TACO BELL

ENDEAVOR 2.0
MEDIUM 40
VILLAGE OF PRASADA

TACO BELL™

SURPRISE, AZ

JURISDICTION: SURPRISE, AZ

BUILDING CODE:
The 2018 IBC Codes
ENERGY CODE: 2009 IECC
ELECTRICAL: 2017 NEC

OCCUPANCY: A2

BUILDING AREA: 2,248 S.F. SEATING: 40 INT / 12 EXT

COVERED PATIO AREA: 216 S.F.

AWNING (DRIVE THRU & PREPAY & SIDE) AREA: 84 S.F. ENTRANCE CANOPY

TYPE CONSTRUCTION: VB SPRINKLERED

PROJECT SUMMARY

OWNER
DDO-UTAH, LLC
P.O. BOX 4179
KINGMAN, AZ 86402
CONTACT: JASON GRAHAM
928.263.0861

ARCHITECT
GLMV ARCHITECTURE
1525 E. DOUGLAS AVE.
WICHITA, KS 67211
CONTACT: ROSA PADDOCK
PHONE: 316-265-9367

MECH. / ELEC. ENGINEER
DEVITA AND ASSOCIATES
1150 E. WASHINGTON ST
GREENVILLE, SC 29601
CONTACT: RYAN GRAY
PHONE: 864-527-0325

STRUCTURAL ENGINEER
BRITT PETERS & ASSOCIATES, INC.
1100 QUEENSBOROUGH BLVD., SUITE 202
MT. PLEASANT, SC 29464
CONTACT: WILLIAM UNDERWOOD
PHONE: 864-284-0400

CIVIL ENGINEER
OLSSON
1880 FALL RIVER DRIVE, STE. 211
LOVELAND, CO 80538
CONTACT: RYAN BANNING
PHONE: 970.461.7733

GEOTECHNICAL ENGINEER
GEC - SA&B
2801 SOUTH 35TH STREET
PHOENIX, AZ 85034
CONTACT: RYAN BANNING
PHONE: 602-393-4800970.461.7733

PROJECT DIRECTORY

NOT USED

A. ALL WORK SHALL CONFORM TO THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY OF SURPRISE, AZ AND MARICOPA COUNTY.

B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.

C. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECT'S OFFICE.

D. DRAWINGS ARE BASED ON A SURVEY PREPARED BY OLSSON.

E. THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION PREPARED BY GEC - SA&B DATED JANUARY 22, 2007. THE REPORT IS PART OF THESE CONTRACT DOCUMENTS, AND THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT ITS RECOMMENDATIONS, THOUGH SOME MAY NOT BE SPECIFICALLY DETAILED ON THE PLANS.

F. DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.

G. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE FRANCHISEE'S CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.

H. RETAIN THE PROJECT GEOTECHNICAL ENGINEER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING (INCLUDING UTILITY TRENCHES) AND FOUNDATION PHASE OF CONSTRUCTION AS RECOMMENDED IN THE GEOTECHNICAL REPORT. ALL TESTING AND INSPECTION REPORTS, INCLUDING FINAL SUMMATION LETTER, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND OWNER. G.C. SHALL CERTIFY PAD ELEVATION PRIOR TO START OF FOUNDATION WORK.

I. SUBMIT PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT. THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, HOOD ANSUL, OR OTHER RELATED FIRE PERMITS, ENCROACHMENT PERMIT, ETC. THE OWNER WILL PAY FOR "CONNECTION FEES" ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.

J. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.

K. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.

L. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.

M. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.

N. ALL MATERIALS STAGED TO BE USED FOR CONSTRUCTION SHALL BE PROTECTED FROM EXCESSIVE MOISTURE. IF THEY ARE EXPOSED TO MOISTURE THEY SHOULD BE ADEQUATELY DRIED BEFORE ENCAPSULATED INTO THE BUILDING.

O. ALL PAINTS, ADHESIVES, COATINGS AND SEALANTS USED INSIDE THE BUILDING SHALL HAVE A LOW VOC CONTENT.

P. THE FOLLOWING ITEMS ARE REQUIRED FOR THIS BUILDING PER LOCAL ORDINANCES 2019-31 AND 2021-01 AND SHOULD BE DEFERRED SUBMITTALS: FIRE SPRINKLER SYSTEM, FIRE ALARM SYSTEM, CO2 MONITORING SYSTEM, AND A FIRE HOOD SUPPRESSION SYSTEM. PLEASE INCLUDE THE DEFERRAL FORM FOUND AT HTTPS://WWW.SURPRISEAZ.GOV/1075/BUILDING- PERMITS AND DEFER ALL FOUR ITEMS.

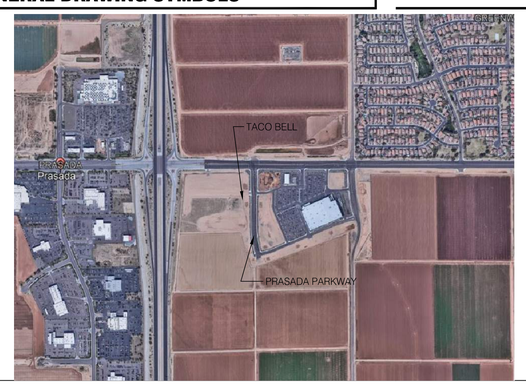
Q. FIRE HYDRANT WHERE REQUIRED. WHERE A PORTION OF THE FACILITY OR BUILDING HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION IS MORE THAN 400 FEET (122 M) FROM A HYDRANT ON A FIRE APPARATUS ACCESS ROAD, AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE FACILITY OR BUILDING, ON-SITE FIRE HYDRANTS AND MAINS SHALL BE PROVIDED WHERE REQUIRED BY THE FIRE CODE OFFICIAL.

PROJECT GENERAL NOTES

NAME	ROOM NAME
1 / 2 / 3 / 4 / AX.X	SHEET NUMBER / ELEVATION NUMBER
X'-X"	CEILING HEIGHT
X / AX.X	BLDG. SECTION LETTER / BLDG. SECTION SHEET
X / AX.X	DETAIL NUMBER / DIRECTION OF DETAIL / DETAIL SHEET
X	REVISION NUMBER
0'-0" ELEV	BLDG. HEIGHT REFERENCE POINT
X / AX.X	ELEV. LETTER / ELEV. SHEET
X	DOOR NUMBER
X	WINDOW NUMBER / DECOR ITEM NUMBER
X	EXTERIOR WALL FINISH NUMBER
X	KEY NOTE NUMBER
X-000	EQUIPMENT NUMBER
XX	INTERIOR FINISH
X	INTERIOR WALL TYPE
X	INTERIOR ELEVATION DESIGNATION
X	SHEAR WALL TYPE (STRUCTURAL)
XXX 000	EQUIPMENT / FIXTURE NUMBER (M.E.P.)

REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR SPECIFIC SYMBOLS

GENERAL DRAWING SYMBOLS



VICINITY MAP

REVISIONS: 1, 2

TITLE
T1.0 TITLE SHEET — 1, 2
LS1.0 LIFE SAFETY PLAN — 2
G3.0 PEST PREVENTION GUIDE
G4.0 SIGNAGE PLAN
G4.1 SIGNAGE DETAILS
SL100 SITE LIGHTING PLAN — 1, 2

CIVIL
SUBMITTED UNDER SEPARATE COVER

LANDSCAPE
SUBMITTED UNDER SEPARATE COVER

STRUCTURAL
S1.0 FOUNDATION PLAN
S2.0 WALL FRAMING PLAN
S3.0 ROOF FRAMING PLAN
S4.0 STRUCTURAL DETAILS (FOUNDATION)
S4.1 STRUCTURAL DETAILS (FRAMING)
S4.2 STRUCTURAL DETAILS
S4.3 STRUCTURAL DETAILS
S4.4 STRUCTURAL DETAILS
S5.0 MISC. DETAILS & SPECIAL INSPECTION

ARCHITECTURAL
A1.0 FLOOR PLAN — 1
A1.1 DOOR & WINDOW ELEVATIONS & SCHEDULES — 1
A2.0 EQUIPMENT AND SEATING PLAN — 1
A2.1 EQUIPMENT SCHEDULE — 1
A3.0 ROOF PLAN — 1
A4.0 EXTERIOR ELEVATIONS — 1, 2
A4.1 EXTERIOR ELEVATIONS — 1, 2
A5.0 WALL SECTIONS — 1
A5.1 WALL SECTIONS — 1
A5.2 WALL SECTIONS — 1
A6.0 CONSTRUCTION DETAILS ROOF
A6.1 CONSTRUCTION DETAILS DOOR / WINDOW
A6.2 CONSTRUCTION DETAILS WALL — 1
A6.3 FINISH DETAILS — 1
A6.4 CONSTRUCTION DETAILS INTERIOR
A6.5 CEILING DETAILS
A6.6 TOWER DETAILS
A7.0 FLOOR FINISH PLAN — 1
A7.1 REFLECTED CEILING PLAN — 1
A7.2 FINISH SCHEDULE
A8.0 INTERIOR ELEVATIONS DINING ROOM — 1
A8.1 INTERIOR ELEV. ENLARGED RESTROOM & OFFICE PLAN — 1
A8.2 INTERIOR ELEVATIONS KITCHEN
A8.3 INTERIOR ELEVATIONS KITCHEN
A9.0 DUMPSTER ENCLOSURE DETAILS — 1

ACCESSIBILITY
ADA1.0 ACCESSIBILITY REQUIREMENTS

MECHANICAL
M1.0 MECHANICAL SCHEDULES AND NOTES
M2.0 DUCT AND DIFFUSER PLAN — 1
M2.1 MECHANICAL ROOF PLAN — 1
M3.0 HOOD DRAWINGS PLANS AND SECTIONS
M4.0 MECHANICAL AND HOOD DETAILS

PLUMBING
P1.0 PLUMBING SCHEDULES AND NOTES — 1
P2.0 PLUMBING WASTE FLOOR PLAN
P3.0 PLUMBING WATER AND GAS FLOOR PLAN — 1
P4.0 PLUMBING ROUGH-IN FLOOR PLAN
P5.0 RISER DIAGRAM
P6.0 PLUMBING DETAILS

ELECTRICAL
E1.0 SITE ELECTRICAL PLAN — 1
E2.0 RISER DIAGRAM AND LEGEND — 1
E2.1 PANEL SCHEDULES AND LOAD SUMMARY — 1
E2.2 EQUIPMENT SCHEDULES
E3.0 POWER FLOOR PLAN — 1
E3.1 ENLARGED POWER PLAN AND DETAILS
E3.2 POWER ROOF PLAN
E4.0 LIGHTING PLAN AND SCHEDULE — 1
E5.0 COMMUNICATIONS PLAN — 1
E6.0 LIGHTING CONTROL DETAILS-TBCCB
E6.1 LIGHTING CONTROL DETAILS-TBCCB
E7.0 ELECTRICAL DETAILS
E7.1 ELECTRICAL DETAILS

FIRE PROTECTION
FP1.0 FIRE PROTECTION CRITERIA PLAN — 1

SCOPE OF WORK
SW1.0 SCOPE OF WORK

SPECIFICATIONS
IN BOOK FORMAT

SHEET INDEX

FS21-1005

GLMV Architecture
1525 E. Douglas Wichita, KS 67211
Tel: (316) 265-9367
www.glmv.com

REGISTERED ARCHITECT CERTIFICATE NO. 14032 DANIEL WILSON 5.6.22 ARIZONA, U.S.A.

13048R21005

1 4.19.21 REV 1
2 5.10.22 DRC RTC

CONTRACT DATE: 12.01.2021
BUILDING TYPE: END. MED40
PLAN VERSION: XX.XX.XXXX
SITE NUMBER: XXXXXX
STORE NUMBER:

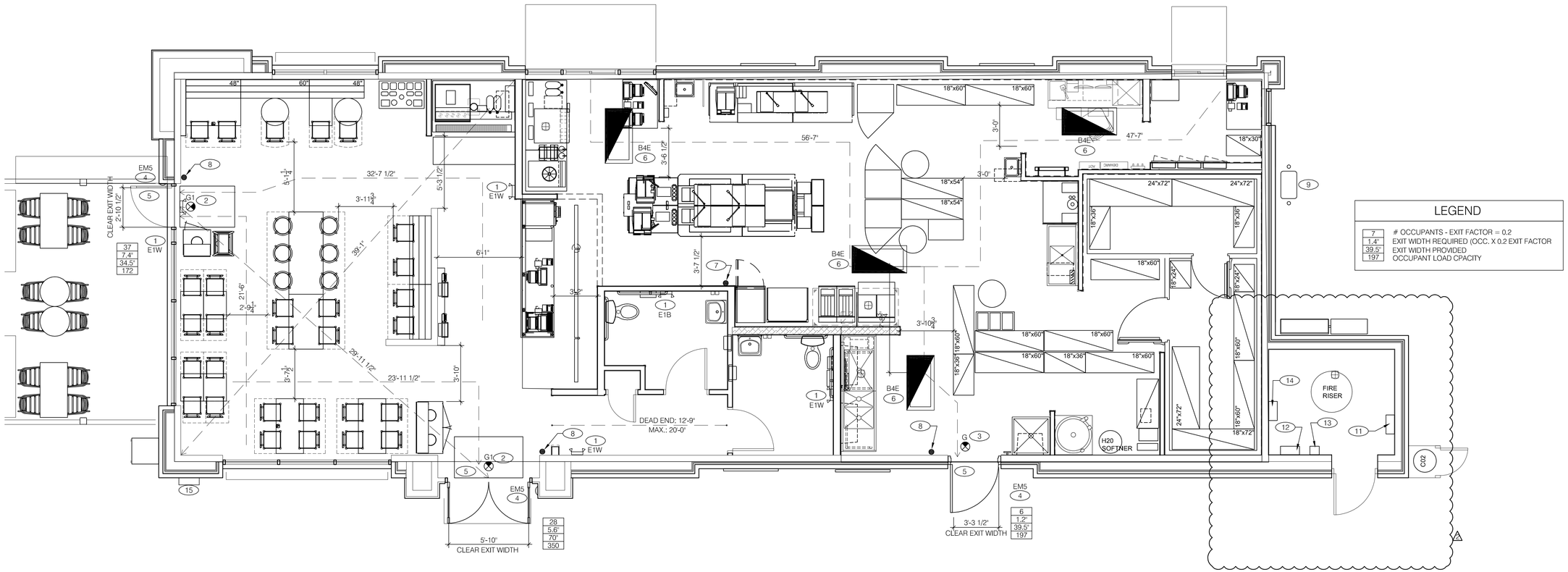
TACO BELL
VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

TITLE SHEET

T1.0

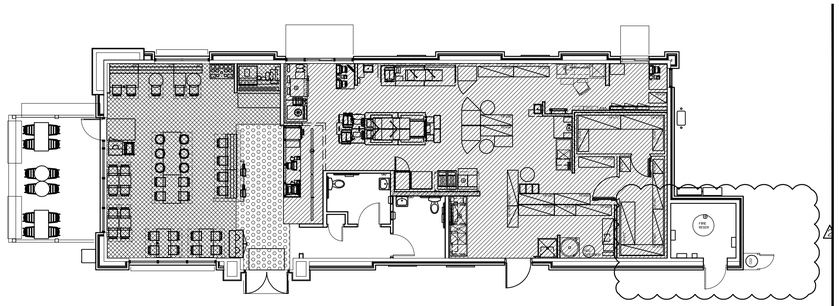
Xref .\END2.0M40-Border_LAWTON.dwg



LEGEND

7	# OCCUPANTS - EXIT FACTOR = 0.2
1.4"	EXIT WIDTH REQUIRED (OCC. X 0.2 EXIT FACTOR
39.5'	EXIT WIDTH PROVIDED
197	OCCUPANT LOAD CPACITY

FLOOR PLAN 1/4" = 1'-0" **A**



GROSS FLOOR AREA: 2,262 S.F.

	AREA	ALLOWANCE	LOAD	EGRESS WIDTH PER OCCUPANT	EGRESS WIDTH REQUIRED	ACTUAL WIDTH SHOWN
ASSEMBLY UNCONCENTRATED	552 S.F.	15 S.F./OCCUPANT	37 OCCUPANTS	.2"	7.4	34.5"
ASSEMBLY STANDING	136 S.F.	5 S.F./OCCUPANT	28 OCCUPANTS	.2"	5.6	70"
KITCHEN COMMERCIAL	1292 S.F.	200 S.F./OCCUPANT	7 OCCUPANTS	.2"	1.2	39.5"
TOTAL OCCUPANT LOAD			72 OCCUPANTS			

OCCUPANT LOAD **E**

NOT USED **D**

1. EMERGENCY LIGHT.
2. EXIT SIGN, LED UNIVERSAL MOUNT LED, CEILING MOUNT.
3. EXIT SIGN, LED UNIVERSAL MOUNT LED, WALL MOUNT.
4. REMOTE BATTERY PACK, WEATHERPROOF EXTERIOR EMERGENCY LIGHTS.
5. DOORS WITH PANIC HARDWARE INSTALLED: FALCON 1690 CONCEALED VERTICAL PANIC HARDWARE.
6. LED FLAT PANEL EMERGENCY LIGHT WITH INTEGRAL BATTERY PACK.
7. TYPE "K" FIRE EXTINGUISHER.
8. TYPE "ABC" FIRE EXTINGUISHER.
9. GAS METER
10. SWITCH GEAR REF. TO ELECTRICAL
11. DOCUMENT BOX
12. FACP
13. PULL STATION
14. SPARE SPRINKLER BOX
15. FDC

PLAN NOTES **B**

1. EXITS REQUIRED: 2 (2018 IBC 1015.1)
   EXITS PROVIDED: 3
2. AISLE WIDTH REQUIRED: 36 " MINIMUM CLEARANCE
   MINIMUM AISLE WIDTH PROVIDED: 36'
3. TRAVEL DISTANCE LIMIT: 200 FT. (IBC TABLE 1016.1)
   ACTUAL MAXIMUM TRAVEL DISTANCE: 52'-4"

GENERAL NOTES **C**

GLMV Architecture
1525 E. Douglas Wichita, KS 67211
Tel: (316) 263.9367
www.glmv.com

REGISTERED ARCHITECT
CERTIFICATE NO.
74032
DANIEL
WILSON
5-6-22
DATE SIGNED
ARIZONA, U.S.A.

13048R21005

5.10.22 DRC RTC

CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

LIFE SAFETY PLAN

LS1.0

PRASADA TACO BELL

CONSTRUCTION DOCUMENTS
FOR REPLAT OF LOT 1, VILLAGE AT PRASADA, REPLAT OF LOT 5
SECTION 13, TOWNSHIP 3 NORTH, RANGE 2 WEST, CITY OF SURPRISE,
MARICOPA COUNTY, ARIZONA

PROJECT TEAM CONTACTS

ENGINEER:
OLSSON
ATTN: LEN SWARTZ
2111 S 67TH ST, SUITE 200
OMAHA, NE 68106
PHONE: (402) 341–1116
E: LSWARTZ@OLSSON.COM

SITE CIVIL ENGINEER:
OLSSON
ATTN: RYAN BANNING
1880 FALL RIVER DR, SUITE 200
LOVELAND, CO 80538
PHONE: (970) 635–3737
E: RBANNING@OLSSON.COM

SURVEYOR:
OLSSON
ATTN: NIC SCHRADER
7878 N 16TH ST, SUITE 105
PHOENIX, AZ 85020
PHONE: (303) 374–3114
E: NSCHRADER@OLSSON.COM

ARCHITECT:
GLMV ARCHITECTURE
ATTN: KARISSA PANKRATZ
1525 E DOUGLAS
WICHITA, KS 67211
PHONE: (316) 867–4299
E: KARISSA.PANKRATZ@GLMV.COM

LANDSCAPE ARCHITECT:
OLSSON
ATTN: AMY SCHWENNER
7878 N 16TH ST, SUITE 105
PHOENIX, AZ 85020
PHONE: (480) 333–4369
E: ASCHWENNER@OLSSON.COM

AGENCY CONTACTS

IRRIGATION:
MARICOPA WATER DISCTRICT
14825 W. GRAND AVENUE
SURPRISE, AZ 85374
CONTACT: CHRISTINE CAIN
PH: (623) 235–6113
E: CHRISC@MWDAZ.COM

ELECTRIC:
ARIZONA PUBLIC SERVICE
PO BOX 53933
PHOENIX, AZ 85072
CONTACT: MARK GAWLITTA
PH: (623) 975–5725
E: MARK.GAWLITTA@APS.COM

PUBLIC WATER:
EPCOR
2355 WEST PINNACLE PEAK ROAD, SUITE 300
PHOENIX, AZ 85027
CONTACT: JOE WHELAN
PH: (623) 445–2495
E: JWHELAN@EPCOR.COM

CITY OF SURPRISE
16000 N CIVIC CENTER PLAZA
SURPRISE, AZ 85374
CONTACT: LORRAINE NEVAREZ
PH: (623) 222–3154
E: LORRAINE.NEVAREZ@SURPRISEAZ.GOV

VICINITY MAP
N.T.S.

SHEET INDEX		
#	DESCRIPTION	SHEET
1	COVER SHEET	C1.0
2	GENERAL NOTES	C1.1
3	GENERAL NOTES	C1.2
4	SITE PLAN	C2.0
5	FUTURE DEVELOPMENT SITE PLAN	C2.1
6	HORIZONTAL CONTROL PLAN	C3.0
7	PAVING PLAN	C3.1
8	EROSION CONTROL PLAN PHASE 1	C3.2
9	EROSION CONTROL PLAN PHASE 2 & 3	C3.3
10	GRADING PLAN	C4.0
11	UTILITY PLAN	C5.0
12	STORM SEWER PLAN	C5.1
13	SITE DETAILS	C6.0
14	SITE DETAILS	C6.1
15	SITE DETAILS	C6.2
16	UTILITY DETAILS	C6.3
17	UTILITY DETAILS	C6.4
18	UTILITY DETAILS	C6.5
19	EROSION CONTROL DETAILS	C6.6
20	PHOTOMETRIC PLAN	P100
* 21	PUBLIC SAFETY AND FIRE PREVENTION PLAN	REF1

*PLAN IS PER APPROVED VILLAGE AT PRASADA PLANS DATED 01/24/2022 AND IS FOR REFERENCE ONLY

LEGAL DESCRIPTION:

REPLAT OF LOT 1, VILLAGE AT PRASADA, REPLAT OF LOT 5, OF "AMENDED REPLAT OF LOT 3, PRASADA – PHASE 1B NORTH," ACCORDING TO THE PLAT RECORDED IN BOOK 1584 OF MAPS, PAGE 22, RECORDS OF MARICOPA COUNTY, ARIZONA.

BENCHMARK:

CITY OF SURPRISE BRASS CAP STAMPED "16–6C LS 17548", LOCATED 6.9' NORTHWEST OF THE PLATTED POINT OF CURVATURE OF 168TH AVENUE, ALONG THE CENTERLINE OF 168TH AVENUE AND, 43' SOUTHWEST OF THE CENTERLINE OF SARIVAL AVENUE. NAVD88 ELEV(IFT) = 1204.20'

BASIS OF BEARING:

THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 3 NORTH, RANGE 2 WEST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA. SAID LINE BEARING S89°42'19"E AS MEASURED AND S89°42'33"E AS TAKEN FROM GDADCS, RECORDED IN BOOK 661, PAGE 18, MARICOPA COUNTY RECORDS.

FLOOD ZONE:

THIS PROPERTY IS LOCATED WITHIN AN AREA HAVING A FLOOD ZONE DESIGNATION 'ZONE X', BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP (FIRM) NO. 04013C1660L, WITH A REVISION DATE OF OCTOBER 16, 2013, FOR COMMUNITY NO. 040053, SURPRISE, ARIZONA. ZONE X BEING DEFINED AS: AREAS WITH 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANGE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

"APPROVAL FOR CONSTRUCTION" SIGNATURES

EPCOR WATER ARIZONA, INC. DATE

EPCOR

WATER SYSTEM OWNER OPERATOR

UTILITY REVIEW:

THESE PLANS HAVE BEEN SUBMITTED TO THE FOLLOWING UTILITY COMPANIES. WHERE THE WORK TO BE DONE CONFLICTS WITH ANY OF THESE UTILITIES, THE CONFLICTS SHALL BE RESOLVED AS SPECIFIED IN THE SPECIAL PROVISIONS AND/OR AS OTHERWISE NOTED ON THESE PLANS. CONFLICTS ARISING DURING THE COURSE OF CONSTRUCTION FROM UNFORESEEN CIRCUMSTANCES SHALL BE REPORTED TO THE INTERESTED UTILITY COMPANY AND BE RESOLVED BY THEM AND THE DESIGN ENGINEER.

ARIZONA PUBLIC SERVICE (623) 975–5711	MARK LACKEY COMPANY REPRESENTATIVE	01/28/2022 DATE
EPCOR (623) 445–2495	RUBEN VELOZ COMPANY REPRESENTATIVE	01/27/2022 DATE
SOUTHWEST GAS (602) 395–4025	GARTH BRETON COMPANY REPRESENTATIVE	02/09/2022 DATE
CENTURY LINK (602) 630–5476	BILL KRAEMER COMPANY REPRESENTATIVE	01/28/2022 DATE
COX COMMUNICATIONS (623) 328–3709	KENDRA TURNER COMPANY REPRESENTATIVE	02/03/2022 DATE

*DRY UTILITY COMPANIES DIDN'T REQUIRE SUBMITTALS BUT COORDINATION HAS OCCURRED (SHOWN WITH DATE). THE DEVELOPER OF THE VILLAGE AT PRASADA IS PROVIDING REMAINING DRY UTILITY COORDINATION.

APPROVALS:

THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY REQUIREMENTS PRIOR TO ISSUANCE OF PERMITS. THE CITY NEITHER ACCEPTS NOR ASSUMES ANY LIABILITY FOR ERRORS OR OMISSIONS. THIS COMPLIANCE APPROVAL SHALL NOT PREVENT THE CITY ENGINEER FROM REQUIRING CORRECTIONS OF ERRORS OR OMISSIONS IN PLANS FOUND TO BE IN VIOLATION OF LAWS OR ORDINANCES.

CITY OF SURPRISE ENGINEER DATE

MARICOPA COUNTY ENVIRONMENTAL SERVICES NOTE:

IN ACCORDANCE WITH AAC R18–119, ALL MATERIALS ADDED AFTER JANUARY 1, 1993 WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61. THE R18–119 CAN BE OBTAINED FROM THE OFFICE OF THE ARIZONA SECRETARY OF STATE (PHONE: 602–542–4086). THE NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61 LISTINGS CAN BE OBTAINED FROM NSF INTERNATIONAL (PHONE: 303–789–8010).

APPROVALS:

MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT DATE

AS-BUILT CERTIFICATION:

I CERTIFY THAT THE "AS–BUILT" INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST MY KNOWLEDGE AND BELIEF.
APPROVED
ENGINEER OF RECORD DATE

REGISTRATION NO.

UNDERGROUND UTILITY NOTE:
THE UTILITIES DEPICTED HEREON ARE BASED UPON THE FIELD SURVEY. CONTRACTOR TO CONTACT BLUE STAKE 48 HOURS PRIOR TO ANY ONSITE CONSTRUCTION AND VERIFY EXACT LOCATION OF ALL UTILITIES. IF DISCREPANCIES EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.

olsson
7878 North 16th Street, Suite 105
Phoenix, AZ 85020-5282
TEL 602.748.1000
FAX 602.748.1001
www.olsson.com

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
CERTIFICATE NO. 73860
RODNEY L. HANSON
DATE SIGNED 05-06-22
ARIZONA U.S.A.

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

REV. NO.	DATE	REVISIONS DESCRIPTION

REVISIONS

CONSRUCTION DOCUMENTS
COVER SHEET

TACO BELL - PAD B
PRASADA REGIONAL SHOPPING CENTER

SURPRISE, AZ 85388

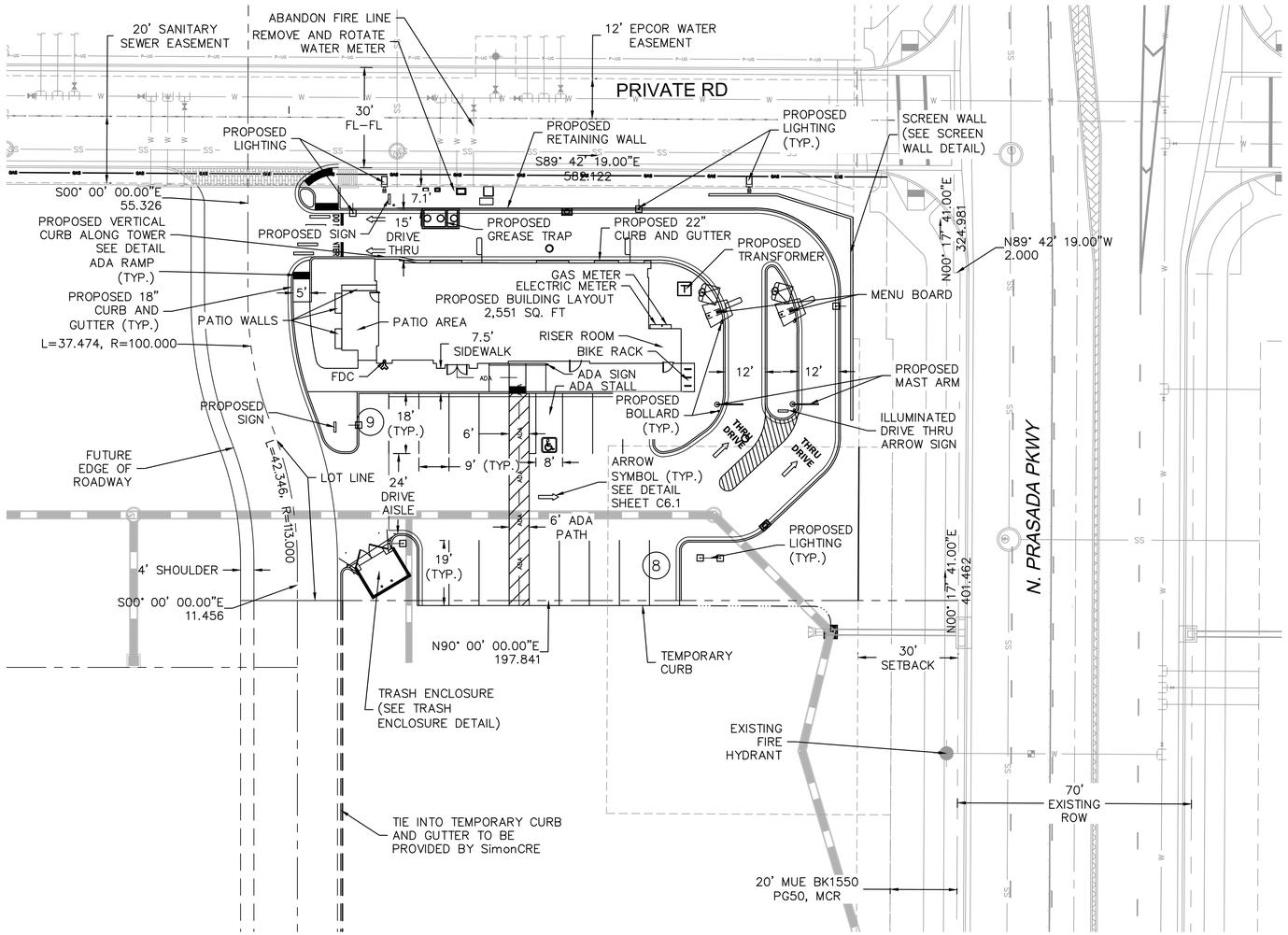
2022

drawn by: DP
designed by: DP
checked by: RB
project no.: C_TTL01_02106068.dwg
date: 05.06.2022

SHEET C1.0
1 of 21

CASE #S21–1005

DWG: F:\2021\06001-06500\021-06068\40-Design\AutoCAD\Final Plans\Sheets\GNCV\C_TTL01_02106068.dwg USER: dpendleton
DATE: May 06, 2022 2:47pm XREFS: C_PTBLK_02106068 C_XBASE_02106068 AMY_SCHWENNER_LA_AZ



SITE DATA TABLE		
GROSS BUILDING AREA		2551 SF
FLOOR AREA RATIO		0.11
LOT COVERAGE		23123 SF
		0.53 ACRES
OCCUPANCY CLASSIFICATION		GROUP B
BUILDING HEIGHT	STORIES	1
	FEET	24
PARKING	REQUIRED	12
	PROVIDED	17
SITE ACREAGE	GROSS	23123 SF
	NET	37098 SF

*NOTE: CONTRACTOR TO DETERMINE CONSTRUCTION TYPE(S) AT TIME OF CONSTRUCTION.

BENCHMARK:
CITY OF SURPRISE BRASS CAP STAMPED "16-6C LS 17548", LOCATED 6.9' NORTHWEST OF THE PLATTED POINT OF CURVATURE OF 168TH AVENUE, ALONG THE CENTERLINE OF 168TH AVENUE AND, 43' SOUTHWEST OF THE CENTERLINE OF SARIVAL AVENUE. NAVD88 ELEV(IFT) = 1204.20'

BASIS OF BEARING:
THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 3 NORTH, RANGE 2 WEST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA. SAID LINE BEARING S89°42'19"E AS MEASURED AND S89°42'33"E AS TAKEN FROM GDADCS, RECORDED IN BOOK 661, PAGE 18, MARICOPA COUNTY RECORDS.

FLOOD ZONE:
THIS PROPERTY IS LOCATED WITHIN AN AREA HAVING A FLOOD ZONE DESIGNATION 'ZONE X', BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP (FIRM) NO. 04013C1660L, WITH A REVISION DATE OF OCTOBER 16, 2013, FOR COMMUNITY NO. 040053, SURPRISE, ARIZONA. ZONE X BEING DEFINED AS: AREAS WITH 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANGE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

N

0' 10' 20' 40'
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REV. NO.	DATE	REVISIONS DESCRIPTION

REVISIONS

CONSRUCTION DOCUMENTS
SITE PLAN

TACO BELL - PAD B
PRASADA REGIONAL SHOPPING CENTER

SURPRISE, AZ 85388

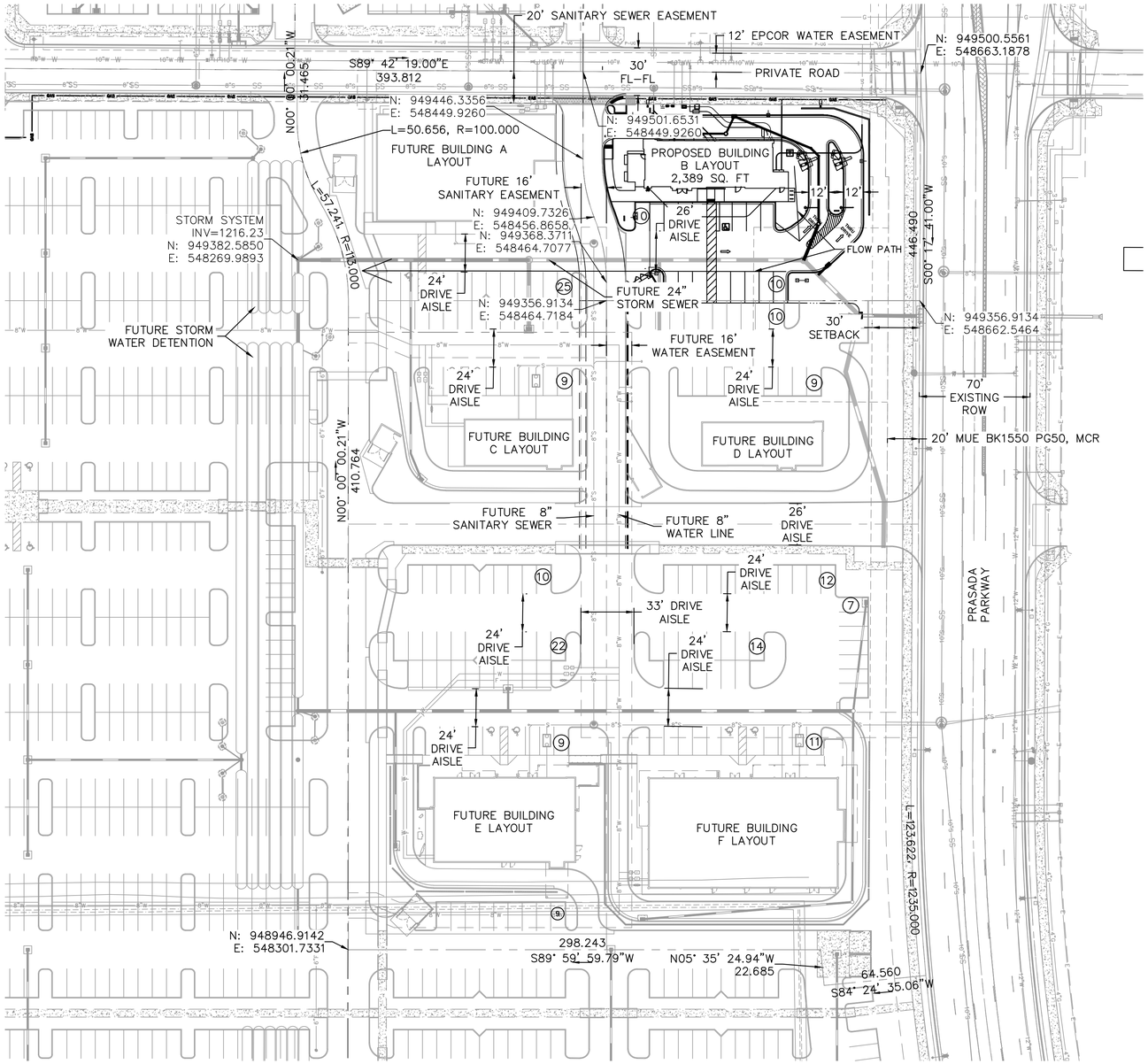
2022

drawn by: DP
designed by: DP
checked by: RB
project no.: C_SIT01_02106068.dwg
date: 05.06.2022

SHEET C2.0
4 of 21

CASE #FS21-1005

DWG: F:\2021\06001-06500\021-06068\40-Design\AutoCAD\Final Plans\Sheets\GNCV\C_SIT01_02106068.dwg USER: dpendleton
DATE: May 06, 2022 2:47pm XREFS: C_XBASE_02106068 C_FBASE_B183610 C_PBASE_02106068 C_PTBLK_02106068 AMY_SCHWENNER_LA_AZ C_PUTIL_02106068



NOTES:
- SEE END OF THE PLAN SET FOR REFERENCE FIRE SAFETY PLAN SHEET.

BENCHMARK:
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CERTIFICATE NO. 73860
RODNEY L. HANSON
ARIZONA U.S.A.
EXPIRES 12/31/2023

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REV. NO.	DATE	REVISIONS DESCRIPTION

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CONSRUCTION DOCUMENTS
FUTURE DEVELOPMENT SITE PLAN

TACO BELL - PAD B
PRASADA REGIONAL SHOPPING CENTER

SURPRISE, AZ 85388

2022

drawn by: DP
designed by: DP
checked by: RB
project no.: C_SIT02_02106068.dwg
date: 05.06.2022

SHEET C2.1
5 of 21

CASE #FS21-1005

DWG: F:\2021\06001-06500\021-06068\40-Design\AutoCAD\Final Plans\Sheets\GNCV\C_SIT02_02106068.dwg USER: dpendleton
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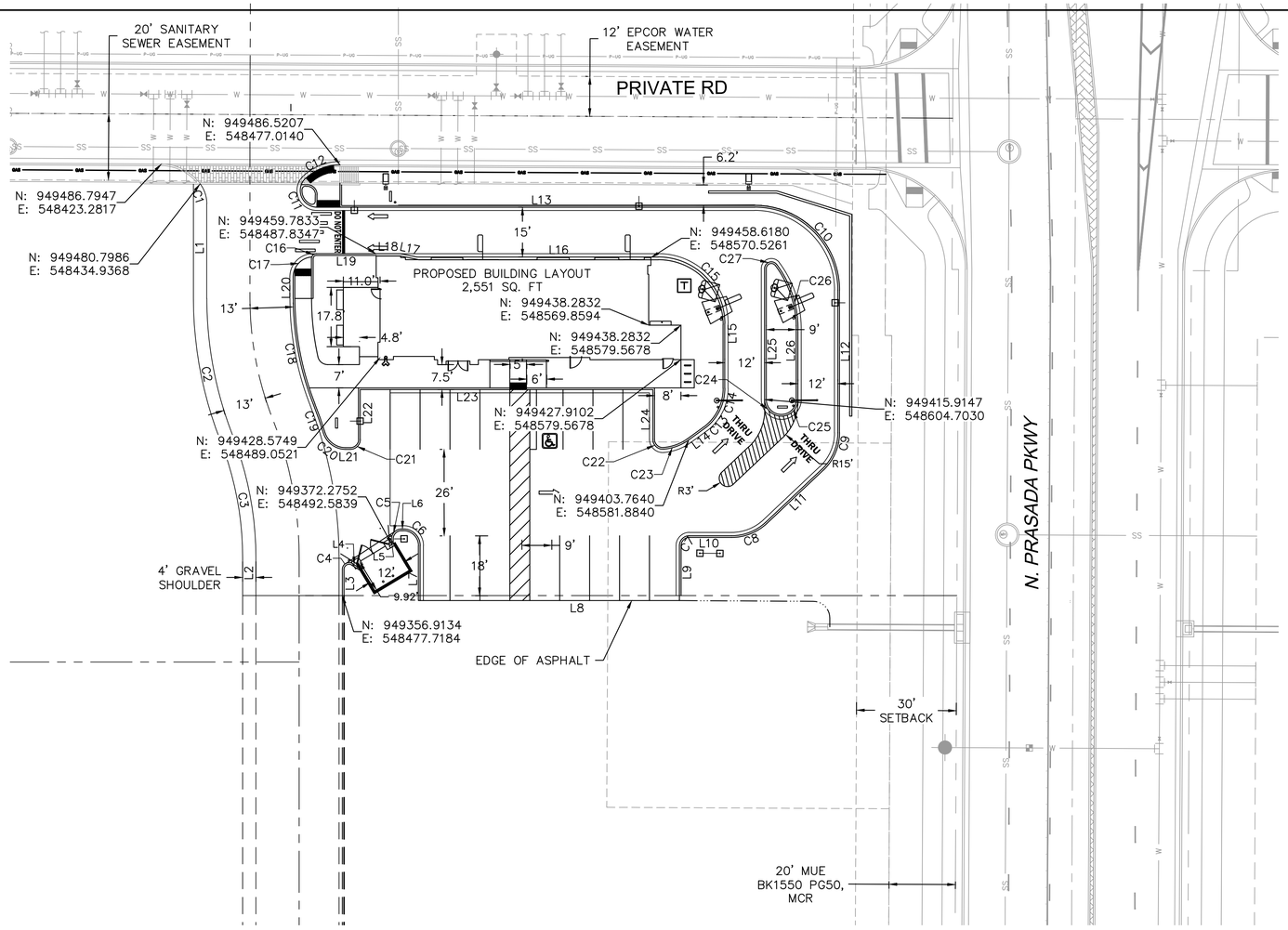

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LINE TABLE

LINE ID #	DIRECTION	LENGTH (FT)
L1	N0°00'00"E	28.46
L2	N0°00'00"E	11.46
L3	S0°00'00"E	7.90
L4	N57°58'47"W	2.02
L5	S3°58'47"E	1.43
L6	N90°00'00"W	0.60
L7	N0°00'00"E	16.50
L8	N90°00'00"W	78.00
L9	S0°00'00"E	16.50
L10	S90°00'00"W	12.66
L11	S46°38'52"W	23.33
L12	S0°00'00"E	42.86
L13	N90°00'00"E	131.64
L14	N54°05'32"E	6.16
L15	N0°00'00"E	19.54

LINE TABLE

LINE ID #	DIRECTION	LENGTH (FT)
L16	N90°00'00"W	72.60
L17	N78°27'44"W	5.00
L18	N90°00'00"W	7.37
L19	N90°00'00"W	17.90
L20	S0°00'00"E	6.45
L21	N90°00'00"E	1.38
L22	N0°00'00"E	15.00
L23	N90°00'00"E	88.00
L24	S0°00'00"E	14.96
L25	S0°00'00"E	39.40
L26	N0°00'00"E	21.05

CURVE TABLE

CURVE ID #	RADIUS (FT)	LENGTH (FT)	DELTA	CHORD BEARING	CHORD LENGTH (FT)
C1	10.00	6.44	036°52'12"	N18°26'06"W	6.32
C2	113.00	42.35	021°28'16"	N10°44'08"W	42.10
C3	100.00	37.47	021°28'16"	N10°44'08"W	37.26
C4	2.00	4.26	122°01'13"	S61°00'36"W	3.50
C5	3.00	4.92	093°58'47"	S43°00'36"W	4.39
C6	5.00	7.85	090°00'00"	N45°00'00"W	7.07
C7	3.00	4.71	090°00'00"	S45°00'00"W	4.24
C8	15.00	11.35	043°21'08"	S68°19'26"W	11.08
C9	15.00	12.21	046°38'52"	S23°19'26"W	11.88
C10	25.00	39.27	090°00'00"	S45°00'00"E	35.36
C11	5.00	11.92	136°32'20"	S21°43'50"E	9.29
C12	14.99	11.45	043°46'12"	S68°25'26"W	11.17
C13	15.00	6.34	024°11'54"	N40°12'10"E	6.29

CURVE TABLE

CURVE ID #	RADIUS (FT)	LENGTH (FT)	DELTA	CHORD BEARING	CHORD LENGTH (FT)
C14	15.00	7.36	028°06'12"	N14°03'06"E	7.28
C15	20.00	31.42	090°00'00"	N45°00'00"W	28.28
C16	1.50	1.86	071°07'19"	S54°26'20"W	1.74
C17	6.00	9.01	085°59'33"	S42°59'47"W	8.18
C18	87.00	32.60	021°28'16"	S10°44'08"E	32.41
C19	126.00	9.18	004°10'27"	S19°23'02"E	9.18
C20	7.00	8.88	072°42'12"	S53°38'54"E	8.30
C21	3.00	4.71	090°00'00"	N45°00'00"E	4.24
L1	???	28.46	???	???	???
L2	???	11.46	???	???	???
L3	???	7.90	???	???	???
L4	???	2.02	???	???	???
L5	???	1.43	???	???	???

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REV. NO.	DATE	REVISIONS DESCRIPTION

REVISIONS

CONSRUCTION DOCUMENTS
HORIZONTAL CONTROL PLAN

TACO BELL - PAD B
PRASADA REGIONAL SHOPPING CENTER

SURPRISE, AZ 85388

2022

drawn by: DP
designed by: DP
checked by: RB
project no.: C_HRZ01_02106068.dwg
date: 05.06.2022

SHEET C3.0
6 of 21

CASE #FS21-1005

DWG: F:\2021\06001-06500\021-06068\40-Design\AutoCAD\Final Plans\Sheets\GNCV\C_HRZ01_02106068.dwg USER: dpendleton
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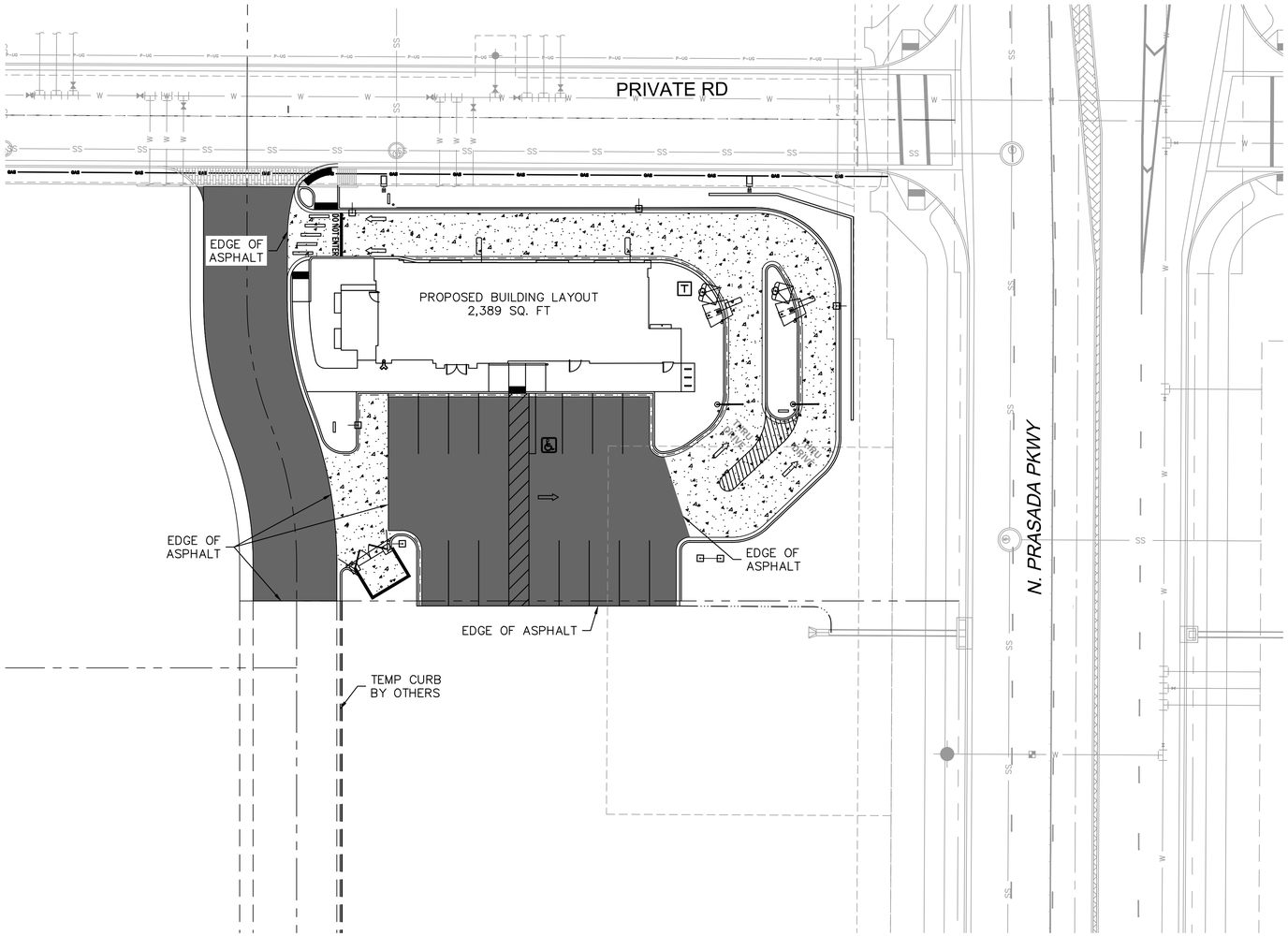
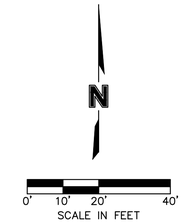


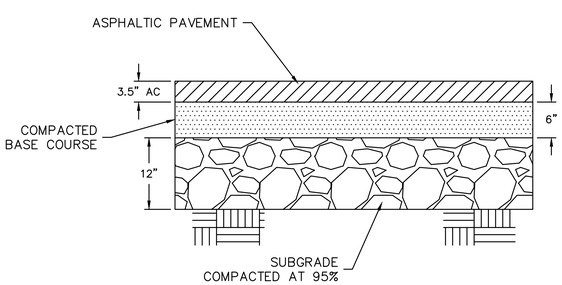


LEGEND:

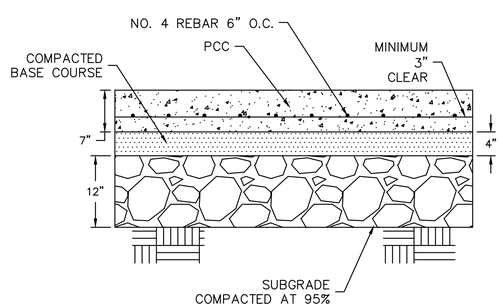
HEAVY DUTY PAVEMENT	
CONCRETE PAVEMENT	
18" OUTFALL CURB AND GUTTER	
18" INFALL CURB AND GUTTER	
TEMP 6" ASPHALT CURB	

NOTES:

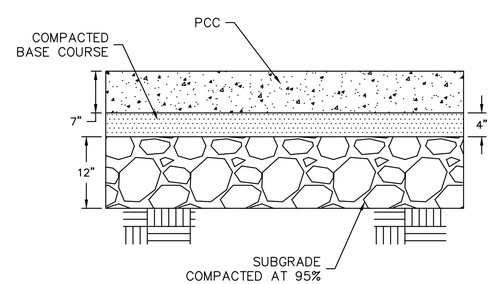
1. PAVING ALONG THE WEST LANE WILL BE CONSTRUCTED AS A PART OF THE PRASADA TACO BELL PLANS.



HEAVY PAVEMENT SECTION



REINFORCED PAVEMENT SECTION



UN-REINFORCED PAVEMENT SECTION

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RODNEY L. HANSON
DATE SIGNED 05-06-22
ARIZONA U.S.A.

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REV. NO.	DATE	REVISIONS DESCRIPTION

REVISIONS

CONSRUCTION DOCUMENTS
PAVING PLAN

TACO BELL - PAD B
PRASADA REGIONAL SHOPPING CENTER

SURPRISE, AZ 85388

2022

drawn by: DP
designed by: DP
checked by: RB
project no.: C_PAV01_02106068.dwg
date: 05.06.2022

SHEET C3.1
7 of 21

CASE #S21-1005

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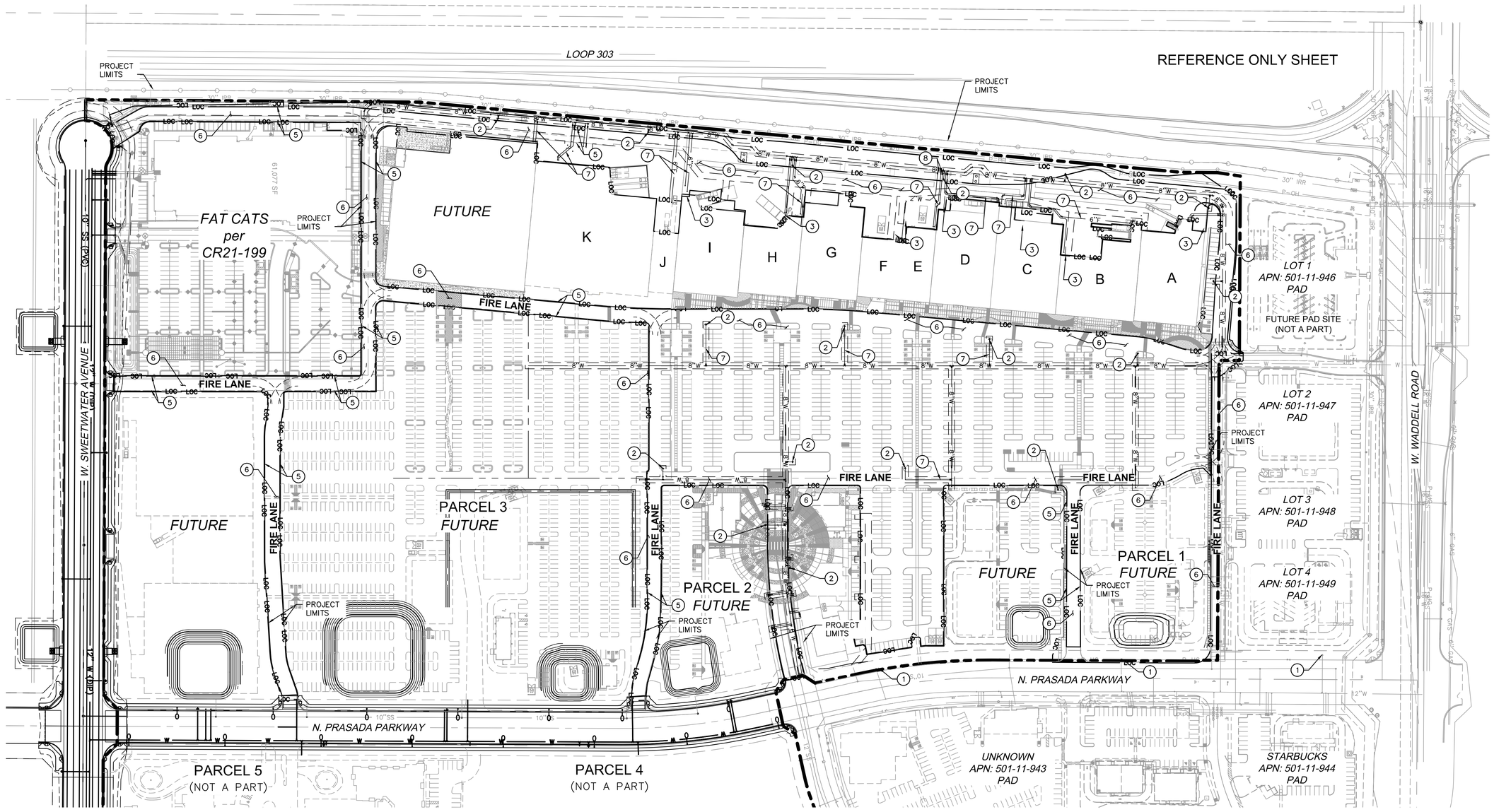

LEGEND

LINES TYPES	SYMBOLS	EXISTING	PROPOSED
PROPERTY LINE	FIRE HYDRANT		
RIGHT OF WAY	WATER VALVE		
EASEMENT LINE	WATER METER		
SETBACK LINE	BACK FLOW DEVICE		
CENTER LINE	FDC		
WATER LINE (W)	SANITARY MANHOLE		
SEWER LINE (SS)	SANITARY CLEANOUT		
STORM LINE (SD)	STORM MANHOLE		
UG POWER (P-UG)	GRATE INLET		
OVERHEAD POWER (P-OH)	CURB INLET		
UG GAS (GAS)	LIGHT POLE		
UG COMMUNICATION (COMM)	TRANSFORMER PAD		
UG TELEPHONE (TEL)	ELECTRIC BOX		
EXISTING WATER (EX" W)	ELECTRIC CABINET		
EXISTING SEWER (EX SS)	TELE PEDESTAL		
EXISTING STORM (EX SD)	POST SIGN		
FIRE ROUTE TURN RADIUS (SU-40) R36.4' R52.8'	BARRICADE		

SAFETY / FIRE PREVENTION NOTES:

1. THERE WILL BE NO STORAGE OF HAZARDOUS MATERIALS.
2. GAS SERVICE IS TBD.
3. FLOW TEST AT FIRE HYDRANT AT INTERSECTION OF WADDELL RD AND PRASADA PKWY ON 09/28/2020
   STATIC PRESSURE: 88.0 PSI
   RESIDUAL PRESSURE: 82.0 PSI
   FLOWING GPM: 2,201 GPM
   FLOWING GPM @ 20 PSI: 8,167 GPM

PUBLIC SAFETY / FIRE PREVENTION PLAN KEYNOTES

1. FIRE HYDRANT PER UTILITY PLANS.
2. FIRE HYDRANT PER UTILITY PLANS.
3. FIRE DEPARTMENT CONNECTION (FDC) PER ARCHITECTURAL PLANS.
4. KNOX BOX PER ARCH PLANS (TBD)
5. RED PAINTED CURB PER PAVING PLANS.
6. FIRE LANE IDENTIFIED PER PAVING PLANS.
7. FIRE LINE PER UTILITY PLANS.
8. FIRE LINE BACKFLOW PER UTILITY PLANS.

SITE DATA TABLE	
PROJECT ADDRESS	SWC OF W. WADDELL ROAD AND N. PRASADA PARKWAY
PROJECT DESCRIPTION	REGIONAL COMMERCIAL RETAIL
APN	501-11-950
SITE AREA (GROSS)	2,644,157 SF (60.70 AC)
SITE AREA (NET)	1,008,354 SF (23.14 AC)
EXISTING ZONING	PAD
PROPOSED ZONING	PAD

BUILDING INFORMATION					
BLDG	SQ. FT.	HEIGHT	CONST. TYPE	ROOF TYPE	OCCUPANCY
A	23,518	40'-7"	II-B	STND SEAM METAL	TBD
B	22,085	34'-2"	II-B	STND SEAM METAL	TBD
C	23,398	34'-2"	II-B	STND SEAM METAL	TBD
D	21,599	34'-2"	II-B	STND SEAM METAL	TBD
E	8,696	30'-0"	II-B	STND SEAM METAL	TBD
F	10,040	34'-11"	II-B	STND SEAM METAL	TBD
G	22,824	33'-4"	II-B	STND SEAM METAL	TBD
H	16,555	32'-4"	II-B	FOAM SYSTEM	TBD
I	22,500	29'-4"	II-B	STND SEAM METAL	TBD

N
1" = 100'
0' 50' 100' 200'
SCALE IN FEET

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CONSRUCTION DOCUMENTS
PUBLIC SAFETY AND FIRE PREVENTION PLAN

TACO BELL - PAD B
PRASADA REGIONAL SHOPPING CENTER

SURPRISE, AZ 85388

2022

drawn by:	DP
designed by:	DP
checked by:	RB
project no.:	021-06068
date:	05.06.2022

SHEET REF1
21 of 21

CASE #FS21-1005

DWG: F:\2021\06001-06500\021-06068\40-Design\AutoCAD\Final Plans\Sheets\GNCV\C_SIT03_02106068.dwg USER: dpendleton
DATE: May 06, 2022 2:53pm XREFS: C_XBASE_02104524 C_PBASE_02104524 C_PUTIL_02104524 C_NTS_FPP_02104524
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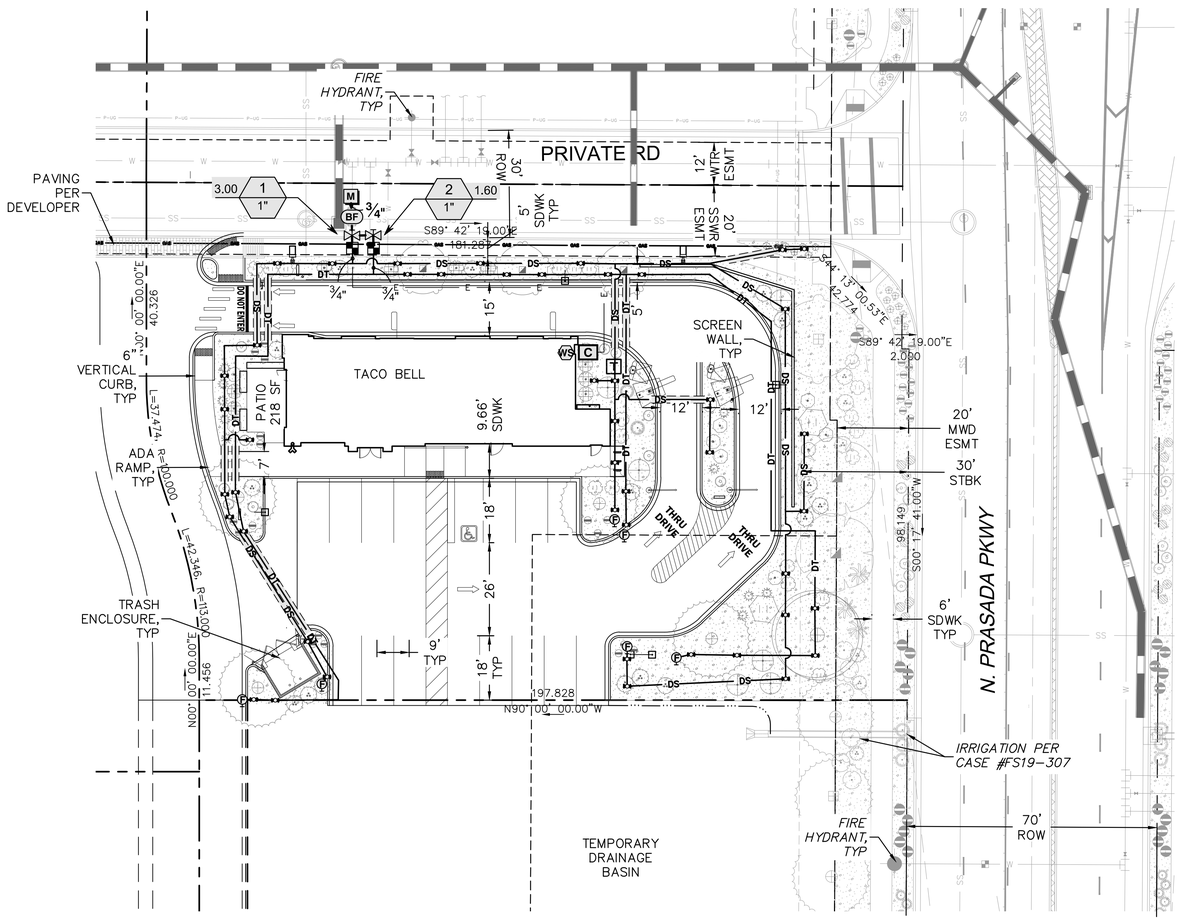

OLSSON IRRIGATION NOTES

1. THE SYSTEM DESIGN ASSUMES A MINIMUM AVAILABLE DYNAMIC PRESSURE FOR THE IRRIGATION SYSTEM OF 75 PSI AT THE POINT OF CONNECTION.
2. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION. ALL LANDSCAPE AND IRRIGATION MATERIALS AND INSTALLATION SHALL COMPLY WITH THE SPECIFICATIONS.
3. COORDINATE LOCATION AND MARKING ("BLUE STAKE") OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
4. THE DRAWINGS ARE DIAGRAMMATIC. THEREFORE, THE FOLLOWING SHOULD BE NOTED:
   A. IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR GRAPHIC CLARITY ONLY. INSTALL ALL IRRIGATION COMPONENTS WITHIN THE PROPERTY BOUNDARY AND IN LANDSCAPED AREAS WHENEVER POSSIBLE.
   B. USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF CROSS TYPE FITTINGS IS NOT PERMITTED.
5. ALL MATERIALS AND WORKMANSHIP SHALL BE TRUE TO TYPE, FORM, FINISH AND OF THE HIGHEST STANDARDS OF THE TRADE. DAMAGED OR INFERIOR MATERIALS SHALL BE REMOVED FROM THE SITE WITHOUT DELAY. CONTRACTOR SHALL FURNISH AND INSTALL MATERIAL AND EQUIPMENT PERTAINING TO THE IRRIGATION SYSTEM HEREIN SPECIFIED OR SHOWN ON THE DRAWINGS. THIS SHALL INCLUDE ALL ITEMS OF A MINOR NATURE NECESSARY TO COMPLETE INSTALLATION.
6. IF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS DO NOT THOROUGHLY DESCRIBE THE METHOD OR TECHNIQUES TO BE USED, THEN THE CONTRACTOR SHALL INSTALL AS PER MANUFACTURERS SPECIFICATIONS. IF A CONTRADICTION OCCURS, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.
7. IRRIGATION CONTRACTOR TO CAP ALL FLUSH CAP ENDS HAND TIGHT BEFORE BACKFILL.
8. MANUAL GATE VALVES SHALL BE PORTED TO PROVIDE FOR FULL FLOW. GATE VALVES SHALL BE THE SAME SIZE AS THE MAINLINE AND LABELED PER SPECIFICATIONS.
9. INSTALL PRESSURE REGULATING MODULE FOR ALL DRIP VALVE ASSEMBLIES. SET DISCHARGE PRESSURE TO 40 PSI UNLESS NOTED.
10. EXTEND ALL SLEEVES 18 INCHES INTO EACH PLANTING AND TURF AREA.
11. COORDINATE AND INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
12. IRRIGATION CONTRACTOR TO UTILIZE CONTROLLERS AS PER IRRIGATION SCHEDULE. CONFIRM FINAL PLACEMENT WITH ON-SITE OWNER'S REPRESENTATIVE.
13. PROVIDE TOOLS/COMPONENTS TO THE OWNER'S REPRESENTATIVE PER SPECIFICATIONS.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRITROL 700DK-1-LF ELECTRIC DRIP ZONE VALVE KIT: 1" 700 ULTRAFLOW INLINE VALVE, FILTER, LOW FLOW REGULATOR & FITTINGS	2
F	TORO T-FCH-H-FIPT FLUSH VALVE, PLUMBED TO FLUSH MANIFOLD AT LOW POINT.	6
0.6 1.0 2.0	BOWSMITH ML200 SERIES MULTI OULTET EMITTER, SIX OPEN OUTLETS, 1/2" FPT INLET, 0.6-2.0 GPH FLOWS, GREEN=0.6GPH, BLUE=1.0GPH, RED=2.0GPH.	46
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"	2
BF	FEBCO 825Y 3/4" REDUCED PRESSURE BACKFLOW PREVENTER	1
C	IRRITROL TC-06-EX-R HYBRID CONTROLLER, 6- STATION, OUTDOOR MODEL, WITH PLASTIC LOCKING CABINET. CLIMATE LOGIC COMPATIBLE, AND REMOTE-READY.	1
WS	IRRITROL CL-100-WIRELESS WIRELESS WEATHER SENSING SYSTEM. MONITORS WEATHER DATA FOR WATERING ADJUSTMENTS AND PROVIDES RAIN-FREEZE SHUT-DOWN.	1
M	WATER METER 3/4"	PER CIVIL
DS	IRRIGATION LATERAL LINE: SHRUB DRIPLINE	625 LF
DT	IRRIGATION LATERAL LINE: TREE DRIPLINE	530 LF
	IRRIGATION MAINLINE: PVC SCHEDULE 40	25 LF
	PIPE SLEEVE: PVC SCHEDULE 40	240 LF
E	CONTROLLER WIRE	185 LF

Valve Callout
- Valve Number
- Valve GPM
- Valve Size

ALL IRRIGATION PIPING EXCEPT DRIP TUBING SHALL BE INSTALLED IN PURPLE COLORED PIPING. CITY OF SURPRISE STANDARD 8.2.(5)

CRITICAL ANALYSIS

Generated:	2022-05-06
P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	3/4"
Flow Available	18.2 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	75.00 PSI
Elevation Change:	5.00 ft
Service Line Size:	1"
Length of Service Line:	20 ft
Pressure Available:	71.00 psi
DESIGN ANALYSIS	
Maximum Station Flow:	3 GPM
Flow Available at POC:	18.2 GPM
Residual Flow Available:	15.2 GPM
Critical Station:	1
Design Pressure:	20 PSI
Friction Loss:	0.21 PSI
Fittings Loss:	0.02 PSI
Elevation Loss:	0 PSI
Loss through Valve:	3 PSI
Pressure Req. at Critical Station:	23.23 PSI
Loss for Fittings:	0.01 PSI
Loss for Main Line:	0.13 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	11.14 PSI
Loss for Water Meter:	0.5 PSI
Critical Station Pressure at POC:	35.01 PSI
Pressure Available:	71 PSI
Residual Pressure Available:	35.99 PSI

N

1" = 20'

0' 10' 20' 40'

SCALE IN FEET

olsson
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Phoenix, AZ 85020-5282
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FAX 602.748.1001
www.olsson.com

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REV. NO.	DATE	REVISIONS DESCRIPTION

REVISIONS

CONSRUCTION DOCUMENTS
IRRIGATION PLAN

TACO BELL - PAD B
PRASADA REGIONAL SHOPPING CENTER

SURPRISE, AZ 85388

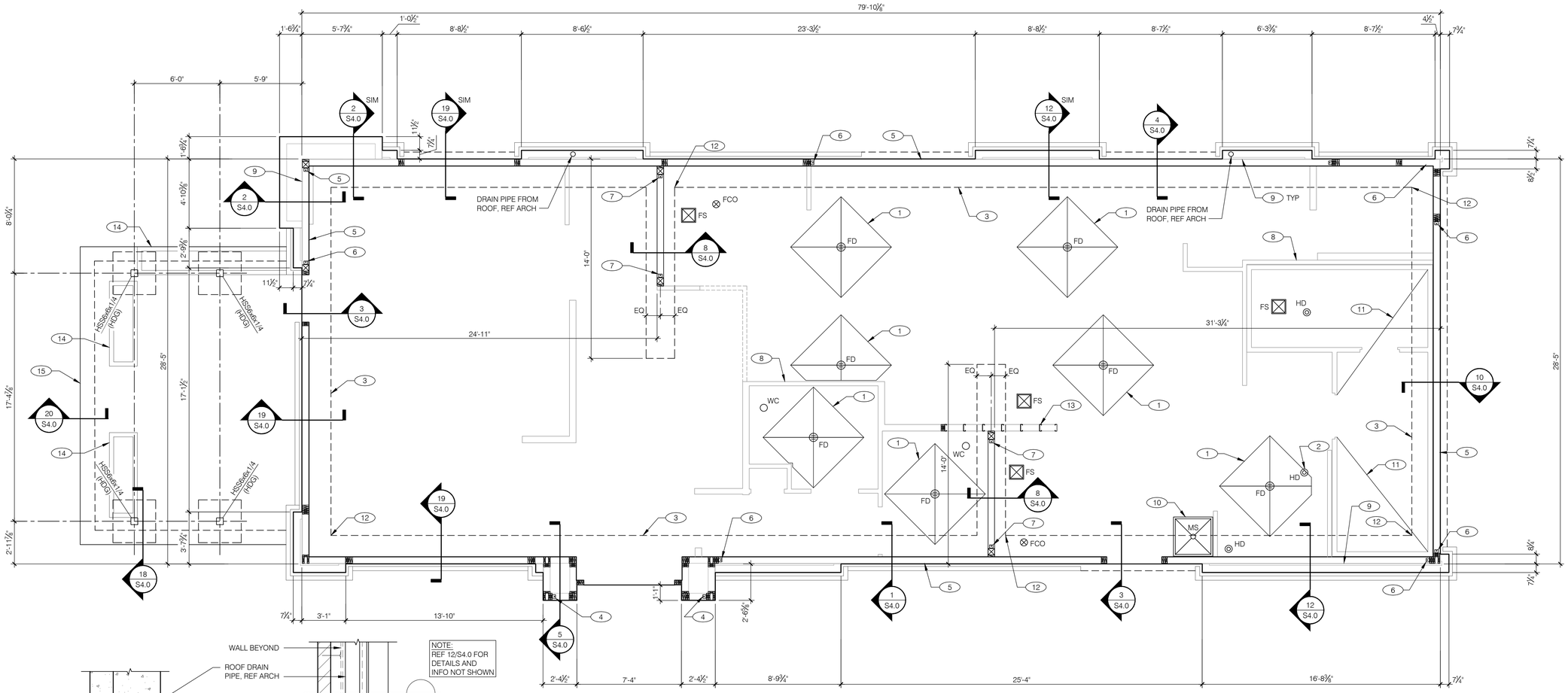
2022

drawn by:	ALS
designed by:	ALS
checked by:	ALS
project no.:	021-06068
date:	05.06.2022

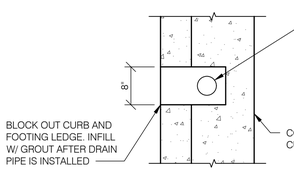
SHEET L201
3 of 9

CASE #FS21-1005

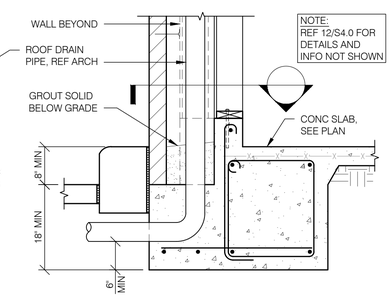
DWG: F:\2021\06001-06500\021-06068\40-Design\AutoCAD\Final Plans\Sheets\GNCV\L_IRR_02106068.dwg USER: aschwenner
DATE: May 06, 2022 4:07pm XREFS: C_XBASE_02106068 C_FBASE_B183610 C_PBASE_02106068 SRVY_REPLAT_RV3_0183610
GENE_HARRISON_LS_AZ SRVY_BASE_0183610_RV3 V_XBNDY_02106068 030221-RSC-MASTERPLAN-BOTHVERSIONS C_XBASE_



FOUNDATION PLAN 1/4"=1'-0" **A**



(PLAN VIEW)



NOTE:
REF 12/S4.0 FOR DETAILS AND INFO NOT SHOWN

FOUNDATION @ ROOF DRAIN PIPE

DIMENSIONS ON THIS SHEET ARE TO OUTSIDE FACE OF CONCRETE / WALL SHEATHING

GC TO COORDINATE ALL CAST-IN-PLACE ANCHOR BOLTS

DESIGN CRITERIA:
2018 INTERNATIONAL BUILDING CODE

ROOF SNOW LOADS:

GROUND SNOW LOAD (Pg):	5 PSF
EXPOSURE FACTOR (Ce):	1.0
IMPORTANCE FACTOR (I):	1.0
FLAT-ROOF SNOW LOAD (Pf):	10 PSF
THERMAL FACTOR (Ct):	1.0

ROOF LOADS:

LIVE LOAD:	20 PSF
DEAD LOAD:	20 PSF

WIND LOADS:

3 SECOND GUST: (V_{ULT} / V_{ASD})	101 / 78 MPH
RISK CATEGORY:	II
EXPOSURE CATEGORY (MWFRS):	B
INTERNAL PRESSURE COEFF.:	±0.18

DEPTH FOR FROST PROTECTION: 18 INCHES

SEISMIC LOADS:

RISK CATEGORY:	II
SEISMIC IMPORTANCE FACTOR:	1.0
SITE CLASS (ASSUMED):	D
MAPPED SPECTRAL RESPONSE ACCEL:	
Ss:	0.189
S1 :	0.075
SPECTRAL RESPONSE COEFF.:	
SHORT PERIODS (SDS):	0.201
1 SEC. PERIODS (SD1):	0.120
SEISMIC DESIGN CATEGORY:	B
FRAMING SYSTEMS:	
BASIC STRUCTURAL SYSTEM:	LOAD BEARING WALL SYSTEM
SEISMIC-RESISTING SYSTEM:	WOOD SHEAR WALLS
RESPONSE MOD. FACTOR (R):	6.5
DEFL. MOD. FACTOR (Cd):	4.0
SEISMIC RESP. COEFF. (Cs):	0.030
DESIGN BASE SHEAR (V):	5 KIPS

ANALYSIS BY ELF PROCEDURE

PROVIDE SHOP DRAWINGS AND CALCULATIONS BY REGISTERED ENGINEER FOR SIGNS AND AWNINGS

REFER TO S5.0 FOR SNOW DRIFT LOADING DIAGRAM

DESIGN CRITERIA **F**

Ultimate Design Wind Pressure (psf):								
			Effective Wind Area (sq ft)					
Walls:			10	20	50	100	200	500
Interior	Zone 4	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-16.0	-16.0	-16.0	-16.0	-16.0	-16.0
Edge	Zone 5	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-18.4	-17.1	-16.0	-16.0	-16.0	-16.0
Roof:			10	20	50	100	200	500
Interior	Zone 1	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-24.0	-22.4	-20.3	-18.7	-17.1	-16.0
Interior	Zone 1'	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-16.0	-16.0	-16.0	-16.0	-16.0	-16.0
Edge	Zone 2	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-31.6	-29.6	-26.9	-24.9	-22.8	-20.2
Corner	Zone 3	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-31.6	-29.6	-26.9	-24.9	-22.8	-20.2
Overhang:			10	20	50	100	200	500
Edge	Zone 2	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-29.3	-26.6	-23.0	-20.3	-17.6	-16.0
Parapet:			10	20	50	100	200	500
Edge	Zone 2	+	52.0	48.6	44.2	40.8	37.4	33.0
		-	-30.7	-29.2	-27.1	-25.5	-24.0	-21.9
Corner	Zone 3	+	52.0	48.6	44.2	40.8	37.4	33.0
		-	-35.1	-32.8	-29.7	-27.4	-25.0	-21.9

CORNER & EDGE ZONES ARE 3.0 FEET WIDE

COMPONENT & CLADDING PRESSURES **E**

FOUNDATION:

A. AN ALLOWABLE BEARING CAPACITY OF 1,500 PSF HAS BEEN ASSUMED AND MUST BE CONFIRMED BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
B. CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
C. COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF GEOTECHNICAL REPORT.
D. CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.
E. REFER TO THE GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.
F. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS AND GRADE BEAMS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS AND GRADE BEAMS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
G. MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
H. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.
I. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
J. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.
K. CONTRACTOR SHALL OBTAIN THE SOILS REPORT AND FOLLOW ALL RECOMMENDATIONS FOR SUBGRADE PREPARATION.
L. FOUNDATION SYSTEM: SHALLOW SPREAD FOOTINGS
ALLOWABLE BEARING PRESSURE: 1,500 PSF

CONCRETE:

A. CONCRETE SHALL BE HARD ROCK CONC. (5 SACK CEMENT PER CU.YD. MIN.) AND MEET THE FOLLOWING MIN. ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS:

LOCATION	MIN. STRENGTH 28 DAYS PSI	AGGREGATE SIZE - INCHESS	SLUMP INCHES	TOLERANCE
SLAB ON GRADE	(3000 DESIGN)	1" x #4	3-1/2"	±1/2"
FOUNDATIONS	(3000 DESIGN)	1" x #4	3-1/2"	±1/2"

B. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONC. STRENGTH AND CEMENT TYPE.
C. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
D. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-11 SECTION 5.11 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.

SLAB:

A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED W/ WWR 6x6-W1.4x1.4 OR #4 BARS @ 18" O.C. EA. WAY. OVER 10 MIL VISQUEEN MEMBRANE, OVER 4" AGGREGATE BASE, OVER ENGINEERED SUBGRADE. MODIFY AS REQUIRED TO COMPLY WITH REQUIREMENTS OF SOILS REPORT. LAP MEMBRANE EDGES 6" MINIMUM AND TAPE.

MISCELLANEOUS:

A. DIMENSIONS NOTED ARE TO FACE OF CONCRETE. REF TO ARCH DWGS FOR DIMENSIONS TO FACE OF STUD AND OTHER DIMENSIONS NOT OTHERWISE NOTED.
B. DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
C. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
D. SEE P-DWGS FOR PLUMBING LAYOUT DIMENSIONS, UON.
E. SEE E-DWGS. FOR ELECTRICAL LAYOUT DIMENSIONS, UON.
F. COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

FOUNDATION PLAN NOTES **C**

1. SLAB SHALL BE PITCHED 5/8" FOR 5'-0" x 5'-0" SQUARE AT ALL FLOOR DRAINS U.O.N. REFER TO PLUMBING DRAWINGS FOR LOCATIONS.
2. PROVIDE HUB DRAIN (HD) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SINK (FS).
3. INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0.
4. SIMPSON HTT5 HOLDOWN AT ENTRY TOWER WALL
5. ANCHOR BOLTS LOCATED THROUGHOUT PERIMETER OF BUILDING SHALL BE PROVIDED AS REQUIRED PER THE "PLATE / ANCHOR BOLT" COLUMN OF THE "WALL SHEATHING AND SHEAR WALL SCHEDULE." SEE D/S2.0.
6. HOLDOWN ANCHOR AT EACH END OF SHEAR WALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
7. HDU11 HOLDOWN ANCHOR AT EACH END OF INTERIOR SHEAR WALL. SEE 7/S4.0 FOR HOLDOWN EMBEDMENT DETAIL AND S2.0 FOR SHEAR WALL SCHEDULE.
8. INTERIOR WALLS (TYP.) SEE SHEET S2.0
9. CONTINUE SHEAR WALL SHEATHING PAST INTERSECTING WALL W/O INTERRUPTION.
10. STUB-UP WASTE LINE AND BLOCKOUT FOR MOP SINK.
11. SLOPE FREEZER SLAB TO DOORWAY. REFER TO ARCHITECTURAL DRAWINGS.
12. SEE 14/S4.0 FOR REINFORCING AT CORNERS AND INTERSECTIONS.
13. SEE 15/S4.0 FOR CONNECTION OF METAL STUDS TO CONCRETE SLAB
14. VENEER PLANTER BOX, REF ARCH FOR SIZE AND LOCATIONS
15. GC SHALL COORDINATE W/ ARCH DWGS FOR PATIO SLAB ON GRADE EXTENTS

KEY NOTES **B**

GLMV Architecture
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www.glmv.com

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BPA Job No. 210947

Registered Professional Engineer (Civil)
CERTIFICATE NO. 67704
DAVID IMPSON
Date Signed 02-14-22
ARIZONA U.S.A.

13048R21005

CONTRACT DATE:	02.14.2022
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

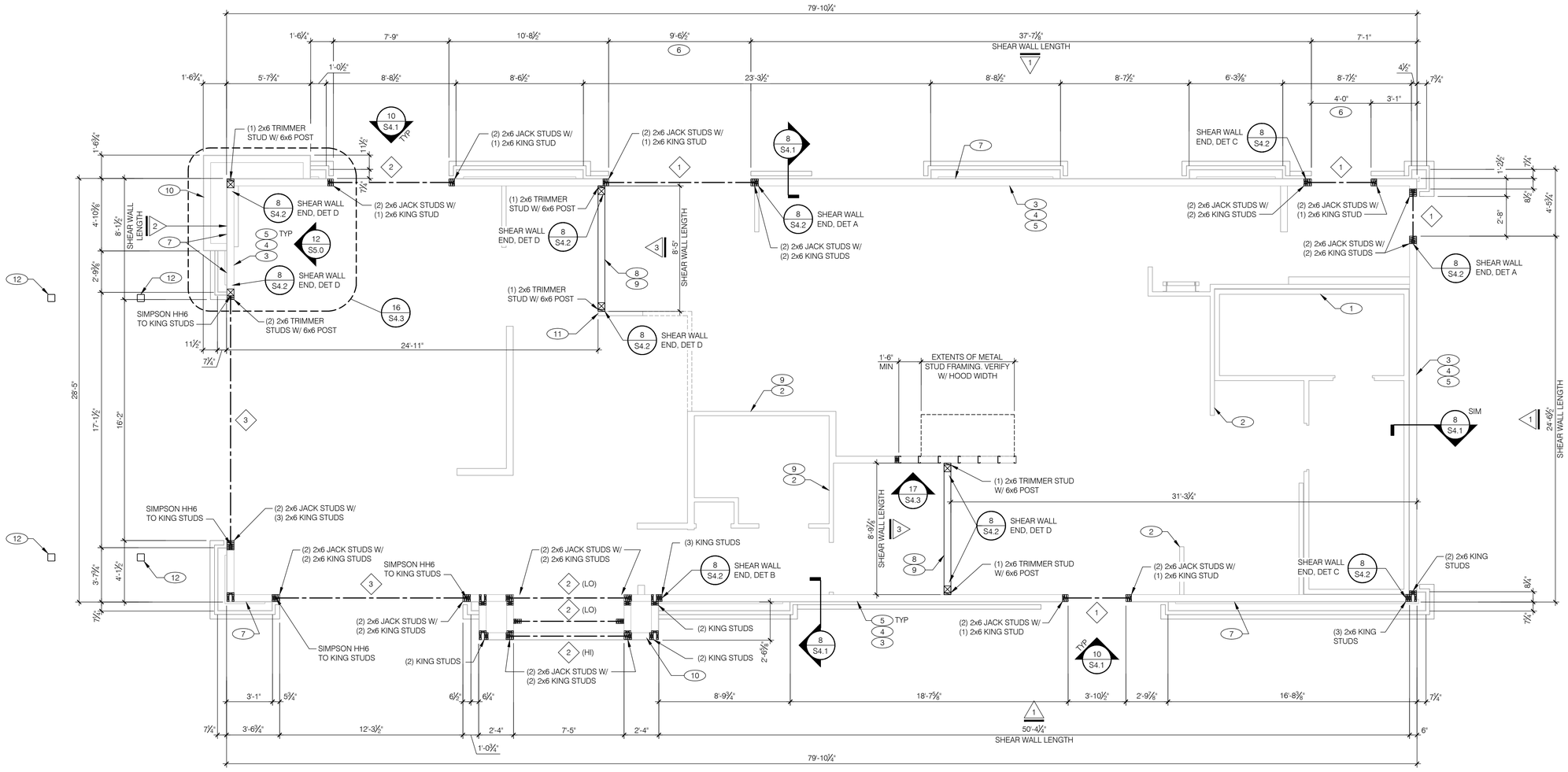
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

FOUNDATION PLAN

S1.0



DIMENSIONS ON THIS SHEET ARE TO OUTSIDE FACE OF SHEATHING. GC COORD DIMS W/ ARCH DWGS

WALL FRAMING PLAN 1/4"=1'-0" A

MARK	BUILT-UP SECTION	BUILT-UP MANUF. MEMBER
1	(3) 2x8	--
2	--	(3) 1 3/4" x 9 1/4" LVL
3	--	(3) 1 3/4" x 11 7/8" LVL

NOTES:
1. BUILT-UP HEADER SECTION SHALL HAVE 1/2" PLYWOOD SANDWICHED PIECES. REF. 20/S4.1
2. MANUFACTURED LUMBER TO BE 2.0E MICROLAM LVL BY TRUSJOIST OR APPROVED EQUAL. REF. 19/S4.1

LOOSE LINTEL SCHEDULE	
SPAN (MAX)	SIZE
4'-0"	L6x4x5/16 LLV

NOTES:
1. ALL LINTELS SHALL BE GALVANIZED.
2. PROVIDE 8" BEARING EACH END.

HEADER & LINTEL SCHEDULE N.T.S. F

SW	SHEATHING	EDGE	FIELD	HOLDOWN	PLATE / ANCHOR BOLT	REMARKS
1	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	HDU2	5/8" DIA. x 8" LONG TITEN HD @ 48" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
2	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	HDU4	5/8" DIA. x 8" LONG TITEN HD @ 32" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
3	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	HDU8	5/8" DIA. x 8" LONG TITEN HD @ 16" O.C. W/ WASHER	PLYWOOD ON BOTH FACES OF STUDS (NOTE 8)
***	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	N/A	5/8" DIA. x 8" LONG TITEN HD @ 48" O.C. W/ WASHER	NAILING @ HEADERS PER 19 & 20/S4.1

*** REQUIREMENTS FOR EXTERIOR NON-SHEAR WALLS

1. APA RATED OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.
2. BLOCK ALL UNSUPPORTED EDGES WITH 2x MATERIAL U.O.N. BLOCK EDGES WITH 3x MATERIAL WHERE 10d NAILING IS 3" O.C. OR LESS AND 8d NAILING IS 2" O.C. OR LESS.
3. ALL PLYWOOD NAILS SHALL BE COMMON WIRE. SEE SPECIFICATIONS FOR OTHER NAIL REQUIREMENTS.
4. EXTERIOR WALLS NOT DESIGNATED AS SHEAR WALL IN THE WALL FRAMING PLAN SHALL MEET REQUIREMENTS INDICATED FOR NON-SHEAR WALLS IN THE SCHEDULE ABOVE. SHEAR WALL LENGTHS WHERE NOTED ARE MINIMUM. DO NOT LOCATE HOLDOWNS
5. FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS. HD REFERS TO SIMPSON STRONGTIE CO. HOLDOWNS. INSTALL PER 7/S4.0. POST WIDTH
6. SHALL MATCH STUD WALL WIDTH. SEE FOUNDATION PLAN FOR OTHER REQ'S.
7. EDGE NAIL WALL PLY TO STUDS OR POSTS WITH HOLDOWNS.
8. WHERE PANELS ARE APPLIED TO BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 4" O.C. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO WALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED. SILL PLATES SHALL BE (2) 2x MEMBERS.
9. PROVIDE A MINIMUM OF TWO SILL ANCHORS PER SILL PLATE SEGMENT WITH BOLTS LOCATED FROM THE END OF EACH SEGMENT AT LEAST 4 INCHES, BUT NOT MORE THAN 12 INCHES.
10. FASTENERS FOR PRESSURE-PRESERVATIVE AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL. THE COATING WEIGHTS SHALL BE IN ACCORDANCE WITH ASTM A153.

WALL SHEATHING AND SHEAR WALL SCHEDULE D

WALL FRAMING:

A. STRUCTURAL WOOD FRAMING SHALL MEET OR EXCEED THE FOLLOWING:

USE	WOOD TYPE	GRADE	F_B/PSI	F_C/PSI	E/PSI
2X8	SPF	#2	875	1,150	1,400,000
2X10	SPF	#2	875	1,150	1,400,000
2X12	SPF	#2	875	1,150	1,400,000
STUDS (2X6)	SPF	#2	875	1,150	1,400,000
6x6	SYP	#2	850	525	1,200,000

B. ALL BEAMS AND JOISTS SHALL BE SEAT CUT FOR FULL UNIFORM BEARING AT SUPPORTS, BEAM SEATS AND COLUMN CAPS.
C. SEE ARCH DWGS FOR DIMENSIONS.
D. EXTERIOR STUD WALLS ARE 2x6 AT 16" O.C. U.O.N.
E. ALL WOOD IN CONTACT WITH CONC., STEEL OR GRADE SHALL BE PRESSURE-TREATED.
F. ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM EACH SIDE OF THE SPLICED OR TREATED MEMBER SHALL BE EQUAL DISTANCE FROM THE SPLICE. STRAPS USING 16d NAILS ON 2x MATERIAL SHALL BE INSTALLED ON THE 1-1/2" EDGE OF THE MEMBER.
G. THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND PLYWOOD MEET THE REQUIREMENTS OF THE SPECS. AT THE TIME OF INSTALLATION AND AT CLOSE-IN.
H. USE AT PRESSURE-TREATED LUMBER AT WINDOW JAMBS, SILL AND STUDS UNDER SILL AS WELL AS ALL TOILET PLUMBING WALLS.

STUD LAYOUT:

A. LAYOUT STUDS ON SIDE WALLS (LONG WALLS) STARTING AT REAR OF BUILDING TOWARDS FRONT.
B. LAYOUT STUDS ON END WALLS (SHORT WALLS) STARTING AT EACH END AND WORKING TOWARDS CENTER.
C. LAYOUT STUDS TO ALIGN WITH ROOF TRUSSES. PROVIDE DOUBLE STUDS AT DOUBLE TRUSSES, TYPICAL. SEE ROOF FRAMING PLAN ON SHEET S3.0 FOR TRUSS LOCATIONS.

FRAMING PLAN NOTES C

1. COORDINATE WITH ELECTRICAL POWER PLAN DWGS.
2. INTERIOR NON-BEARING STUD WALL FRAMING; REFER TO ARCH DWGS FOR DIMENSIONS AND STUD WIDTHS. SEE DETAIL 13 & 14/S4.1 AND WALL FRAMING NOTES.
3. DBL 2x TOP PLATES. SPLICE PER 15/S4.1 UNO. REF 17/S4.3 FOR CAP DETAIL.
4. TOP OF TRUSS BEARING PLATE = +10'-8" ABOVE FINISH FLOOR.
5. TOP OF PARAPET, SEE S3.0. COORDINATE W/ ARCH ELEVATIONS.
6. ENSURE ROUGH OPENING DIMENSION TO PROVIDE TOLERANCE FOR DRIVE-THRU WINDOW INSTALLATION. COORDINATE WITH WINDOW MANUFACTURER.
7. EXTERIOR SHEATHING SHALL NOT BE INTERRUPTED WITH BUMP-OUT FRAMING, TYPICAL.
8. INTERIOR SHEAR WALL. FRAMING FOR 2x6 STUDS, BLOCKING, & SILL PLATE SHALL BE SOUTHERN PINE OR DOUGLAS FIR AT THIS WALL. PROVIDE 6x6 POST AT EACH END OF WALL.
9. COORDINATE WITH PLUMBING ROUGH-IN DWGS. WHERE SILL PLATE AND TOP PLATES NOTCHED FOR VERTICAL RISERS, APPLY SIMPSON MSTA24 STRAP ON EACH PLATE THAT IS CUT. CENTER STRAP ON NOTCH / HOLE.
10. 2x FRAMING ON THICKENED CONCRETE FOUNDATION / PIER; SEE SHEETS S1.0 AND S4.0. DIMENSIONS FOR FRAMING ARE TO FACE OF SHEATHING.
11. PROVIDE 3 1/2" CLEARANCE FROM POST TO END OF FINISHED WALL FOR ELECTRICAL CHASE
12. PATIO CANOPY COLUMN, REF S1.0 AND S3.0.

KEY NOTES B

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BPA Job No. 210947

Registered Professional Engineer (Structural) CERTIFICATE NO. 67704 DAVID J. IMPSON Date Signed 2/14/22 ARIZONA U.S.A.

13048R21005

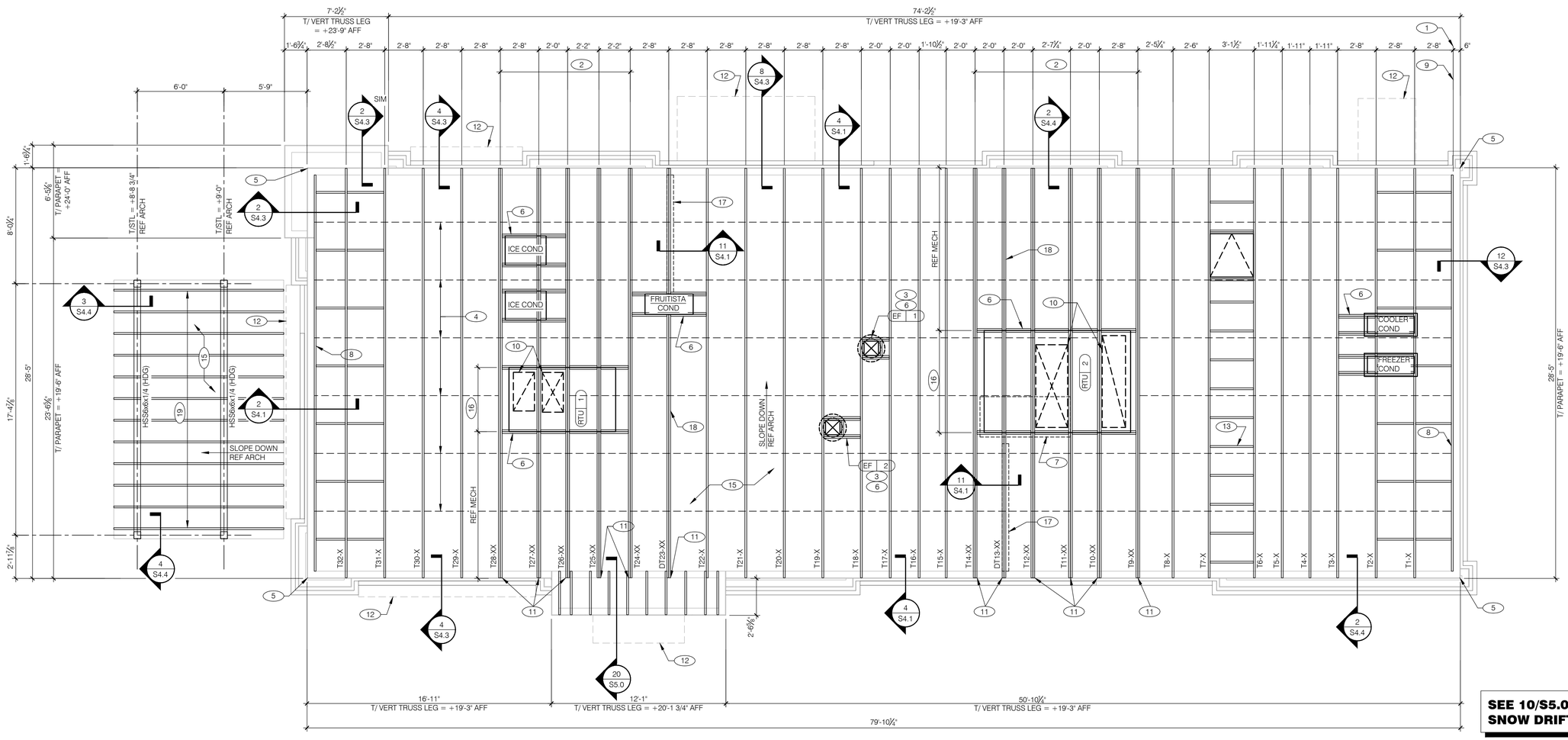
CONTRACT DATE:	01.26.2022
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

TACO BELL
VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

WALL FRAMING PLAN

S2.0



SEE 10/S5.0 FOR SNOW DRIFT

DIMENSIONS ON THIS SHEET ARE TO OUTSIDE FACE OF SHEATHING

TRUSS MANUFACTURER SHALL BE REQUIRED TO SHOW THAT THEY ARE REGISTERED & APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTIONS

SEE 9/S4.2 FOR RTU WEIGHTS

EXTREME CARE SHALL BE USED ERECTING ROOF TRUSSES. COMPLY WITH TPI BRACING REQUIREMENTS

ROOF NOT DESIGNED FOR PONDING. SEE ARCHITECTURAL DRAWINGS FOR DRAIN REQUIREMENTS

ROOF FRAMING PLAN 1/4"=1'-0" A

TYPE	NAILING / SHEATHING	REMARKS
BN	10d @ 4" O.C.	-
EN	10d @ 6" O.C.	-
FN	10d @ 12" O.C.	-
ROOF SHEATHING	19/32" CDX PLYWOOD (40/20), PS1 RATING	-

NOTE:

SEE 13/S4.2 FOR ROOF NAILING PLAN.
SEE 18/S4.2 FOR DEFINITIONS AND TYP NAILING SCHEDULE

"BN" DENOTES ROOF BOUNDARY NAILING
"EN" DENOTES EDGE OF PANEL NAILING
"FN" DENOTES FIELD OF PANEL NAILING

NAILING SCHEDULE - ROOF D

ROOF FRAMING NOTES:

A. ALL UNSUPPORTED EDGES OF PLYWOOD SHEATHING SHALL BE BLOCKED WITH 2x4 INSTALLED FLAT. PLYWOOD MTL CLIPS ARE NOT PERMITTED. SEE DETAIL 14/S4.2. OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.

B. ALL MECHANICAL SUPPLY AND RETURN OPENINGS SHALL BE BETWEEN FRAMING U.O.N.

MANUFACTURED ROOF TRUSS NOTES:

A. MFR'D ROOF TRUSSES ARE AT 2'-8" OC (MAX) UON.

B. "T-#" DENOTES ROOF TRUSS TYPE. REFER TO SCHEDULE 11/S4.2.

C. TRUSS DRAWINGS ARE PROVIDED FOR CONCEPTUAL DESIGN ONLY. MFR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS, BOTH SIGNED BY A LICENSED STRUCTURAL ENGINEER (STATE OF PROJECT). SUBMIT SHOP DRAWINGS AND CALCULATIONS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND SUBMITTAL AND, IF REQUIRED, TO THE BUILDING OFFICIAL FOR APPROVAL PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE LAYOUT PLAN AND CONNECTORS. CALCS. SHALL BE BASED ON THE SPECIFIED LOADING CONDITIONS SHOWN HEREIN. MANUFACTURER SHALL PROVIDE HANGERS AND CONNECTIONS BETWEEN TRUSSES. REVIEW AND APPROVE DIMENSIONS, SHAPES AND DETAILS SHOWN ON SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT / ENGINEER FOR REVIEW AND COMMENT. A MINIMUM OF 10 BUSINESS DAYS SHALL BE ALLOWED FOR REVIEW.

D. TRUSS MFR SHALL PROVIDE HANGERS AND CONNECTORS ADEQUATE FOR LOADS. ROOF CONNECTORS ARE BASED UPON SIMPSON "STRONG TIE" OR APPROVED EQUAL.

E. TRUSS CHORDS AND PARAPET VERTICALS SHALL BE 2x6 MIN. AND CONSISTENTLY SIZED THROUGHOUT PROJECT.

F. REFER TO TRUSS ELEVATIONS FOR SHAPE, OVERHANG, SLOPES, SPAN, ETC. LOCATION OF BEARING POINTS ARE AS INDICATED ON THE DRAWINGS. SEE 3/S4.2.

G. MFR'D ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 4/S4.2 AND SNOW DRIFT DIAGRAM 10/S5.0

H. THE POSITIONS, WEIGHTS, AND METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECT FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSSES BY THE TRUSS MFR.

I. DESIGN ROOF TRUSSES TO SUPPORT ALL IMPOSED LOADS, INCLUDING WIND & LATERAL LOADS. COORDINATE SIZE, LOCATION AND WEIGHT OF EQUIPMENT WITH MECHANICAL WORK. PROVIDE MULTIPLE TRUSSES WHERE ONE TRUSS CANNOT SUPPORT THE LOAD. PROVIDE BRIDGING BETWEEN TRUSSES AS SPECIFIED AS MINIMUM STANDARD.

J. INSTALLATION OF ALL TRUSSES SHALL BE DONE USING A SPREADER BAR WITH A THREE POINT VERTICAL PICK. CARE SHALL BE USED IN LIFTING TO PREVENT HORIZONTAL BENDING.

K. IMPROPER HANDLING OF THE TRUSSES AS NOTED ABOVE AND IN THE SPECS SHALL MEAN REMOVAL OF THE TRUSSES FROM THE JOBSITE AND REPLACEMENT AT CONTRACTORS EXPENSE.

L. SEE DIV. 6 OF THE SPECS FOR DETAILS ON TRUSS MANUFACTURING AND NAILING.

ROOF FRAMING NOTES C

1. STARTING POINT OF TRUSS LAYOUT - CENTERLINE OF TRUSS.
2. VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO POINT LOADING AND ADDITIONAL UNIFORM LOADING, TYPICAL.
3. COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.
4. CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQUIRED FOR DUCT PLENUMS, MAX SPACING AT 5'-0" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 16/S4.1 FOR BRIDGING LAP DETAIL.
5. SIMPSON MSTA24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.
6. (2) 2x6 BLOCKING W/ U26-2 HANGERS. TYP. EDGES OF ALL ROOF TOP EQUIPMENT AND ALL ROOF OPENINGS - SEE DET. 10 & 15/S4.2.
7. KITCHEN HOOD BELOW. SEE HOOD DRAWINGS FOR ATTACHMENT DETAIL 9/S4.1.
8. 2x6 LEDGER REF. 5/S4.1.
9. DIMENSION IS FROM INSIDE FACE OF WALL FRAMING.
10. HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.
11. (2) 2x6 BUILT-UP COLUMN AT TRUSS BEARING, TYP @ DOUBLE TRUSS ONLY. REF DETAIL 19/S4.2. PROVIDE AT EACH END OF TRUSS.
12. CANOPY, BY SUPPLIER
13. 2x6 JOISTS @ 24" O.C. WHERE TRUSS SPACING EXCEEDS 2'-8". INSTALL FLUSH WITH TRUSS TOP CHORD. ATTACH WITH U26 HANGER EA END.
14. NOT USED.
15. 19/32" PLYWOOD ROOF DECK. SEE NAILING SCHEDULE, THIS SHEET.
16. REF. MECHANICAL FOR SIZE OF SELECTED RTU OPTION.
17. INTERIOR SHEAR WALL BELOW. ALIGN DINING SIDE OF WALL WITH SIDE OF TRUSS.
18. DRAG TRUSS AT INTERIOR SHEAR WALL. PROVIDE 2-PLY TRUSS. DESIGN DRAG TRUSS FOR 160 PLF SERVICE WIND LOAD ALONG TOP CHORD OF TRUSS (3,200 LBS TOTAL DRAG LOAD). ATTACH ROOF SHEATHING TO DRAG TRUSS WITH 10d NAILS @ 4" O.C. ALONG ENTIRE LENGTH OF TRUSS. ATTACH DRAG TRUSS TO TOP PLATE OF SHEAR WALL PER DETAIL 11/S4.1.
19. PT 2x10 RAFTERS @ 18" OC.

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VILLAGE OF PRASADA
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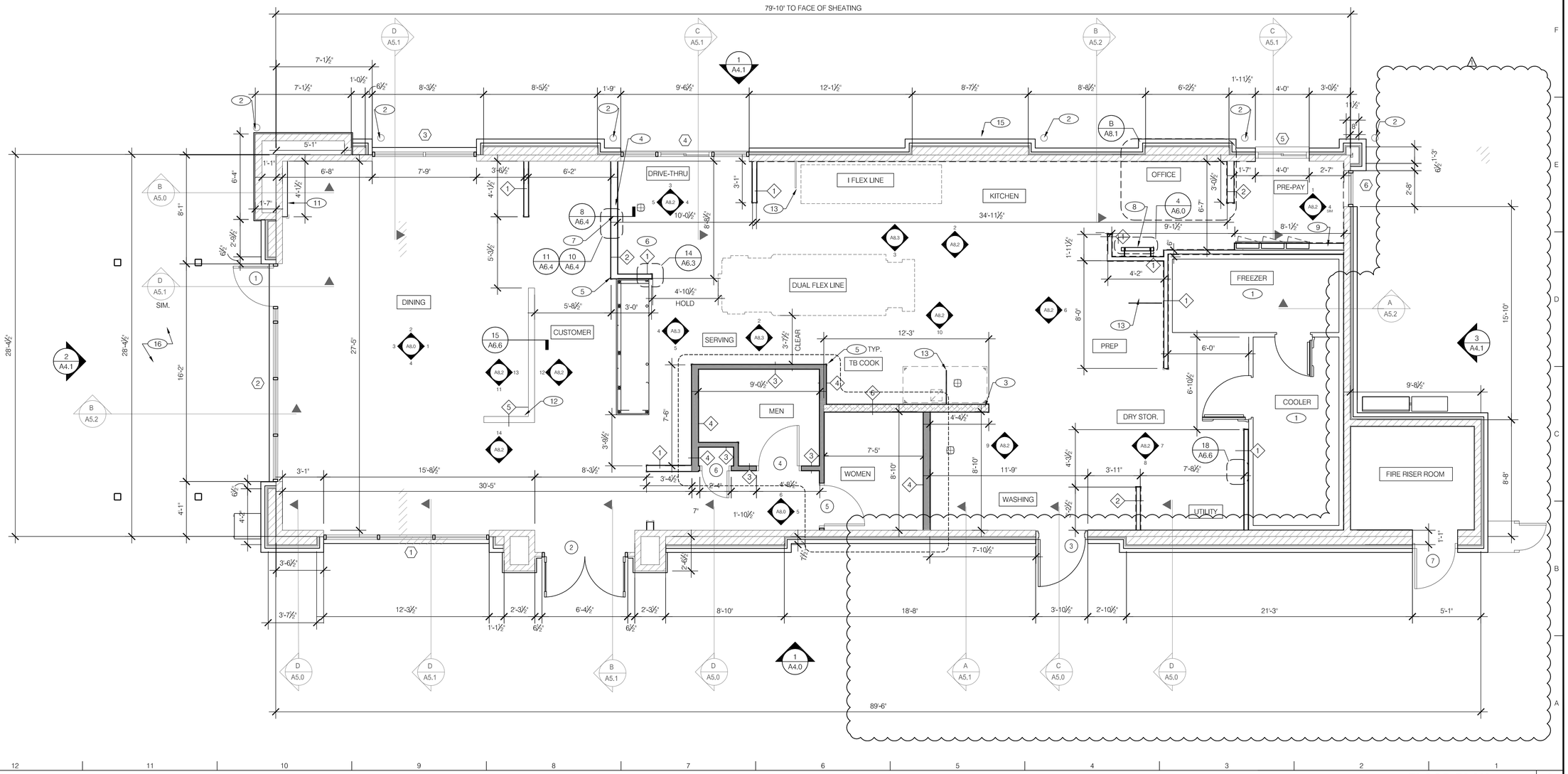
TACO BELL

ENDEAVOR 2.0

ROOF FRAMING PLAN

S3.0



FLOOR PLAN 1/4"=1'-0" **A**

TYPICAL EXTERIOR WALL:
2x6 WD STUDS AT 16" O.C. W/ SHEATHING AS SCHEDULED (SEE STRUCT. DWGS.) AND R-19 KRAFT-FACED FIBERGLASS BATT INSULATION U.O.N. BLUESKIN VP WATER RESISTIVE AIR BARRIER MEMBRANE OVER SHEATHING.

TYPICAL INTERIOR WALL :
WD STUDS AT 16" O.C. AS INDICATED
(1) 2X4 WOOD STUDS (2) 2X6 WOOD STUDS

DASHED LINE INDICATES INTERIOR SUBSTRATE LOCATION.

INTERIOR SOUND-RATED WALL:
TYPICAL INTERIOR WALL W/ 3-1/2" UNFACED FIBERGLASS BATT INSULATION.
(3) 2X4 WOOD STUDS (4) 2X6 WOOD STUDS

HOODWALL:
INTERIOR NON-COMBUSTIBLE WALL WITH 20 GA. S.S. PANEL BEHIND HOOD. EXTEND MIN. 18" BEYOND END OF HOOD. M. STUD FRAMING. REFER TO DETAIL 2/M3.0 FOR EXTENT OF S.S. PANEL. PROVIDE UNFACED FIBERGLASS BATT INSULATION AT RESTROOM PORTION OF WALL
(6) 6" METAL STUD

LOW WALL:
2X4 WD STUDS AT 16" O.C. AS SCHEDULED (SEE DETAIL 15/A6.6)
(5) 2X4 WOOD STUDS

WALL SUBSTRATES:
- DINING ROOM:
1/2" GYPSUM WALLBOARD FROM FLOOR SLAB TO 6" ABOVE CEILING HEIGHT U.O.N.
- KITCHEN WALLS AND DINING ROOM CLOSET:
1/2" CEMENT WALLBOARD FROM T.O. SLAB TO 12" AFF. AT 12" AFF, USE 1/2" CDX PLYWOOD W/FRP SURFACE FINISH TO 6" ABOVE CEILING HEIGHT U.O.N. IF DOUBLE SIDED SHEAR WALL PLYWD IS SPECIFIED THE PLYWOOD SHALL SHALL BE CONTINUOUS FROM SILL PLATE TO TOP PLATE.
- RESTROOM WALLS:
5/8" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 6" ABOVE CEILING HEIGHT U.O.N.. NO SUBSTITUTIONS ALLOWED. FINISH AS SCHEDULED.
- ALL OTHER FRAME WALL CONDITIONS:
1/2" CEMENT WALLBOARD FROM T.O. SLAB OR T.O. CONCRETE CURB TO 48" A.F.F., WITH 1/2" GYPSUM WALLBOARD FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N. FINISH AS SCHEDULED.

WALL LEGEND **E**

DIMENSIONS:
A. ALL DIMENSIONS ARE TO FACE OF STUD U.O.N. REFER TO FOUNDATION PLAN FOR FACE OF CONC. DIMENSIONS.
B. DIMENSIONS NOTED AS "CLEAR" OR "HOLD" ARE MIN. REQ'D. NET CLEARANCE FROM FACE OF WALL / WAINSCOT FINISH. VERIFY FINAL EQUIPMENT SIZES W/ VENDOR PRIOR TO INT. WALL FRAMING.

WINDOWS / DOORS:
A. SEE SHT. A1.1 FOR WINDOW TYPES AND DOOR SCHEDULE.
B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.

FINISH SUBSTRATES:
A. PROVIDE 1/2" THICK CEMENTITIOUS BD. FROM FLOOR SLAB TO 12" A.F.F. MIN. IN LIEU OF GYP. BD. AT ALL WALLS EXCEPT SHEARWALL SURFACES, U.O.N.
B. ALL JOINTS, GAPS OR SPACES LEADING TO ALL HOLLOW OR INACCESSIBLE SPACES SHALL BE SEALED WITH "NSF INTERNATIONAL" APPROVED SEALANTS.
C. ALL BACK OF HOUSE AND OFFICE WALLS SHALL HAVE 1/2" CDX PLYWOOD SUBSTRATE, U.O.N.

DECOR:
A. SEE A2.0 FOR SEATING PLAN AND DETAILS.
B. SEE A7.0 FOR FLOOR FINISHES.
C. SEE A8.0 - A8.3 FOR WALL FINISHES.
D. SEE A7.1 FOR CEILING FINISHES.

GENERAL:
A. PROVIDE THREE FIRE EXTINGUISHERS - (2) 10 lb. BC and (1) 10 lb. ABC - TO COMPLY WITH LOCAL FIRE CODE. LOCATE PER DIRECTION OF FIRE MARSHALL OR LOCAL AUTHORIZING AGENT.
B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.

FLOOR PLAN NOTES **D**

1. NO FRP BEHIND W-059 WALK-IN COOLER/FREEZER.
2. PIPE BOLLARD. SEE DETAIL CIVIL DWGS.
3. HOOD WALL, SEE WALL LEGEND.
4. KEEP CLEAR FOR UTILITIES & SYRUP LINES. SEE DETAIL 7, 10 & 11/A6.4 FOR STUD LAYOUT REQUIREMENTS.
5. S.S. CORNER GUARD / WALL CAP [TM-2]. TYP. ALL CORNERS IN BACK-OF-HOUSE FROM REAR WALL TO THE KITCHEN SIDE OF THE SERVICE COUNTER. SEE DETAIL 19/A6.3.
6. SYRUP LINE CHASE (ABOVE). SEE DETAIL 11/A6.4.
7. 14"x14" HORIZONTAL OPENING FOR SYRUP TUBES. COORDINATE WALL PENETRATION WITH COUNTER INSTALLER. SEAL CHASE TO COUNTER. SEE 7/A6.4.
8. ROOF LADDER SEE 4/A6.0 & 6/A8.3
9. DOUBLE STUD WALL. SEE PARTITION TYPES FOR STUD SIZES.
10. NOT USED
11. FUR OUT WALL AS INDICATED WTH 2X4 WOOD STUDS AT 16" O.C.
12. LOW WALL BY G.C. COORDINATE WITH STRUCTURAL DRAWINGS.
13. STAINLESS STEEL SPLASH GUARD.
14. CORNER GUARD TILE SCHLUTER.
15. CONCRETE CURB. SEE STRUCTURAL & CIVIL/SITE DRAWINGS.
16. SEE STRUCTURAL FOR PATIO DIMENSIONS

KEY NOTES **B**

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REGISTERED ARCHITECT
CERTIFICATE NO. 41032
DANIEL WILSON
5.6.22
DATE EXPIRES
ARIZONA, U.S.A.

13048R21005

1 4.19.22 RTC	
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CONTRACT DATE:	12.01.2021
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TACO BELL

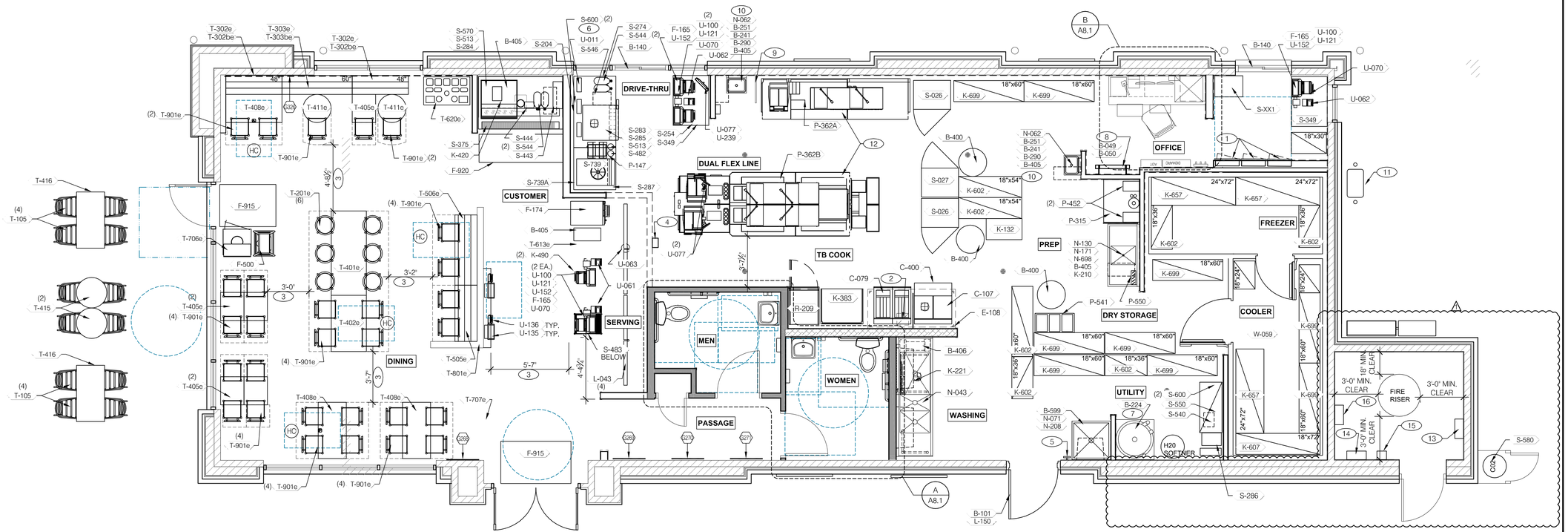
VILLAGE OF PRASADA
SURPRISE, AZ

TACO BELL

ENDEAVOR 2.0

FLOOR PLAN

A1.0



EQUIPMENT/SEATING PLAN 1/4"=1'-0" A

TAG	QTY	ITEM DESCRIPTION
T-201e	6	BARREL BARSTOOL - 29"
T-302be	2	BENCH BACK REST - 48"
T-302e	2	BENCH SEAT - 48"
T-303be	1	BENCH BACK REST - 60"
T-303e	1	BENCH SEAT - 60"
T-401e	1	HUB TABLE - 72" - HIGH TOP
T-402e	1	HUB TABLE - 48" - ADA
T-405e	5	LAMINATE TABLE - 24 X 20 X 30 - 2 TOP
T-408e	3	LAMINATE TABLE ADA - 24 X 48 X 30 - 4 TOP
T-411e	2	SS TABLE - 24 DIA X 30 - 2 TOP
T-505e	1	COUNTER TOP - 48" X 20" X 30"
T-506e	1	COUNTER TOP - 60" X 20" X 30"
T-613e	1	POS COUNTER - 3 POS
T-620e	1	CONDIMENT COUNTER - RECTANGLE
T-706e	1	WASTE ENCLOSURE - SINGLE

TAG	QTY	ITEM DESCRIPTION
T-707e	1	WASTE ENCLOSURE - DOUBLE
T-801e	1	KIOSK 1/2 TOWER
T-901e	29	CHAIR - LAMINATE SEAT

TAG	QTY	ITEM DESCRIPTION
T-105	6	EXTERIOR PATIO CHAIRS
T-415	2	EXTERIOR ROUND TABLE
T-415	2	EXTERIOR RECTANGULAR TABLE

FURNITURE PACKAGE - BY FURNITURE VENDOR U.O.N E

X	QTY.	NAME	FAMILY	FRAME OR MURAL	SIZE	LOCATION
3208	1	HYPNOTIZE ME BELL	D	M01	CUSTOM	SEE A8.0
3268	1	CAMO PATTERN	D	F01	28x40	SEE A8.0
3269	1	CAMO PATTERN	D	F01	28x40	SEE A8.0
3270	1	CAMO PATTERN	D	F01	28x40	SEE A8.0
3271	1	CAMO PATTERN	D	F01	28x40	SEE A8.0

ARTWORK SCHEDULE D

DECOR

1. REFER TO SC SHEETS FOR SCOPE OF WORK RESPONSIBILITIES.
2. (HC) - SYMBOL DENOTES A HANDICAP ACCESSIBLE TABLE.

GENERAL NOTES C1

STORAGE TYPE	LINEAR FT.
DRY STORAGE	53
COLD STORAGE	26
FROZEN STORAGE	12

SHELVING QUANTITIES REQUIRED C2

1. ELECTRICAL PANELS.
2. HOOD FIRE SUPPRESSION SYSTEM (ANSUL R-102 OR EQUAL).
3. MAINTAIN 36" MIN. CLEAR ACCESSIBLE AISLE EGRESS PATHS TO EXIT DOORS, 36" AT DOORWAYS AND CASED OPENINGS. (42" AISLE REQUIRED WHEN AISLE SERVES MORE THAN 50 SEATS).
4. ALERT LIGHT BOX FOR 3-COMP POWER SOAK.
5. PULL STATION @ 3'-8" A.F.F.
6. COORDINATE LOCATION OF HORIZONTAL PVC SYRUP CHASE THRU WALL TO COUNTER.
7. 6' HIGH WATER HEATER PLATFORM
8. ROOF LADDER WITH BILCO LADDER UP SAFETY POST.
9. SPLASH GUARD.
10. AUTOMATIC HAND SOAP AND SANITIZER DISPENSERS PROVIDED BY ECOLAB
11. GAS METER
12. FOR DUAL-FLEX LINE& I-FLEX LINE SUB-EQUIPMENT SEE SHEET A8.3.
13. CO2 TANK - LOCATED OUTSIDE IN GC CONSTRUCTED TREX CORRAL - MATCH BUILDING COLOR
14. DOCUMENT BOX
15. FACP
16. PULL STATION
17. SPARE SPRINKLER BOX

KEYNOTES B

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TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

EQUIPMENT AND SEATING PLAN

A2.0

EQUIPMENT SCHEDULE

TAG	#	G.C. INSTALL	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMBING	ELECTRICAL	GAS	REMARKS
			B CONTRACTOR BUILDING ELEMENTS					
B-049	1	X	ROOF LADDER	PRECISION LADDER #PH-G2-6X3-0				
B-050	1	X	ROOF HATCH	PRECISION LADDER #PH-G-2-6X3-0				
B-101	1		SECURITY DOOR	RSBS FACILITIES CONNECTION				SECURITY DOOR PER QUOTE LOCKNET TAN STEEL. INCLUDES: STEEL FRAME
B-140	2	X	DT WINDOW	QUICKSERV#SC4030BR - SELF CLOSING, R/H HANDLE, OPENS RIGHT				FINISH TO MATCH STOREFRONT, DARK BRONZE
B-219	1	X	WATER HEATER DUNNAGE RACK	SEE PLUMBING NEW AGE INDUSTRIAL CORP., INC #98147	X		X	
B-223	1	X	98% HIGH EFFICIENCY 120 MBH, 60 GAL. GAS WATER HEATER	KAY 3741 A.O. SMITH BTH 120 60 CYCLONE HE	X		X	
B-241	4	X	SOAP DISPENSER (WALL MOUNT)					
B-251	4	X	SANITIZER DISPENSER (WALL MOUNT)	KAY 3741				
B-265	2	X	MIRROR, 18 x 36 - ANTI GRAFFITI	BOBRICK #B-165-1836				
B-275	2	X	TOILET PAPER DISPENSER	BOBRICK #B-2890				
B-290	2	X	PAPER TOWEL DISPENSER	BOBRICK #B-262				
B-300	2	X	GRAB BAR 1-1/2"DIA X 36" S.S. FIN.	BOBRICK #B6806X36				SURFACE MTD
B-305	2	X	GRAB BAR 1-1/2"DIA X 42" S.S. FIN.	BOBRICK #B6806X42				SURFACE MTD
B-310	2	X	GRAB BAR VERTICAL 1-1/2 DIA. X 18 S.S. FIN.	BOBRICK #B6806X18				
B-381	1	X	CO2 CARBON DIOXIDE SENSOR/WARNING	LogiCO2 CO2 MK9 SENSOR		X		
B-400	1	X	WASTE BASKET - 32 GALLON	RUBBERMAID #2632 (GREY)				
B-405	7	X	WASTE BASKET					
B-406	1	X	WASTE BASKET	RUBBERMAID 28 QT #2956 (BLACK)				
B-410	1	X	SANITARY NAPKIN RECEPTACLE	RUBBERMAID #6140				
B-599	1	X	MOP SINK SHELVING	SPG #WST806Y				
B-XX1	2	X	INSTANTANEOUS WATER HEATER	SEE PLUMBING				
			C COOKING EQUIPMENT					
C-079	1	X	DUAL FRYER	FRYMASTER #2FQG30U		X	X	COMES WITH GAS HOSE KIT (OPTIONAL: PITCO #TB-SSHLV14-2/FD VS7)
C-107	1	X	RETHERMALIZER	PITCO #TB-SRTG14-2	X	X	X	
C-197	3	X	TOASTER, SPLIT LID	PROLUXE SL1266TB		X		POWERED BY PRODUCTION LINE - (OPTIONAL: STAR #PSC14DTB)
C-254	3	X	CHEESE MELTER (SINGLE)	A.J.ANTUNES #CM-100	X	X		POWERED BY PRODUCTION LINE
C-400	2	X	RETHERMALIZER TIMER	FAST #TBZAP12120V		X		
			E EXHAUST HOODS/FIRE SUPPORT					
E-107	1	X	STROTEVENT 6'-3" EXHAUST HOOD	STROTEVENT MODEL #SVND2		X		PRE-PIPED FOR ANSUL SUPPRESSION
E-108	1	X	STROTEVENT 106 IN. H X 111 IN. L BACK SPLASH	STROTEVENT MODEL #BACKSPLASH106X111FLA		X		
E-272	1	X	TIMER OUTLET			X		
			F OFFICE/EMPLOYEE/MUSIC/MISCELLANEOUS					
F-014	0	X	FILE CABINET (2 DRAWER HIGH) 18X36X27H	HON #582LL				
F-021	0	X	CHAIR - OFFICE	HON #4609AB10				IN OFFICE AREA, SEE SHEET A8.2
F-022	1	X	LICENSE FRAME (BLACK)	CREATIVE PALETTE TB30		X		IN OFFICE AREA
F-026	0	X	DESK LAMP	TBD				IN OFFICE AREA, SEE SHEET A8.2
F-030	1	X	COAT HOOK	ISS #HOOK246R2Y		X		IN OFFICE AREA
F-040	0		OFFICE COMPUTER	POS PROVIDED		X		IN OFFICE AREA, SEE SHEET A8.2
F-050	1		CREDIT CARD SATELLITE ROUTER JUNCTION					
F-060	0		MONITOR - OFFICE	YUM				
F-080	0		OFFICE PRINTER/COPIER/FAX/SCANNER	POS PROVIDED		X		
F-090	5		UPS (UN-INTERUPTABLE POWER SUPPLY)	POS PROVIDED		X		
F-102	1	X	MONEY COUNTER	TELLERMATE #TIXR3000		X		IN OFFICE AREA
F-131	1		SPEAKERS	MOOD MEDIA LOCAL LEASE		X		
F-165	3	X	FRONT LOAD SAFE	PERMA VAULT #PRO-10TM				
F-174	1		SAFE WITH TOUCHSCREEN			X		
F-211	1	X	CLOCK	B&B SYSTEMS #02100100				IN OFFICE AREA, SEE SHEET A8.2
F-262	0	X	6 COUNT EMPLOYEE LOCKERS E76000235	LYON WORKPLACE 12" X 18" X 78" GREY		X		IN OFFICE AREA
F-270	1	X	FIRST AID KIT	PROSTAT FIRST AID LCC #2617		X		IN OFFICE AREA
F-500	1		STACKABLE HIGH CHAIR					
F-504	1		DVR & MONITOR					
F-915	2		FLOOR MAT	CREWSAFE, ENTRANCE I #41150012				RUBBERIZED - 3'-5', RIBBED, CHARCOAL, WSM #800503
F-920	1		RUBBER MAT	CREWSAFE, WSM#800507				RUBBERIZED - BLACK 2X8, 1/4 NON SLIP CORRUGATED TOP & RUBBER NO-SLIP BACK ENTRANCE
			K WORKSTATIONS/SHELVING/CARTS					
K-132	1		CART, CLOSING MADE SIMPLE	SPG / ISS (Alternate: METRO)				#WST1434Y
K-210	1		PREP SINK WORKSTATION 50 TRACK	SPG / ISS (Alternate: METRO)				#WST255E, Wall Trax System for 1-Comp Sink, 16X50X40 + ACC
K-221	1	X	3 COMP SINK WORKSTATION 96 TRACK	SPG / ISS (Alternate: METRO)				#DS1F, Wall Trax System for 3 Comp Sink, (3) 18X24 GRIDS + ACC
K-383	1		FRY WORKSTATION 30D x 78H x 36 in.	SPG / ISS (Alternate: METRO)				#WST1724E, 36 in. Crispy Frystation
K-420	1		SHELF, BEV PLATFORM 18X24	SPG / ISS (Alternate: METRO)				#WST34Y: F/CARBONATOR, &/OR RECIRC PUMP
K-490	2		SHELVING 18x24x24, 2-TIER	SPG / ISS (Alternate: METRO)				#WST440Y
K-522	2		SHELVING, 18x60x76, 5-TIER, SMALL PACKAGING	SPG / ISS (Alternate: METRO)				#WST1548Y
K-523	2		SHELVING, 18x60x76, 3-TIER, CUP & LID	SPG / ISS (Alternate: METRO)				#WST1580Y
K-602	9		SHELVING, 18x36x86, 5-TIER, DRY STORAGE	SPG / ISS (Alternate: METRO)				#WST238Y
K-607	1		SHELVING	SPG / ISS (Alternate: METRO)				
K-657	2	X	SHELVING 24x72x86, 5-TIER	SPG / ISS (Alternate: METRO)				#SU247285Y: WALK-IN COOLER 24X72X86
K-698	2		SHELVING 18X24X74, 5-TIER	SPG / ISS (Alternate: METRO)				#SU186075Y
K-699	5		SHELVING 18x60x74, 5-TIER	SPG / ISS (Alternate: METRO)				#SU186075Y
K-708	1		SHELVING 9x30x24, 1-TIER	SPG / ISS (Alternate: METRO)				#WST1702Y
K-XX1	1		SHELVING 24x60x74, 5-TIER					
			L LIGHTING/SIGNAGE/MENUBOARDS					
L-043	4		DIGITAL MENU BOARD	STRATACACHE, LG 43" DISPLAY		X		WITH CEILING MOUNTED BRACKETS
L-150	1		SECURITY DOOR DANGER SIGN	ADVERCO#ADVCUSTOM				ORDERED DIRECT FROM YRFS
			N SINKS/DISHWASHER					
N-043	1	X	3-COMP POWER SOAK	GEN III	X	X		INCLUDES T&S FAUCET #B-2475-PS-OH (FRANCHISE OPTION: GEN III)
N-062	2	X	STAINLESS STEEL WALL MOUNTED SINK WITH FAUCET	AERO #HS-MOD	X			
N-071	1	X	MOP SINK FAUCET	T&S B-2465	X			
N-130	1	X	1 COMP PREP SINK FAUCET	T&S B-0831-WA	X			FRANCHISE OPTION N-134: T&S B-2465
N-141	2	X	WALL MOUNTED LAVATORY	AMERICAN STANDARDS BRAND	X			WHITE VITREOUS CHINA WALL MOUNTED LAVATORY WITH ACCESSORIES. N-141 IS METERED FAUCET.FAUCET, LAVATORY, CENTERSET MIXING, #B-0890-WS
N-146	2	X	FAUCET (RESTROOMS)	T&S FAUCET B-0831-WA	X			2" TWIST TYPE FOR N-698
N-171	1		LEVER WASTE DRAIN		X			
N-208	1	X	MOP SINK	AERO #3MP-2121-6/1P	X			INCLUDES (2) 24X36 WALL PANELS
N-698	1	X	1 COMP PREP SINK 53W X 27D X 35 1/2H	AERO #2F1211617LR	X			
			P FOOD PREPARATION					
P-147	1		BUNN COFFEE BREWER	MCA BLK Single Serve #35400.0005		X		
P-315	1	X	REVERSE OSMOSIS SYSTEM	3M #56123-06, FSTM-075	X			INSTALL OVER FLOOR SINK
P-362A	1	X	FLEX I LINE, L-R	FRANKE	X	X		
P-362B	1	X	FLEX DUAL LINE	FRANKE	X	X		
P-417	1	X	8-CHANNEL TIMER	FAST #KTRACK2X4TB		X		
P-452	2	X	HOT WATER SYSTEM	BUNN-MACHINE #43600.0014	X	X		Each System= Water Heater #43600.0014, Bracket #13125.0003, Shelf#12599.0000, Scale Inhibitor #39000.0001, Mount Sideaways
P-541	1		STORAGE BINS	B4B SYSTEMS #03070100				
P-550	0	X	KNIFE RACK	EDLUND #KR-699				
P-673	0		WORK TABLE					

TAG	#	G.C. INSTALL	ITEM DESCRIPTION	MFR. & MODEL NUMBER	PLUMBING	ELECTRICAL	GAS	REMARKS
			S SERVING/DRIVE-THRU					
S-023	1	X	WARMER, EVO	CARTER HOFFMAN		X		
S-024	1	X	WARMER, EVO	CARTER HOFFMAN		X		
S-026	2	X	HEAT CABINET - FULL HEIGTH - (1) RH	CRESCOR #H137S27D1TB		X		W/8 SHELVES EACH
S-027	1	X	HEAT CABINET - FULL HEIGHT - (1) RH	CRESCOR #H137S27D1TB		X		W/ 8 RACKS
S-065	2	X	DESSERT TOWER	HATCO #GRBW-24D				
S-204	1	X	DRIVE-THRU TIMER SYSTEM	HME #C11422TB		X		
S-254	1		CONDIMENT RACK	PRONTO #CHPWO446				
S-274	1	X	DRIVE-THRU BEVERAGE WORKSTATION	SPG WST1242YA				OPTIONAL: METRO
S-283	1	X	DRINK STAGER WITHOUT STRAW HOLDER	WST788E				
S-284	1		BEVERAGE DISPENSER - SELF-SERVE	CORNELIUS 611057625	X	X		SEE SCOPE OF WORK (PEPSI)
S-285	1		BEVERAGE DISPENSER - DRIVE THRU	SERVEND	X	X		SEE SCOPE OF WORK (PEPSI)
S-286	1	X	WATER FILTER SYSTEM	SHURFLO #WB6-M3-22-003				FRANCHISEES CAN USE SELECTO #TB5/620-5
S-287	1	X	ISS-TABLE, D/T, TB, 24 IN X36 IN PREASSEMBLED	FBD #1273610021	X	X		
S-349	2		DRIVE-THRU PICK-UP WORKSTATION 30X42	SPG				OPTIONAL:METRO
S-375	1	X	DRINK STATION	CARTER-HOFFMAN	X			
S-443	1	X	LID DISPENSER	CAL-MIL ADA TB103				
S-444	1	X	NAPKIN DISPENSER	TOR XPRESSNAP #5555100				
S-482	1		CUP DISPENSER	A.J. ATUNES #DACS60				W/ ANGLED MOUNTING BRICKET OMNITEAM CDB-DTA
S-483	1		CUP DISPENSER	A.J. ATUNES #DACS50				
S-489	3		SCALE	EDLUND				10#X.1OZ, ELECTRONIC, EDLUND #DS-10 CSTM; WSM #113464
S-513	2		ICE MAKER (PLACED ON TOP OF DRINK MACHINES)	MANITOWOC, KMS-1401MLJ	X	X		W/ROOF MOUNTED CONDENSERS HOSHIZAKI FRANCHISEES CAN USE HOSHISAKI KMS-1230
S-540	1		PEPSI BOOSTER TANK		X	X		SEE SCOPE OF WORK (PEPSI)
S-544	4		ICE TEA URN	BUNN/TDO-N-3.5				
S-546	1	X	ICED TEA BREWER	TETLEY TB3Q	X	X		
S-550	1		BAG-IN-BOX SYRUP RACK	CORNELIUS/REMCOR BNP12B8P	X			FLO-3REG-2CRB (BY PEPSI)
S-570	2		CARBONATOR	CORNELIUS/REMCOR	X	X		SHELF MOUNTED BELOW EACH DRINK (BY PEPSI)
S-580	1		CO2 BULK TANK	MVE #11805373				
S-600	4		BUNDLED SYRUP LINES	CORNELIUS/REMCOR TUBE BUNDLE	X			SEE SCOPE OF WORK (PEPSI)
S-737	1	X	FROZEN BEVERAGE DISPENSER-SELF CONTAINED	FBD #12-7361-0014	X	X		
			U SECURITY/COMMUNICATIONS/FIRE PROTECTION/POS					
U-011	1		BASE STATION - D/T COMM. SYSTEM	HME #C40000-5-HS3-TB				
U-052	1	X	SECURITY SYSTEM	ADT #3BCZTB		X		
U-061	3		CREDIT CARD READER			X		
U-062	2		DRIVE-THRU CREDIT CARD READER	VERIFONE P400		X		
U-063	2		ALARM SENSOR			X		
U-070	4		RECIEPT PRINTER	EPSON		X		2 FOR F/C AND 1 D/T 5.71 IN X 7.68 IN X 5.83 IN
U-076	2		ATOM SERVER	EN POINTE TECHNOLOGIES		X		12V DC 60W SYSE3029ARS011-CSP
U-077	5		TABLET 10.1"	EN POINTE TECHNOLOGIES - TABLET E611101				
U-100	5		POS/ORDER ENTRY TERMINAL			X		2 FOR F/C AND 1 D/T
U-121	4		CASH DRAWER BRACKETS	#SU186075Y				2 PER CASH DRAWER
U-135	2		KIOSK TABLET	SSP		X		
U-136	2		VERIFONE (CREDIT CARD MACHINE	SSP		X		
U-152	3		CASH DRAWER	IBM, NCR & PAR				2 FOR F/C AND D/T
U-239	1		MONITOR CEILING MOUNTED BRACKET	IBM, NCR & PAR				
			W WALK-IN COOLERS/FREEZERS					
W-059	1	X	WALK-IN	ICS/NORLAKE #105181	X	X		COMBO, TB, #105181, BUDGETARY 19-4X7X9-2 OAD, MEDIUM BUILDING PROTOTYPE, INCLUDES LED
			R REFRIGERATION					
R-209	1		FRY STATION REACH-IN FREEZER (RIGHT HINGED)	DELFIELD #GBF1P-SH-TB2		X		OPTION: LEFT HINGED VERSION - DELFIELD #GBF1P-SH-IK-TB2

BIM 360://IRV19-0275-00_Taco Bell Endeavor 2.0/0275_ARCH_MED40.rvt

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REGISTERED ARCHITECT CERTIFICATE NO. 74032 DANIEL WILSON DATE SIGNED: 2-15-22 ARIZONA, U.S.A.

13048R21005

CONTRACT DATE: 12.01.2021
BUILDING TYPE: END. MED40
PLAN VERSION: XX.XX.XXXX
SITE NUMBER: XXXXXX
STORE NUMBER:

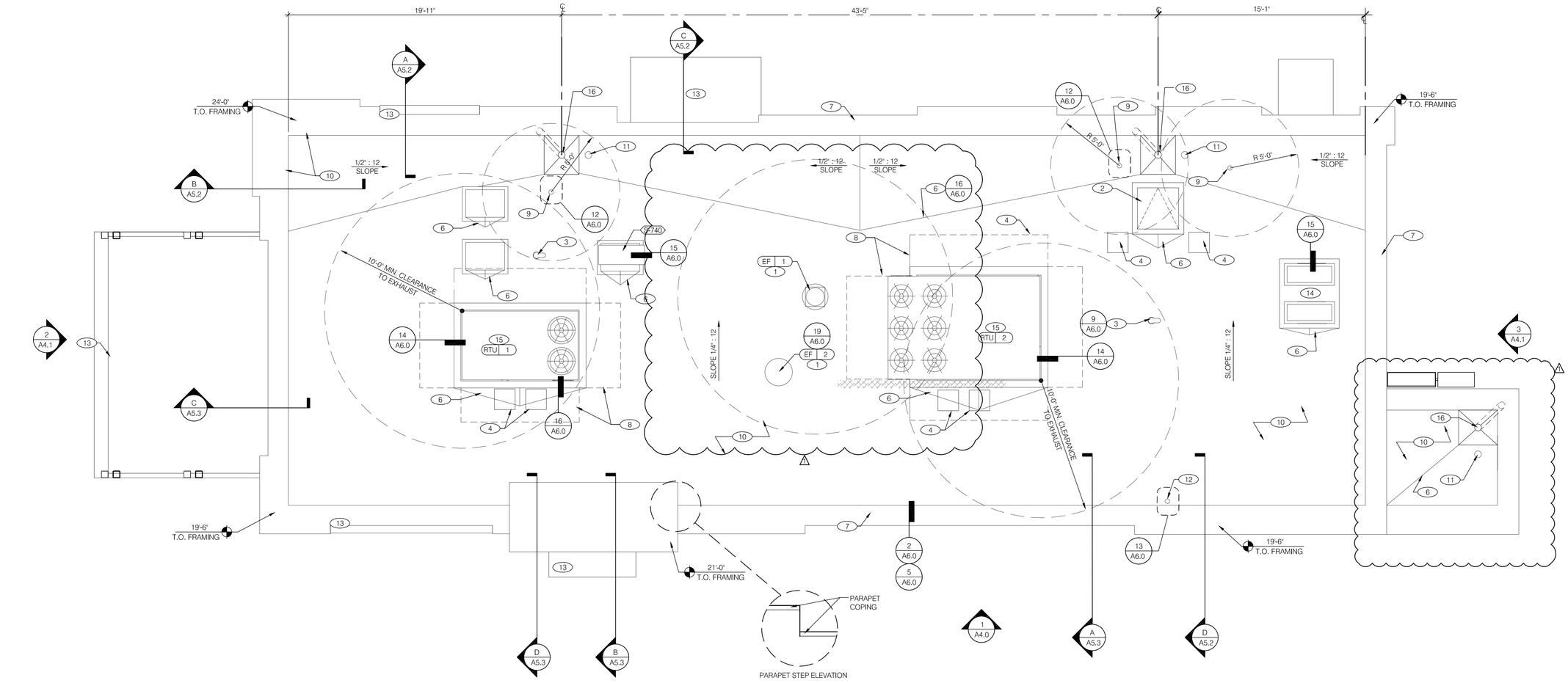
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

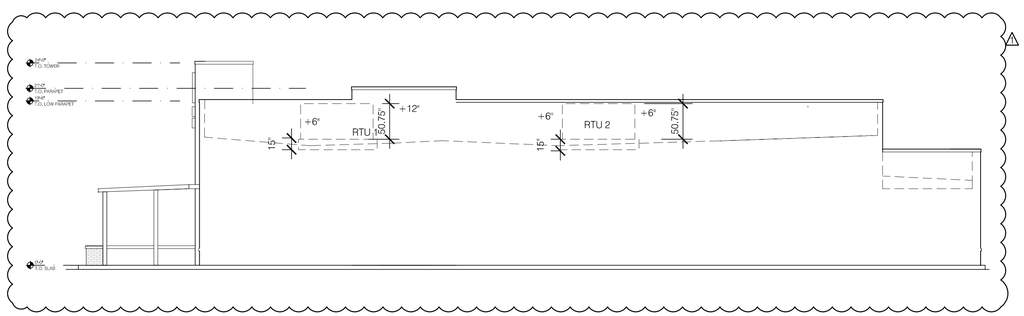
ENDEAVOR 2.0

EQUIPMENT SCHEDULE

A2.1



ROOF PLAN 1/4"=1'-0" **A**



BUILIDNG CROSS SECTION N.T.S **F**

WATERPROOFING:
A. PAINT UNDERSIDE OF PARAPET CAP FLASHING WITH FACTORY BONDED PAINT GRIP OR PRIMER.
B. TOP NAILING AT PARAPET CAP FLASHING WILL NOT BE ACCEPTED.
C. PENETRATIONS IN ROOFING MEMBRANE AND FLASHING SHALL ONLY BE MADE AS INDICATED ON THE DRAWINGS OR SPECS.
D. SEE SPECIFICATIONS FOR SEALANT SPECS.
E. ALL SHEET MTL FLASHING SHALL BE 22 GA MIN.

MISCELLANEOUS:
A. ROOF PENETRATIONS CLOSER THAN 12" FROM ANOTHER WILL NOT BE ALLOWED.
B. EXHAUST FANS MIN. 10'-0" AWAY FROM ALL AIR INTAKE / SUPPLY.
C. LOCATE WALK-IN CONDENSERS ON ROOF ONLY IF REQUIRED BY CODE.

ROOF PLAN NOTES **E**

1. KITCHEN HOOD EXHAUST FAN. SEE SHEETS M3.0 & DETAIL 19/A6.0.
2. ROOF HATCH: SEE 7/A6.0.
3. PIPE HOOD FOR UTILITIES. SEE DETAIL 9/A6.0.
4. 24x36 WALK MATS. SEE ROOF SPECS.
5. CHANGE IN PARAPET ELEVATION.
6. ROOF CRICKET. MIN. 1/2" : 12 SLOPE SEE DETAIL 16/A6.0.
7. METAL PARAPET CAP. SEE DETAIL 2 & 5/A6.0
8. MAINTAIN MFR'S ROOFTOP UNIT MAINTENANCE CLEARANCE.
9. WASTE VENT THROUGH ROOF. THE TOP OF WASTE VENTS SHALL BE 12" HIGHER THAN THE CLOSEST PARAPET CAP U.N.O. OR NOT ALLOWED BY LOCAL JURISDICTION. SEE 12/A6.0 FOR FLASHING ASSEMBLY.
10. "DURO-LAST" SINGLE PLY ROOF MEMBRANE OVER MINIMUM R-20 RIGID INSULATION BOARD OVER 5/8" APA RATED EXTERIOR GRADE PLYWOOD OVER TRUSSES. INSTALL PER MANUFACTURERS SPECIFICATIONS. MAIN ROOF - WHITE IN COLOR - BACK OF METAL TOWER - TAN IN COLOR
11. OVERFLOW DRAIN.
12. WATER HEATER VENT.
13. PATIO COVER
14. WALK-IN COOLER / FREEZER CONDENSERS.
15. ROOFTOP UNIT. INSTALL PLUMB AND LEVEL.
16. ROOF DRAIN

KEY NOTES **B**

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REGISTERED ARCHITECT CERTIFICATE NO. 74032 DANIEL WILSON 5.6.22 ARIZONA, U.S.A.

13048R21005

1 4.19.22 RTC	
2	
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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

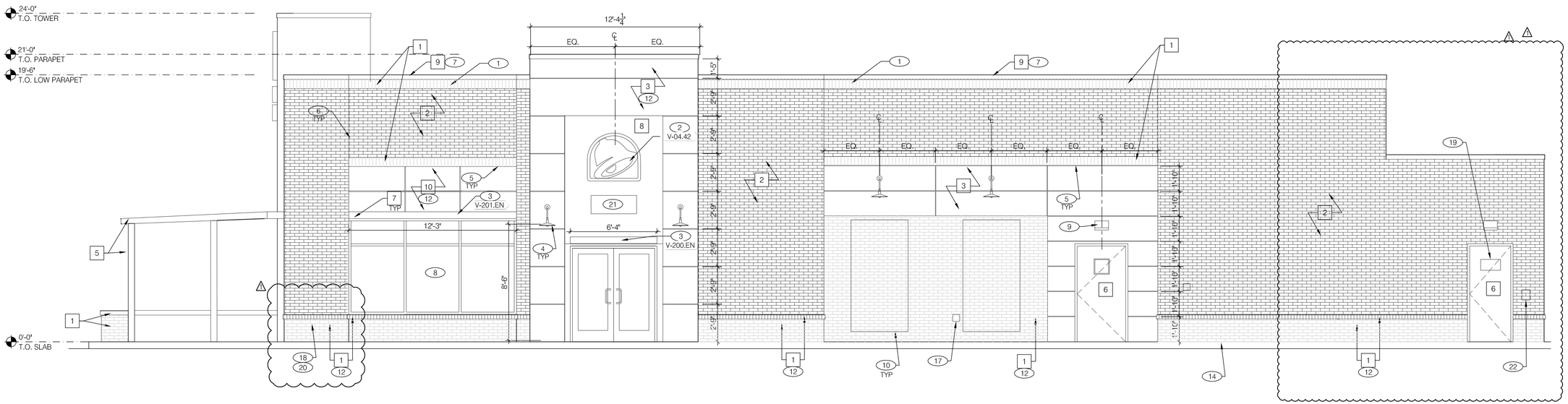
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

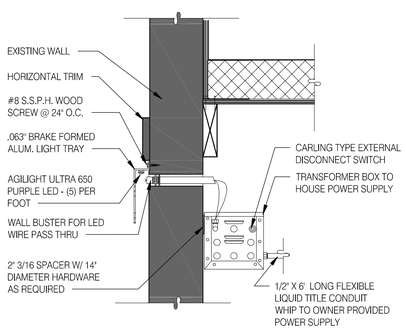
ENDEAVOR 2.0

ROOF PLAN

A3.0



RIGHT SIDE ELEVATION 1/4" = 1'-0" | 1



LED TRIM LIGHT | f

NOTE: SIGNAGE UNDER SEPARATE PERMIT

V-XXX	QTY	ITEM DESCRIPTION	ELEC
TOWER			
V-04.42	2	42" SWINGING BELL PURPLE LOGO FACE LIT WITH	A4.1
V-09.14W	2	14" WHITE CHANNEL LETTERS VERTICAL	
SIDE ENTRY			
V-04.42	1	42" SWINGING BELL PURPLE LOGO FACE LIT	A4.0
V-200.EN	1	6'-4" x 6'-3" SIDE ENTRY CANOPY, BLACK	A4.0
DRIVE THRU			
V-101.DT	1	4'-0" x 9'-0" DT CANOPY, BLACK	A4.1
V-XXX.DT	1	4'-0" x 6'-0" DT CANOPY, BLACK	A4.1
REAR			
V-04.30	1	30" SWINGING BELL PURPLE LOGO FACE LIT WITH	A4.1
V-09.14W	1	14" WHITE CHANNEL LETTERS HORIZONTAL	
EYEBROW AWNINGS			
V-202.EN	1	16'-10"L x 6"H x 1'-4"D, FRONT EYEBROW, BLACK	A4.1
V-203.EN	1	7'-9"L x 6"H x 1'-4"D, DT EYEBROW, BLACK	A4.1
V-201.EN	1	12'-3"L x 6"H x 1'-4"D, SIDE ENTRY EYEBROW, BLACK	A4.0

SIGNAGE / AWNING SCHEDULE | E

MISCELLANEOUS
A. SEE SHEET A1.1 "WINDOW TYPES" FOR WINDOW ELEVATIONS.

SEALERS (REFER TO SPECS):
A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.
B. SEALANT AT ALL WINDOW AND DOOR FRAMES AT HEAD AND JAMB. DO NOT SEAL SILL @ WINDOWS.
C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING & CANOPY.

CRITICAL DIMENSIONS:
A. REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION WITH STANDARD SIGNAGE/ BUILDING ELEMENTS DIMENSIONS.

NOTE: NO EXTERIOR SIGNS ARE WITHIN THE SCOPE OF WORK COVERED BY THE BUILDING PERMIT APPLICATION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL EXTERIOR SIGNS AND INSTALLATION OF REQUIRED BLOCKING AND ELECTRICAL CONNECTIONS FOR FINAL APPROVED SIGNS.

GENERAL NOTES | C

PAINTING

A. APPLICATOR MUST DO THEIR DUE DILIGENCE WITH PREPARATION.

B. PRIMER: 1 COAT SW A24W8300, LOXON CONCRETE & MASONRY PRIMER
FINISH: 2 COATS SW A82-100 SERIES, MATCH COLORS FROM MATERIAL SCHEDULE.
A-100 EXTERIOR LATEX SEMI-GLOSS

PAINT NOTES | A

SYMBOL	AREA	MANUFACTURER	MATERIAL SPEC.	COLOR	CONTACT INFORMATION
1	BRICK- WAINSCOT AND ACCENT COLOR	SUMMIT BRICK	BRICK	ANDIRON	
2	BRICK-FIELD BRICK	SUMMIT BRICK	BRICK	SILVERTON	
3	RECESSED AREAS	JAMES HARDIE	HARDIE REVEAL PANEL REVEAL PANEL SYSTEM	6376 LOOKING GLASS	
4	CORNER TOWER	CMG METALS	PRE-FINISHED METAL	VINTAGE	
5	PATIO BEAMS/COLUMNS	DUNN EDWARDS	STUCCO	6376 LOOKING GLASS	
6	HOLLOW METAL DOOR	DUNN EDWARDS		6376 LOOKING GLASS	
7	AWNINGS	SIGNAGE VENDOR	-	BLACK BY THE SIGNAGE VENDOR	
8	RECESS OF SIDE ENTRY PORTAL	CMG METALS	PRE-FINISHED METAL	VINTAGE	SEE C / A 7.2
9	METAL PARAPET CAP		24GA GALVANIZED	SHERWIN WILLAMS SW7076 "CYBERSPACE" KYNAR 500 COATING	

NOTE: FOR CONTACT INFORMATION, SEE C/A7.2 **EXTERIOR FINISH SCHEDULE** | D

1. PARAPET HT HAS BEEN ADJUSTED TO SCREEN ALL ROOFTOP EQUIPMENT FROM VIEW.
2. BUILDING SIGNAGE BY VENDOR. CONTRACTOR TO COORDINATE WITH VENDOR FOR RELATED REQUIREMENTS.
3. METAL CANOPY / AWNING BY VENDOR. CONTRACTOR TO COORDINATE WITH VENDOR FOR RELATED REQUIREMENTS.
4. LIGHT SCONCE.
5. PURPLE LIGHT WALL WASHER, PROVIDED BY SIGNAGE VENDOR.
6. DASHED LINE INDICATES ROOF BEYOND.
7. METAL PARAPET CAP.
8. DRIVE THRU / STOREFRONT WINDOW.
9. WALL PACK LIGHT FIXTURE.
10. EXTERIOR EXPRESSION PANEL.
11. ASSUME D/T LANE SURFACE IS 6" BELOW THE FINISH FLOOR.
12. BRICK
13. OVERFLOW DRAIN.
14. CONCRETE CURB. REF. CIVIL
15. ELECTRICAL PANELS. PAINT TO MATCH BUILDING
16. CO2 CORRAL BY GC
17. HOSE BIB BOX AT 18" A.F.F. REFER TO PLUMBING AND DETAIL 8/A6.2
18. WALL MOUNTED FIRE DEPARTMENT CONNECTION CENTER HEIGHT SHALL NOT BE LESS THAN 24 INCHES (610 MM) NOR GREATER THAN 48 INCHES (1 219 MM) ABOVE FINISHED GRADE. THERE SHALL BE A FIRE HYDRANT LOCATED WITHIN 100 FEET BASED ON HOSE LAY. REMOTE STANDALONE FIRE DEPARTMENT CONNECTION CENTER HEIGHT SHALL NOT BE LESS THAN 24 INCHES (610 MM) NOR GREATER THAN 48 INCHES (1 219 MM) ABOVE FINISHED GRADE. THERE SHALL BE A FIRE HYDRANT LOCATED WITHIN 25 FEET BASED ON HOSE LAY. COORDINATE LOCATION WITH AHJ.
19. LOCATION OF FIRE EQUIPMENT ROOM EXTERIOR DOOR SIGNAGE AS PART OF DEFERRAL SUBMITTAL BY FIRE SUPPRESSION CONTRACTOR, VERIFY EXACT LOCATIONS AND REQUIREMENTS WITH AHJ.
20. PROPOSED LOCATION OF FIRE DEPARTMENT CONNECTION SHOWN (COORDINATE WITH LOCAL FIRE MARSHAL) HORN STROBE AND SIGNAGE LOCATIONS/REQUIREMENTS AS PART OF DEFERRAL SUBMITTAL BY FIRE SUPPRESSION CONTRACTOR, VERIFY EXACT LOCATIONS AND REQUIREMENTS WITH AHJ.
21. LOCATION OF BUILDING ADDRESS. VERIFY ACTUAL ADDRESS AND REQUIREMENTS AHJ.
22. SURFACE MOUNTED KNOX BOX BY G.C. VERIFY EXACT LOCATION AND REQUIREMENTS WITH AHJ.

FS21-1005

KEY NOTES | B

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REGISTERED ARCHITECT CERTIFICATE NO. 24052 DANIEL WILSON 5.6.22 EXPIRES ARIZONA, U.S.A.

13048R21005

1 4.19.22 RTC
2 5.10.22 DRC RTC

CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

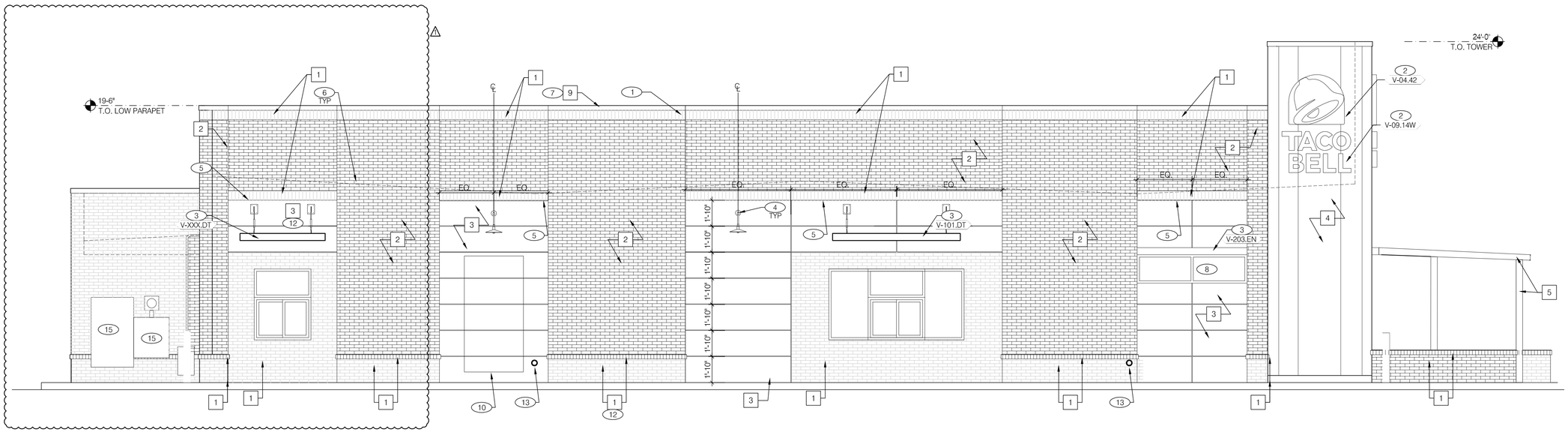
TACO BELL

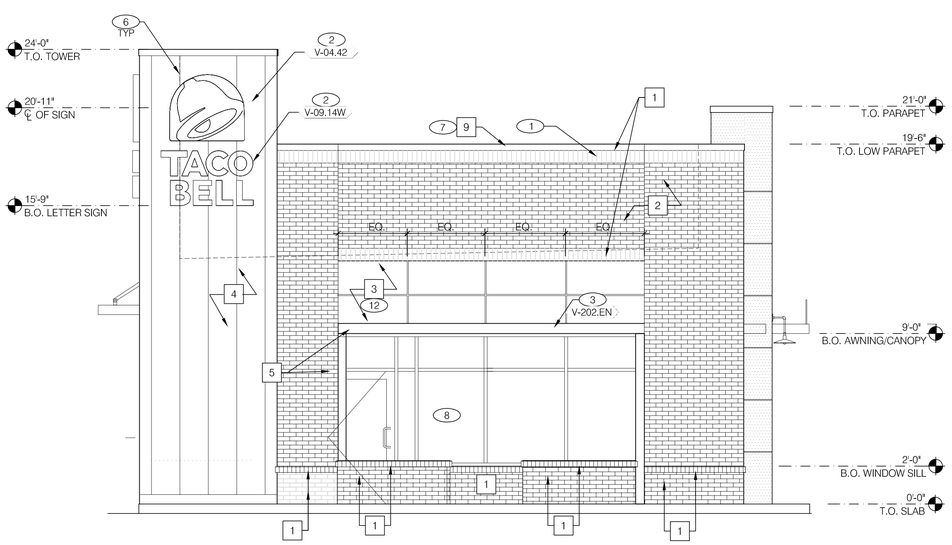
VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

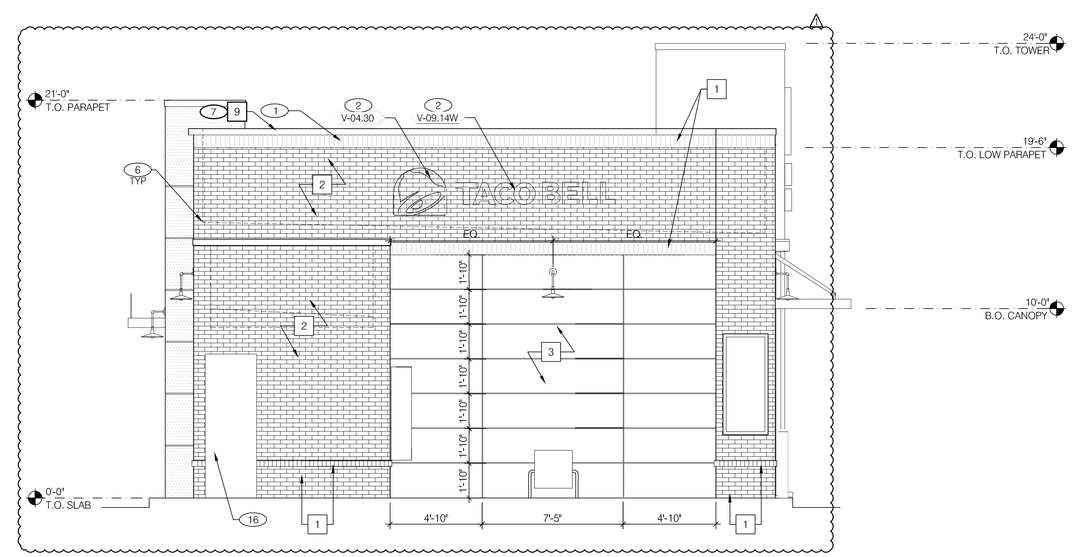
EXTERIOR ELEVATIONS

A4.0





FRONT ELEVATION 1/4" = 1'-0" | 2



REAR ELEVATION 1/4" = 1'-0" | 3

FS21-1005

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REGISTERED ARCHITECT
CERTIFICATE NO.
24032
DANIEL
WILSON
5.6.22
EXPIRES
ARIZONA, U.S.A.

13048R21005

1	4.19.22 RTC
2	5.10.22 DRC RTC
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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

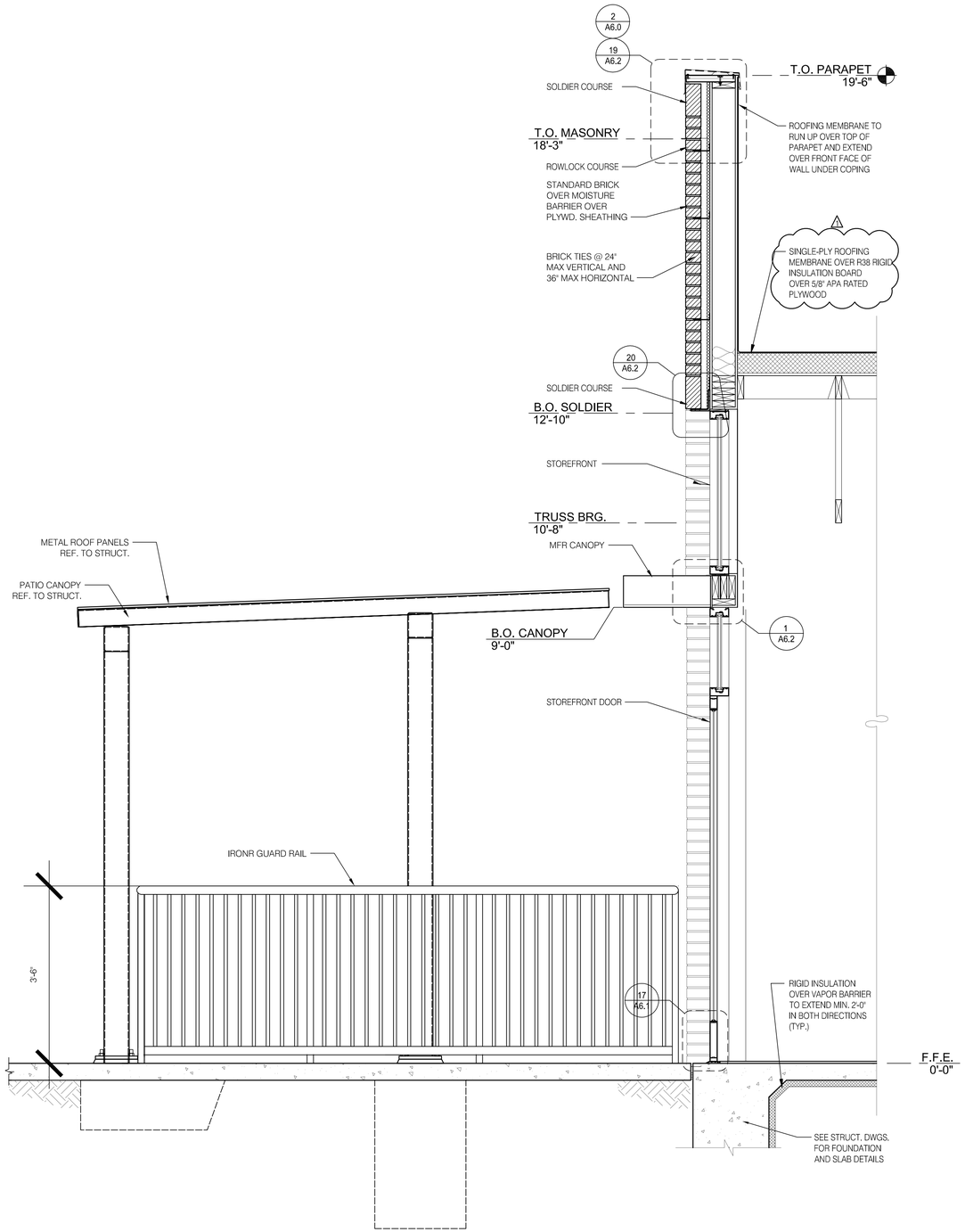
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

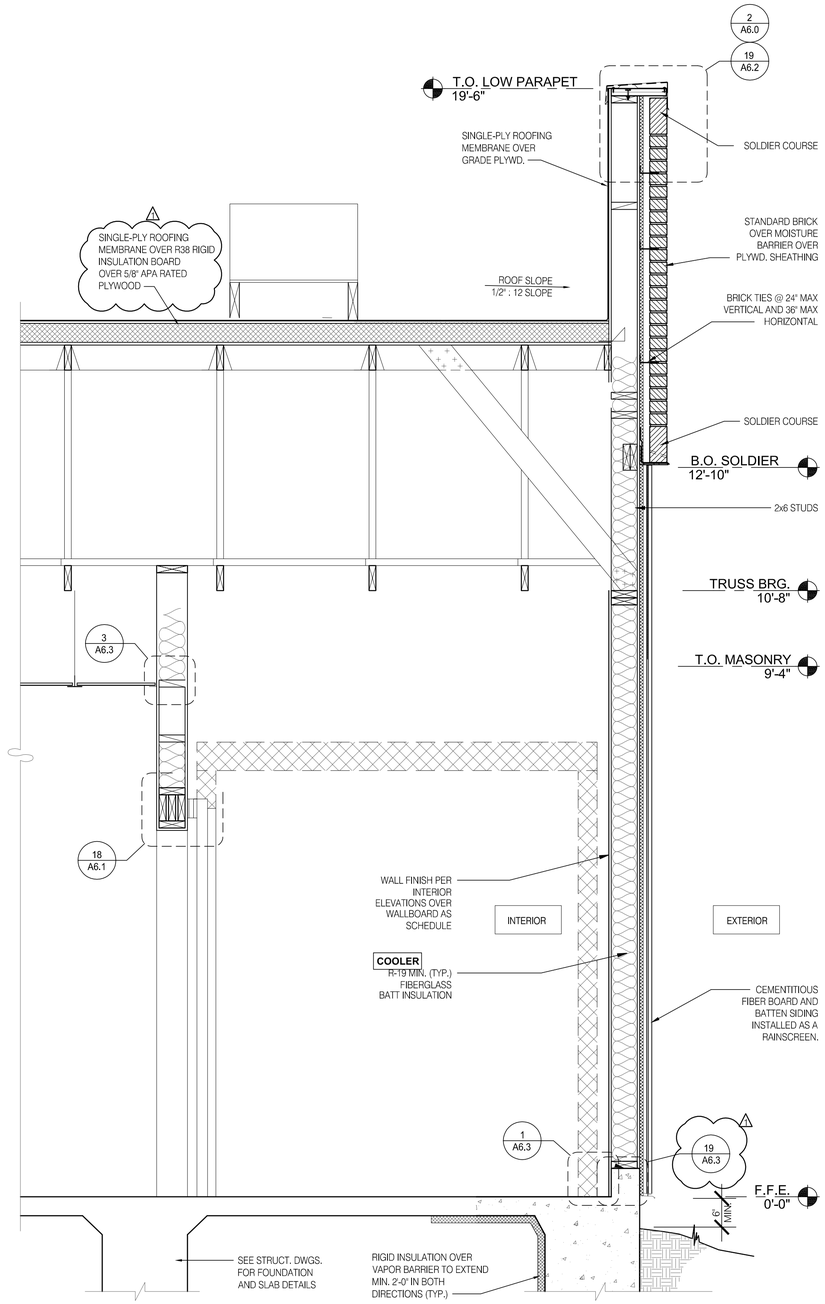
ENDEAVOR 2.0

EXTERIOR ELEVATIONS

A4.1



PATIO 3/4" = 1'-0" | **B**



WALL SECTION AT COOLER 3/4" = 1'-0" | **A**

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REGISTERED ARCHITECT
CERTIFICATE NO.
74032
DANIEL WILSON
5-6-22
EXPIRES
ARIZONA, U.S.A.

13048R21005

1	4.19.22 RTC
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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

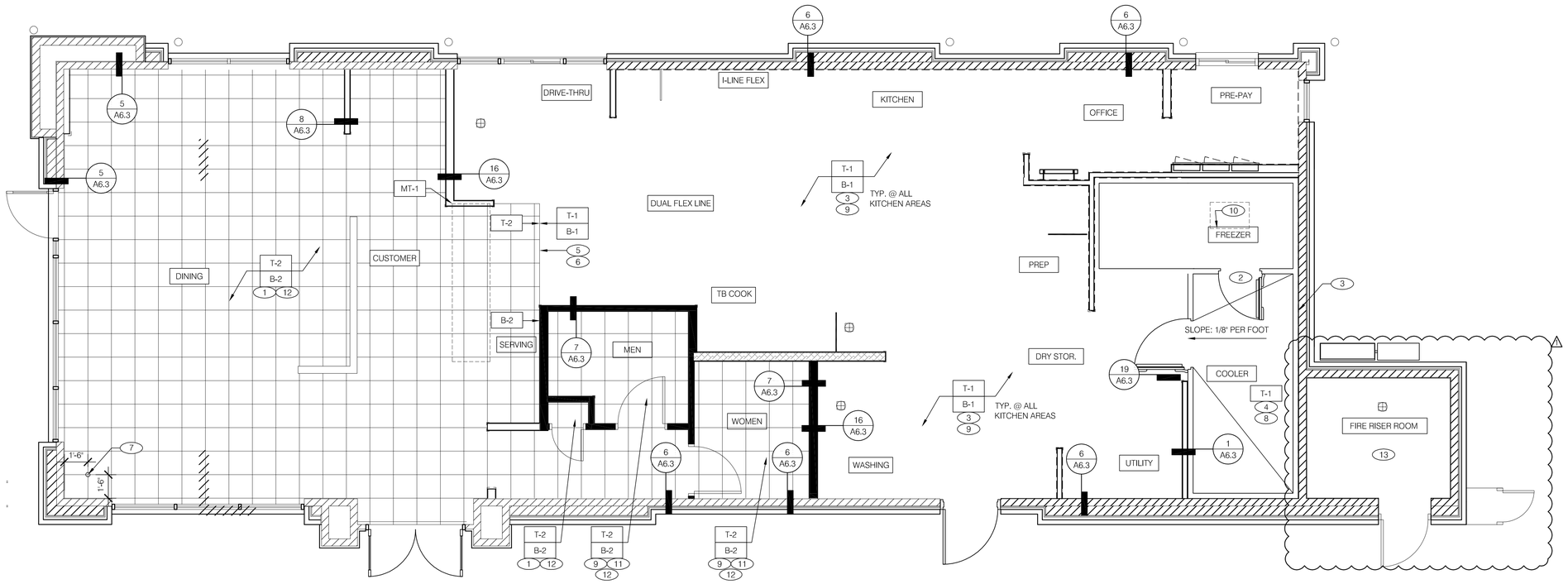
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

TACO BELL
ENDEAVOR 2.0

WALL SECTIONS

A5.2



FLOOR FINISH PLAN 1/4"= 1'-0" | **A**

NOT USED | **F**

A. ▭ DENOTES FINISH MATERIAL. REFER TO SHT A7.2 FOR FINISHES.

B. TILE JOINTS (U.O.N.):
   1. PORCELAIN FLOOR TILE : 1/8"
   2. GLAZED WALL TILE : 1/8"
   3. BASE, TRIM AND ACCESSORIES : MATCH ADJOINING TILE UNITS

C. TILE INSTALLATIONS REQUIRE MANUFACTURERS STANDARD MOLDED CORNERS AT BOTH INSIDE AND OUTSIDE CORNERS.

D. RESTROOM BASE TILE SHALL BE SANITARY COVE STYLE WITH 3/8" MIN. RADIUS UNLESS NOTED OTHERWISE.

E. SEE SCOPE OF WORK SHEETS FOR RESPONSIBILITIES.

F. PROVIDE CLEAR SILICONE CAULK WHERE FRP STOPS AT TOP OF COVE BASE.

G. TILE CHIPPING AROUND CORE DRILL HOLES FOR SEATING FIXTURE WILL NOT BE ACCEPTED.

FINISH NOTES | **D**

1. 6" COVE TILE BASE. SEE DETAILS 8/A6.3 (INTERIOR) AND 6/A6.3 (EXTERIOR) FOR INSTALLATION.
2. STEP-UP AT FREEZER THRESHOLD.
3. NO BASE TILE BEHIND W-059 FOR WALK-IN COOLER/FREEZER.
4. PROVIDE FLOOR TILE INSIDE WALK-IN COOLER (NO TILE OR BASE INVFREEZER). FLOAT FLOOR TILE IN COOLERS TO DRAIN TO KITCHEN.COORDINATE WITH COOLER WALL CONFIGURATION.
5. ALIGN FLOOR TILE TRANSITION WITH FACE OF WALL.
6. FLOAT FLOOR TILE FOR FLUSH TRANSITION.
7. START POINT FOR FLOOR TILE.
8. METAL BASE IN COOLER; SEE SCOPE OF WORK. SEE DETAIL 1/A6.3.
9. REFER TO STRUCTURAL DRAWINGS FOR CONCRETE FLOOR SLOPES AROUND FLOOR DRAINS.
10. PROVIDE FLOOR TILE INSIDE WALK-IN COOLER (NO TILE OR BASE IN FREEZER). FLOAT FLOOR TILE IN COOLERS TO DRAIN TO KITCHEN.COORDINATE WITH COOLER WALL CONFIGURATION.
11. SANITARY TILE BASE IN RESTROOM.
12. INSTALL FLOOR TILE WITH OFFSET NO MORE THAN 33% OR INSTALL IN A STRAIGHT STACK BOND.
13. CONCRETE FLOOR △1

KEY NOTES | **B**

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13048R21005

△1 4.19.22 RTC

CONTRACT DATE:	12.01.2021
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STORE NUMBER:	

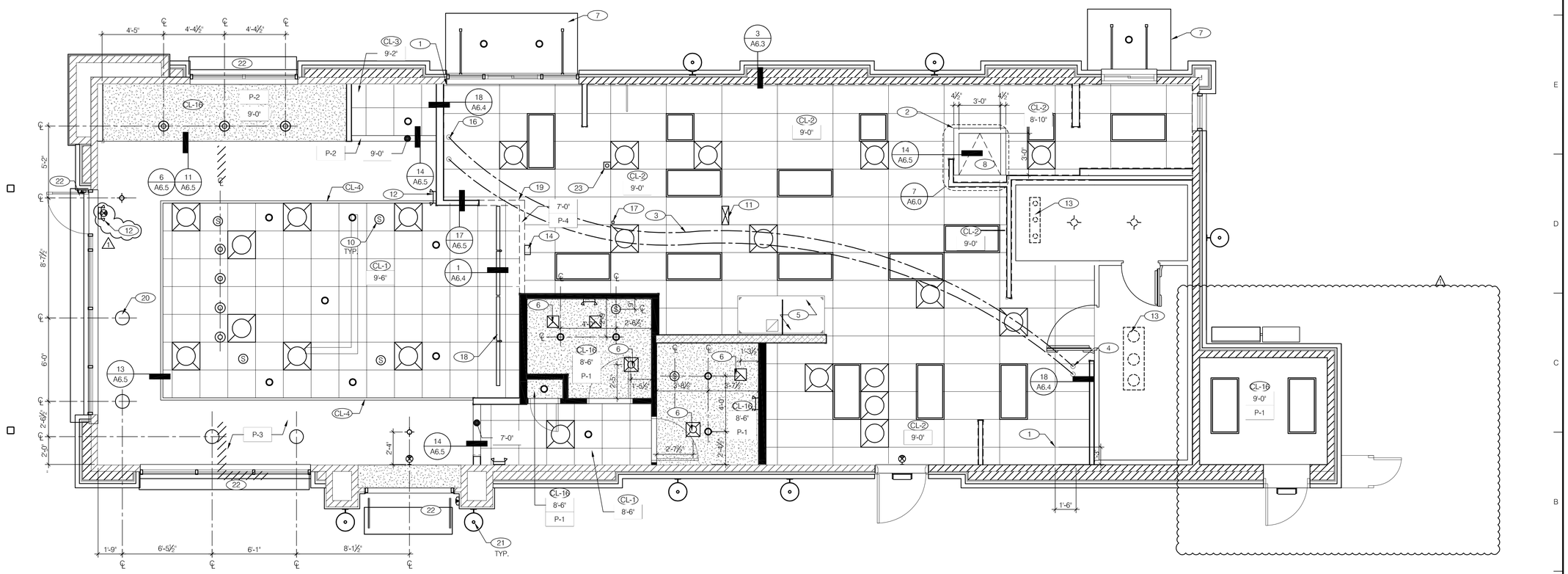
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

FLOOR FINISH PLAN

A7.0



REFLECTED CEILING PLAN 1/4"=1'-0" **A**

NOT USED 1/4"=1'-0" **E**

- 2'-0" x 4'-0" LED LIGHT FIXTURE
- MINI ROUND PENDANT AT OPEN TRUSS
- GALVANIZED PENDANT FIXTURE
- GLASS PENDANT FIXTURE - ABOVE HUB TABLE
- DOWNLIGHT
- EXIT LIGHT (WALL MOUNTED)
- EXIT LIGHT (CEILING MOUNTED)
- EXTERIOR WALL FIXTURE
- SPEAKER
- HVAC RETURN GRILLE
- HVAC SUPPLY DIFFUSER
- EXTERIOR WALL PACK FIXTURE
- OCCUPANCY SENSOR, CEILING MOUNTED
- 12" EXHAUST FAN
- EMERGENCY LIGHT
- COOLER LIGHT FIXTURE

CEILING SYMBOL LEGEND **D**

DIMENSIONS:
A. ALL DIMENSIONS ARE TO FACE OF FINISH U.O.N.

CEILING FINISHES:
A. REFER TO ROOM FINISH SCHEDULE (SHT A7.2) FOR CLG. FINISHES.

SUSPENDED CEILING:
A. ACOUSTICAL PANEL INSTALLATION: INSTALL ACOUSTICAL PANELS WITH EDGES IN CLOSE CONTACT WITH METAL SUPPORTS AND IN TRUE ALIGNMENT.
B. ALLOWABLE VARIATIONS FROM FLAT AND LEVEL SURFACE: 1/8" IN 10'-0" MAX.
C. ALLOWABLE VARIATIONS FROM PLUMB OF GRID MEMBERS: AS CAUSED BY ECCENTRIC LOADS, 2° MAX.
D. INSTALL SYSTEM AFTER MAJOR ABOVE CLG. WORK IS COMPLETE. COORD LOCATIONS OF HANGERS WITH RELATED WORK.
E. SEE SPECS FOR ADDITIONAL INFORMATION.

GYPSUM BOARD CEILING:
A. SUBSTRATE SHALL BE 1/2" THICK GYP BD.
B. ACOUSTICAL SEALANT: APPLY TO GYP. BD. PANELS AS INDICATED IN SPECS. GYP. BD. FINISHING AND DECORATING: REFER TO DWGS FOR TEXTURE AND FINISHES.

ELECTRICAL:
A. SEE ELECT. DWGS. FOR FIXTURE SCHED.

REFLECTED CEILING PLAN NOTES **C**

1. CEILING GRID STARTING POINT.
2. BULKHEAD @ 8'-0" A.F.F.
3. NON-INSULATED BUNDLED SYRUP LINES FOR DRINK SYSTEM. SEE SCOPE OF WORK. SEE SCOPE OF WORK.
4. 6" DIA PVC STUB THROUGH CEILING, SEE DETAIL 10/A6.4.
5. HOOD.
6. FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHED. (TYP. AT RESTROOMS).
7. DRIVE THRU CANOPY.
8. ROOF HATCH. SEE 7/A6.0.
9. NOT USED
10. SPEAKER - CENTER ON CEILING TILE
11. UTILITY CHASE BY 3RD PARTY VENDOR TO CEILING.
12. EMERGENCY LIGHT FIXTURE. SEE ELECT. DWGS.
13. FAN COIL FOR WALK-IN.
14. ALERT LIGHT BOX FOR 3-COMP POWER SOAK MOUNTED AT C.L. OF BOX 7-11" AFF
15. NOT USED
16. STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 19/A6.4.
17. WATER INLET CHASE FOR CHEESE MELTER SCREWED TO HEATED AIR SCREEN.
18. MENU BOARD. SEE SCOPE OF WORK.
19. NOT USED.
20. PENDANT LIGHT FIXTURE AT EXPOSED STRUCTURE CONDITIONS. PENDANT LIGHT TO BE MOUNTED TO UNISTRUT SPANNING BETWEEN AND SECURED TO TRUSSES ABOVE. UNISTRUT PAINTED TO MATCH TRUSSES. SEE ELECT.
21. EXTERIOR WALL LIGHT FIXTURES, SEE ELEVATIONS AND ELECT. DWGS.
22. CANOPY / AWNING; REF ELEVATIONS. COORD. WITH VENDOR.
23. SECURITY STROBE LIGHT, REFER TO ELECTRICAL DRAWINGS.

KEY NOTES **B**

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REGISTERED ARCHITECT CERTIFICATE NO. 74032 DANIEL WILSON 5.6.22 EXPIRES 6/30/23 ARIZONA, U.S.A.

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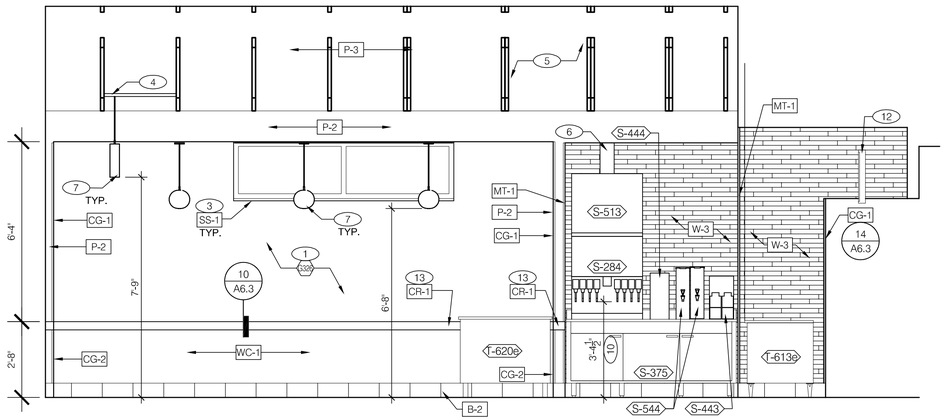
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

REFLECTED CEILING PLAN

A7.1



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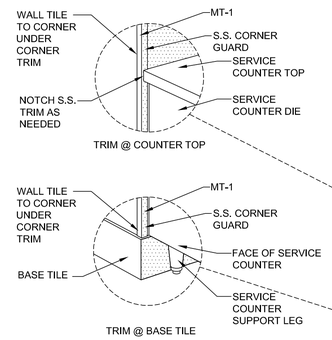

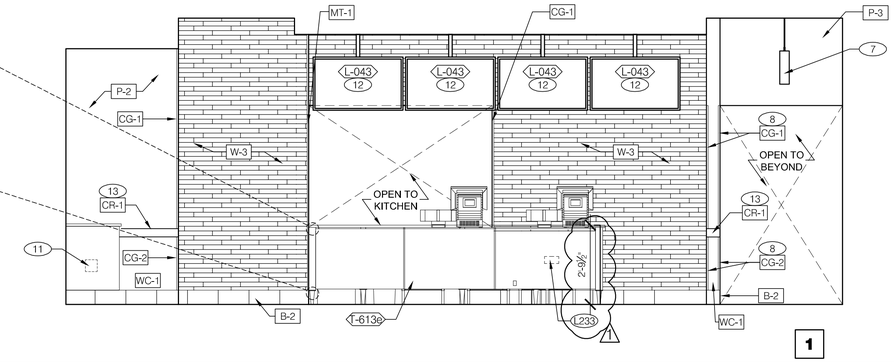

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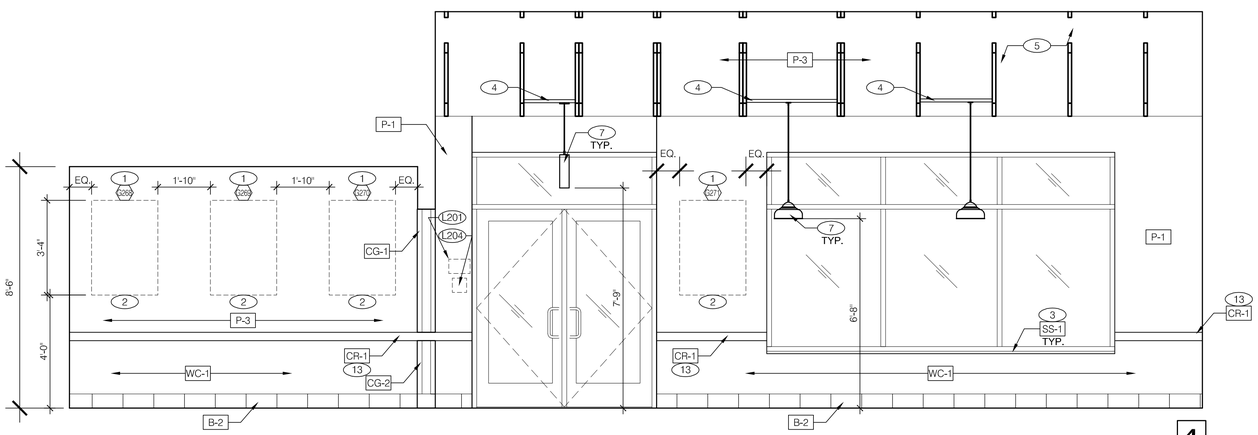
DINING 3/8" = 1'-0"



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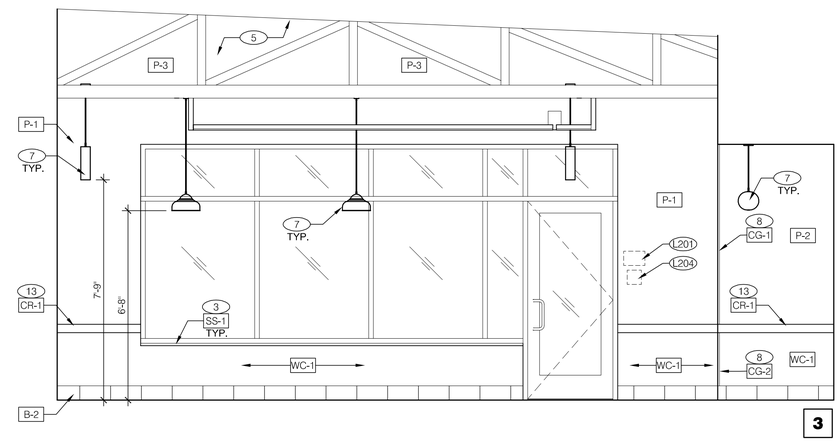

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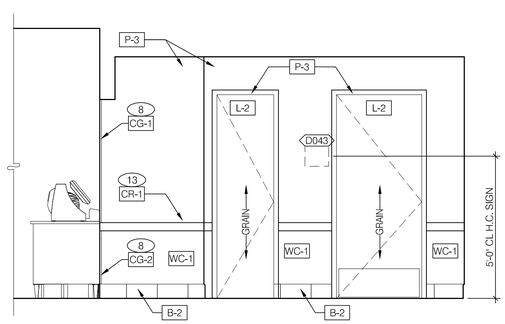
DINING 3/8" = 1'-0"



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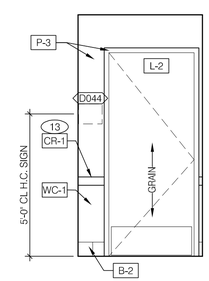

5

PASSAGE 3/8" = 1'-0"

1. FOR ARTWORK DESCRIPTION, REFER TO ARTWORK SCHEDULE ON SHEET A2.0.
2. 28"X40" ART PANELS.
3. WINDOW SILL.
4. UNISTRUT. PAINTED TO MATCH TRUSSES.
5. EXPOSED STRUCTURE; PAINT
6. 6" X 6" 18 GAUGE STAINLESS STEEL CHASE.
7. DROP PENDANT LIGHT FIXTURE. SEE SHEETS A7.1 & E4.0.
8. SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT.
9. TOP OF POS/CUSTOMER COUNTER SHALL BE NO HIGHER THAN 36" (1)
10. BOTTOM OF BEVERAGE AND ICE DISPENSING LEVERS SHALL BE NO HIGHER THAN 42" A.F.F.
11. OPENING FOR SYRUP TUBES. SEE 11/A6.4 AND SHEET A1.0
12. DIGITAL MENUBOARDS
13. CHAIR RAIL. SEE DETAIL 10/A6.3

KEY NOTES A

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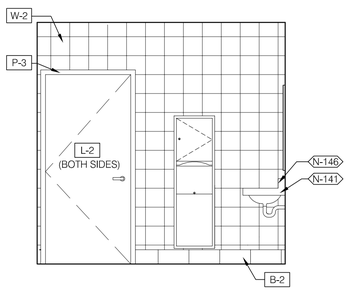
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

INTERIOR ELEVATIONS DINING ROOM

A8.0



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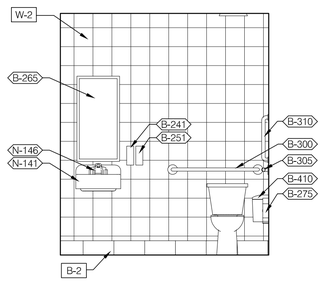

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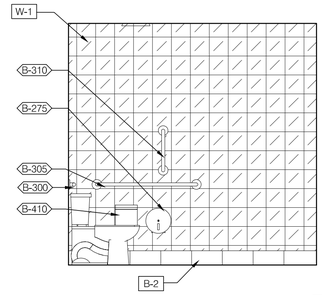
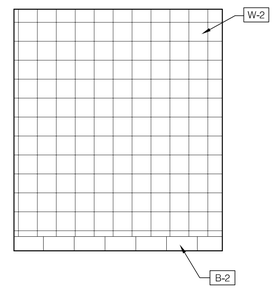


1

WOMEN'S RESTROOM 3/8" = 1'-0"



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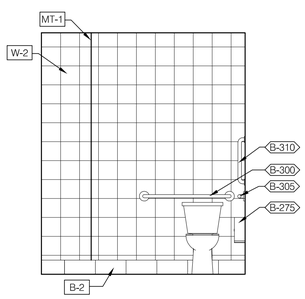
WOMEN'S RESTROOM 3/8" = 1'-0"



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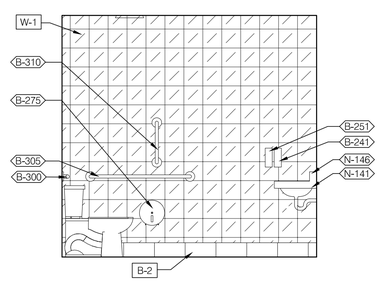

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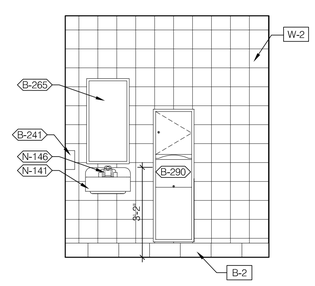
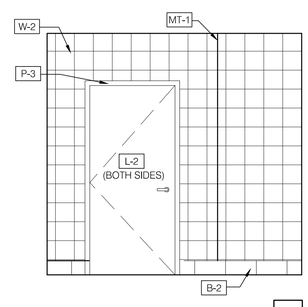


5

MEN'S RESTROOM 3/8" = 1'-0"

TYPE	DESCRIPTION	MANUFACTURER	COMMENTS
D043	SIGN-TACO BELL RESTROOM MEN WITH BRAILLE 10" X 8.5"		REFER TO TACOBELLPLANS.COM/LIBRARY/SIGNS FOR ADDITIONAL RESTROOM SIGN OPTIONS
D044	SIGN-TACO BELL RESTROOM WOMEN WITH BRAILLE 10" X 8.5"		REFER TO TACOBELLPLANS.COM/LIBRARY/SIGNS FOR ADDITIONAL RESTROOM SIGN OPTIONS

RESTROOM SIGNAGE



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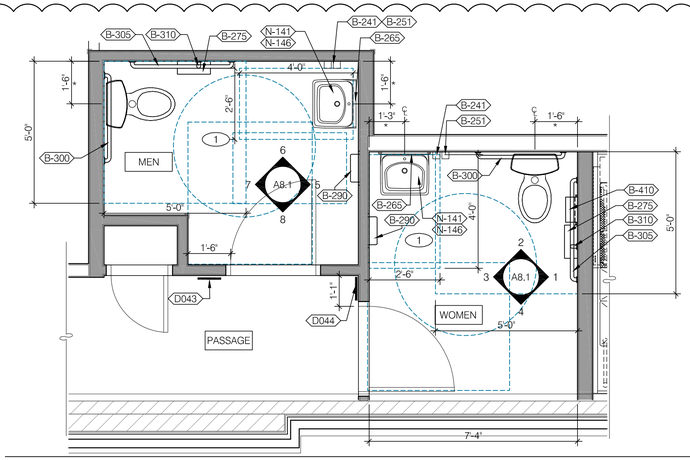
MEN'S RESTROOM 3/8" = 1'-0"



A. PROVIDE PROPER 2x BLOCKING AT WALL RECESSED MOUNTED ACCESSORIES.

B. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS. REFER TO SHEET ADA1.0.

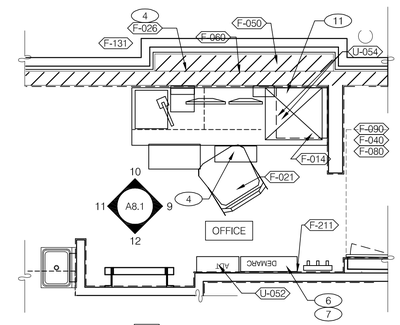
C. REFER TO FLOOR PLAN NOTES FOR BLOCKING AND SUBSTRATE NOTES.

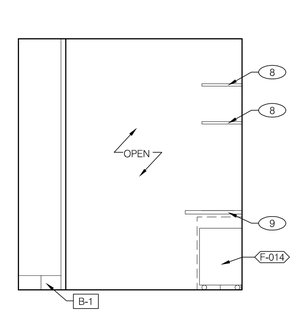
D. REFER TO SHEET ADA1.0 FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESSORIES AND FIXTURES.

E. ALL DIMENSIONS THIS DRAWING ARE TO FINISH SURFACE.

* ABSOLUTE DIMENSION

ENLARGED RESTROOM / GENERAL NOTES / KEY NOTES 3/8" = 1'-0" **A**





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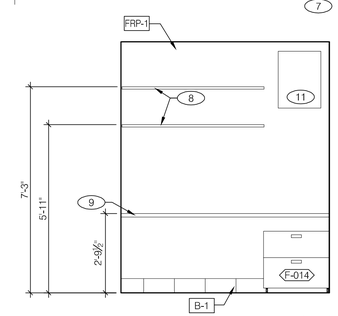

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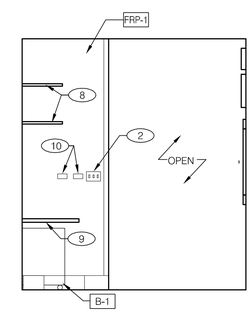

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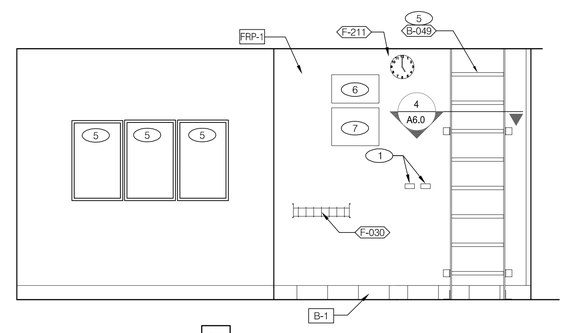

12

1. THERMOSTATS
2. LIGHTING CONTROL RELAY SWITCHES. SEE DETAIL 3/E3.1
3. DESK LAMP
4. UNDER COUNTER KEYBOARD TRAY.
5. ROOF LADDER
6. FAN & LIGHT CONTROL BOX; REF SHEET ELECTRICAL
7. EXTERIOR LIGHTING CONTROL PANEL (GREEN GATE).
8. SHELF BY G.C.- FINISH WITH PLASTIC LAMINATE L-1.
9. COUNTER BY G.C. - FINISH WITH PLASTIC LAMINATE L-1.
10. DUCT SMOKE DETECTOR RESET SWITCH.
11. TECH-IN-A-BOX (WALL MOUNT RACK ENCLOSURE CABINETS); REFER TO ELECTRICAL . G.C. TO PROVIDE BLOCKING WHERE REQUIRED.
12. COORDINATE OFFICE EQUIPMENT LOCATIONS WITH OPERATOR.
13. PROVIDE POWER FOR F-050
14. ELECTRICAL PANELS

OFFICE PLAN & ELEVATIONS / KEY NOTES 3/8" = 1'-0" **B**

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TACO BELL

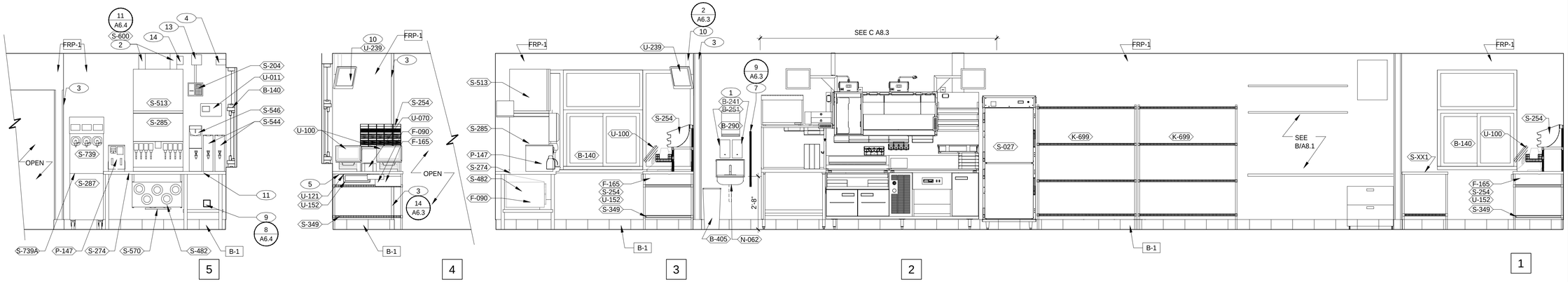
VILLAGE OF PRASADA
SURPRISE, AZ

TACO BELL

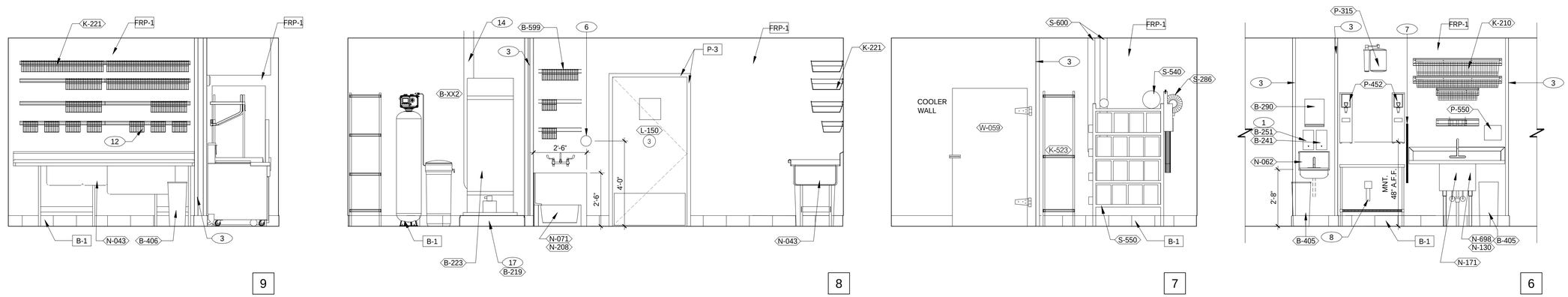
ENDEAVOR 2.0

INTERIOR ELEV. ENLARGED RESTROOMS & OFFICE PLAN

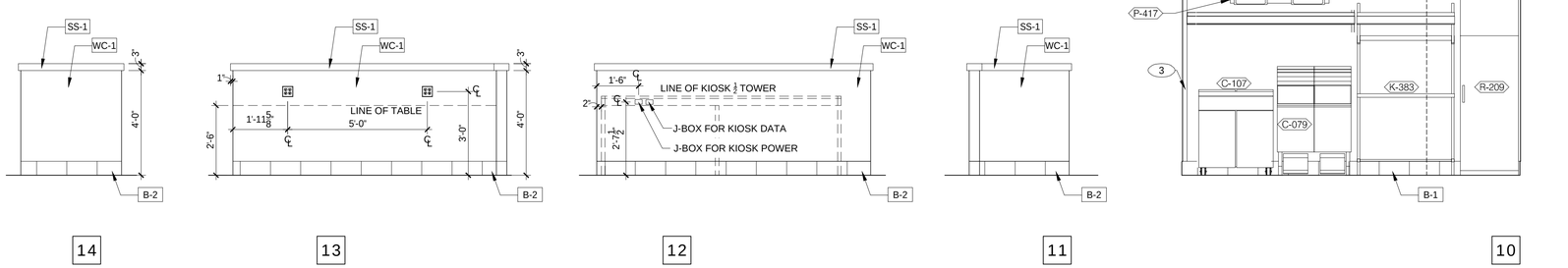
A8.1



DRIVE-THRU 3/8" = 1'-0" | DRIVE-THRU 3/8" = 1'-0" | I-LINE 3/8" = 1'-0" | PRE-PAY WINDOW 3/8" = 1'-0"



WARE WASHING 3/8" = 1'-0" | UTILITY 3/8" = 1'-0" | UTILITY 3/8" = 1'-0" | PREP AREA 3/8" = 1'-0"



DINING PANEL ELEVATION 3/8" = 1'-0" | COOK LINE 3/8" = 1'-0"

1. AUTOMATIC HAND SOAP AND SANITIZER DISPENSERS, BY ECO LAB. (B-241) (B-251)
2. STAINLESS STEEL CHASE FOR SYRUP LINES & ICE MACHINE REFRIGERANT LINES. SEE DETAIL 11/A6.4
3. SS CORNER/END WALL CHANNEL GUARD, FULL HEIGHT
4. DRIVE THRU TIMER DISPLAY UNIT.
5. HOLD-UP BUTTON
6. ANSUL PULL STATION.
7. STAINLESS STEEL SPLASH GUARD.
8. FILTER FOR HOT WATER SYSTEM
9. OPENING FINISHED WITH FRP FOR SYRUP TUBES. SEE DETAIL 11/A6.4.
10. CEILING MOUNT MONITOR BRACKET.
11. ADJACENT TABLE TOPS TO BE INSTALLED AT SAME LEVEL. ADJUST IN THE FIELD AS REQUIRED.
12. CUT WALL-HANGING TRACK TO ALLOW SPACE FOR CLICK & CLEAN SYSTEM.
13. DT TIMER SIGNAL PROCESSOR.
14. DT TIMER ETHERNET SWITCH.
15. WATER HEATER
16. NOT USED
17. EDGE OF SS PANEL BEHIND HOOD.
18. 20 GA. STAINLESS STEEL PANEL BEHIND HOOD.

KEY NOTES | A

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REGISTERED ARCHITECT
CERTIFICATE NO.
70032
DANIEL WILSON
2-15-22
EXPIRES
ARIZONA, U.S.A.

13048R21005

CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

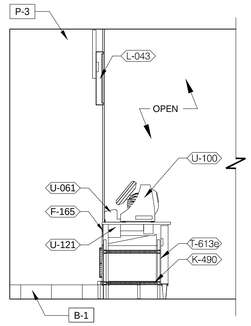
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

INTERIOR ELEVATIONS KITCHEN

A8.2



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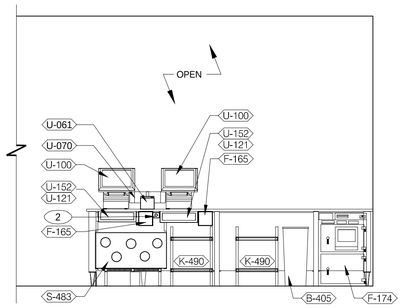

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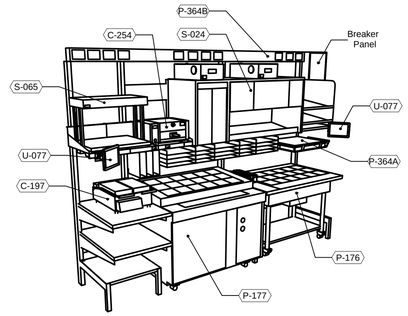

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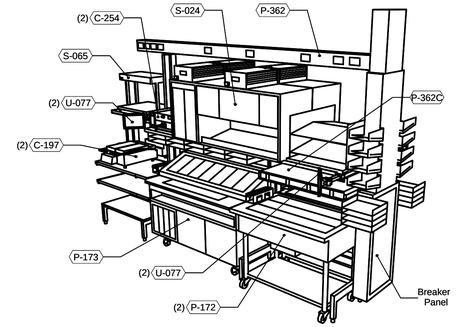

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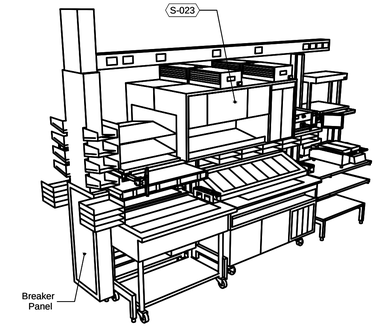
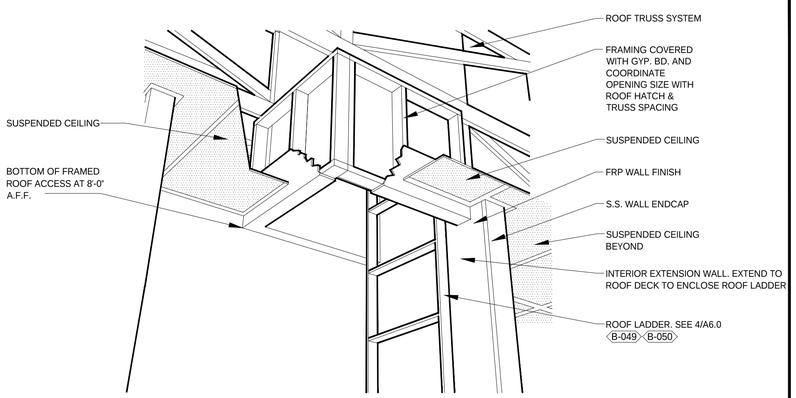


1

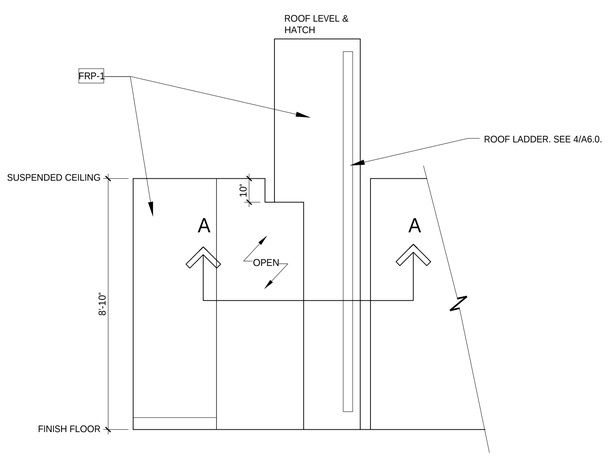
SERVING 3/8" = 1'-0"

P-362A I-FLEX LINE

P-362B FLEX DUAL-LINE NTS



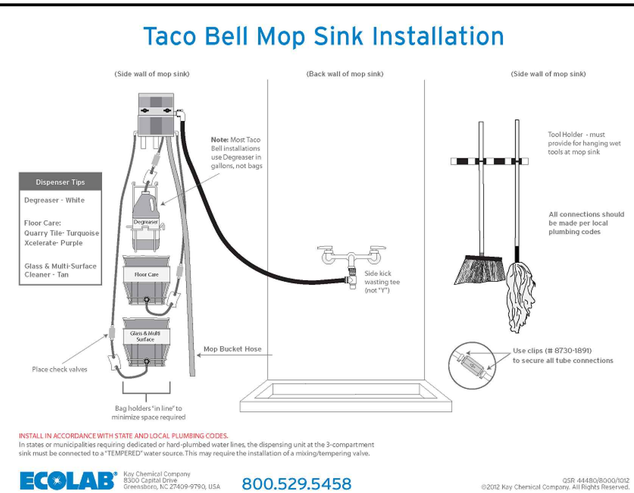
A - ROOF LADDER VIEW



7

ROOF ACCESS PASSAGEWAY N.T.S. B

NOT USED



MOP SINK INSTALLATION C

1. FAN MOTOR STARTERS, SURFACE MOUNTED. TYP. OF 2.
2. HOLD-UP BUTTON
3. UTILITY CHASE.
4. TEMPERATURE SENSOR - SEE MECHANICAL DRAWINGS.
5. SS CORNER GUARDS

KEY NOTES A

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REGISTERED ARCHITECT
CERTIFICATE NO.
71032
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TACO BELL

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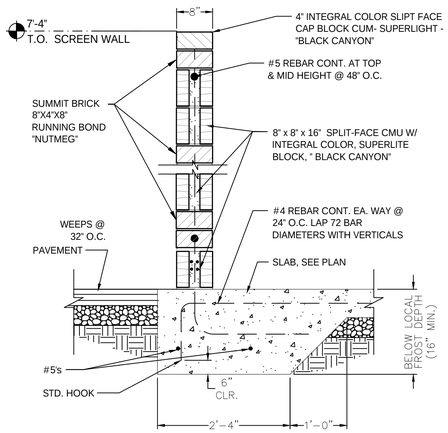
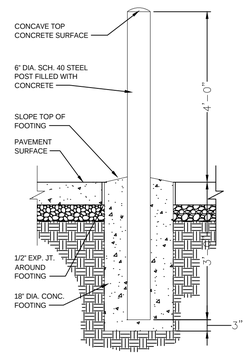
INTERIOR ELEVATIONS KITCHEN

A8.3



1 SECTION @ WALL ENCLOSURE WALL
No Scale



1 GUARDPOST BOLLARD DETAIL

2 BOLLARD DETAILS
No Scale

GATE HARDWARE: ALL HARDWARE AND ACCESSORIES SHALL BE HEAVY GALVANIZED.

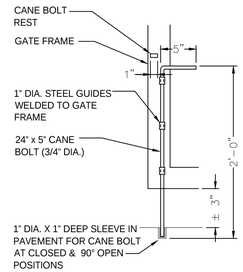
GATE STOP: MUSHROOM TYPE OR FLUSH PLATE WITH ANCHORS SET IN CONCRETE TO ENGAGE THE CENTER DROP ROD OR PLUNGER BAR.

GATE NOTES: (4) EQUAL WIDE X 7'-2" HIGH MTL. GATES, TYPE 'B' 1 1/2" DECKING, 22GA. W/ T.S. 1 X .1875 BAR CROSS BRACING WELD AND GRIND SMOOTH ALL CONNECTIONS, TYP. PRIME AND PAINT ALL STEEL COMPONENTS.

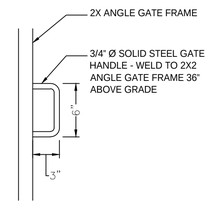
3 ENCLOSURE NOTES
No Scale

SYMBOL	AREA	MANUFACTURER	COLOR
1	GATE COLOR	DUNN EDWARDS	DE 6385 - "BLACK BEAN"
2	SPLIT FACE CMU	SUPERLITE	INTEGRAL "BLACK CANYON"
3	BRICK	SUMMIT BRICK	"NUTMEG"
4	PIPE BOLLARDS	SHERWIN WILLIAMS	DOT SAFETY YELLOW
5	SPLIT-FACE CMU CAP	SUPERLITE	INTEGRAL "BLACK CANYON"

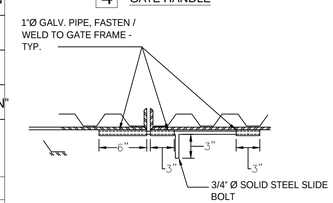
4 SCHEDULE
No Scale



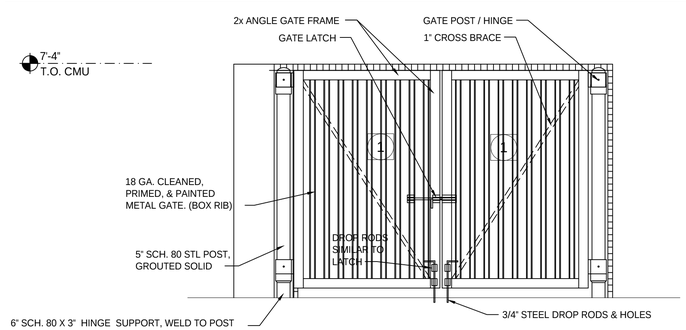
5 CANE BOLT (1 PER GATE)



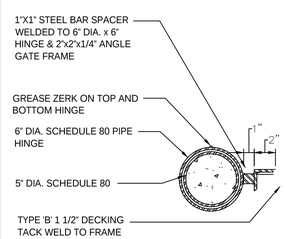
4 GATE HANDLE



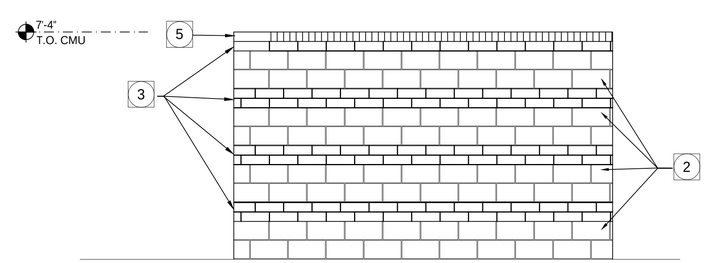
3 GATE LATCH



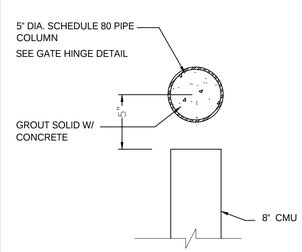
5 FRONT ELEVATION
No Scale



2 GATE HINGE DETAIL

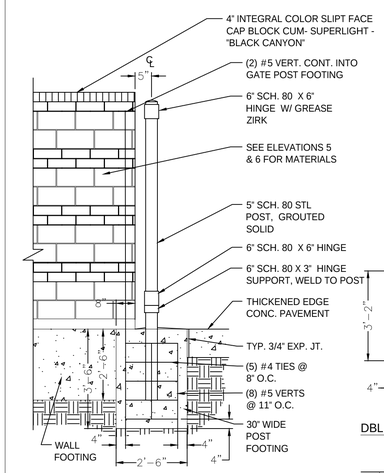


6 REAR ELEVATION
No Scale

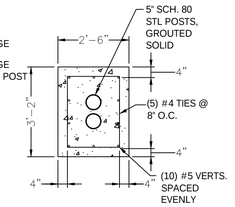


1 JAMB DETAIL

7 GATE DETAILS
No Scale

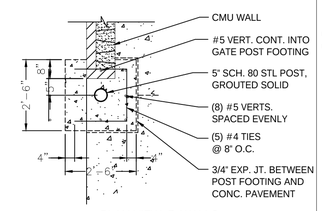


SECTION @ WALLS



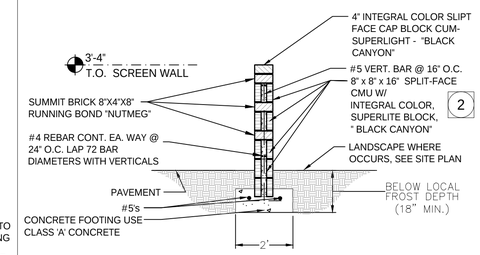
DBL. GATE POST FOOTING

INSTALL GATE POST, GATE POST FOOTING, AND WALL FOOTING PRIOR TO INSTALLING CMU BLOCK AND BRICK



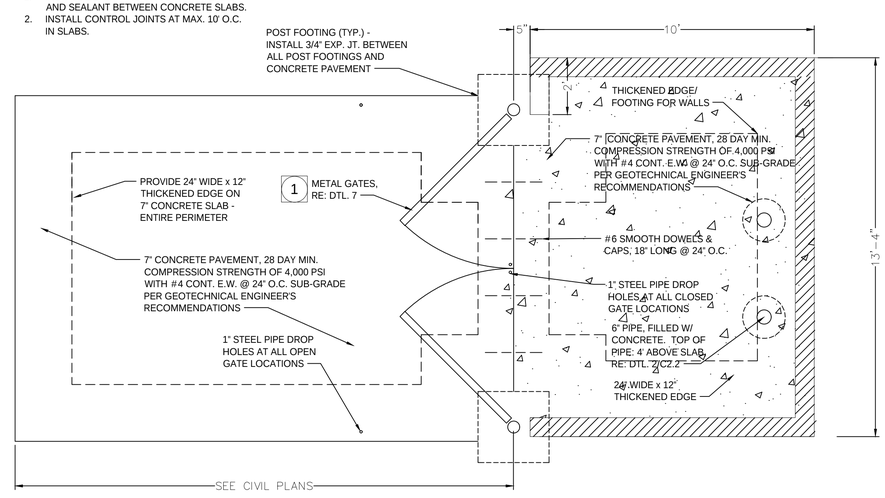
PLAN VIEW @ WALLS

8 GATE POST FOOTINGS
No Scale



10 SCREEN WALL
No Scale

CONCRETE NOTES:
1. INSTALL 1/2" EXPANSION JOINT MATERIAL AND SEALANT BETWEEN CONCRETE SLABS.
2. INSTALL CONTROL JOINTS AT MAX. 10' O.C. IN SLABS.



9 DUMPSTER LAYOUT PLAN
No Scale

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REGISTERED ARCHITECT CERTIFICATE NO. 14032 DANIEL WILSON 5.6.22 DATE EXPIRES ARIZONA, U.S.A.

13048R21005

1 4.19.22 RTC

CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

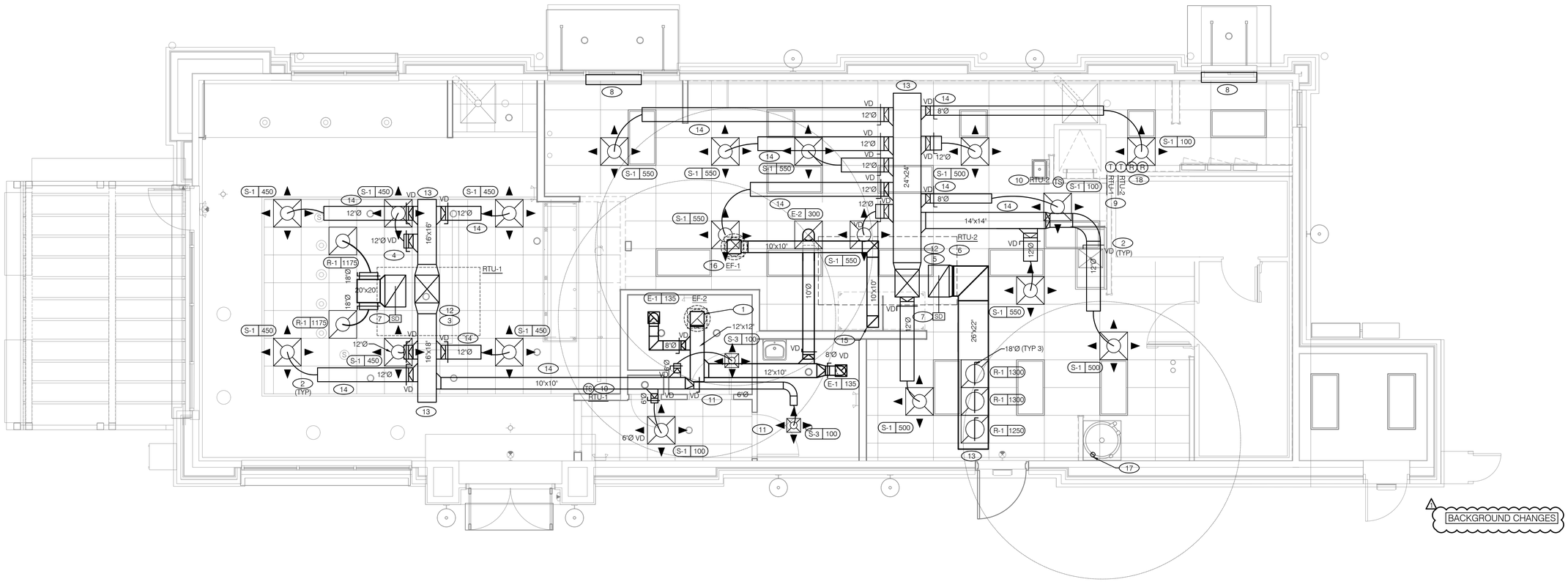
TACO BELL

ENDEAVOR 2.0

4

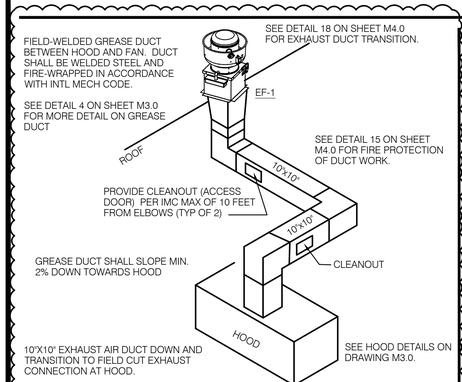
DUMPSTER ENCLOSURE DETAILS

A9.0



COVER ALL HVAC DUCT SYSTEMS OPENINGS TO PROTECT FROM CONSTRUCTION DUST AND DEBRIS UNTIL CONSTRUCTION IS COMPLETE. IF THE HVAC SYSTEM IS OPERATED BEFORE CONSTRUCTION IS COMPLETE, PROVIDE MERV8 FILTERS AT ALL AIR INTAKES INSIDE BUILDING

DUCT AND DIFFUSER PLAN 1/4"=1'-0" A



GREASE DUCT ROUTING NTS F

1. DINING ROOM LIGHT FIXTURE LOCATIONS ARE CRITICAL. COORDINATE DUCTWORK LOCATIONS SO AS NOT TO CONFLICT WITH LIGHT FIXTURE LOCATIONS.
2. THERMOSTATS SHALL BE PROGRAMMABLE THERMOSTAT WITH SUBBASE. REMOTE TEMPERATURE SENSOR, AND REMOTE HUMIDITY SENSOR.
3. COORDINATE DUCTWORK LOCATIONS WITH LIGHTING AND STRUCTURAL.
4. PROVIDE A COPY OF A CERTIFIED INSPECTION. THIS REPORT NEEDS TO BE CONDUCTED BY A THIRD PARTY CERTIFIED TO CONDUCT AN AIR BALANCE AND IS APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD. THE REPORT SHALL DEMONSTRATE THAT THE MECHANICAL SYSTEM WILL MEET THE DESIGN CALCULATIONS AS INDICATED ON THE MECHANICAL PLANS.
5. THE INSTALLATION OF THE KITCHEN HOOD & DUCT SYSTEMS REQUIRES SPECIAL INSPECTIONS.

GENERAL NOTES E

1. 12"x12" EXHAUST AIR DUCT UP THROUGH ROOF TO EF-2.
2. SEE DETAIL 8 ON DRAWING M4.0 FOR SUPPLY AIR TAKE-OFF TO CEILING DIFFUSERS. RETURN OR EXHAUST AIR TAKE-OFFS SHALL BE SIMILAR.
3. 27"X24" SUPPLY AIR DUCT UP. CONNECT TO SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-1.
4. 20"X28" RETURN AIR DUCT UP. CONNECT TO RETURN AIR PLENUM AT ROOFTOP UNIT RTU-1.
5. 27"X24" SUPPLY AIR DUCT UP. CONNECT TO SUPPLY AIR PLENUM AT ROOFTOP UNIT RTU-2.
6. 20X28" RETURN AIR DUCT UP. CONNECT TO RETURN AIR PLENUM AT ROOFTOP UNIT RTU-2.
7. ROOFTOP UNIT PROVIDED SMOKE DETECTOR MOUNTED IN ROOFTOP UNIT.
8. CONTRACTOR TO PROVIDE AND INSTALL AIR CURTAIN IN LOCATION AS SHOWN ON PLAN. MOUNT AIR CURTAIN ON MULLION DIRECTLY ABOVE SERVICE OPENING DOORS AT DRIVE-THRU WINDOW. PROVIDE BERNER MODEL DTU03-2026A AT 120/1/60. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR MORE DETAILS.
9. LOCATE THERMOSTAT CONTROLS ON WALL IN OFFICE AT 48" A.F.F. COORD LOCATION WITH LIGHT SWITCHES. ACCESSORIES. RUN 24 VAC POWER AND SIGNAL CONDUCTORS IN TWO (2) SEPARATE TWO (2) CONDUCTOR CABLES, 18 AWG.
10. MOUNT THERMOSTAT REMOTE SENSOR AT 60" ABOVE THE FINISHED FLOOR PER MANUFACTURER INSTALLATION INSTRUCTIONS. VERIFY THAT THE TEMPERATURE SENSOR IN THE DINING AREA IS NOT LOCATED ON A TILE WALL.
11. UNDERCUT RESTROOM AND OFFICE DOORS MIN. 3/4" FOR MAKE-UP AIR.
12. PROVIDE SPLITTER DAMPER AND 90 DEGREE ELBOW WITH TURNING VANES.
13. RUN DUCTWORK BETWEEN TRUSSES AS HIGH AS POSSIBLE UNDER ROOF JOISTS.
14. RUN DUCT THROUGH OPEN WEBBING OF ROOF JOISTS (WHERE POSSIBLE). COORDINATE WITH TRUSS DESIGN PRIOR TO DUCTWORK FABRICATION.
15. 10"X10" EXHAUST AIR DUCT DOWN AND TRANSITION TO FIELD CUT EXHAUST CONNECTION AT HOOD.
16. EXHAUST DUCT SHALL RUN BETWEEN ROOF JOISTS TO CONNECT TO ROOF EXHAUST FAN EF-1. SEE HOOD DETAILS ON DRAWING M3.0. SEE DETAIL 15 ON SHEET M4.0 FOR FIRE PROTECTION OF DUCT WORK. SEE DETAIL 18 ON SHEET M4.0 FOR EXHAUST DUCT TRANSITION.
17. FURNISH AND INSTALL 3" PVC WATER HEATER INTAKE AND FLUE VENT TERMINATION ON ROOF. COORDINATE WORK WITH ALL TRADES.
18. NEW SMOKE DETECTOR RESET SWITCH WITH KEY. MFR. IS "SYSTEM SENSOR" MODEL # RTS151 KEY. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MFR. SPECIFICATIONS.

KEY NOTES B

GLMV Architecture
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877.4.DEVITA • contact@devitainc.com
DeVita Project No. 21000.21000.21000-08
Drawn By: JTP Checked By: CJC

Registered Professional Engineer (Mechanical)
CERTIFICATE NO. 55238
KEITH F. MATTISON
ARIZONA
Date Signed 5/13/22

13048R21005

1	RTC	04/19/2022
2		
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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
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TACO BELL

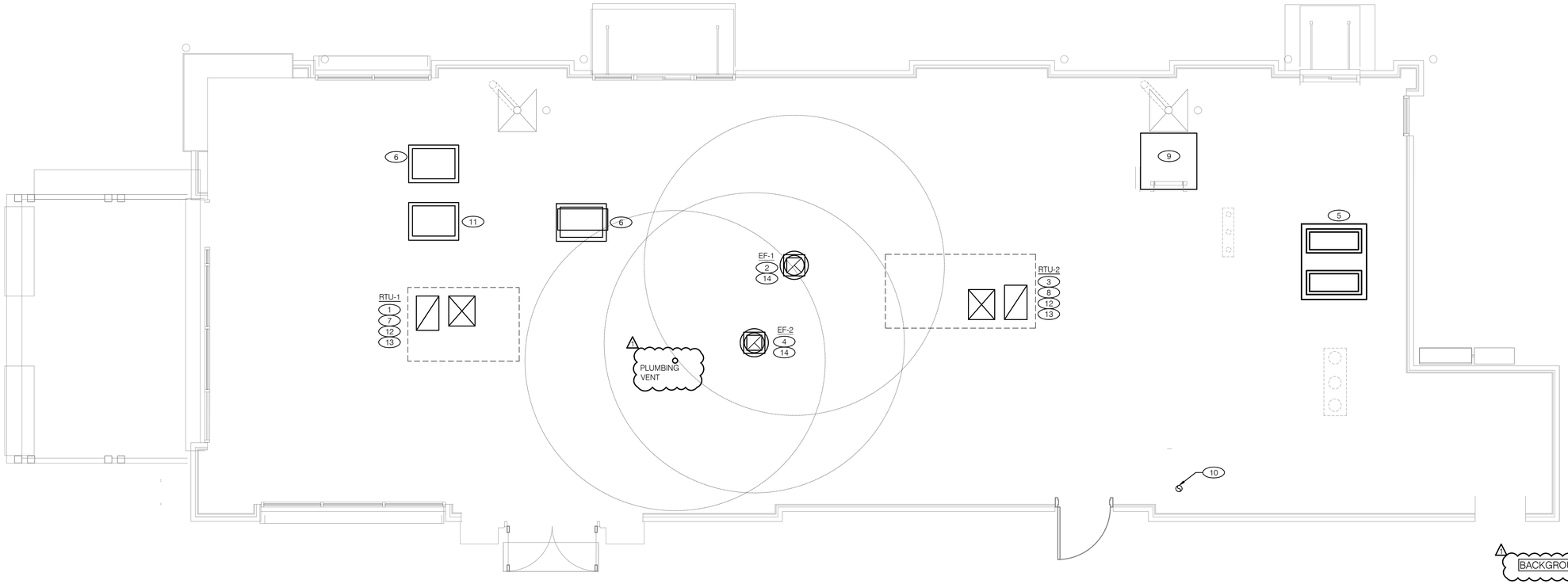
VILLAGE OF PRASADA
SURPRISE, AZ

TACO BELL

ENDEAVOR 2.0

DUCT AND DIFFUSER FLOOR PLAN

M2.0



BACKGROUND CHANGES

COVER ALL HVAC DUCT SYSTEMS OPENINGS TO PROTECT FROM CONSTRUCTION DUST AND DEBRIS UNTIL CONSTRUCTION IS COMPLETE. IF THE HVAC SYSTEM IS OPERATED BEFORE CONSTRUCTION IS COMPLETE, PROVIDE MERV8 FILTERS AT ALL AIR INTAKES INSIDE BUILDING

MECHANICAL ROOF PLAN 1/4"=1'-0" | **A**

1. CONTRACTOR TO PROVIDE AND INSTALL RTU-1 IN LOCATION AS SHOWN ON PLANS. COORDINATE EXACT RTU LOCATION AND DUCT DROPS WITH STRUCTURAL TRUSS LAYOUT. MAINTAIN A MINIMUM 10'-0" CLEARANCE TO ANY EXHAUST TERMINATIONS.
2. CONTRACTOR TO PROVIDE AND INSTALL TYPE I EXHAUST FAN (EF-1) IN LOCATION AS SHOWN ON PLANS. CONNECT 10"x10" EXHAUST DUCT FROM EXHAUST HOOD UP TO EF-1 ON ROOF. COORDINATION EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.
3. CONTRACTOR TO PROVIDE AND INSTALL RTU-2 IN LOCATION AS SHOWN ON PLANS. COORDINATE EXACT RTU LOCATION AND DUCT DROPS WITH STRUCTURAL TRUSS LAYOUT. MAINTAIN A MINIMUM 10'-0" CLEARANCE TO ANY EXHAUST TERMINATIONS.
4. CONTRACTOR TO PROVIDE AND INSTALL EXHAUST FAN (EF-2) IN LOCATION AS SHOWN PLANS. CONNECT 12"x12" EXHAUST DUCT FROM RESTROOM EXHAUST GRILLES TO EF-2 ON ROOF. COORDINATE EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.
5. CONDENSING UNIT SERVING WALK-IN COOLER/FREEZER. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
6. CONDENSING UNIT SERVING ICE MAKER. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
7. 1-1/4" GAS PIPING UP THROUGH ROOF FROM BELOW. CONTRACTOR TO ROUTE GAS THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL BE LOCATED OUTSIDE OF THE UNIT. CONNECT TO RTU-1 AND PROVIDE WITH SHUT-OFF VALVE AND DIRT LEG.
8. 1-1/4" GAS PIPING UP THROUGH ROOF FROM BELOW. CONTRACTOR TO ROUTE GAS THROUGH THE BASE PIPE CONNECTION. SHUT-OFF VALVE SHALL BE LOCATED OUTSIDE OF THE UNIT. CONNECT TO RTU-2 AND PROVIDE WITH SHUT-OFF VALVE AND DIRT LEG.
9. ROOF HATCH. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
10. MANUFACTURER'S CONCENTRIC TERMINATION VENT KIT SERVING HOT WATER HEATER BELOW. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ENSURE AT LEAST A 10'-0" DISTANCE BETWEEN ANY OUTDOOR AIR INTAKES.
11. CONDENSING UNIT SERVING FROZEN BEVERAGE MACHINE. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS. ALL UTILITY PIPING FOR RTU'S SHALL RUN UP THROUGH ROOF INSIDE EACH UNIT'S ROOF CURB.
12. ALL UTILITY PIPING FOR RTU'S SHALL RUN UP THROUGH ROOF INSIDE EACH UNIT'S ROOF CURB.
13. ROUTE 1" CD DOWN THROUGH THE BASE PIPE CONNECTION. REFER TO P2.0 FOR CONTINUATION.
14. COORDINATE EXHAUST FAN LOCATION WITH ROOFTOP UNIT. MAINTAIN ROOFTOP UNIT MANUFACTURER'S REQUIRED CLEARANCE AND MINIMUM OF 10 FT TO ROOFTOP UNIT'S OUTSIDE AIR INTAKE.

KEY NOTES | **B**

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Registered Professional Engineer (Mechanical)
CERTIFICATE NO. 55238
KEITH F. MATTISON
Date Signed 5/3/22
ARIZONA

13048R21005

1	RTC	04/19/2022
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CONTRACT DATE:	12.01.2021
BUILDING TYPE:	END. MED40
PLAN VERSION:	XX.XX.XXXX
SITE NUMBER:	XXXXXX
STORE NUMBER:	

TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

MECHANICAL ROOF PLAN

M2.1

SANITARY SEWER LOAD CALC.

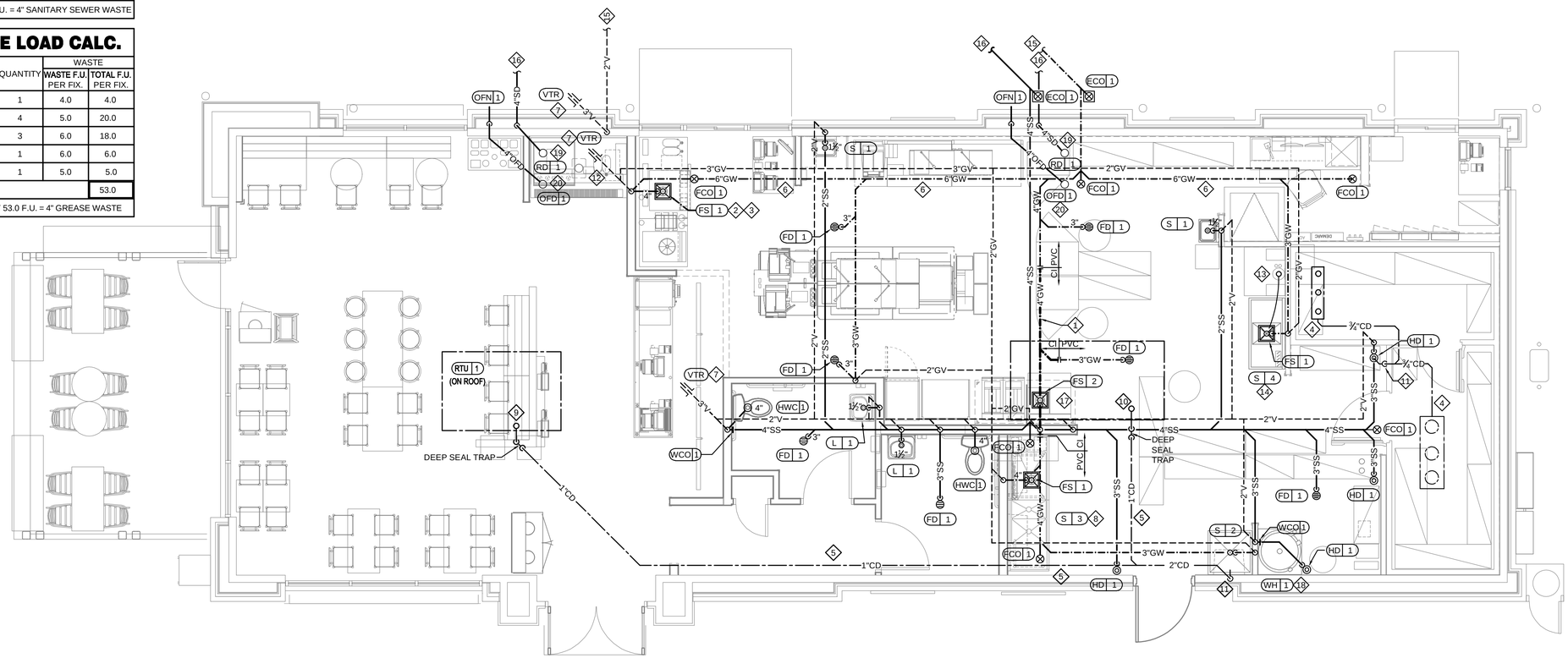
MARK	FIXTURE/EQUIPMENT	QUANTITY	WASTE	
			WASTE F.U. PER FIX.	TOTAL F.U. PER FIX.
FD-1	FLOOR DRAIN	3	2.0	6.0
HWC-1	ADA WATER CLOSET	2	4.0	8.0
L-1	LAVATORY	2	1.0	2.0
S-1	HAND SINK	2	2.0	4.0
HD-1	HUB DRAIN	4	2.0	8.0
TOTALS				28.0

MAX. WASTE DEMAND AT 28.0 F.U. = 4" SANITARY SEWER WASTE

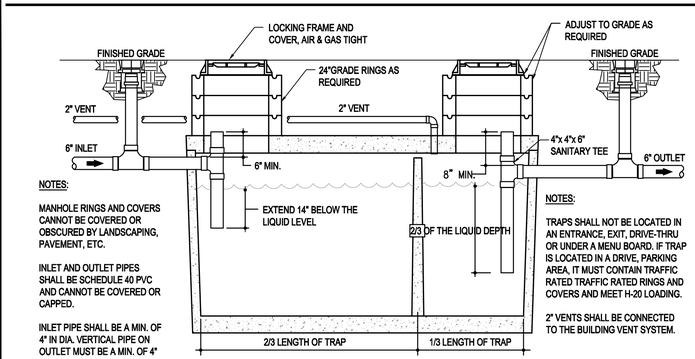
GREASE WASTE LOAD CALC.

MARK	FIXTURE/EQUIPMENT	QUANTITY	WASTE	
			WASTE F.U. PER FIX.	TOTAL F.U. PER FIX.
S-3	3-COMP SINK	1	4.0	4.0
FD-1	FLOOR DRAIN	4	5.0	20.0
FS-1	FLOOR SINK	3	6.0	18.0
FS-2	FLOOR SINK	1	6.0	6.0
S-2	MOP SINK	1	5.0	5.0
TOTALS				53.0

MAXIMUM WASTE DEMAND AT 53.0 F.U. = 4" GREASE WASTE



WASTE & VENT PLAN 1/4"=1'-0" A



NOTES:

MANHOLE RINGS AND COVERS CANNOT BE COVERED OR OBSCURED BY LANDSCAPING, PAVEMENT, ETC.

INLET AND OUTLET PIPES SHALL BE SCHEDULE 40 PVC AND CANNOT BE COVERED OR CAPPED.

INLET PIPE SHALL BE A MIN. OF 4" IN DIA. VERTICAL PIPE ON OUTLET MUST BE A MIN. OF 4" IN DIA.

NOTES:

TRAPS SHALL NOT BE LOCATED IN AN ENTRANCE, EXIT, DRIVE-THRU OR UNDER A MENU BOARD. IF TRAP IS LOCATED IN A DRIVE, PARKING AREA, IT MUST CONTAIN TRAFFIC RATED TRAFFIC RATED RINGS AND COVERS AND MEET H-20 LOADING.

2" VENTS SHALL BE CONNECTED TO THE BUILDING VENT SYSTEM.

DETAIL FOR REFERENCE ONLY. REFER TO AUTHORITY HAVING JURISDICTION FOR CORRECT TYPE OF INTERCEPTOR TO BE USED.

GREASE INTERCEPTOR DETAIL NO SCALE D

A. NOTIFY GENERAL CONTRACTOR OF PENETRATIONS THROUGH ROOF MEMBRANE. REFER TO ROOF PLAN FOR LOCATIONS.

B. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WASTE AND VENT SIZES.

C. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS.

D. VERIFY WITH THE LOCAL BUILDING AUTHORITY THAT CONDENSATE DRAINAGE CAN BE ROUTED TO THE MOP SINK.

WASTE & VENT PLAN NOTES C

1. UNDERGROUND GREASE WASTE PIPE SHALL BE HUB CAST IRON PIPE FOR THE FIRST 10 FEET FROM CONNECTION TO FLOOR SINK FS-2, OUTWARD.
2. PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO FLOOR SINK, PROVIDE AIR GAP PER LOCAL CODE. SEE 11/A6.0.
3. PROVIDE WASTE LINES FROM BEVERAGE UNIT TO FLOOR SINK, PROVIDE AIR GAP PER LOCAL CODE. SEE 11/A.60
4. PROVIDE 3/4" COPPER CONDENSATE FROM COOLER/FREEZER EVAPORATOR DRAIN PROVIDED BY VENDOR TO OUTFALL AT HUB DRAIN (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE). CONCEAL CONDENSATE PIPING IN WALL.
5. PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF, RUN ABOVE CEILING. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION.
6. ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTLET OF INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, UNLESS NOTED OTHERWISE.
7. 3" VENT UP THROUGH ROOF.
8. PIPE WASTE FROM 3-COMPARTMENT SINK TO FLOOR SINK. PROVIDE AIR GAP PER LOCAL CODE.
9. 1" CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 13 ON DRAWING P6.0.
10. 1" CONDENSATE DRAIN DOWN FROM RTU-2. SEE DETAIL 13 ON DRAWING P6.0.
11. 2" CONDENSATE DRAIN PIPE DOWN IN WALL TO MOP SINK/HUB DRAIN, IF REQUIRED ROUTE CONDENSATE PIPING TO EXTERIOR DRYWELL, RETENTION AREA OR STORM SEWER AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION.
12. RUN DRAIN LINE FROM S/S DRINK MACHINE THRU WALL OPENING. TO OUTFALL AT FLOOR SINK BENEATH D/T DRINK MACHINE.
13. ¾" DRAIN FOR REVERSE OSMOSIS.
14. PIPE WASTE FROM PREP SINK TO FLOOR SINK WITH AIR GAP PER CODE.
15. ROUTE TO GREASE INTERCEPTOR SEE CIVIL DRAWINGS FOR EXACT LOCATION.
16. REFER TO CIVIL DRAWINGS FOR CONT.
17. ALL PIPING INSTALLED BEHIND THE HOOD MUST BE COPPER OR CAST IRON PIPING AS REQUIRED BY LOCAL JURISDICTION.
18. ROUTE INDIRECT WASTE FROM WATER HEATER TO HD-1.
19. 4" UP TO ROOF DRAIN
20. 4" TO OVERFLOW DRAIN

KEY NOTES B

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Drawn By: MHA Checked By: KFM

Registered Professional Engineer (Mechanical) CERTIFICATE NO. 55288 KEITH F. HARTMAN Date Signed 2/14/22 ARIZONA, U.S.A.

13048R21005

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TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

PLUMBING WASTE FLOOR PLAN

P2.0

GAS DEMAND LOAD CALCULATIONS

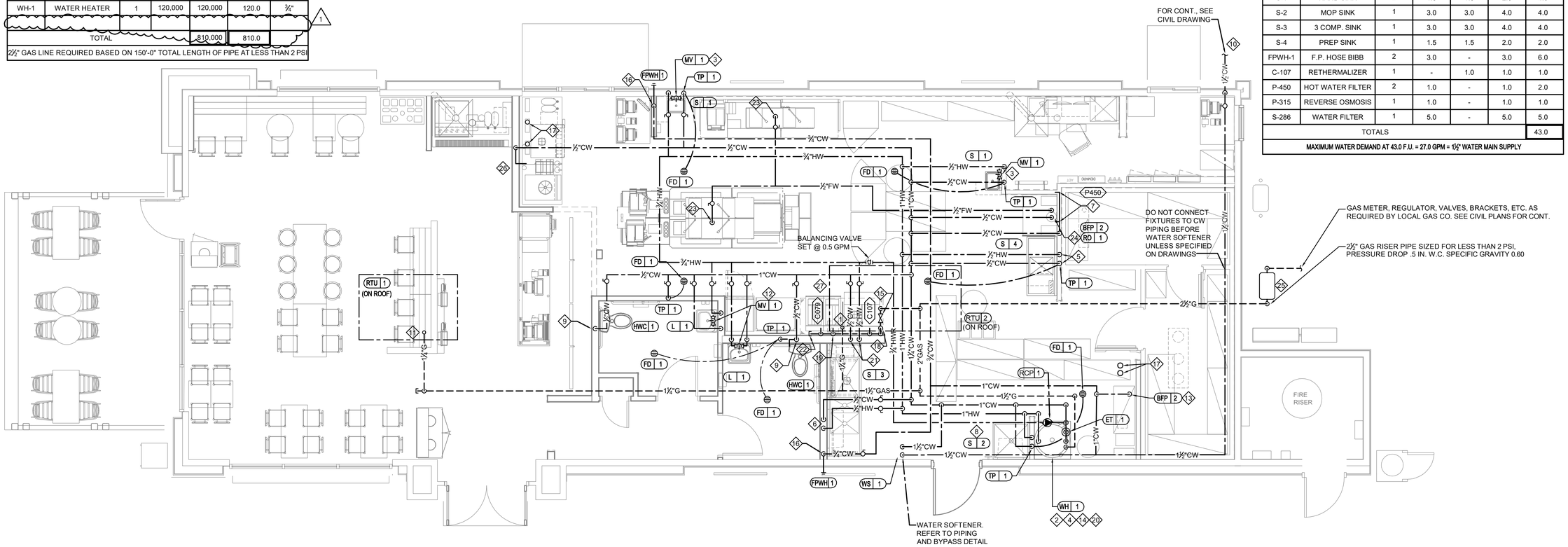
MARK	FIXTURE/EQUIPMENT	QTY.	UNIT DEMAND BTUH	TOTAL DEMAND BTUH	TOTAL CFH	CONNECTION PIPE SIZE
RTU-1	ROOFTOP UNIT 1	1	180,000	180,000	180.0	¾"
RTU-2	ROOFTOP UNIT 2	1	240,000	240,000	240.0	¾"
C-079	DUAL FRYER	1	160,000	160,000	160.0	¾"
C-107	RETHERMALIZER	1	110,000	110,000	110.0	¾"
WH-1	WATER HEATER	1	120,000	120,000	120.0	¾"
TOTAL				810,000	810.0	

2½" GAS LINE REQUIRED BASED ON 150'-0" TOTAL LENGTH OF PIPE AT LESS THAN 2 PSI

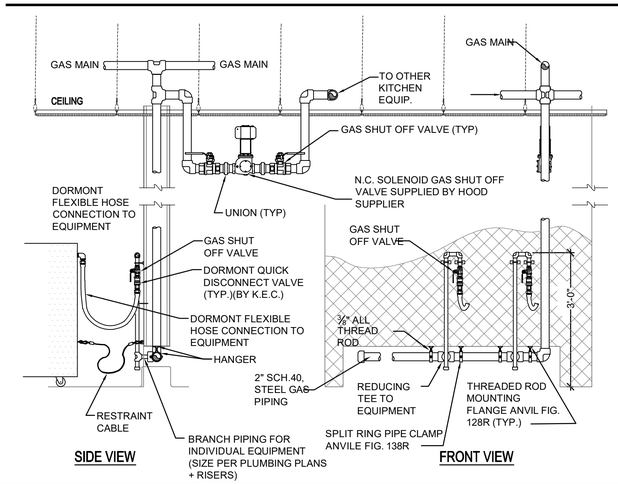
WATER FIXTURE LOAD CALCULATIONS

MARK	FIXTURE/EQUIPMENT	QUANTITY	WATER			
			CW F.U. PER FIXTURE	HW F.U. PER FIXTURE	TOTAL WSFU PER TYPE	TOTAL F.U. PER FIXTURE
HWC-1	WATER CLOSET	2	5.0	-	5.0	10.0
L-1	LAVATORY	2	1.5	1.5	2.0	4.0
S-1	HAND SINK	2	1.5	1.5	2.0	4.0
S-2	MOP SINK	1	3.0	3.0	4.0	4.0
S-3	3 COMP. SINK	1	3.0	3.0	4.0	4.0
S-4	PREP SINK	1	1.5	1.5	2.0	2.0
FPWH-1	F.P. HOSE BIBB	2	3.0	-	3.0	6.0
C-107	RETHERMALIZER	1	-	1.0	1.0	1.0
P-450	HOT WATER FILTER	2	1.0	-	1.0	2.0
P-315	REVERSE OSMOSIS	1	1.0	-	1.0	1.0
S-286	WATER FILTER	1	5.0	-	5.0	5.0
TOTALS						43.0

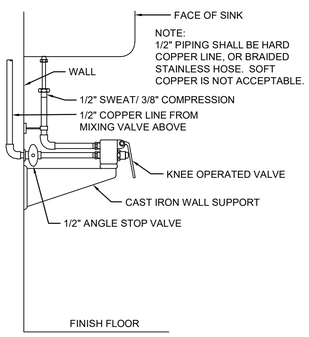
MAXIMUM WATER DEMAND AT 43.0 F.U. = 27.0 GPM = 1½" WATER MAIN SUPPLY



WATER & GAS PLAN 1/4"=1'-0" | A



GAS CONNECTION DETAIL N.T.S. | E



KNEE PEDAL DETAIL N.T.S. | D

A. WATER DISTRIBUTION PIPING IS SHOWN ABOVE FINISH CEILING. UNDER SLAB DISTRIBUTION ALLOWED AT CONTRACTOR OPTION. COORDINATE ALL DETAILS.

B. NO ROOF PENETRATIONS PERMITTED WITHIN THE ROOF "WATER VALLEYS", REFER TO ROOF PLAN FOR LOCATIONS.

C. REFER TO SHEET P4.0 FOR ROUGH-IN LOCATIONS.

D. REFER TO SHEET P5.0 FOR WATER AND GAS ISOMETRIC DRAWINGS.

E. FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.

F. PROVIDE REDUCED PRESSURE BACK FLOW TO SERVE CARBONATOR. DRAIN RELIEF TO FLOOR SINK WITH AIR GAP.

G. INSTALL A PRESSURE REDUCING VALVE ON EACH WATER SUPPLY LINE WHERE THE PRESSURE EXCEEDS 80 PSI.

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WATER & GAS PLAN NOTES | C

1. 1¼" GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK AND UNION.
2. 1½"GAS DOWN TO WATER HEATER WITH GAS COCK, DIRT LEG, UNION, AND PAINTED YELLOW.
3. 1/2" TEMPERED WATER TO HAND SINK.
4. 1" HOT AND 1" COLD WATER LINES DOWN TO WATER HEATER.
5. 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
6. 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO THREE COMPARTMENT SINK.
7. 1/2" COLD WATER 2'-0" A.F.F. CONNECT TO WATER FILTER FOR HOT WATER SYSTEM P-450. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO THE WATER FILTER.
8. 1/2" COLD AND HOT WATER DOWN IN THE WALL TO THE MOP SINK.
9. 1/2" COLD WATER DOWN IN WALL TO WATER CLOSET FLUSH TANK.
10. 1½" DOMESTIC WATER SERVICE. PROVIDE A SHUT OFF VALVE ON THE DISCHARGE SIDE OF THE WATER METER. REFER TO CIVIL DRAWINGS FOR METER AND BACKFLOW PREVENTER INFORMATION.
11. 1¼" GAS UP TO RTU-1 WITH DIRT LEG, GAS COCK, UNION.
12. 1/2" TEMPERED WATER LINE TO LAVATORY.
13. 3/4" COLD WATER DOWN ALONG WALL TO WATER FILTER S-286.
14. WATER HEATER (WH-1) PIPE CONDENSATE LINE AND T & P DISCHARGE TO HUB DRAIN. SEE WATER DETAIL 2/6.0.
15. EMERGENCY GAS SHUT-OFF VALVE LOCATED BELOW CEILING.
16. 1/2" COLD WATER DOWN IN WALL TO FROST PROOF HOSE BIBB.
17. (3) BUNDLED SYRUP LINES TO BEVERAGE DISPENSERS S-284 & S-285 AND FILTERED WATER LINES TO ICE MAKERS S-513 AND FROZEN BEVERAGE DISPENSER S-543. SEE DRAWINGS A2.0 AND P5.0.
18. 1-1/4" GAS DOWN ALONG WALL TO TACO BELL COOKING EQUIPMENT. VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.
19. 3/4" GAS DIRT LEG W/ GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.
20. 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER, PIPE THRU ROOF AS RECOMMENDED BY MANUFACTURER TO LOCATIONS SHOWN ON SHEET M2.0 SEE DETAIL 2/P6.0.
21. 1/2" HOT WATER AND COLD WATER DOWN IN WALL TO TB RETHERMALIZER. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO RETHERMALIZER.
22. RUN GAS PIPE 18" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING EQUIPMENT. HARD GAS LINE BEHIND COOKING EQUIPMENT SHALL NOT BE MORE THAN 6" MAX. FROM THE WALL SURFACE.
23. 1/4" FILTER WATER LINE DOWN IN UTILITY CHASE OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON FW PIPING IN CEILING NEAR CHASE.
24. 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-315 AND 1/2" FILTER WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON CW PIPE PRIOR TO CONNECTION TO FILTER. SEE DETAIL 9 / P6.0.
25. GAS METER REGULATOR VALVES, BRACKETS, ETC. AS REQUIRED BY LOCAL GAS CO. SEE CIVIL DRAWINGS FOR CONTINUATION.
26. 1/2" COLD WATER. CONNECT TO WATER FILTER FOR BUNN POD BREWER S-547. PROVIDE SHUT OFF VALVE PRIOR TO CONNECTION TO WATER FILTER.
27. ALL PIPING LOCATED BEHIND HOOD MUST BE COPPER OR CAST IRON PIPING AS REQUIRED BY LOCAL JURISDICTION.

1

KEY NOTES | B

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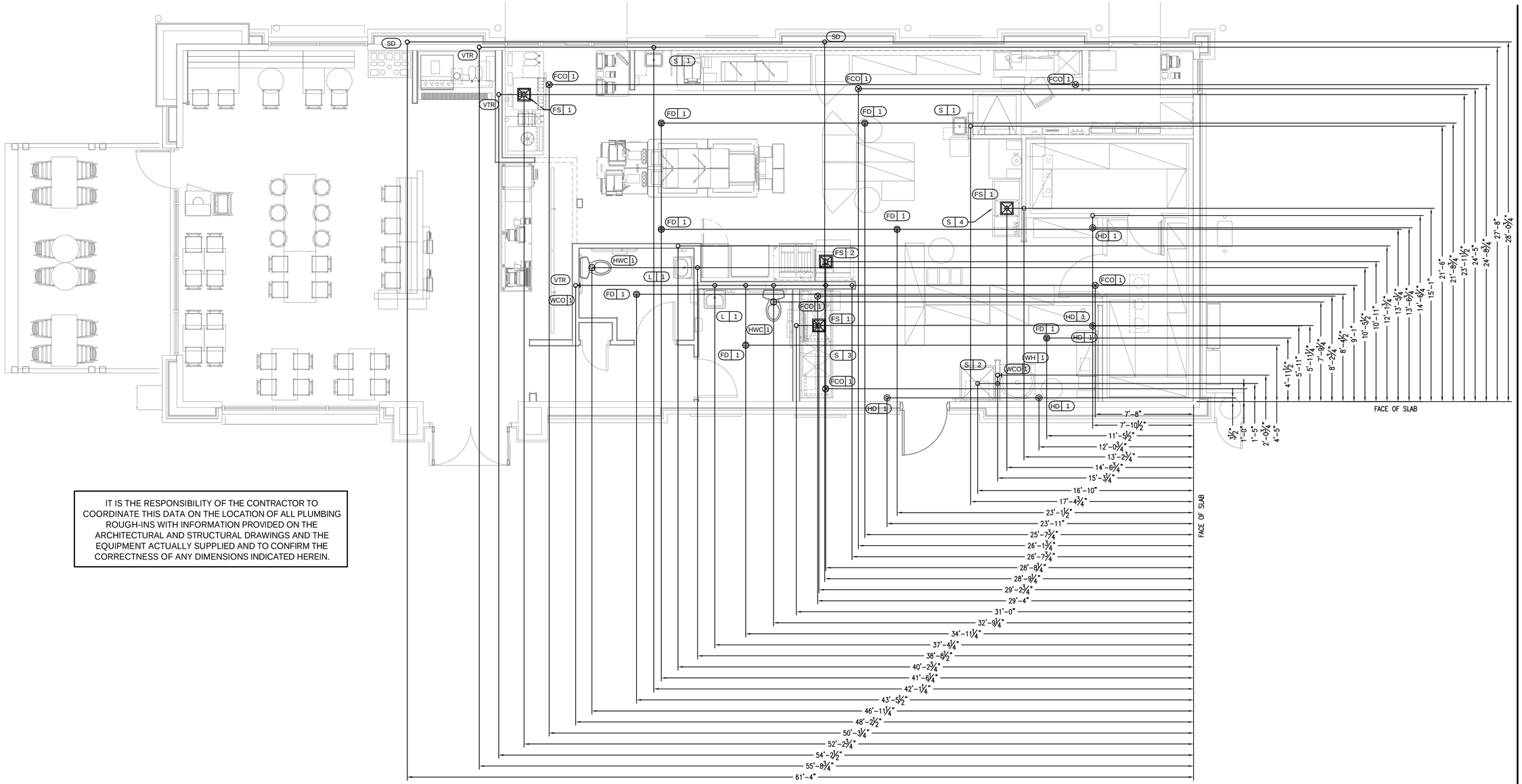
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

PLUMBING WATER & GAS FLOOR PLAN

P3.0



IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND THE EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS INDICATED HEREIN.

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
FS 1	FLOOR SINK			--
FS 2	FLOOR SINK			EPOXY COATED CAST IRON
HD 1	HUB DRAIN			--
WH 1	WATER HEATER	CW		--
WH 1	WATER HEATER	G	+15" A.F.F.	--
WC 1	WATER CLOSET FLUSH VALVE	CW	+29" A.F.F	BOTH HANDICAP AND REGULAR
UR 1	URINAL FLUSH VALVE	CW	+47" A.F.F.	WALL MOUNTED
UR 1	URINAL WASTE STUB	W	+16-1/2" A.F.F.	WALL MOUNTED
L 1	LAVATORY	TW	+20" A.F.F.	--
L 1	LAVATORY WASTE LINE	W	+16-1/2" A.F.F.	--
RO 1	REVERSE OSMOSIS	CW	+84" A.F.F	--
S 1	HAND SINK	TW	+18" A.F.F	RIM OF LAV @ +2'-8" A.F.F.
S 2	MOP SINK	W	-6" A.F.F.	RECESSED IN FLOOR
S 2	MOP SINK FAUCET	CW/HW	+36" A.F.F	--
S 2	MOP SINK FAUCET	CW/HW	+42" A.F.F	CLOSET MOP SINK ONLY
S 3	3-COMPARTMENT SINK	W	+19" A.F.F	--

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
S 3	3-COMPARTMENT SINK FAUCET	CW/HW	+38" A.F.F	--
S 4	PREP SINK	W	+19" A.F.F	--
S 4	PREP SINK FAUCET	CW/HW	+38" A.F.F	--
WCO 1	WALL CLEAN OUT	CI	---	--
S-513	ICE MAKER	FW	-	VIA SYRUP BUNDLE
C-105	RETHERMALIZER	HW	+8" A.F.F.	
C-105	RETHERMALIZER	G	+12" A.F.F.	
C-015	SINGLE OPEN FRYER	G	+12" A.F.F.	
S-286	WATER FILTER SYSTEM	CW	+94" A.F.F.	INLET TO & OUTLET FROM FILTER
P-250	UTILITY CHASE FOR M.A.P.S. LINE	HW/FW	CLG.	STUB AT CLG.
P-450	HOT WATER SYSTEM	CW	+24" A.F.F.	

- HOT WATER
- COLD WATER
- TEMPERED WATER
- GAS
- FLOOR DRAIN
- FLOOR SINK
- HUB DRAIN
- WASTE OUTLET
- FLOOR CLEANOUT
- WALL CLEANOUT
- FILTERED WATER
- VENT UP FROM UNDER SLAB
- WATER LINE THRU FLOOR.

1. ALL DIMENSIONS TO FLOOR SINKS, FLOOR DRAINS AND HUB DRAINS ARE TO CENTER OF FIXTURE.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND THE EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS INDICATED HEREIN.

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DeVita & Associates, Inc. Project: 21002-.08
Drawn By: MHA Checked By: KFM

Registered Professional Engineer (Mechanical)
CERTIFICATE NO. 55288
KEITH F. HUTTON
Date Signed 2/14/22
ARIZONA, U.S.A.

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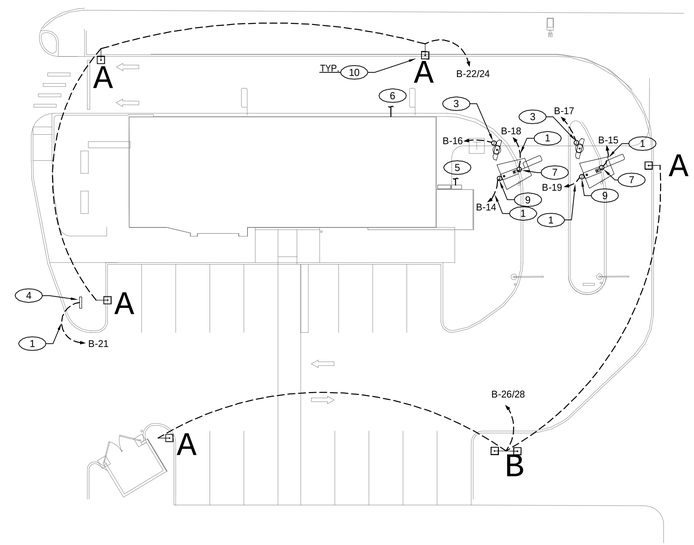
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

PLUMBING ROUGH-IN FLOOR PLAN

P4.0



Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
	5	A	SINGLE	GLEON-AF-03-LED-E1-T4W-DP WITH 22.5' DARK PLATINUM POLE ON 2.5' BASE FOR A MOUNTING HEIGHT OF 25'
	1	B	BACK-BACK	GLEON-AF-03-LED-E1-T4W-DP WITH 22.5' DARK PLATINUM POLE ON 2.5' BASE FOR A MOUNTING HEIGHT OF 25'

CONDUIT SCHEDULE		
DEVICE	POWER	DATA
DIRECTIONAL	(1) 3/4"	-
SPEAKER POST	(1) 1"	(1) 1"
MENUBOARD	(1) 1"	(2) 1"
PREVIEW BOARD (OPTIONAL)	(1) 1"	(2) 1"

SITE ELECTRICAL PLAN 1"=20'-0" | A

NOT USED | F

NOT USED | E

NOT USED | D

NOT USED | C

1. 3/4" C. - 2 #10, #10 GRD. (TYP. FOR ENTIRE CIRCUIT.)
2. NOT USED.
3. MENU BOARD. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY. REFER TO CIVIL DRAWINGS.
4. PYLON / MONUMENT SIGN.
5. UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
6. PROVIDE SEPARATE 2" TELEPHONE AND CABLE CONDUITS TO CONNECTION ON SITE . REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
7. ORDER CONFIRMATION BOARD/ SPEAKER POST. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY.
8. FUTURE PREVIEW BOARD (OPTIONAL). REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY.
9. PROVIDE CONNECTION TO ORDER CANOPY. REFER TO DETAIL 4/E7.0
10. LED SITE LIGHTING, REFER TO CIVIL DRAWINGS, TYP. REFER TO DETAIL CIVIL DRAWINGS.

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Professional Engineer (Electrical) REGISTERED
62994
RYAN ALAN GRAY
Date Signed 04/19/22
ARIZONA U.S.A.

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CONTRACT DATE: 12.01.2021
BUILDING TYPE: END. MED40
PLAN VERSION: XX.XX.XXXX
SITE NUMBER: XXXXXX
STORE NUMBER:

TACO BELL

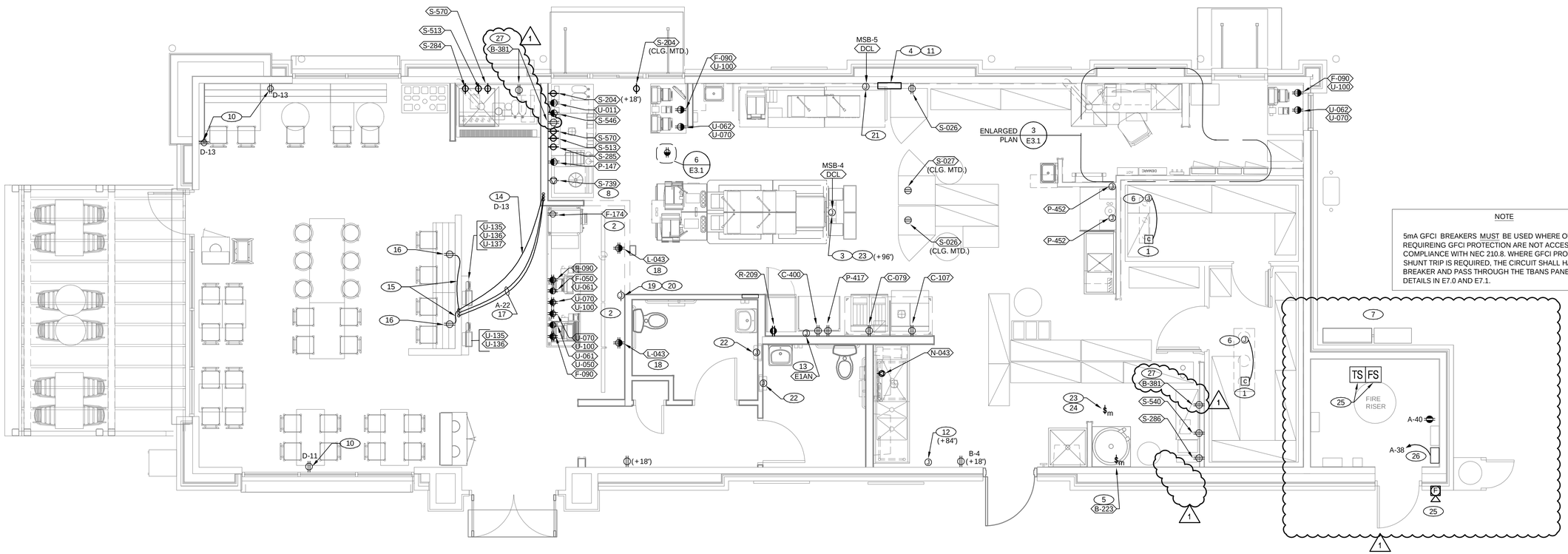
VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

ELECTRICAL SITE PLAN

1

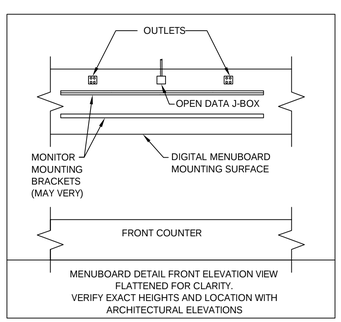
E1.0



NOTE

5mA GFCI BREAKERS MUST BE USED WHERE OUTLETS REQUIREING GFCI PROTECTION ARE NOT ACCESSIBLE FOR COMPLIANCE WITH NEC 210.8. WHERE GFCI PROTECTION AND SHUNT TRIP IS REQUIRED, THE CIRCUIT SHALL HAVE A GFCI BREAKER AND PASS THROUGH THE TBANS PANEL.REFER TO DETAILS IN E7.0 AND E7.1.

POWER PLAN 1/4" = 1'-0" | A



MENUBOARD DETAIL FRONT ELEVATION VIEW FLATTENED FOR CLARITY.
VERIFY EXACT HEIGHTS AND LOCATION WITH ARCHITECTURAL ELEVATIONS

DIGITAL MENU BOARD DETAIL | D

A. ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX, U.O.N.

B. ALL CONDUIT DROPS ARE INSIDE WALLS U.O.N. SEE ARCH. DWGS FOR WALL DIMS.

C. ALL J-BOX CIRCUITS, CONDUITS, FIXTURES, ETC. SHALL BE AS INDICATED ON THE ELECT. DWGS AND SPECS.

D. CONTRACTOR SHALL VERIFY UNDERGROUND CONDUIT LOCATIONS PRIOR TO POURING SLAB.

E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ELECT. ROUGH-INS WITH INFO PROVIDED ON THE ARCH. AND STRUCT. DWGS AND THE EQUIPMENT ACTUALLY SUPPLIED, AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS HEREIN.

F. LOCATIONS OF ALL OUTLETS MAY BE RELOCATED TO NEAREST STUD. DO NOT CUT INTO STUDS.

G. FOR EXACT LOCATIONS OF KITCHEN & MECHANICAL EQUIPMENT AND POINTS OF CONNECTION, REFER TO KITCHEN & MECHANICAL EQUIPMENT DRAWINGS AND MANUFACTURER'S SHOP DRAWINGS.

H. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED BY NEC.

I. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER AND FUSE SIZES WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND PROVIDE EVERYTHING AS REQUIRED.

J. ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA-1 FOR INTERIOR AND NEMA 3R FOR EXTERIOR. IN COASTAL REGIONS THE STANDARD FOR OUTSIDE SHALL BE NEMA-4X.

K. PER NEC, ALL SINGLE PHASE RECEPTACLES 50A OR LESS AND THREE-PHASE RECEPTACLES 100A OR LESS IN COMMERCIAL KITCHENS ARE REQUIRED TO BE GFCI PROTECTED. THIS INCLUDES ISOLATED GROUND RECEPTACLES.

L. DO NOT MEASURE/LOCATE OUTLETS ON DRAWINGS. USE DIMENSIONS PROVIDED.

M. CONDUIT MAY RUN UNDER SLAB AT G.C.'S DISCRETION.

N. E.C. SHALL PROVIDE A PREPRINTED SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES STATING "POS USE ONLY".

O. PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILING, AND FLOORS. DO NOT USE CAULKS OR EXPANSION FOAM FOR SEALANT.

P. ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE CONCEALED O.N.U.

Q. FOR ALL CIRCUITS NOT SHOWN ON EQUIPMENT SCHEDULE, CONTRACTOR SHALL PROVIDE CONDUCTOR AND CONDUIT SIZES AS SHOWN ON BRANCH CIRCUIT WIRING SCHEDULE SHOWN ON E2.2. IF SIZES DIFFER FROM N.E.C., THE MORE STRINGENT (LARGER) SIZE SHALL BE PROVIDED.

R. OUTLETS WITHIN FOH TO BE AT 18" AFF FOR ADA ACCESS.

S. CONDUITS NEAR DRIVE THRU WINDOW AREA TO BE ROUTED FROM ABOVE CEILING OR STUBBED UP FROM UNDER SLAB SO AS TO NOT INTERFERE WITH WINDOW FRAMING.

POWER PLAN GENERAL NOTES | C

1. REFER TO ROOF PLAN.
2. INSTALL IN CONDUIT RUNNING ON SURFACE OF KITCHEN SIDE OF CABINETRY REAR WALL.
3. CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 200 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.
4. EQUIPMENT CABINET.
5. PROVIDE MOTOR RATED SWITCH FOR DISCONNECTING MEANS FOR WATER HEATER.
6. INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED CONDENSER.
7. LOCATE SWITCHGEAR PER GUIDELINES ON SHEET A4.1.
8. PROVIDE BOOST TRANSFORMER (208V, 1-PHASE IN, 240V, 1-PHASE OUT) FOR FROZEN BEVERAGE DISPENSER.
9. WALL MOUNTED HME. SEE 7/E3.1
10. PROVIDE DUPLEX RECEPTACLE WITH TWO (2) USB CHARGING PORTS. RECEPTACLE IN PUBLIC AREAS SHALL BE TAMPER RESISTANT.
11. VERIFY PANEL LOCATION OF COOK LINE WITH TACO BELL
12. PROVIDE J-BOX FOR POWER SOAK INDICATOR LIGHT. (OPTIONAL)
13. VERIFY LOCATION OF JUNCTION BOX WITH CONSTRUCTION MANAGER.
14. PROVIDE 3/4" PVC IN/UNDER FLOOR SLAB BETWEEN 'L WALL' AND WALL AS SHOWN. STUB UP IN WALL, TRANSITION TO EMT AND ROUTE TO PANEL. CONNECT TO CIRCUIT INDICATED. FIELD VERIFY EXACT REQUIREMENTS.
15. PROVIDE LIQUID-TIGHT NON-METALLIC FLEX FROM FLOOR STUP UP TO RECEPTACLE(S) REFERENCED IN KEY NOTES 16 BELOW. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS.
16. PROVIDE, INSTALL AND WIRE A TAMPER RESITANT DUPLEX RECEPTACLE WITH (2) USB POWER PORTS IN SINGLE-GANG BOX. PROVIDE GALVANIZED COVER PLATE TO MATCH BOX. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS.
17. PROVIDE FOR KIOSKS (1)3/4" PVC FOR POWER AND (1)3/4" PVC FOR DATA WITH A PULL CORD IN/UNDER FLOOR SLAB BETWEEN FLOOR BOX AND TO WALL AS SHOWN. STUB UP IN WALL, TRANSITION TO EMT AND ROUTE POWER TO PANEL. CONNECT TO CIRCUIT INDICATED. FIELD VERIFY EXACT REQUIREMENTS.
18. PROVIDE (4) IG5262 DUPLEX OUTLETS IN (2) QUAD BOXES ON FRONT OF VALANCE WALL AS SHOWN. OUTLETS TO BE STRAIGHT BLADE. OUTLETS TO BE CONNECTED TO SPARE ISOLATED/DEDICATED GROUNDED CIRCUIT THAT IS NOT CONNECTED TO ANY RESTAURANT POWER MANAGEMENT SYSTEM.
19. PROVIDE (1) OPEN DATA JUNCTION BOX (JB) IN VALANCE WALL. CONDUIT TERMINATED ABOVE CEILING TO HAVE BUSHING.
20. DATA FOR MONITORS. PROVIDE (3) ORANGE CAT 6 LINES FROM NETWORK SWITCH TO DATA JUNCTION BOX. CAT6 LINES SHOULD HAVE BOTH ENDS PROPERLY TERMINATED WITH RJ-45 CONNECTORS. EXCESS CAT6 CABLE TO BE COILED INTO SERVICE LOOPS AT EACH END AND LEFT ACCESSIBLE FOR DMB INSTALL TEAM. CAT6 TO BE RUN IN ACCORDANCE WITH ALL LOCAL MUNICIPALITY CODE REQUIREMENTS.
21. CONNECT PRODUCTION LINE CIRCUIT BREAKER PANEL VIA UTILITY CHASE IN CEILING TO A 3 POLE, 125 AMP CIRCUIT BREAKER IN MAIN SWITCHBOARD. SEE SHEET E2.0. VERIFY ALL REQUIREMENTS WITH ACTUAL EQUIPMENT SPECIFIED. THE MANUFACTURER WILL FULLY PRE-WIRE THE COMPLETE MAPS LINE AT THE FACTORY. THE UNITS WILL THEN BE PULLED APART FOR SHIPPING PURPOSES. ALL CONNECTION POINTS WILL BE MARKED. THE CONDUIT RUNS WILL BE COILED UP FOR A FIELD INSTALLATION. SOME ELECTRICAL COMPONENTS MAY BE REMOVED FOR EASE OF DISASSEMBLING THE LINE-UP. THE ELECTRICAL CONTRACTOR WILL BE FULLY RESPONSIBLE FOR MAKING THE PROPER FIELD CONNECTIONS FROM THE ROUGH-IN LOCATION TO THE MANUFACTURER PROVIDED BREAKER PANEL BOX. IN ADDITION, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY SPLICE POINTS AND/OR JUNCTION BOXES THAT NEED TO BE RECONNECTED. SOME ELECTRICAL COMPONENT ASSEMBLY MAY ALSO BE REQUIRED.
22. JUNCTION BOX FOR 120 VOLT POWER CONNECTION TO NEW HAND DRYER. COORDINATE EXACT MOUNTING LOCATION WITH CONSTRUCTION MANAGER PRIOR TO ROUGH-IN. CONNECT TO CIRCUIT INDICATED. FIELD VERIFY EXACT REQUIREMENTS.
23. PROVIDE RECIRCULATION PUMP FOR WATER HEATERS. COORDINATE LOCATION AND MOUNTING HEIGHT FOR RECIRCULATION PUMP SWITCH WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
24. PROVIDE MOTOR RATED SWITCH FOR DISCONNECTING MEANS FOR RECIRCULATION PUMP.
25. PROVIDE TAMPER SWITCH, FLOW SWITCH, AND WEATHERPROOF HORN / STROBE.
26. PROVIDE SPRINKLER MONITORING PANEL, MONITORED BY APPROVED OFF SITE AUTHORITY.
27. CO2 SENSOR. COORDINATE EXACT MOUNTING LOCATION WITH CONSTRUCTION MANAGER PRIOR TO ROUGH-IN. CONNECT TO CIRCUIT INDICATED. FIELD VERIFY EXACT REQUIREMENTS.

KEY NOTES | B

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DeVita Project No. 21002-08 Revised Date:
Drawn By: RPB Checked By: RAG

13048R21005

1	RTC	04.19.22

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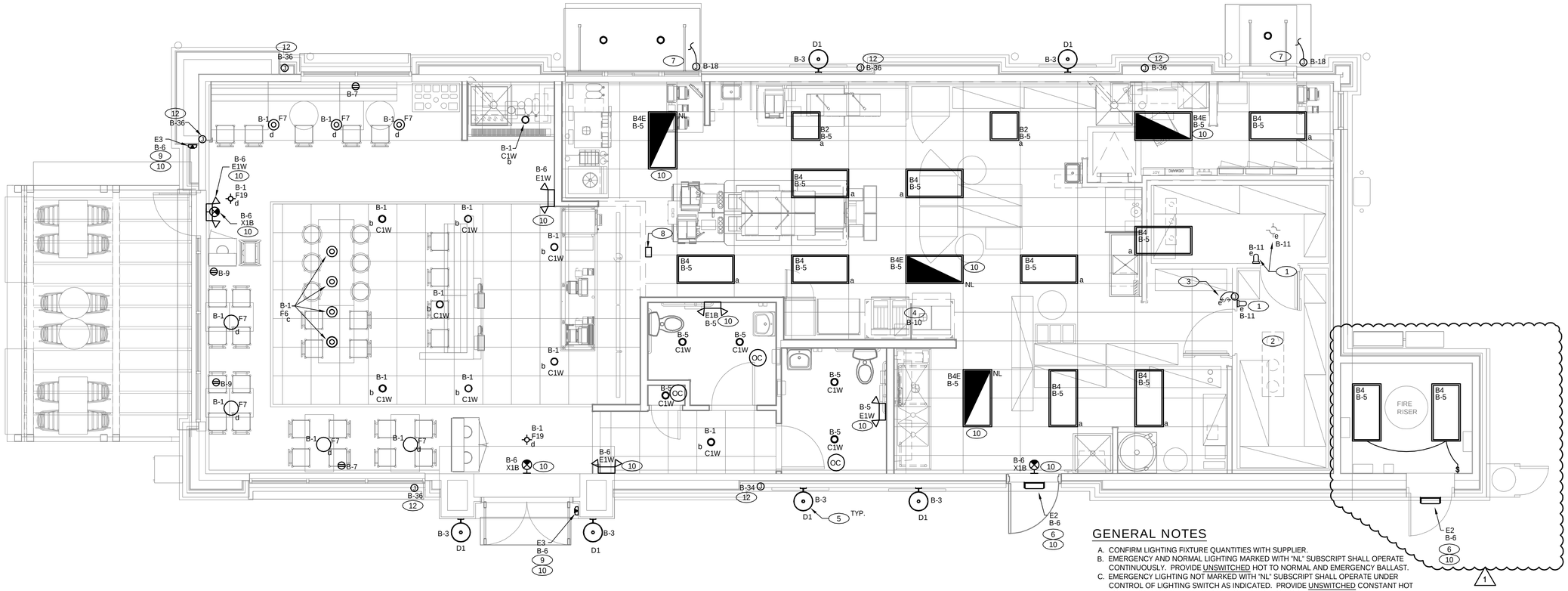
TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

POWER FLOOR PLAN

E3.0



GENERAL NOTES

A. CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.
B. EMERGENCY AND NORMAL LIGHTING MARKED WITH "NL" SUBSCRIPT SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED HOT TO NORMAL AND EMERGENCY BALLAST.
C. EMERGENCY LIGHTING NOT MARKED WITH "NL" SUBSCRIPT SHALL OPERATE UNDER CONTROL OF LIGHTING SWITCH AS INDICATED. PROVIDE UNSWITCHED CONSTANT HOT TO EMERGENCY BALLAST AND SWITCHED HOT TO NORMAL BALLAST.
D. ALL CONDUITS ENTERING OR LEAVING COOLER/FREEZER SHALL BE PROVIDED WITH SEAL-OFF FITTING WITH COMPOUND PER NEC 300-(7a).
E. ALL INTERIOR LIGHTING CIRCUITS TO BE WIRED THRU THE LIGHTING CONTROL RELAYS. SEE 1/E6.1.
F. CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.
G. ALL FIXTURES SUPPLIED WITH LAMPS.
H. ALL EXTERIOR NON-EMERGENCY LIGHT FIXTURES, BUILDING SIGNS, AND EXTERIOR SIGNS SHALL BE CONTROLLED THROUGH PHOTOCELL AND LIGHTING CONTROL RELAYS. SEE E6.0 THRU E6.3 FOR ADDITIONAL DETAILS.

LIGHTING PLAN 1/4"=1'-0" | A

NOTE:
CONTRACTOR SHALL VERIFY ALL QUANTITIES OF LIGHT FIXTURES. NOT ALL FIXTURE TYPES MAY BE USED. FINISHES FOR LIGHTING FIXTURES ARE INDICATED FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY ARCHITECT PRIOR TO ORDERING FIXTURES.

NO.	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMP #/TYPE	BALLAST TYPE	VOLT	WATT	REMARKS
A1	LSI INDUSTRIES	MRM-LED-24L-SIL-FT-40-70CRI	LED POLE LIGHT	POLE LIGHT MOUNTED AT 25'	LED	NA	120	187	-
A4	LSI INDUSTRIES	4SQB3-SO7G-25-BRZ	LIGHT POLE	25' LIGHT POLE	NA	NA	NA	NA	-
B2	ABB	FLP22-D53W40	2X2 LED TROFFER		LED		120	45	-
B2E	ABB	FLP22-D53W40-EM	2X2 LED TROFFER		LED		120	45	-
B4	ABB	FLP24-D53W40	2X4 LED TROFFER		LED		120	45	-
B4E	ABB	FLP24-D53W40-EM	2X4 LED TROFFER		LED		120	45	-
C1W	MAXLITE	B6IC-AT-W- LED14DR5630KB95	LED TRIM 14W 6" RECESSED 30K 80CRI WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING		LED		120	14	-
D1	TROY	B2772	17"X14" WALL MOUNT SCONCE, OLD SILVER FINISH, MEDIUM BASE SOCKET, 100 WATT MAX		LED9A19D2527K		120	60	ALIGN BOTTOM OF FIXTURE'S MOUNTING WITH CHANGE IN EIFS THICKNESS
E1B	ELITE	ELM-809-B	EMERGENCY LIGHT FROG EYE - BLACK	WALL, TOP @ 9'-4" U.O.N.	-	EM	120	12	-
E1W	ELITE	ELM-809-W	EMERGENCY LIGHT FROG EYE - WHITE	WALL, TOP @ 9'-4" U.O.N.	-	EM	120	12	-
E2	ELITE	ELM-807-SDT-BZ	CAMRAY LED EM WALL MNT, DRK BRNZ, CLD WEATHER	UNIVERSAL	-	EM	120	16	-
E3	LITHONIA	AFF-PEL-DDBTXD-UVOLT-LTP-S DRT-WT-CW	SELF-POWERED EMERGENCY WALLPACK W/ PHOTOCELL	8'-6"	LED	EM	120	20	
F6	KICHLER	43852OZ	9.75" GLASS PENDANT AVERY WITH MED BASE SOCKET RATED 100W MAX OLDE BRONZE FINISH	PENDANT, 6'-0" A.F.F.	1/LED AAMSCO LED-6W-ST64HYBRID-DIM	NA	120	100	PLACEHOLDER INCLUDES LAMP
F7	HI-LITES	H24212-96-CB15-20WLBL-6OP	12" GALVANIZED PENDANT WITH BLACK CORD AND CANOPY MED BASE SOCKET	PENDANT, 6'-0" A.F.F.	1/LED 10A19D0D27K	NA	120	10	-
F19C	SPECTRUM LIGHTING	SPCO304INC-MWL(25W)PAR20-CM-180°-MB	LED PENDANT - 3"	PENDANT, 6'-0" A.F.F.	1/LED LR20/40/27K/975/BK	NA	120	9	-
F19CS	SPECTRUM LIGHTING	SPCO304INC-MWL(25W)PAR20-SM-MB	LED PENDANT - 3"		1/LED LR20/40/27K/975/BK	NA	120	9	-
X1B	LIGHTALARMS	GRANNRB	LED UNIVERSAL MNTG THERMOPLASTIC EXIT, RED LETTERS, BLACK HSNG	UNIVERSAL	-/LED	EM	120	3	-

LIGHTING FIXTURE SCHEDULE | C

1. INDICATES LIGHTING FIXTURES PROVIDED WITH WALK-IN COOLER. REFER TO GENERAL NOTE D.
2. FOR LIGHTING FIXTURES, CONDUIT, CONDUCTORS AND INSTALLATION RESPONSIBILITIES, REFER TO SCOPE OF WORK.
3. FIXTURE AND SWITCH FACTORY INSTALLED WITH UNIT. G.C. TO COMPLETE CIRCUITING.
4. EXHAUST HOOD LIGHT FIXTURES SUPPLIED WITH HOOD AND MOUNTED IN PRE-WIRED J-BOX. COMPLETE CIRCUITING PER DETAIL E6.1.
5. COORD. J-BOX LOCATION SO IT REMAINS CONCEALED BEHIND FIXTURE. REFER TO ARCH. DWGS. A4.0 AND A4.1 FOR HEIGHT AND LOCATION.
6. REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS ON A4.0 AMD A4.1 FOR DIMENSIONED LOCATION OF FIXTURE.
7. PROVIDE POWER CONNECTION TO CANOPY AT FACTORY INSTALLED DISCONNECT SWITCH FOR CANOPY LIGHTS. LIGHTS ARE FURNISHED WITH CANOPY. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE REQUIREMENTS WITH MANUFACTURUER.
8. ALERT LIGHT : ONLY APPLIES WHEN A GEN IV POWER SOAK IS USED. DISREGARD IF GEN III POWER SOAK IS USED. SEE SHEET E3.0 FOR POWER REQUIREMENTS.
9. MOUNT TYPE "E3" FIXTURE 8'-0" AFG TO CENTER OF FIXTURE. CIRCUIT TO UNSWITCHED HOT CONDUCTOR OF CIRCUIT INDICATED.
10. CONNECT EMERGENCY BALLAST OR BATTERY BACKUP OF EMERGENCY LIGHT OR EXIT SIGN TO UNSWITCHED CONTINUOUSLY HOT CONDUCTOR OF LOCAL LIGHTING CIRCUIT INDICATED. NORMAL LIGHTING FIXTURES NOT MARKED AS "NL" FOR NIGHT LIGHT SHALL BE WIRED FOR SWITCHED NORMAL OPERATION.
11. PROVIDE POWER CONNECTION TO PURPLE WALLWASH LIGHTS FURNISHED BY SIGN VENDOR. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL ELEVATIONS. COORDINATE REQUIREMENTS WITH VENDOR.
12. PROVIDE POWER CONNECTION TO PURPLE WALLWASH LIGHTS FURNISHED BY SIGN VENDOR. PROVIDE ALL REQUIRED FIELD WIRING. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL ELEVATIONS. COORDINATE REQUIREMENTS WITH VENDOR.
13. VERIFY MOUNTING HEIGHT FOR SIGN POWER WITH ARCHITECTURAL ELEVATIONS AND SIGN VENDOR.
14. PROVIDE HARD CEILING FLANGE KIT.

KEY NOTES | B

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DeVita & Associates, Inc. Project No. 21000-08
Drawn By: RPB Checked By: RAG

Registered Professional Engineer (Electrical)
CERTIFICATE NO. 62994
RYAN ALAN GRAY
Date Signed 5/4/22
ARIZONA U.S.A.

13048R21005

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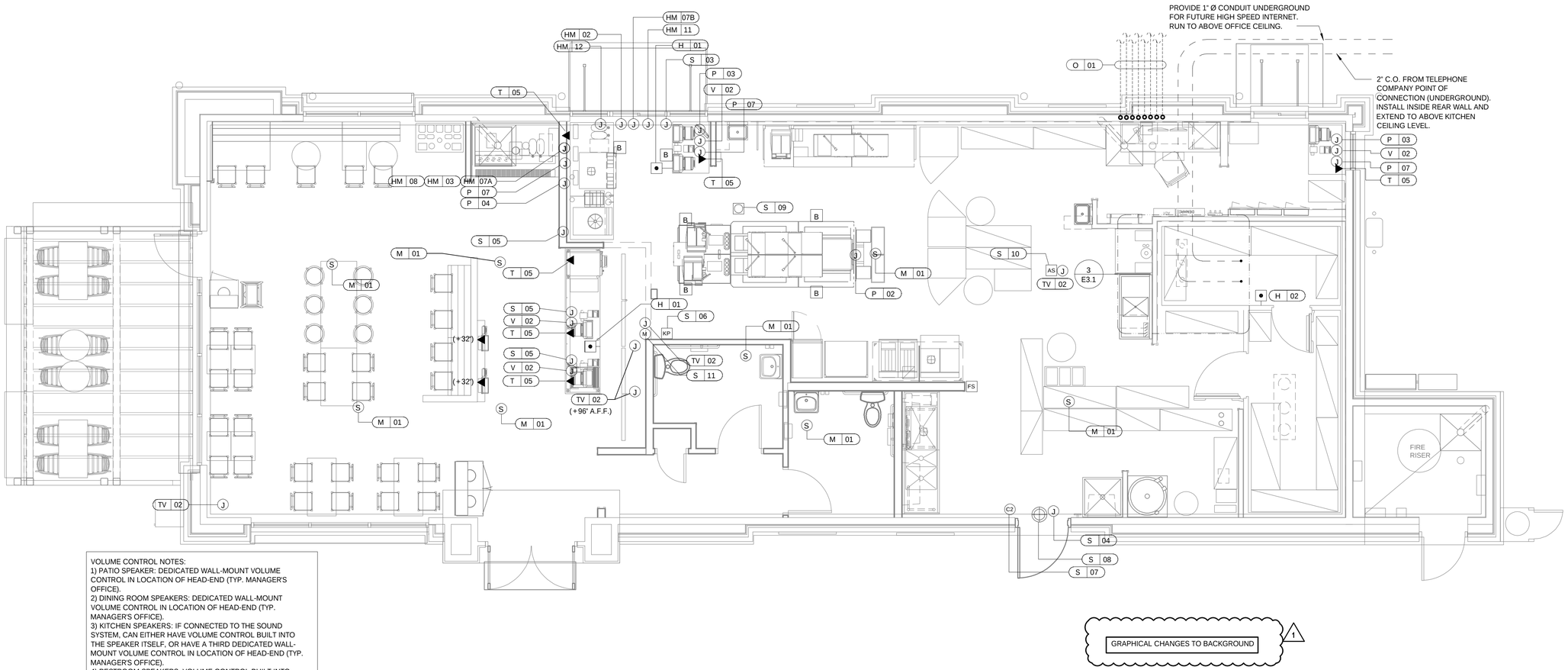
LIGHTING PLAN AND SCHEDULE

E4.0



VOLUME CONTROL NOTES:
1) PATIO SPEAKER: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE).
2) DINING ROOM SPEAKERS: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE).
3) KITCHEN SPEAKERS: IF CONNECTED TO THE SOUND SYSTEM, CAN EITHER HAVE VOLUME CONTROL BUILT INTO THE SPEAKER ITSELF, OR HAVE A THIRD DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE).
4) RESTROOM SPEAKERS: VOLUME CONTROL BUILT INTO SPEAKER.

COMMUNICATIONS PLAN 1/4"=1'-0" | A

- HOLD-UP BUTTON (MOUNT 2-1/2" BEHIND COUNTER EDGE)
- (S) MUSIC SYSTEM SPEAKERS
- SECURITY STROBE
- (J) J-BOX
- 2" x 4" J-BOX W/ DATA PORTS
- (M) MOTION DETECTOR
- (OC) OCCUPANCY SENSOR. CEILING MOUNTED. SEE DETAILS 1 & 2 / E7.0
- (C2) DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)
- "SOUND ALERT" DEVICE
- KP KEYPAD (MTD AT 48" A.F.F.)
- AS ALARM SIREN ABOVE CLG
- B BUMP PAD (MOUNT AT FRONT COUNTER)
- FS HOOD FIRE SUPPRESSION SYSTEM PULL STATION
- USB OUTLET

COMMUNICATIONS LEGEND | D

A. SUPPLY AND INSTALL OUTLETS AND CONDUIT FOR OWNER SUPPLIED AND INSTALLED CABLE AND LOW VOLTAGE WIRING (U.O.N.). TELEPHONE AND MUSIC SYSTEM WIRING SHALL BE SUPPLIED AND INSTALLED. SEE SCOPE OF WORK SHEETS.

B. SEE SHEETS E3.0 AND E3.1 FOR ELECT. INFO ON POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

C. THIS PLAN INCLUDES CONDUITS AND J-BOXES FOR POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, TELEPHONE SYSTEM, MUSIC SYSTEM, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

D. ALL OUTLETS AND BOXES MOUNTED IN THE SERVING COUNTER CABINETRY ARE TO BE 24" AFF. INSTALL JUNCTION BOXES WITH CONDUIT UNDER CABINET TO NEAREST WALL AND TO ABOVE CEILING.

COMMUNICATIONS NOTES | E

COMMUNICATIONS ROUGH-IN SCHEDULE

COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
H	01	UNDER COUNTER HOLD-UP BUTTON		SEE DETAIL 6/E3.1.
H	02	WALL MOUNTED HOLD-UP BUTTON	+18" A.F.F.	SURFACE MTD. 2X4 J-BOX ON INSIDE OF WALK-IN FREEZER HINGE WALL W/ (1) 1/2" CONDUIT TO ABOVE KITCHEN CEILING. BUTTON FACING DOWN. SEE DETAIL 1/E3.1
HM	02	D/T TIMER SIGNAL PROCESSOR J-BOX	+126" A.F.F	4X4X4" DEEP (MIN.) J-BOX ABV. CLG. W/ (1) 1" CONDUIT TO HM-07B. (1) 1" CONDUIT TO HM-04, (1) 1-1/2" CONDUIT TO HM-08 & (1) 1" CONDUIT TO HM-12. SEE DET. 5/E3.1.
HM	03	D/T BASE STATION J-BOX	+72" A.F.F.	4X4 J-BOX @ D/T BASE STATION W/ (1) 1-1/2" C TO HM-08 & (1) 1-1/2" C TO HM-07A. SEE DETAIL 5/E3.1.
HM	07A	D/T TIMER DISPLAY J-BOX	+62" A.F.F.	2X4 J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 & (1) 1" C TO HM-04. SEE DETAIL 5/E3.1.
HM	07B	D/T TIMER DISPLAY J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-02. SEE DETAIL 5/E3.1
HM	08	D/T J-BOX	+96" A.F.F.	4X4X4" DEEP (MIN.) J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 & (1) 1-1/2" CONDUIT TO HM-02. SEE DETAIL 5/E3.1.
HM	11	D/T CONTROL UNIT J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-12. SEE DETAIL 5/E3.1.
HM	12	D/T/ ETHERNET SWITCH J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-11, (1) 1" CONDUIT TO HM-02 & (1) 1" CONDUIT TO OFFICE ROUTER.
M	01	SPEAKER, CEILING MOUNTED	CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TO AMPLIFIER IN OFFICE. FOR EXACT LOCATION OF SPEAKERS, SEE LIGHTING PLAN SHEET E4.0.
P	02		CEILING	2X4 J-BOX FLUSH @ CEILING. FOR M.A.P.S. LINE MONITOR J-BOX.
P	03	KITCHEN MONITOR J-BOX	+84" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO ABOVE CIELING
P	04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-03.
P	07	POS J-BOX W/ 2-1/2" DIA HOLE IN COVER PLATE	+24" A.F.F.	6X6X4" DEEP J-BOX W/ 2-1/2" CONDUIT IN WALL TO ABV. CEILING, WITH PULL STRING FOR POS.
S	03	J-BOX SECURITY SYSTEM	+30" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. FOR HOLD-UP BUTTON SIGNAL WIRE.
S	04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2X4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEILING.
S	05	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ 3/4" CONDUIT TO S-05 AND TO ABOVE CEILING.
S	06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.
S	07	J-BOX SECURITY SYSTEM	TOP OF JAMB	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.
S	08	"SOUND ALERT" DEVICE	CEILING	CONNECT TO SECURITY SYSTEM.
S	09	SECURITY STROBE LIGHT	CEILING	CONNECT TO SECURITY SYSTEM.
S	10	ALARM SIREN	ABV. CEILING	CONNECT TO SECURITY SYSTEM.
S	11	MOTION / HEAT DETECTOR	+78" A.F.F.	STUB 1/2" CONDUIT. D5835 OR D5820. MOUNT 90" A.F.F. FOR OFFICE

COMMUNICATIONS ROUGH-IN SCHEDULE

COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
T	02	S-47		
T	03	VOICE LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ DOUBLE RJ-11 PHONE JACK & 1" CONDUIT TO ABOVE CEILING.
T	04	COMPUTER LINE PHONE JACK	+42" A.F.F.	2X4 J-BOX W/ RJ-11 PHONE JACK AND 1" CONDUIT TO ABOVE CEILING.
T	05		+24" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING.
TV	02	SECURITY CAMERA	+96" A.F.F.	MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING MTD. ON BACK SIDE OF BULKHEAD (6 TOTAL).
V	02	CREDIT CARD READER (VSAT)	+24" A.F.F.	2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.
S	01	J-BOX SECURITY SYSTEMS	+48" A.F.F.	4X4 J-BOX AT SECUIRTY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02
S	02	J-BOX SECURITY SYSTEMS	+106" A.F.F.	4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01
S	12	J-BOX SECURITY DVR	+42" A.F.F.	2X4 J-BOX FOR SECURITY DVR
T	02	SECURITY SYSTEM PHONE JACK	+106" A.F.F.	2X4 J-BOX ADJACENT TO S-02 W/ RJ-31X PHONE JACK
V	01	ALTERNATE PAYMENT ROUTER BOX	+90" A.F.F.	4X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES (DOUBLE JACK)
HM	10	OCB SWITCH	+52" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING
IR	01	IRRIGATION TIMER	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES
O	01	(8) 1" DATA CONDUITS	U.G.	FROM MENU BOARD / SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T SYST.

COMMUNICATIONS ROUGH-IN SCHEDULE | B

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Drawn By: RPB Checked By: RAG

Professional Engineer Seal
ARIZONA
62994
RYAN ALAN GRAY
Date Signed 04/19/22
ARIZONA U.S.A.

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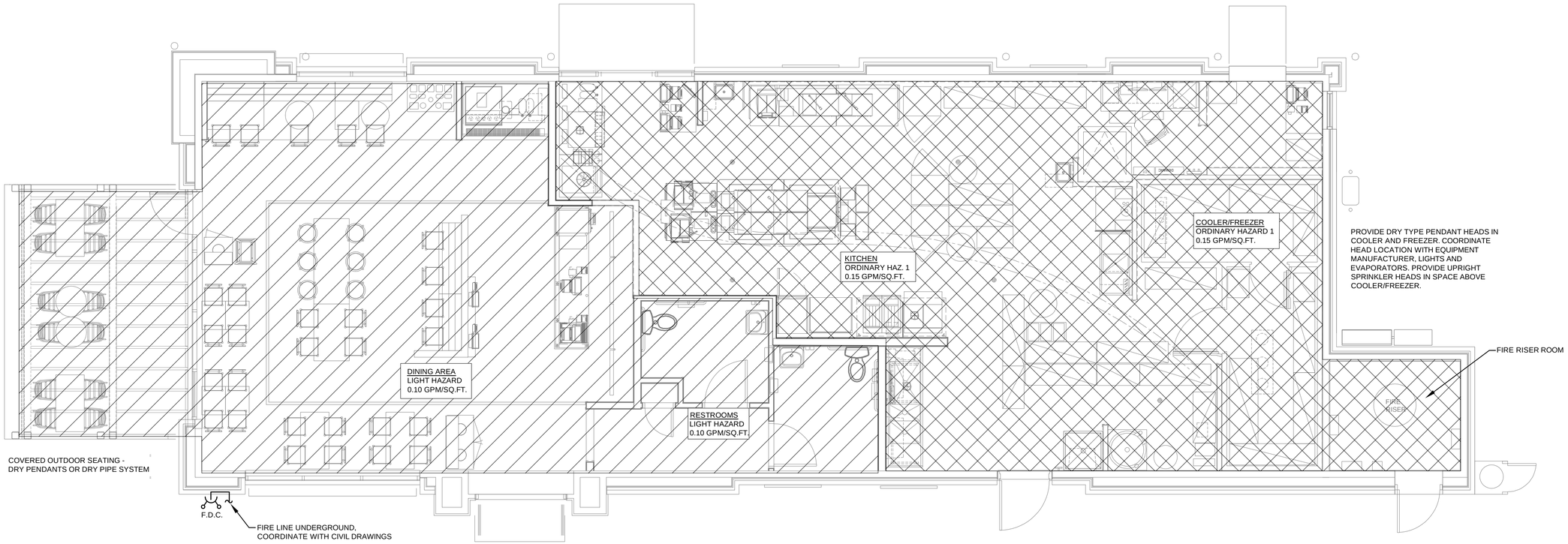
CONTRACT DATE: 12.01.2021
BUILDING TYPE: END. MED40
PLAN VERSION: XX.XX.XXXX
SITE NUMBER: XXXXXX
STORE NUMBER:

TACO BELL
VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

COMMUNICA-TIONS PLAN

E5.0



FIRE PROTECTION CRITERIA PLAN 1/4" = 1'-0" | A

NOT USED | D

GENERAL NOTES:

A. COORDINATE FIRE SPRINKLER HEAD LOCATIONS AND RELATED PIPING WITH THE REFLECTED CEILING PLAN AND ALL OTHER TRADES, EQUIPMENT, PIPING, ETC.

B. FIRE SPRINKLER SYSTEM SHALL BE DESIGNED PER THE REQUIREMENTS OF CURRENT VERSION OF NFPA-13 AND LOCAL AUTHORITY HAVING JURISDICTION.

C. FIRE SPRINKLER CONTRACTOR SHALL SUBMIT SCALED (24"X36") LAYOUT DRAWINGS FOR THE FIRE PROTECTION SYSTEM, INDICATING HANGER LOCATIONS, PIPE SIZES, LOCATIONS, ELEVATIONS, SLOPE OF HORIZONTAL RUNS, WALL AND FLOOR PENETRATIONS AND CONNECTIONS. PROVIDE FIRE SPRINKLER HYDRAULIC CALCULATIONS. PROVIDE CUT SHEETS FOR ALL MATERIAL AND EQUIPMENT FOR REVIEW.

D. PROVIDE FLOW SWITCH, SHUTOFF VALVE WITH TAMPER SWITCH AND BACKFLOW PREVENTERS AS REQUIRED BY LOCAL AND STATE CODES.

E. THE BACKFLOW PREVENTER SHALL BE EQUIPPED WITH TAMPER SWITCHES AND SHALL BE TIED INTO THE FIRE ALARM SYSTEM* BACKFLOW PREVENTION. BACKFLOW PREVENTION DEVICE VALVES LOCATED ON FIRE LINE PIPING SHALL BE LOCKED IN THE OPEN POSITION. IN OCCUPANCIES REQUIRED TO BE EQUIPPED WITH A FIRE ALARM SYSTEM, THE BACKFLOW PREVENTER VALVES SHALL BE ELECTRICALLY SUPERVISED BY A TAMPER SWITCH INSTALLED IN ACCORDANCE WITH NFPA 72 AND SEPARATELY ANNUNCIATED.

F. EXACT LOCATION AND NUMBER OF SPRINKLER HEADS SHALL BE FIELD VERIFIED AND ADJUSTED AT TIME OF INSTALLATION TO PROVIDE FULL COVERAGE.

G. GENERALLY, IT IS THE INTENTION FOR FIRE SPRINKLER MAINS AND BRANCH LINES TO BE ROUTED BETWEEN RECESSED LIGHT FIXTURES AND TIGHT TO DECK ABOVE THE DUCTWORK.

FIRE PROTECTION NOTES | C

FIRE PROTECTION DESIGN CRITERIA

DINING AREA , RESTROOMS						
CLASSIFICATION	DENSITY	AREA OF COVERAGE	COVERAGE PER SPRINKLER	DISCHARGE TEMPERATURE	MAXIMUM SPACING	HOSE STREAM ALLOWANCE
LIGHT HAZARD	0.10 GPM/ SQ. FT.	1500 SQ. FT.	225 SQ. FT.	165°F	15 FT.	100 GPM
KITCHEN / FREEZER / COOLER AREA						
CLASSIFICATION	DENSITY	AREA OF COVERAGE	COVERAGE PER SPRINKLER	DISCHARGE TEMPERATURE	MAXIMUM SPACING	HOSE STREAM ALLOWANCE
ORDINARY HAZARD GROUP 1	0.15 GPM/ SQ. FT.	1500 SQ. FT.	130 SQ. FT.	165°F	15 FT.	250 GPM

FIRE PROTECTION CRITERIA | B

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TACO BELL

VILLAGE OF PRASADA
SURPRISE, AZ

ENDEAVOR 2.0

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FIRE PROTECTION CRITERIA PLAN

FP1.0