R/P 2 SHEAR WALLS/MEP	12d	6/27/2022 A	7/13/2022 A
108	SHEAR WALL/STAIRWELL BASE COURSE/MASONRY	6d	7/15/2022 A	7/22/2022 A



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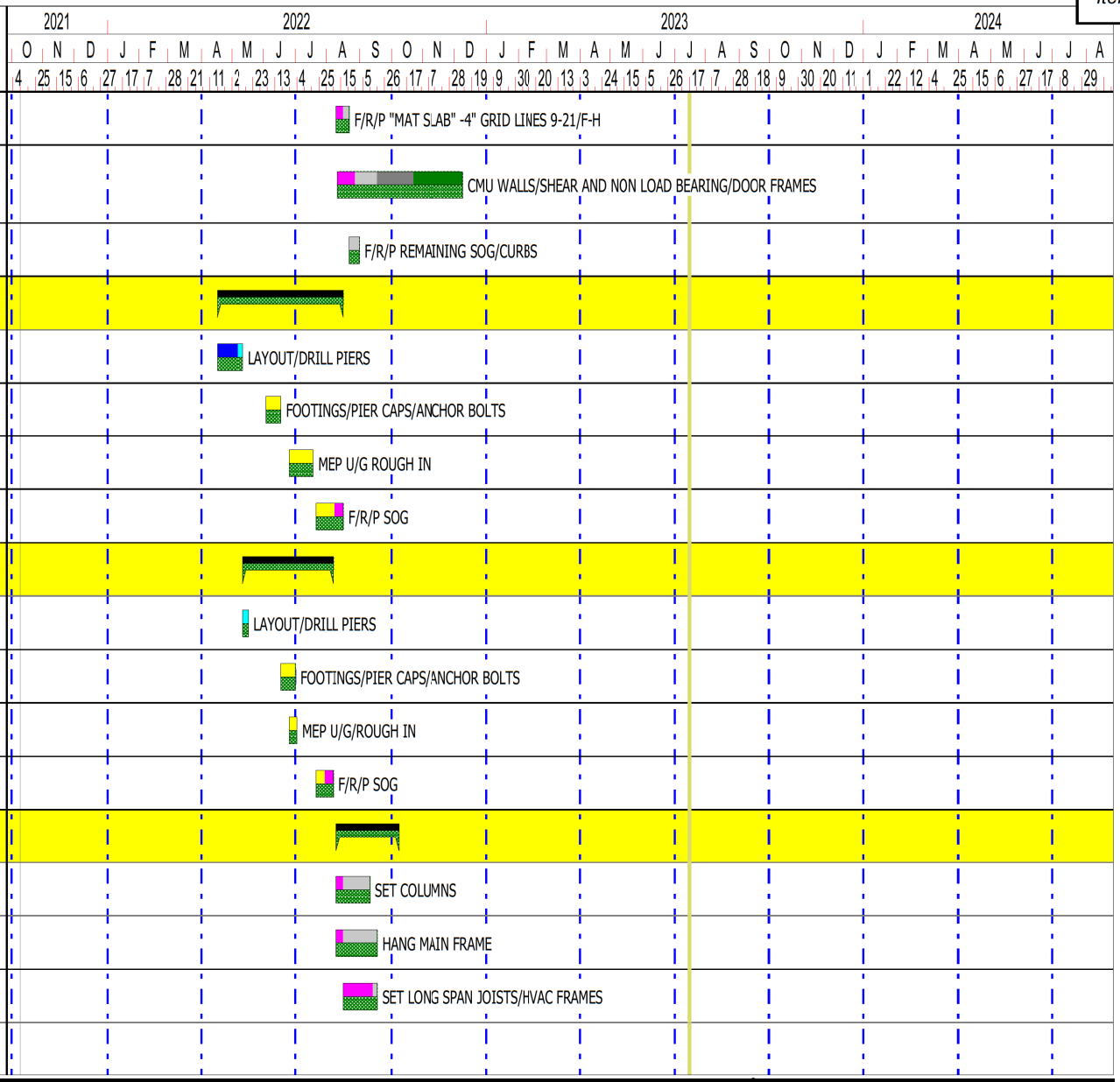
Line	Name	Duration	Start	Finish
109	F/R/P "MAT SLAB" -4" GRID LINES 9-21/F-H	4d	8/10/2022 A	8/22/2022 A
110	CMU WALLS/SHEAR AND NON LOAD BEARING/DOOR FRAMES	71d	8/11/2022 A	12/8/2022 A
111	F/R/P REMAINING SOG/CURBS	7d	8/23/2022 A	8/31/2022 A
	AREA "C" FOUNDATIONS	**85d**	**4/18/2022**	**8/16/2022**
112	LAYOUT/DRILL PIERS	18d	4/18/2022 A	5/11/2022 A
113	FOOTINGS/PIER CAPS/ANCHOR BOLTS	10d	6/3/2022 A	6/16/2022 A
114	MEP U/G ROUGH IN	15d	6/27/2022 A	7/18/2022 A
115	F/R/P SOG	19d	7/21/2022 A	8/16/2022 A
	AREA "D" FOUNDATIONS	**60d**	**5/12/2022**	**8/5/2022**
116	LAYOUT/DRILL PIERS	4d	5/12/2022 A	5/17/2022 A
117	FOOTINGS/PIER CAPS/ANCHOR BOLTS	10d	6/17/2022 A	6/30/2022 A
118	MEP U/G/ROUGH IN	5d	6/27/2022 A	7/1/2022 A
119	F/R/P SOG	12d	7/21/2022 A	8/5/2022 A
	AREA "D" STRUCTURE	**42d**	**8/10/2022**	**10/7/2022**
120	SET COLUMNS	10d	8/10/2022 A	9/9/2022 A
121	HANG MAIN FRAME	10d	8/10/2022 A	9/16/2022 A
122	SET LONG SPAN JOISTS/HVAC FRAMES	22d	8/17/2022 A	9/16/2022 A



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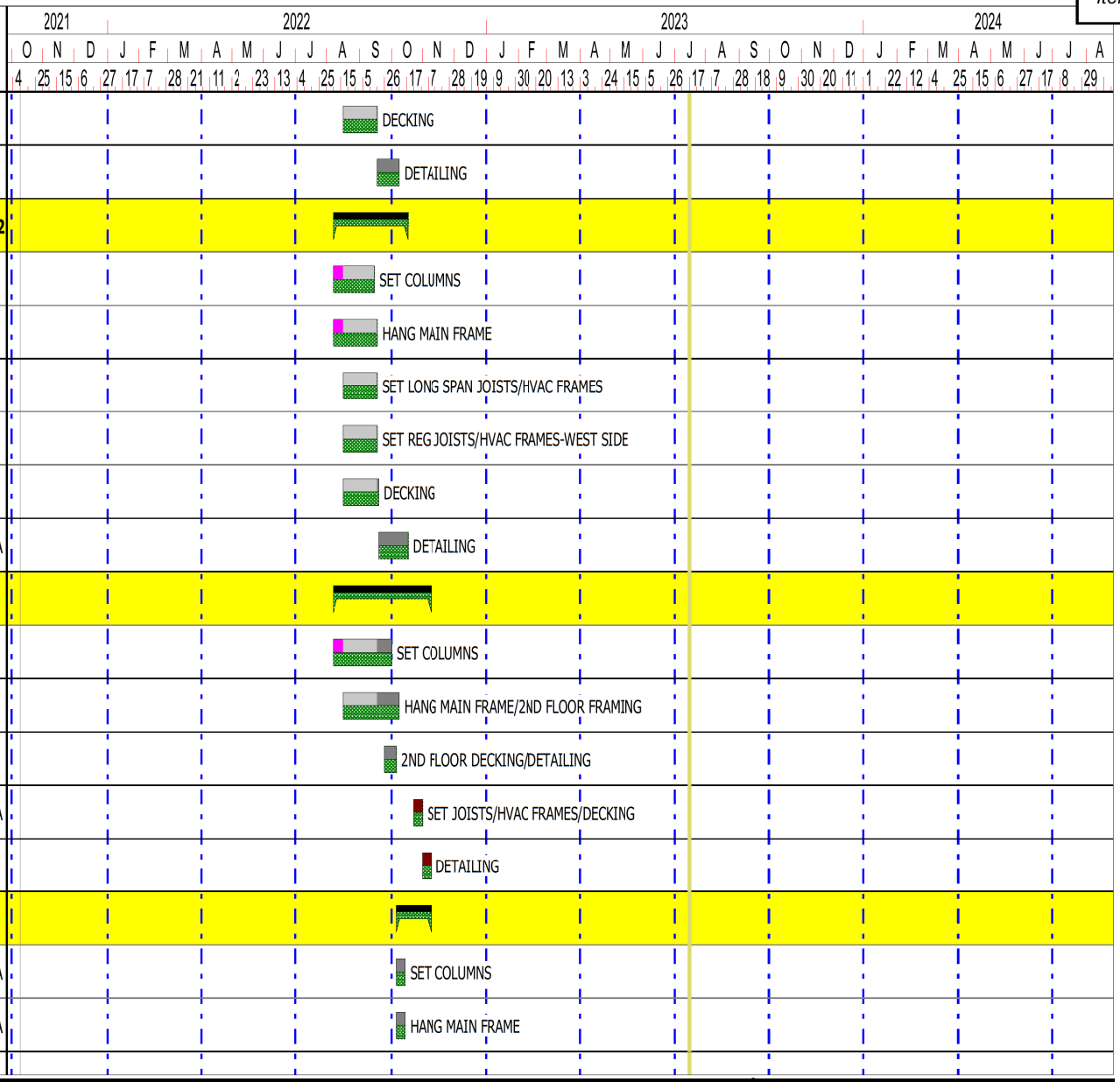
Line	Name	Duration	Start	Finish
123	DECKING	22d	8/17/2022 A	9/16/2022 A
124	DETAILING	15d	9/19/2022 A	10/7/2022 A
	AREA "C" STRUCTURE	**50d**	**8/8/2022**	**10/17/2022**
125	SET COLUMNS	27d	8/8/2022 A	9/14/2022 A
126	HANG MAIN FRAME	29d	8/8/2022 A	9/16/2022 A
127	SET LONG SPAN JOISTS/HVAC FRAMES	22d	8/17/2022 A	9/16/2022 A
128	SET REG JOISTS/HVAC FRAMES-WEST SIDE	22d	8/17/2022 A	9/16/2022 A
129	DECKING	23d	8/17/2022 A	9/19/2022 A
130	DETAILING	20d	9/20/2022 A	10/17/2022 A
	AREA "B" STRUCTURE	**66d**	**8/8/2022**	**11/8/2022**
131	SET COLUMNS	31d	8/8/2022 A	9/30/2022 A
132	HANG MAIN FRAME/2ND FLOOR FRAMING	27d	8/17/2022 A	10/7/2022 A
133	2ND FLOOR DECKING/DETAILING	8d	9/26/2022 A	10/5/2022 A
134	SET JOISTS/HVAC FRAMES/DECKING	6d	10/24/2022 A	10/31/2022 A
135	DETAILING	6d	11/1/2022 A	11/8/2022 A
	AREA "A" STRUCTURE	**24d**	**10/6/2022**	**11/8/2022**
136	SET COLUMNS	6d	10/6/2022 A	10/13/2022 A
137	HANG MAIN FRAME	6d	10/6/2022 A	10/13/2022 A



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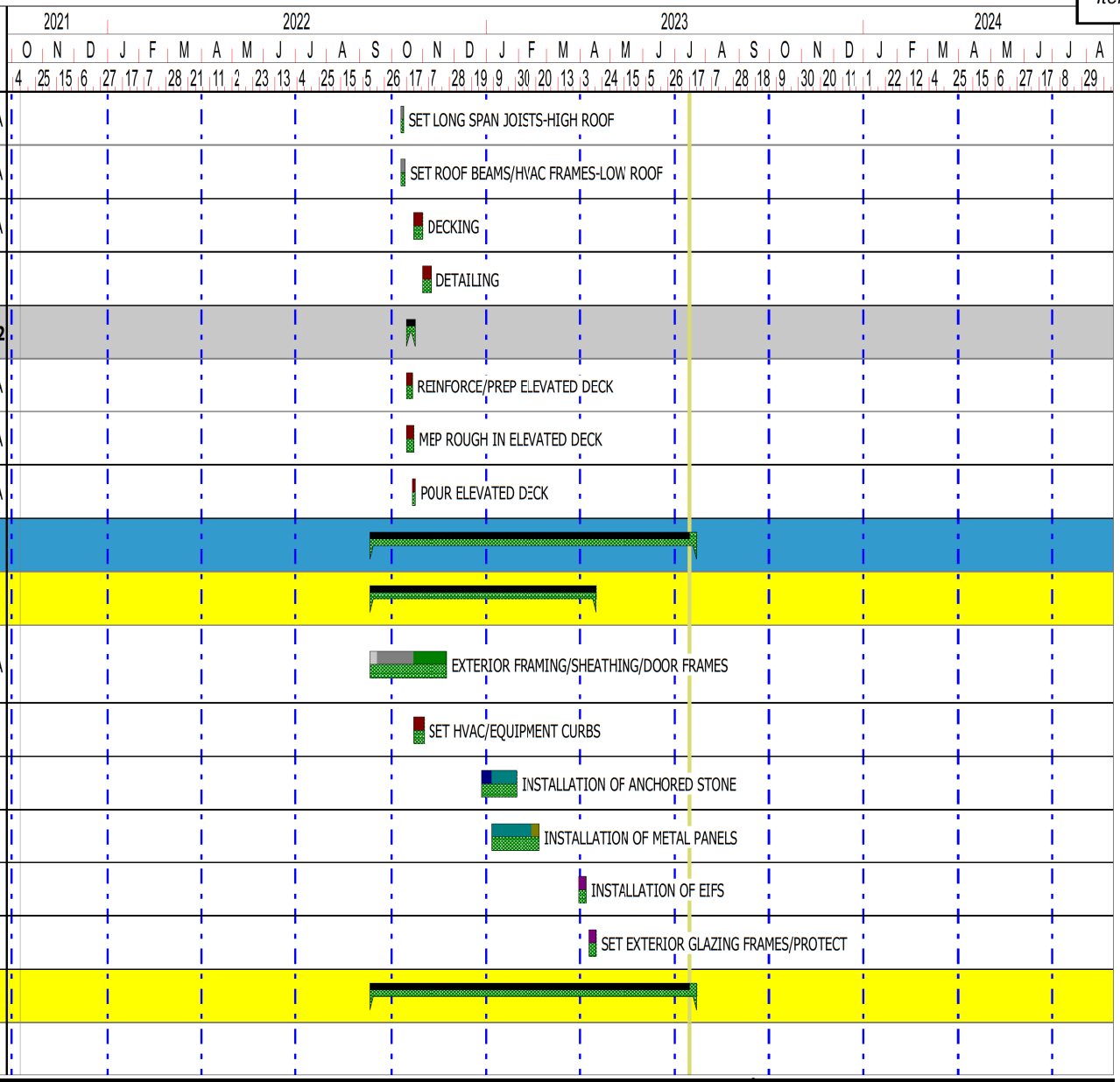
Line	Name	Duration	Start	Finish
138	SET LONG SPAN JOISTS-HIGH ROOF	2d	10/11/2022 A	10/12/2022 A
139	SET ROOF BEAMS/HVAC FRAMES-LOW ROOF	3d	10/11/2022 A	10/13/2022 A
140	DECKING	6d	10/24/2022 A	10/31/2022 A
141	DETAILING	6d	11/1/2022 A	11/8/2022 A
	AREA "B" 2ND FLOOR	**6d**	**10/17/2022**	**10/24/2022**
142	REINFORCE/PREP ELEVATED DECK	4d	10/17/2022 A	10/20/2022 A
143	MEP ROUGH IN ELEVATED DECK	5d	10/17/2022 A	10/21/2022 A
144	POUR ELEVATED DECK	2d	10/21/2022 A	10/24/2022 A
	EXTERIORS	**218d**	**9/12/2022**	**7/21/2023**
	AREA "D" EXTERIORS	**151d**	**9/12/2022**	**4/17/2023**
145	EXTERIOR FRAMING/SHEATHING/DOOR FRAMES	41d	9/12/2022 A	11/23/2022 A
146	SET HVAC/EQUIPMENT CURBS	7d	10/24/2022 A	11/1/2022 A
147	INSTALLATION OF ANCHORED STONE	23d	12/28/2022 A	1/30/2023 A
148	INSTALLATION OF METAL PANELS	33d	1/6/2023 A	2/21/2023 A
149	INSTALLATION OF EIFS	5d	3/31/2023 A	4/6/2023 A
150	SET EXTERIOR GLAZING FRAMES/PROTECT	5d	4/11/2023 A	4/17/2023 A
	AREA "C" EXTERIORS	**218d**	**9/12/2022**	**7/21/2023**



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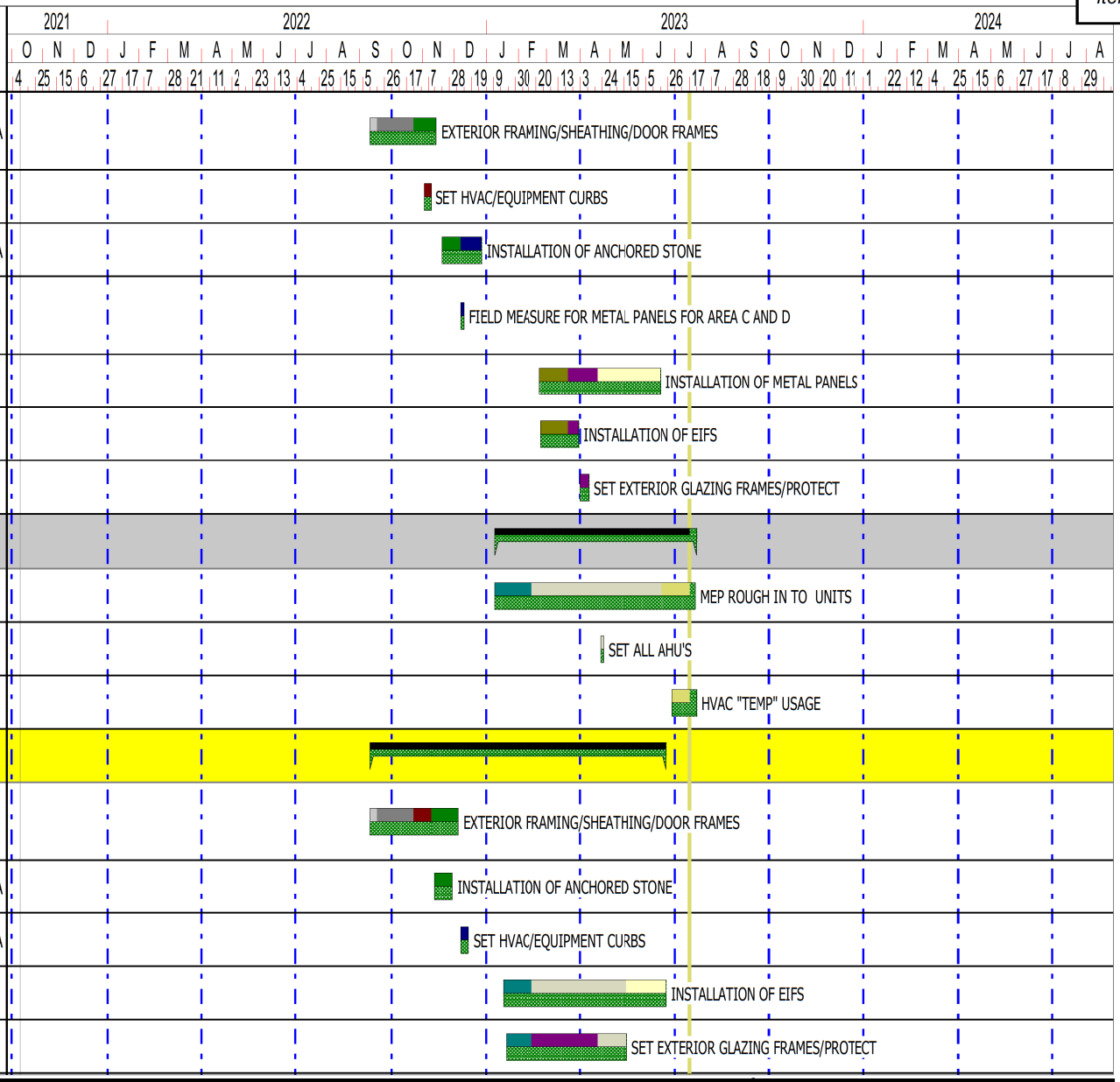
Line	Name	Duration	Start	Finish
151	EXTERIOR FRAMING/SHEATHING/DOOR FRAMES	17d	9/12/2022 A	11/14/2022 A
152	SET HVAC/EQUIPMENT CURBS	5d	11/2/2022 A	11/8/2022 A
153	INSTALLATION OF ANCHORED STONE	15d	11/21/2022 A	12/27/2022 A
154	FIELD MEASURE FOR METAL PANELS FOR AREA C AND D	2d	12/8/2022 A	12/9/2022 A
155	INSTALLATION OF METAL PANELS	62d	2/22/2023 A	6/16/2023 A
156	INSTALLATION OF EIFS	20d	2/23/2023 A	3/30/2023 A
157	SET EXTERIOR GLAZING FRAMES/PROTECT	6d	4/3/2023 A	4/10/2023 A
	AHU PLACEMENT-JOBWIDE	**137d**	**1/10/2023**	**7/21/2023**
158	MEP ROUGH IN TO UNITS	69d	1/10/2023 A	7/20/2023
159	SET ALL AHU'S	2d	4/21/2023 A	4/24/2023 A
160	HVAC "TEMP" USAGE	12d	6/29/2023 A	7/21/2023
	AREA "B" EXTERIORS	**198d**	**9/12/2022**	**6/22/2023**
161	EXTERIOR FRAMING/SHEATHING/DOOR FRAMES	43d	9/12/2022 A	12/5/2022 A
162	INSTALLATION OF ANCHORED STONE	10d	11/14/2022 A	11/29/2022 A
163	SET HVAC/EQUIPMENT CURBS	5d	12/8/2022 A	12/14/2022 A
164	INSTALLATION OF EIFS	66d	1/18/2023 A	6/22/2023 A
165	SET EXTERIOR GLAZING FRAMES/PROTECT	55d	1/20/2023 A	5/16/2023 A



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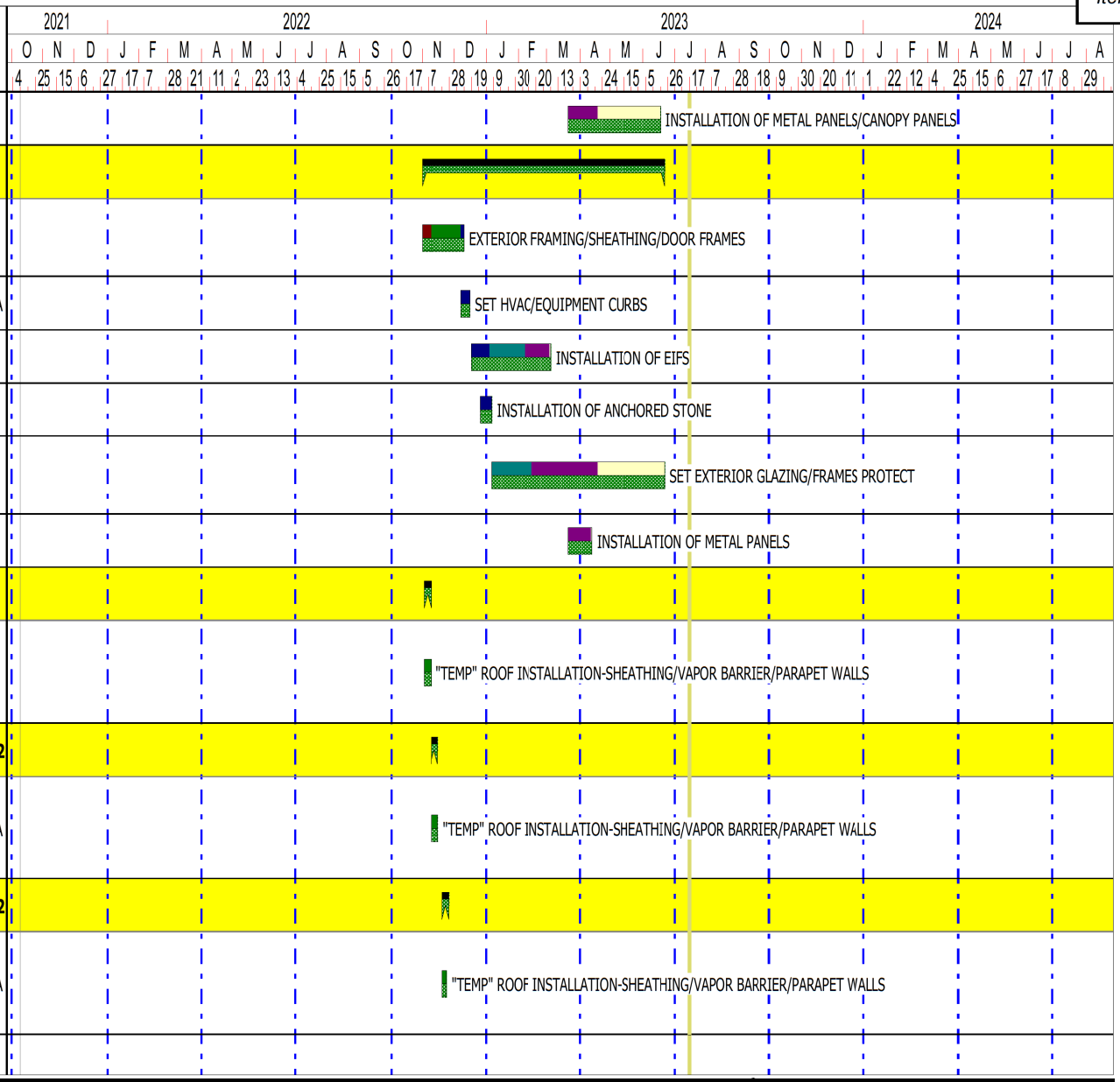
Line	Name	Duration	Start	Finish
166	INSTALLATION OF METAL PANELS/CANOPY PANELS	22d	3/22/2023 A	6/16/2023 A
	AREA "A" EXTERIORS	**161d**	**11/1/2022**	**6/21/2023**
167	EXTERIOR FRAMING/SHEATHING/DOOR FRAMES	19d	11/1/2022 A	12/9/2022 A
168	SET HVAC/EQUIPMENT CURBS	6d	12/8/2022 A	12/15/2022 A
169	INSTALLATION OF EIFS	52d	12/19/2022 A	3/3/2023 A
170	INSTALLATION OF ANCHORED STONE	7d	12/27/2022 A	1/5/2023 A
171	SET EXTERIOR GLAZING/FRAMES PROTECT	73d	1/6/2023 A	6/21/2023 A
172	INSTALLATION OF METAL PANELS	16d	3/22/2023 A	4/12/2023 A
	AREA "D" TEMP ROOF	**5d**	**11/2/2022**	**11/8/2022**
173	"TEMP" ROOF INSTALLATION-SHEATHING/VAPOR BARRIER/PARAPET WALLS	5d	11/2/2022 A	11/8/2022 A
	AREA "C" TEMP ROOF	**5d**	**11/9/2022**	**11/15/2022**
174	"TEMP" ROOF INSTALLATION-SHEATHING/VAPOR BARRIER/PARAPET WALLS	5d	11/9/2022 A	11/15/2022 A
	AREA "B" TEMP ROOF	**3d**	**11/21/2022**	**11/23/2022**
175	"TEMP" ROOF INSTALLATION-SHEATHING/VAPOR BARRIER/PARAPET WALLS	3d	11/21/2022 A	11/23/2022 A



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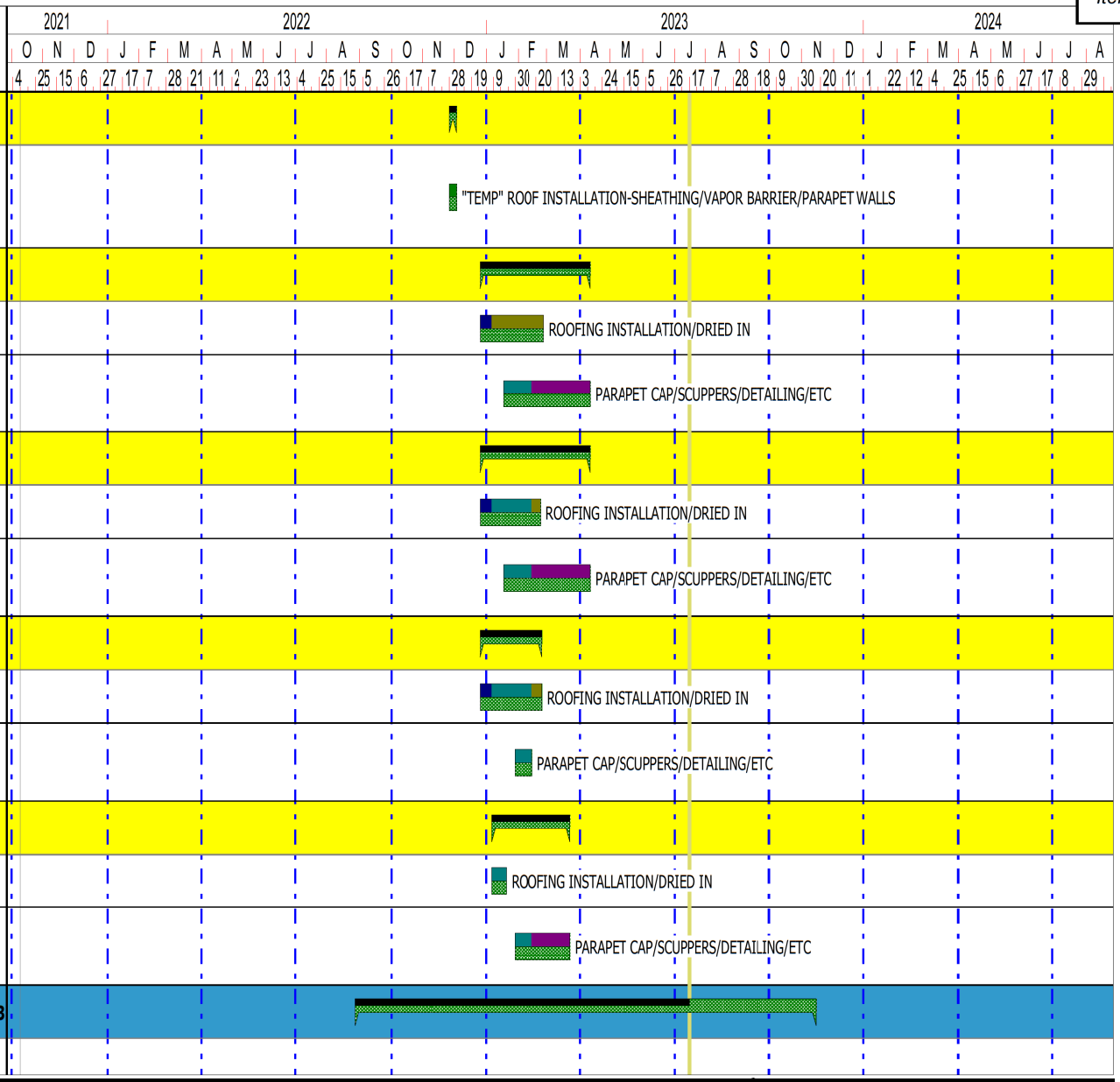
Line	Name	Duration	Start	Finish
	AREA "A" TEMP ROOF	**5d**	**11/28/2022**	**12/2/2022**
176	"TEMP" ROOF INSTALLATION-SHEATHING/VAPOR BARRIER/PARAPET WALLS	5d	11/28/2022 A	12/2/2022 A
	AREA "D" ROOFING	**75d**	**12/27/2022**	**4/11/2023**
177	ROOFING INSTALLATION/DRIED IN	15d	12/27/2022 A	2/24/2023 A
178	PARAPET CAP/SCUPPERS/DETAILING/ETC	35d	1/18/2023 A	4/11/2023 A
	AREA "C" ROOFING	**75d**	**12/27/2022**	**4/11/2023**
179	ROOFING INSTALLATION/DRIED IN	41d	12/27/2022 A	2/22/2023 A
180	PARAPET CAP/SCUPPERS/DETAILING/ETC	35d	1/18/2023 A	4/11/2023 A
	AREA "B" ROOFING	**42d**	**12/27/2022**	**2/23/2023**
181	ROOFING INSTALLATION/DRIED IN	28d	12/27/2022 A	2/23/2023 A
182	PARAPET CAP/SCUPPERS/DETAILING/ETC	12d	1/30/2023 A	2/14/2023 A
	AREA "A" ROOFING	**54d**	**1/6/2023**	**3/22/2023**
183	ROOFING INSTALLATION/DRIED IN	10d	1/6/2023 A	1/19/2023 A
184	PARAPET CAP/SCUPPERS/DETAILING/ETC	13d	1/30/2023 A	3/22/2023 A
	INTERIORS	**308d 1s**	**8/26/2022**	**11/14/2023**



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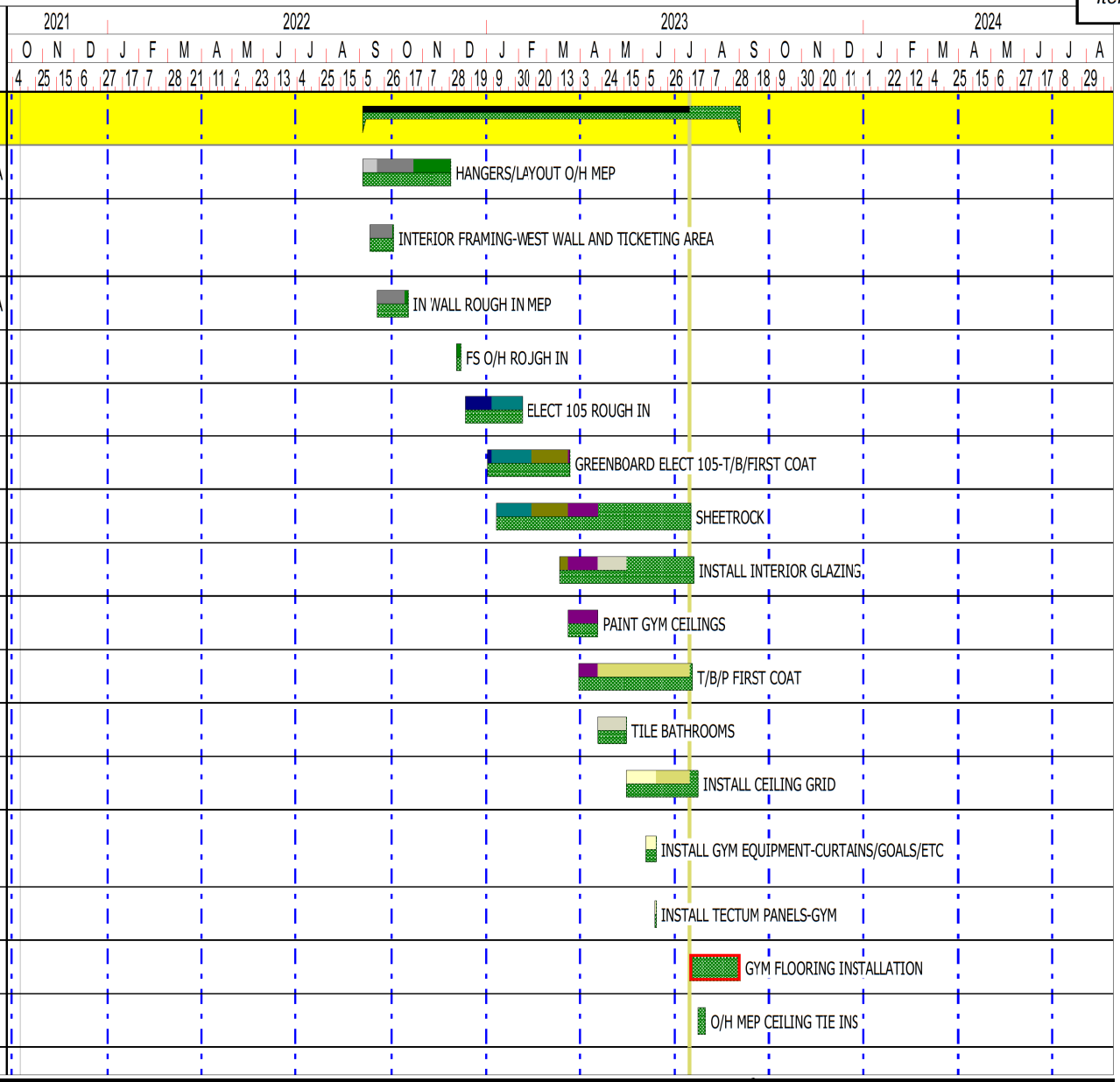
Line	Name	Duration	Start	Finish
	AREA "D" INTERIORS	**252d**	**9/5/2022**	**9/1/2023**
185	HANGERS/LAYOUT O/H MEP	16d	9/5/2022 A	11/28/2022 A
186	INTERIOR FRAMING-WEST WALL AND TICKETING AREA	16d	9/12/2022 A	10/3/2022 A
187	IN WALL ROUGH IN MEP	21d	9/19/2022 A	10/17/2022 A
188	FS O/H ROUGH IN	3d	12/5/2022 A	12/7/2022 A
189	ELECT 105 ROUGH IN	33d	12/13/2022 A	2/3/2023 A
190	GREENBOARD ELECT 105-T/B/FIRST COAT	57d	1/3/2023 A	3/22/2023 A
191	SHEETROCK	67d	1/11/2023 A	7/17/2023
192	INSTALL INTERIOR GLAZING	33d	3/14/2023 A	7/19/2023
193	PAINT GYM CEILINGS	20d	3/22/2023 A	4/18/2023 A
194	T/B/P FIRST COAT	37d	3/31/2023 A	7/18/2023
195	TILE BATHROOMS	20d	4/19/2023 A	5/16/2023 A
196	INSTALL CEILING GRID	26d	5/17/2023 A	7/24/2023
197	INSTALL GYM EQUIPMENT-CURTAINS/GOALS/ETC	7d	6/5/2023 A	6/13/2023 A
198	INSTALL TECTUM PANELS-GYM	1d	6/13/2023 A	6/13/2023 A
199	GYM FLOORING INSTALLATION	35d	7/17/2023 *	9/1/2023
200	O/H MEP CEILING TIE INS	5d	7/25/2023	7/31/2023



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Line	Name	Duration	Start	Finish
201	INSTALL MILLWORK	5d	8/1/2023	8/7/2023
202	MEP TRIM OUT	5d	8/1/2023	8/7/2023
203	INSTALL FLOORING-WEST AREAS	10d	8/8/2023	8/21/2023
204	INSTALL DOORS/SPECIALTIES	7d	8/16/2023	8/24/2023
205	FINAL PAINT-WEST	5d	8/25/2023	8/31/2023
	AREA "C" INTERIORS	**308d 1s**	**8/26/2022**	**11/14/2023**
206	HANGERS/LAYOUT O/H MEP	45d 1s	8/26/2022 A	10/31/2022 A
207	INTERIOR FRAMING-WEST WALL AND CONCESSIONS AREA	16d	9/19/2022 A	10/10/2022 A
208	IN WALL ROUGH IN MEP	16d	9/26/2022 A	10/17/2022 A
209	FS O/H ROUGH IN	4d	12/5/2022 A	12/8/2022 A
210	GREENBOARD ELECT 106-T/B/FIRST COAT	57d	1/3/2023 A	3/22/2023 A
211	ELECT 106 ROUGH IN	25d	1/11/2023 A	2/14/2023 A
212	SHEETROCK	53d	1/20/2023 A	7/18/2023
213	INSTALL INTERIOR GLAZING	47d	2/15/2023 A	7/20/2023
214	PAINT GYM CEILINGS	20d	3/22/2023 A	4/18/2023 A
215	T/B/P FIRST COAT	6d	4/13/2023 A	7/18/2023
216	TILE BATHROOMS	20d	4/19/2023 A	5/16/2023 A

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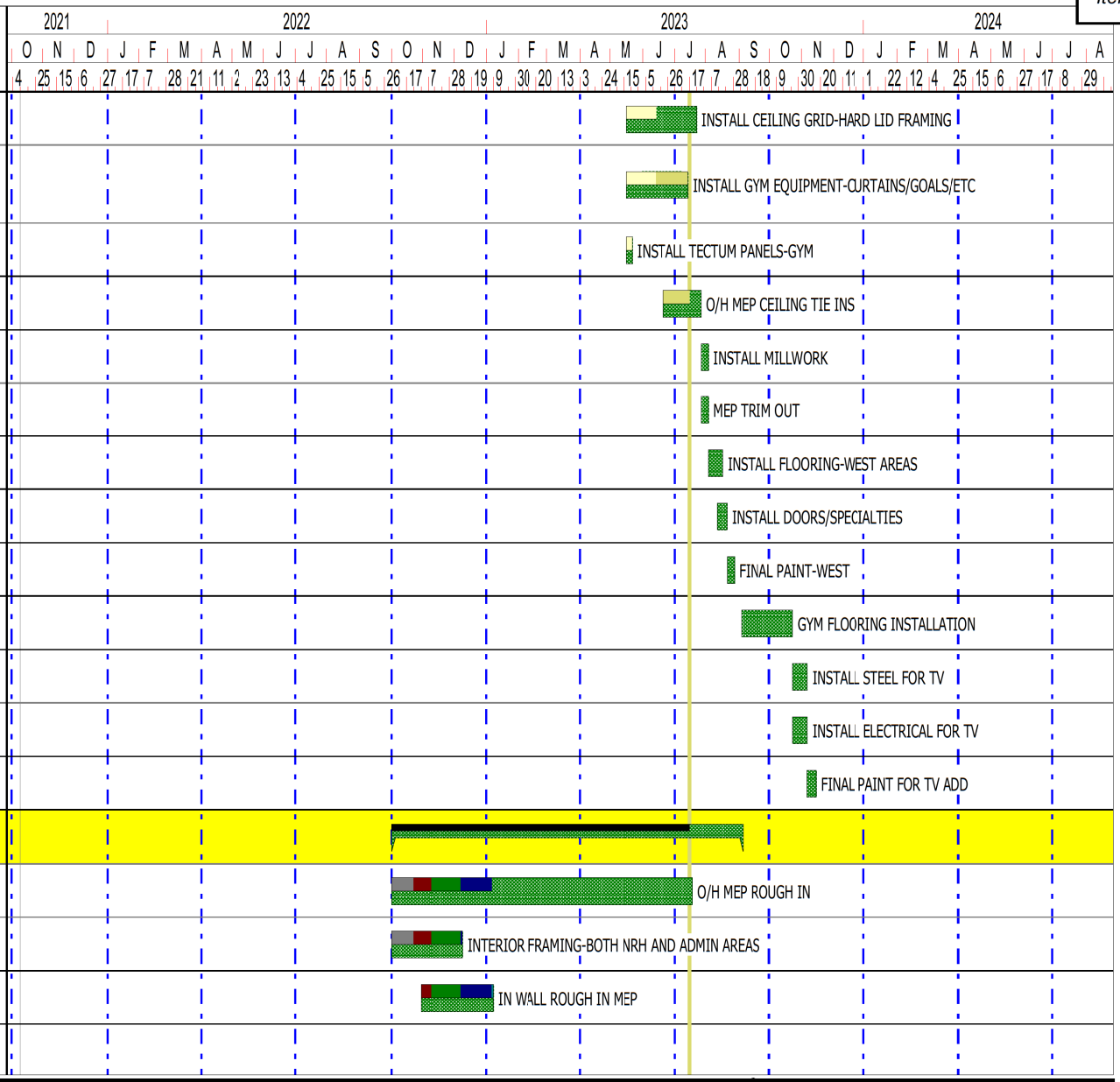
Line	Name	Duration	Start	Finish
217	INSTALL CEILING GRID-HARD LID FRAMING	20d	5/17/2023 A	7/21/2023
218	INSTALL GYM EQUIPMENT-CURTAINS/GOALS/ETC	38d	5/17/2023 A	7/13/2023 A
219	INSTALL TECTUM PANELS-GYM	4d	5/17/2023 A	5/22/2023 A
220	O/H MEP CEILING TIE INS	20d	6/21/2023 A	7/26/2023
221	INSTALL MILLWORK	5d	7/27/2023	8/2/2023
222	MEP TRIM OUT	5d	7/27/2023	8/2/2023
223	INSTALL FLOORING-WEST AREAS	10d	8/3/2023	8/16/2023
224	INSTALL DOORS/SPECIALTIES	7d	8/11/2023	8/21/2023
225	FINAL PAINT-WEST	5d	8/22/2023	8/28/2023
226	GYM FLOORING INSTALLATION	35d	9/5/2023	10/23/2023
227	INSTALL STEEL FOR TV	10d	10/24/2023	11/6/2023
228	INSTALL ELECTRICAL FOR TV	10d	10/24/2023	11/6/2023
229	FINAL PAINT FOR TV ADD	6d	11/7/2023	11/14/2023
	AREA "B" INTERIORS-FIRST FLOOR	**234d**	**10/3/2022**	**9/5/2023**
230	O/H MEP ROUGH IN	58d	10/3/2022 A	7/18/2023
231	INTERIOR FRAMING-BOTH NRH AND ADMIN AREAS	47d	10/3/2022 A	12/8/2022 A
232	IN WALL ROUGH IN MEP	45d	10/31/2022 A	1/6/2023 A



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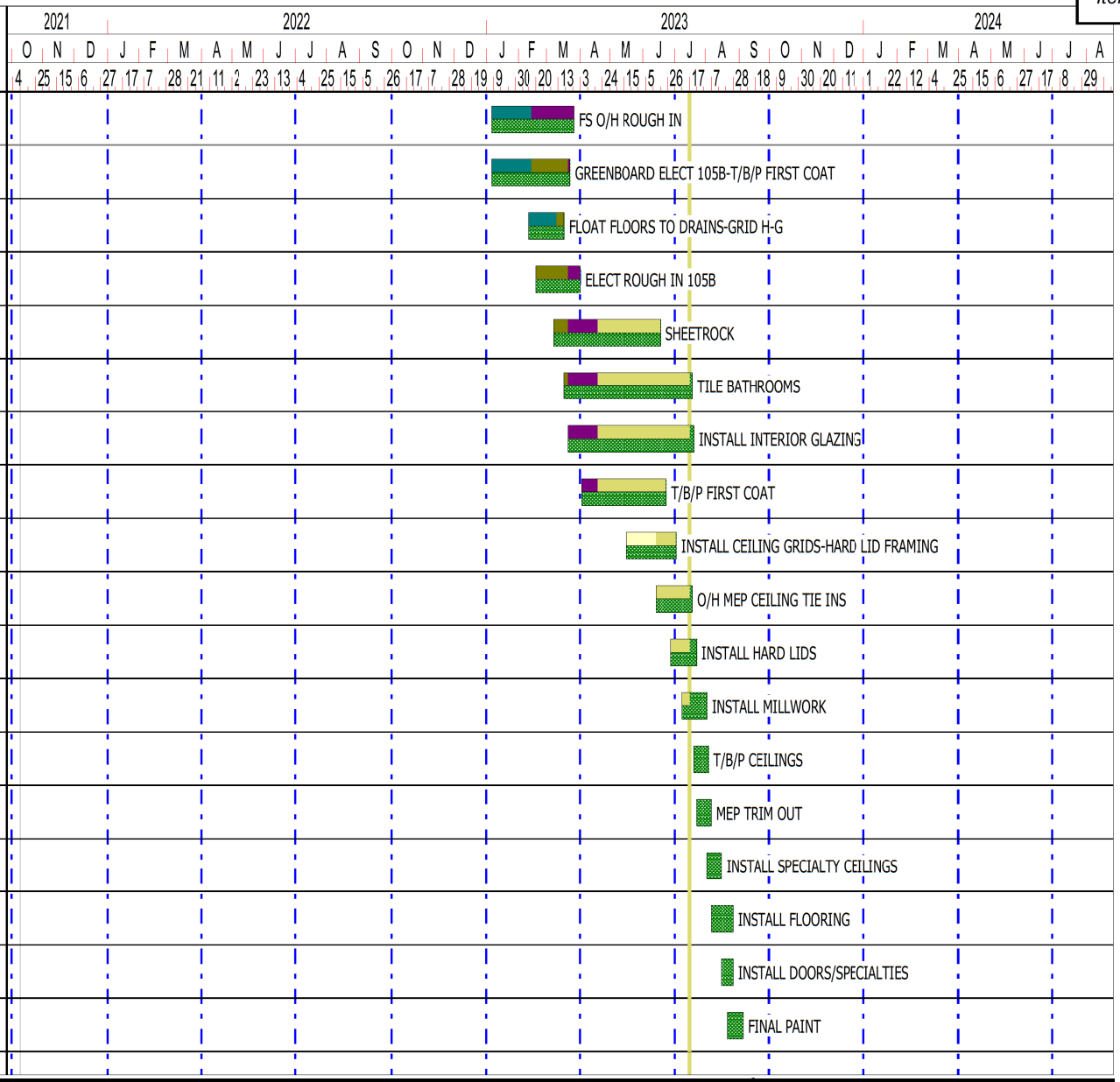
Line	Name	Duration	Start	Finish
233	FS O/H ROUGH IN	15d	1/6/2023 A	3/27/2023 A
234	GREENBOARD ELECT 105B-T/B/P FIRST COAT	54d	1/6/2023 A	3/22/2023 A
235	FLOAT FLOORS TO DRAINS-GRID H-G	24d	2/13/2023 A	3/16/2023 A
236	ELECT ROUGH IN 105B	29d	2/20/2023 A	3/31/2023 A
237	SHEETROCK	25d	3/8/2023 A	6/16/2023 A
238	TILE BATHROOMS	47d	3/17/2023 A	7/18/2023
239	INSTALL INTERIOR GLAZING	38d	3/22/2023 A	7/19/2023
240	T/B/P FIRST COAT	15d	4/4/2023 A	6/22/2023 A
241	INSTALL CEILING GRIDS-HARD LID FRAMING	21d	5/17/2023 A	7/3/2023 A
242	O/H MEP CEILING TIE INS	24d	6/14/2023 A	7/18/2023
243	INSTALL HARD LIDS	15d	6/28/2023 A	7/21/2023
244	INSTALL MILLWORK	9d	7/10/2023 A	8/1/2023
245	T/B/P CEILINGS	10d	7/20/2023	8/2/2023
246	MEP TRIM OUT	10d	7/24/2023	8/4/2023
247	INSTALL SPECIALTY CEILINGS	10d	8/2/2023	8/15/2023
248	INSTALL FLOORING	15d	8/7/2023	8/25/2023
249	INSTALL DOORS/SPECIALTIES	8d	8/16/2023	8/25/2023
250	FINAL PAINT	10d	8/22/2023	9/5/2023



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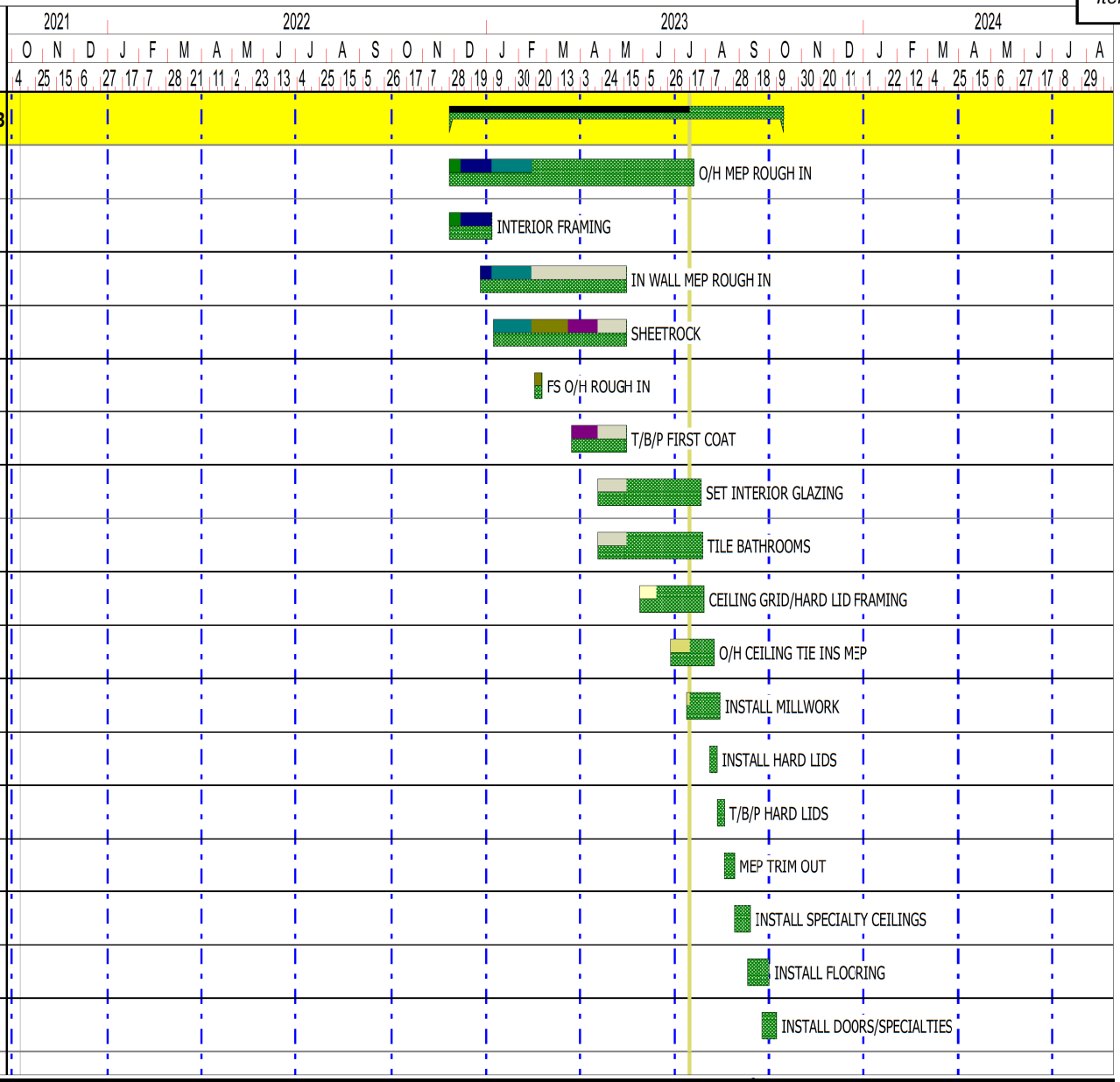
Line	Name	Duration	Start	Finish
	AREA "B" SECOND FLOOR	**224d**	**11/28/2022**	**10/13/2023**
251	O/H MEP ROUGH IN	43d	11/28/2022 A	7/19/2023
252	INTERIOR FRAMING	26d	11/28/2022 A	1/5/2023 A
253	IN WALL MEP ROUGH IN	55d	12/27/2022 A	5/16/2023 A
254	SHEETROCK	92d	1/9/2023 A	5/16/2023 A
255	FS O/H ROUGH IN	5d	2/17/2023 A	2/23/2023 A
256	T/B/P FIRST COAT	38d	3/24/2023 A	5/16/2023 A
257	SET INTERIOR GLAZING	28d	4/19/2023 A	7/26/2023
258	TILE BATHROOMS	29d	4/19/2023 A	7/27/2023
259	CEILING GRID/HARD LID FRAMING	13d	5/30/2023 A	7/28/2023
260	O/H CEILING TIE INS MEP	19d	6/28/2023 A	8/8/2023
261	INSTALL MILLWORK	6d	7/13/2023 A	8/14/2023
262	INSTALL HARD LIDS	5d	8/4/2023	8/10/2023
263	T/B/P HARD LIDS	5d	8/11/2023	8/17/2023
264	MEP TRIM OUT	7d	8/18/2023	8/28/2023
265	INSTALL SPECIALTY CEILINGS	10d	8/29/2023	9/12/2023
266	INSTALL FLOORING	15d	9/11/2023	9/29/2023
267	INSTALL DOORS/SPECIALTIES	10d	9/25/2023	10/6/2023



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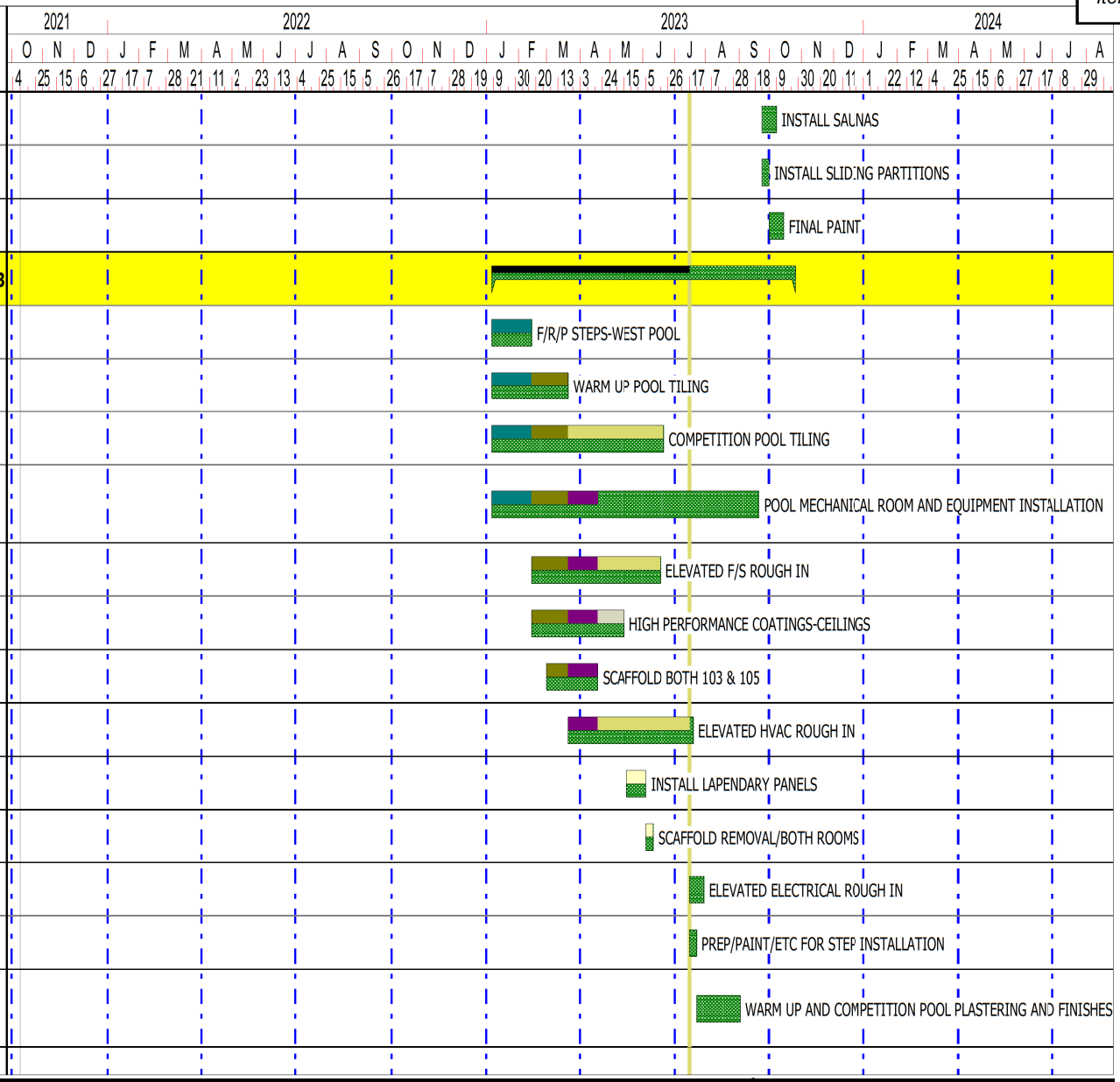
Line	Name	Duration	Start	Finish
268	INSTALL SAUNAS	10d	9/25/2023	10/6/2023
269	INSTALL SLIDING PARTITIONS	5d	9/25/2023	9/29/2023
270	FINAL PAINT	10d	10/2/2023	10/13/2023
	AREA "A" INTERIORS	**206d**	**1/6/2023**	**10/25/2023**
271	F/R/P STEPS-WEST POOL	28d	1/6/2023 A	2/14/2023 A
272	WARM UP POOL TILING	53d	1/6/2023 A	3/21/2023 A
273	COMPETITION POOL TILING	53d	1/6/2023 A	6/21/2023 A
274	POOL MECHANICAL ROOM AND EQUIPMENT INSTALLATION	90d	1/6/2023 A	9/20/2023
275	ELEVATED F/S ROUGH IN	37d	2/15/2023 A	6/16/2023 A
276	HIGH PERFORMANCE COATINGS-CEILINGS	34d	2/15/2023 A	5/12/2023 A
277	SCAFFOLD BOTH 103 & 105	32d	3/1/2023 A	4/18/2023 A
278	ELEVATED HVAC ROUGH IN	26d	3/22/2023 A	7/19/2023
279	INSTALL LAPENDARY PANELS	12d	5/17/2023 A	6/2/2023 A
280	SCAFFOLD REMOVAL/BOTH ROOMS	5d	6/5/2023 A	6/10/2023 A
281	ELEVATED ELECTRICAL ROUGH IN	10d	7/17/2023	7/28/2023
282	PREP/PAINT/ETC FOR STEP INSTALLATION	5d	7/17/2023	7/21/2023
283	WARM UP AND COMPETITION POOL PLASTERING AND FINISHES	30d	7/24/2023	9/1/2023



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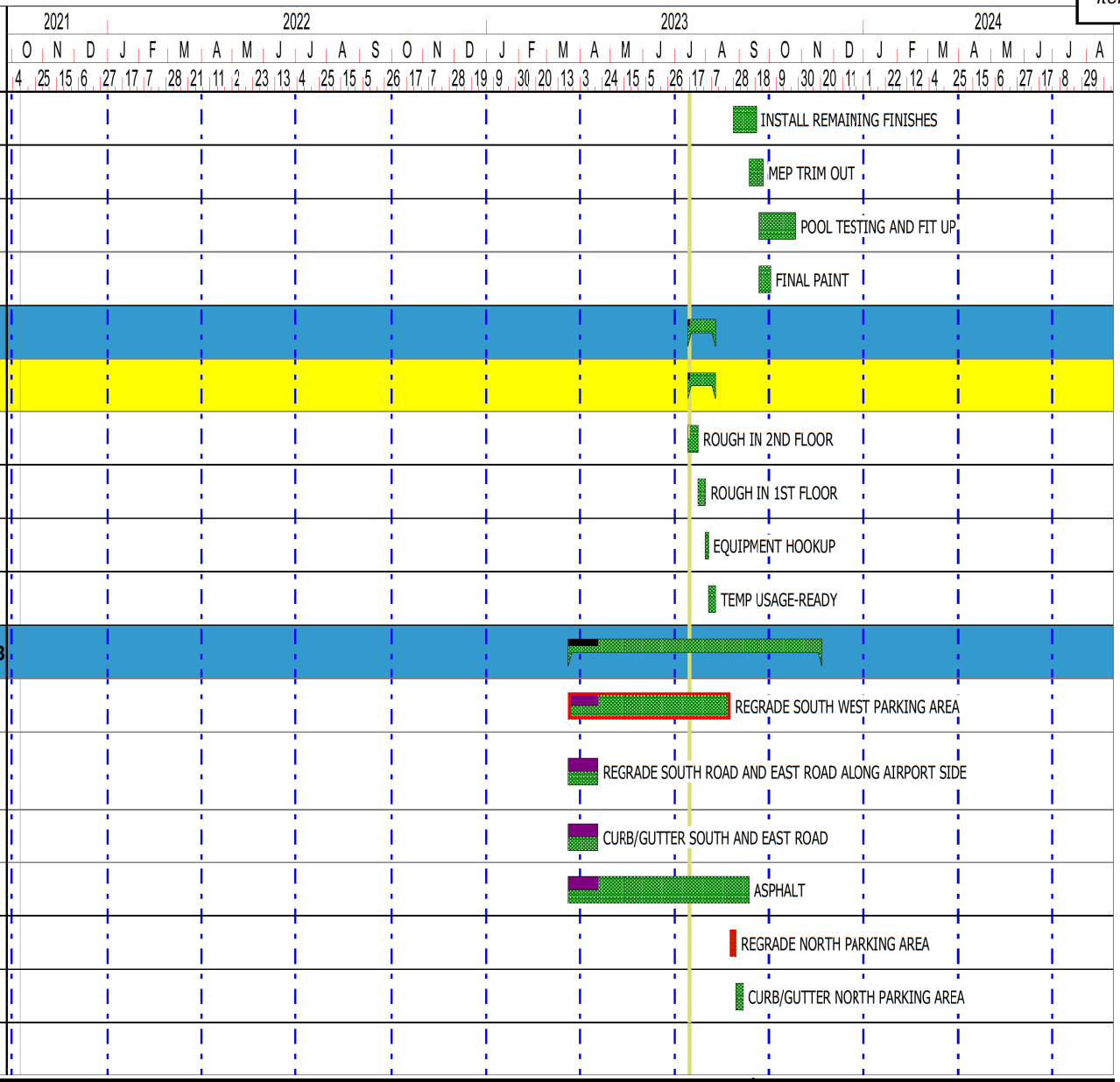
Line	Name	Duration	Start	Finish
284	INSTALL REMAINING FINISHES	15d	8/28/2023	9/18/2023
285	MEP TRIM OUT	10d	9/12/2023	9/25/2023
286	POOL TESTING AND FIT UP	25d	9/21/2023	10/25/2023
287	FINAL PAINT	8d	9/21/2023	10/2/2023
	CONVEYING	**19d**	**7/14/2023**	**8/9/2023**
	ELEVATOR	**19d**	**7/14/2023**	**8/9/2023**
288	ROUGH IN 2ND FLOOR	7d	7/14/2023 A	7/24/2023
289	ROUGH IN 1ST FLOOR	5d	7/25/2023	7/31/2023
290	EQUIPMENT HOOKUP	2d	8/1/2023	8/2/2023
291	TEMP USAGE-READY	5d	8/3/2023	8/9/2023
	SITE FINISHES	**171d**	**3/22/2023**	**11/20/2023**
292	REGRADE SOUTH WEST PARKING AREA	24d	3/22/2023 A	8/23/2023
293	REGRADE SOUTH ROAD AND EAST ROAD ALONG AIRPORT SIDE	20d	3/22/2023 A	4/18/2023 A
294	CURB/GUTTER SOUTH AND EAST ROAD	20d	3/22/2023 A	4/18/2023 A
295	ASPHALT	24d	3/22/2023 A	9/11/2023
296	REGRADE NORTH PARKING AREA	4d	8/24/2023	8/29/2023
297	CURB/GUTTER NORTH PARKING AREA	4d	8/30/2023	9/5/2023



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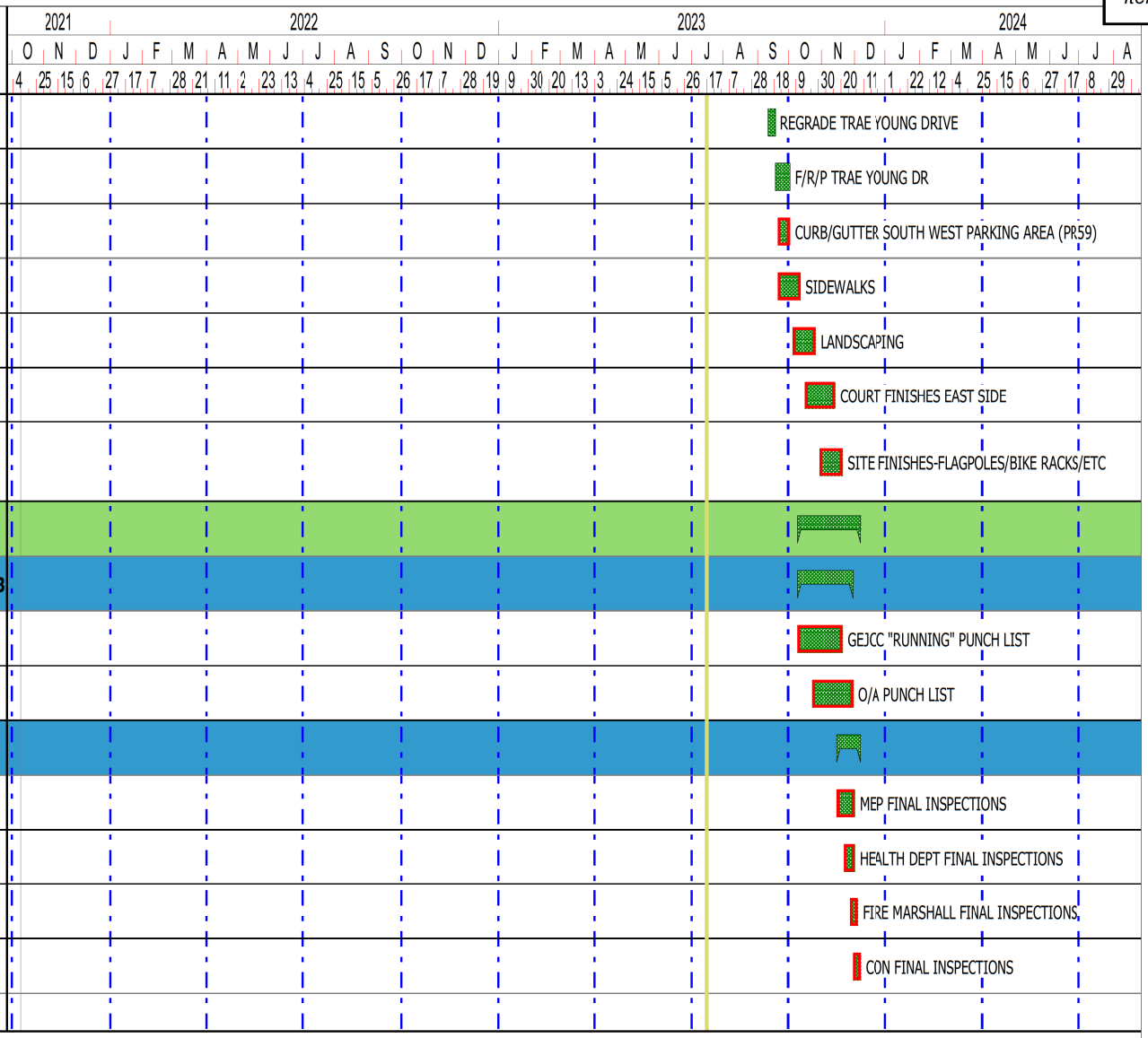
Line	Name	Duration	Start	Finish
298	REGRADE TRAE YOUNG DRIVE	5d	9/12/2023	9/18/2023
299	F/R/P TRAE YOUNG DR	10d	9/19/2023	10/2/2023
300	CURB/GUTTER SOUTH WEST PARKING AREA (PR59)	8d	9/21/2023	10/2/2023
301	SIDEWALKS	15d	9/21/2023	10/11/2023
302	LANDSCAPING	15d	10/5/2023	10/25/2023
303	COURT FINISHES EAST SIDE	20d	10/17/2023	11/13/2023
304	SITE FINISHES-FLAGPOLES/BIKE RACKS/ETC	15d	10/31/2023	11/20/2023
	CLOSEOUT	**40d**	**10/10/2023**	**12/6/2023**
	PUNCHLIST	**35d**	**10/10/2023**	**11/29/2023**
305	GEJCC "RUNNING" PUNCH LIST	30d	10/10/2023	11/20/2023
306	O/A PUNCH LIST	25d	10/24/2023	11/29/2023
	FINAL INSPECTIONS	**14d**	**11/15/2023**	**12/6/2023**
307	MEP FINAL INSPECTIONS	10d	11/15/2023	11/30/2023
308	HEALTH DEPT FINAL INSPECTIONS	5d	11/22/2023	11/30/2023
309	FIRE MARSHALL FINAL INSPECTIONS	5d	11/28/2023	12/4/2023
310	CON FINAL INSPECTIONS	5d	11/30/2023	12/6/2023



Milestone Appearances

Diamond

YFAC CPM

Progress Period Date: 7/17/2023

Print Date: 7/17/2023

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GEJOHNSON CONSTRUCTION COMPANY

EXHIBIT F
GMP AMENDMENT NO. 5

ACCEPTANCE PERIOD

1. Acceptance of GMP No. 5 is required on or before August 11, 2023.

2. Should the pricing and terms of the GMP Amendment No. 5 not be accepted prior to the above referenced date, the pricing for the scope of work included with GMP Amendment No. 5 will be null and void and the work will be re-priced and revised.