



Planning & Zoning Division

Amanda C. Salas, Director

*Harold M Garcia
Chair-District 1*

*Janice C. Varela
Vice-Chair-District 2*

*Max O Trujillo
Commissioner-District 3*

*Martin Sena
Commissioner-District 4*

*Kenneth C. Medina
Commissioner-District 5*

*Joy Ansley
County Manager*

San Miguel County Planning & Zoning Commission/Board of Adjustment Special Meeting

Thursday, September 30, 2021

San Miguel County Courthouse

500 West National Ave., Las Vegas, NM 87701

The San Miguel County Planning & Zoning Commissioners held a Special Meeting on Thursday, September 30, 2021 at 2:00p.m. The meeting convened at the San Miguel Administrative Complex located at 500 West National Avenue, Suite 200 Las Vegas New Mexico 87701

Roll Call

Kenny Lujan-present, Phillip Warfield-absent, Sean Medrano-present, Eva Artschwager-present, Macario Gonzales-present. A quorum was established.

Election of Officers

A vote was made to nominate Kenny Lujan for Chairman.

Motion made by Chairman Kenny Lujan to approve Commissioner Kenny Lujan as Chairman, Second by Macario Gonzales. Motion Carried.

Roll Call

Kenny Lujan-yes

Sean Medrano-yes

Eva Artschwager-yes

Macario Gonzales-yes

A vote was made to nominate Sean Medrano for Vice-Chair.

Motion was made by Chairman Kenny Lujan to approve Sean Medrano for Vice-Chair, Second by Commissioner Kenny Lujan. Motion Carried.



Board of County Commissioners

Roll Call

Kenny Lujan-yes
Sean Medrano-yes
Eva Artschwager-yes
Macario Gonzales-yes

A vote was made to nominate Commissioner Eva Artschwager as Secretary.

Roll Call

Kenny Lujan-yes
Sean Medrano-yes
Eva Artschwager-yes
Macario Gonzales-yes

Approval of Minutes from October 2, 2019

Motion made by Commissioner Macario Gonzales to approve the Minutes for October 2, 2019, Second by Commissioner Sean Medrano. Motion Carried.

Discussion Items

San Miguel County Planning & Zoning Director Amanda Salas, County Manager Joy Ansley, and County Commissioners introduced themselves.

San Miguel County Planning & Zoning Director Amanda Salas informed the Commission on conditional use applications for Cannabis. On April 10th 2021 Cannabis Regulation Act was signed into law by New Mexico State Government. Which Cannabis Control Division will no later than September 1, 2021 begin accepting and processing license application for cannabis producers for retail or sell. A temporary resolution was prepared until a more official ordinance is put in place. All Conditional use permits have to be reviewed by County and State to review the site plan of any cannabis facility. They must follow all guidelines from the Cannabis Control Division, as well as the County Ordinance for any land use, building permits, etc.

All persons currently properly licensed as a cannabis producer for medical use, must submit a conditional use application to the San Miguel County Planning and Zoning Division and pay a non-refundable fee of \$200.00 and provide a copy of the approved cannabis production license from the Cannabis Control Division for consideration of recreational cannabis production in San Miguel County.



Board of County Commissioners

Submittal of an applicant does not guarantee approval. Current licensed Hemp producers must also submit a conditional use application to San Miguel County Planning and Zoning Division. Each producer must renew their license annually and be charged any additional fees.

The Planning and Zoning Director shall require the following information from the applicant:

- Completely filled out application as provided by the San Miguel County Planning and Zoning Division
- Proof of compliance with all requirements set forth under state law and as required under by New Mexico's Regulation and Licensing Department (RLD) to obtain a license under the Cannabis Regulation Act. (Refer to Licensing, Exhibit A)
- Driver's License of applicant and any other property owners/business partners
- Certification from the New Mexico Secretary of State Office reflecting the business and/or corporate structure, LLC, if any, of the cannabis producer and/or retailer.
- NM Tax and Revenue CRS Registration Card
- Most recent survey of the property and warranty deed
- A site map which identifies the location of the production site and/or retail
- If not owner of the property, must have a fully executed lease giving legal authority for the use of buildings, property, water rights and allowing any alteration to the property
- Certificate of occupancy from CID for any construction/building which will include approval for electrical, plumbing. Shipping containers, barndominiums, pre-made sheds over 200 square feet etc. or any other building not already in county ordinance will also require CID approval
- Fire inspection by the NM State Fire Marshal's Office and/or San Miguel County Fire Chief (certificate of occupancy will be needed prior to scheduling)
- Approved Water Plan
 - Approved water rights for irrigation, commercial or agriculture by the Office of the State Engineer
 - Notarized statement from any board of any Mutual Domestic Water Association if the applicant has water rights, approving usage for cannabis production
 - Plan for water savings which included drip irrigation and water collection.
- Approve Septic Plan from the NM Environment Department

New Business (Discussion Only)

Administrative

A discussion was held regarding a time and day to hold San Miguel County Planning and Zoning meetings. A consideration was made to possibly have them quarterly or when needed on the second Thursday of the month at 2:00 p.m. Calling of a special meeting when needed and option of having virtual meetings.

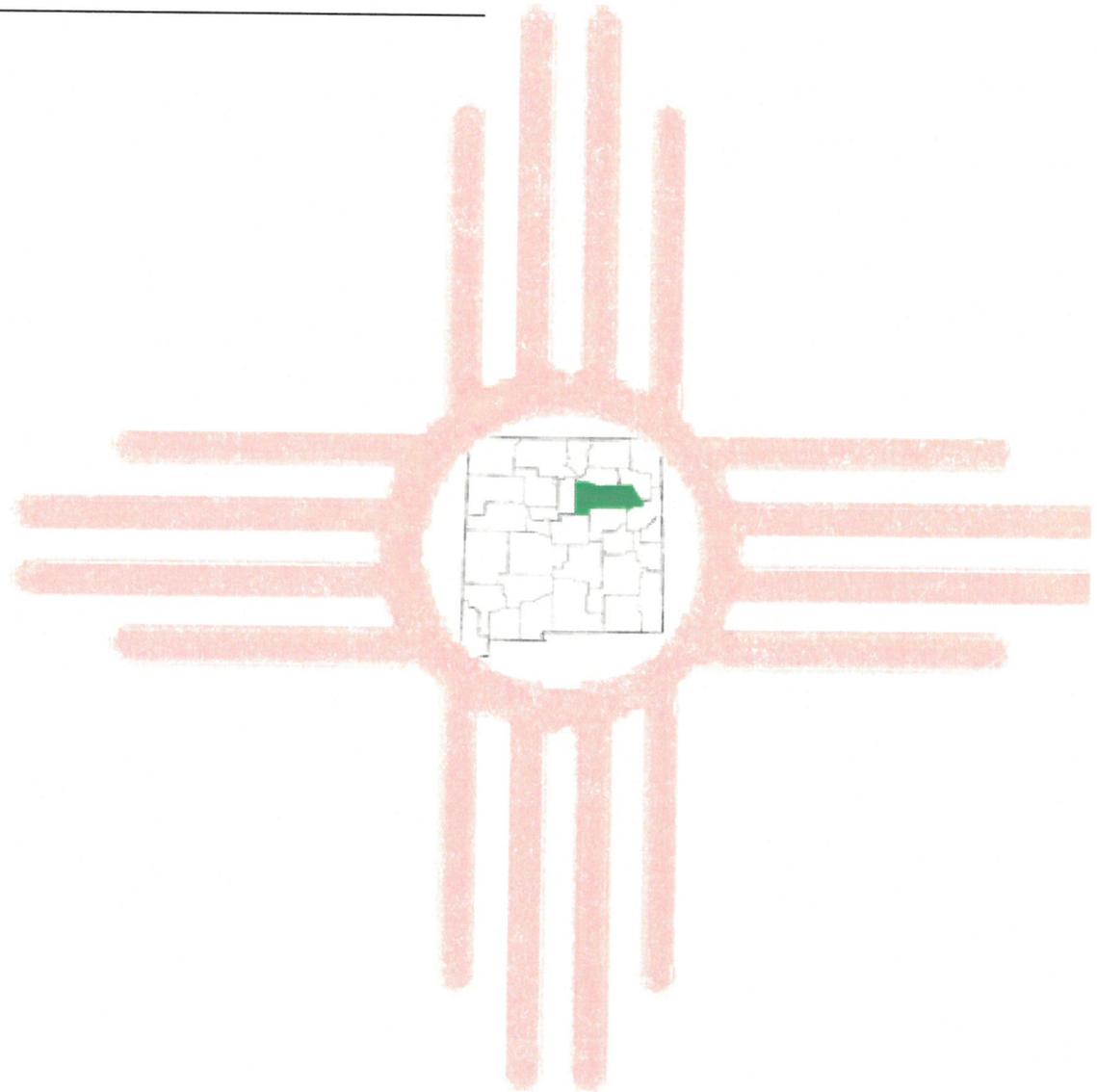


Board of County Commissioners

Adjournment

Motion made by Commissioner Macario Gonzales to adjourn meeting at 3:39 P.M., Second by Commissioner Eva Artschwager. Motion Carried.

Approved by





San Miguel County Planning & Zoning

TYPE OF APPLICATION: File Number : CU-0265 Resolution : 03152022-P&Z	
<u>Petitioners/Applicants</u> Greg & Rosalie Martinez 312 Harlan Drive Las Vegas, NM 87701	<u>Current Property Owners</u> Greg & Rosalie Martinez 312 Harlan Drive Las Vegas, NM 87701
<u>Name of Engineer</u>	Soliel West
<u>Name of Contractor</u>	Magnum Builders – will need to obtain a business license with San Miguel County (SMC) to operate; currently not licensed with SMC
<u>Intended Land Use</u>	Development of a day care learning center

SITE INFORMATION	
<u>Location:</u>	68 NM HWY 518 <ul style="list-style-type: none"> Going North on NM HWY 518, a tract of land on the right-hand side, approximately 0.6 of a mile from Tractor Supply; Corner parcel of Harlan Road and NM Hwy 518
<u>Legal Summary</u>	S: 2 T: 16 R: 16 TRACT A - 55 Acres
<u>Site of Acreage</u>	Five (5) acres being used of approximately a 55 acre parcel Tract A per applicant
<u>SMC Tax Parcel #</u>	1-095-096-332-050 INCLUDES 1-095-096-040-040
<u>Account#</u>	R0655506
<u>Current Land Use</u>	Agricultural
<u>Current Land Structures</u>	<ul style="list-style-type: none"> An unusable residential home to be demolished prior to completion of project; if not to be demolished, land division will have to take place, along with proper fencing to distinguish

	property uses.
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ADJACENT PROPERTY ZONING and CURRENT LAND USE	
<u>North</u>	0100 Residential Land, 0200 Non-Residential Land
<u>East</u>	0400 Agricultural –Tract B is currently in the care of Greg & Rosalie Martinez; owner Gilbert Pino; under contract for purchase by Martinez
<u>South</u>	0100 Residential Land – Glenwood Estates Subdivision
<u>West</u>	New Mexico State Hwy 518

UTILITIES WITHIN PROXIMITY OF SITE/PUBLIC SAFETY	
<u>Water</u>	A Water Tap will be obtained as needed; preliminarily approved by the City of Las Vegas, Travis Hern, Water Dist. Manager on 01-11-2022
<u>Sewer</u>	No city sewer is available in this area, therefore, applicants have decided to install a 2000 feet gallon tank with 100’ leach field, preliminarily approved by Kandee Gallegos, from the NM Environment Department on 01-11-2022
<u>Gas</u>	If available, city natural gas, otherwise alternative will be propane.
<u>Solid Waste</u>	Applicant prefers city trash pickup services to be utilized; also has the option to use county services.
<u>Electricity</u>	PNM
<u>Cable</u>	Comcast
<u>Telephone</u>	Century Link
<u>Internet</u>	Century Link
<u>Public Safety</u>	Fire Protection: Gallinas Fire Department,. Police Protection: State Police, San Miguel County Sheriff Department

GENERAL PLAN CONFORMANCE	
<u>Land Use Designation</u>	AGRICULTURAL –Section 4104 of the ETZ Ordinance designates agricultural land use for farms, farm residences, livestock ranching and other agricultural uses.
<u>Intended Use Interpretation:</u>	INSTITUTIONAL: Due to size of daycare of approximately

ETZ Section 4106 – Recreational, Institutional and Special Residential Uses (Option B)	75 students, approximately 6,000 square feet
<u>Proposed Land Use Designation</u>	Commercial Use – Day Care Learning Center
<u>Conditional Use Permit Defined</u>	Implemented when use may have a special impact or uniqueness such that their effect on the surrounding environment cannot be determined in advance of the use being proposed for a particular location.
<u>Conditional Use Permit Implemented</u>	CONDITIONAL USE: As provided under San Miguel County Ordinance 86-2, Section 3620(B) and Section 5150- Day Care, Nurseries and Pre-Schools, ETZ Ord. C-2 Institutional

<u>Area Regulations</u> ETZ Section 4302 – Table of Land Use Intensity Class Standards	<ul style="list-style-type: none"> • N/A for Institutional • Standard-1 acre for single family parcel • Development will take place on 5 acres of a 55 acre parcel
<u>Setback Requirement:</u> ETZ Ordinance- Section 5200	Standard setback from property line – Front & Rear- 20’, Sides-7’- Applicant stated proposed building to be 60’ from property line adjacent to NM HWY 518
<u>Street Access :</u> SMC Land Use Ordinance Section 4500 Section B (b) – Design of Street Access Points Shall not be less than 20 feet not more than 30 feet unless separated by a median which the width can be increased to 35 feet.	Per applicant, both the entrance and exit of the proposed development is 20 feet wide.
<u>Clearview of Intersecting Streets:</u> ETZ Ord. Section 4700- Triangular area of clear vision between two intersecting streets	<ul style="list-style-type: none"> • NM HWY 518 & Harlan Road • Site plan appears to exceed the minimum required 30 foot setback from intersecting point.

<p>Proposed Building: ETZ Ordinance Section 4302: 30 foot maximum height</p>	<p>A 6,000 sq. ft. metal building with 10' walls and 3' overhang.</p>
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Specific Use Limitations Applicable: SMC Land Use Ordinance Section 5150 Day Care, Nurseries and Pre-Schools	
<p><u>Required Licenses:</u> Must have all state licenses and county business license.</p>	<ul style="list-style-type: none"> • Applicant currently operates as a day care center located on 1121 San Francisco Street in Las Vegas, NM and is properly licensed. • Applicant will be required to apply for a county business license and maintain annual renewals if approved.
<p><u>Buffer:</u> <u>ETZ Section 4300: Land Use Intensity Classifications and Bufferyards</u> <u>SMC Land Use Ordinance-Section 4550-Screening & Buffer Fences</u></p>	<ul style="list-style-type: none"> • Required in the ETZ zone between different land uses. • Required fencing of five (5) acres to temper possible adverse impacts between incompatible adjacent land uses; due to close location of Hwy 518 and Harlan Road; high speed of traffic in large numbers • Fencing must be 20 foot setback from property line, 6' foot to 10' foot high; any fencing over 6' will require Construction Industry Division (CID) permitting.
<p><u>Outdoor Play Areas:</u> Any outdoor play area shall be appropriately fenced in to prevent children from wandering off the premises.</p>	<ul style="list-style-type: none"> • Applicant has proposed two separate outdoor play areas. • One is on the north side of the building measuring at 1,200 square feet • The other outdoor play area is at the south side of the building measuring at 2,000 square feet.

	<ul style="list-style-type: none"> • Both outdoor play areas will be include white 6' vinyl fencing and consist of 8" of sand with artificial turf on top. • Each playground will have a marked emergency exit gate for fire escape.
<p>Sign Regulations (Section D): A sign attached to a building or wall does not protrude more than four and one-half (4 ½) feet from the wall of the building and not lower than 8 feet from the ground.</p>	<ul style="list-style-type: none"> • Applicant plans to put an unilluminated sign of 3' x 15' (45 sq. ft.) unilluminated sign on the front side of the building wall • No size regulation is required on the building per ETZ ordinance. • Standard size is approximately 25 feet.
<p>Off Street Parking: ETZ Ordinance Section 5500- One (1) parking space per employee and one (1) parking/loading space for every six children</p>	<p>Approximately 15 employees = 15 parking spaces Approximately 75 students = 13 parking spaces</p> <hr style="border-top: 1px dashed black;"/> <p style="text-align: center;">Minimum of 28 regular parking spaces</p> <ul style="list-style-type: none"> • All proper paving and striping will be required. • Applicant also proposed over flow parking of 8 additional parking spaces to prevent any traffic overflow on to NM HWY 518.
<p>Entrance/Exit: ETZ Ord: Sect 5500, Section C (4) (unidirectional entrances-minimum of 14 feet)</p>	<ul style="list-style-type: none"> • Applicant has proposed 20 foot entrances and exits, each with a 2' x 6' entrance sign. • Exit does have an existing cattle guard.
<p>Lighting ETZ Ord: Section 550, Section C (9) Any lights provided to illuminate any parking area shall be so arranged as to reflect the</p>	<ul style="list-style-type: none"> • Parking lot lighting will consist of 4 parking lot lights at 11' foot high 150 watt LED, face down, away from residential areas and surrounding parcels.

light away from any lot upon which a dwelling unit is located.	
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<p><u>Handicap Parking:</u> ETZ Ordinance Section 5500– Off Street Parking, Section 25: One (1) space shall be designated for disabled persons in an area of fifteen (15) or more spaces of off-street parking and shall be located so as to provide the most convenient access to entranceways or curb.</p>	<p><u>Minimum of 2 handicap parking spaces</u> required additionally to a minimum of 28 regular parking spaces.</p> <p>If parking exceeds minimum, thus will be required:</p> <ul style="list-style-type: none"> • 36-50 parking spaces = min. 3 handicap parking spaces • 51-100 parking spaces = min. 4 handicap parking spaces <p>If any alterations are required to handicap parking per CYFD, those requests will supersede ETZ regulations.</p>
<p><u>Fire Vehicle Access:</u> ETZ Ordinance Section 4600-Access for Fire Vehicles and Apparatus, Section B: Every non-residential use permitted by this ordinance shall provide access for fire vehicles and emergency apparatus from a public street.</p>	<p>May need to be determined by SMC Fire Chief and/or NM State Fire Marshal’s Office; the site plan states a 75’ “No Parking” Fire lane in front of the proposed building.</p>

<u>Landscaping:</u> No new landscaping is proposed.	
<u>Flood Plain Review</u>	Pending P&Z Review
<u>Steep Slope:</u>	N/A
<u>Erosion Hazard Area:</u>	N/A
<u>Drainage:</u>	Property has irrigation access to an acequia but can be switched on or off, per applicant; located on the south east corner of the property.

<u>Storm Water Runoff:</u>	An off-site detention pond is located to the east of the building, approximately 0.25 of a mile (1320 feet) setback from the building, to be utilized for excess storm water runoff/drainage. (On site plan)
<u>Assets and Constraints:</u>	Will need to comply with any reasonable condition imposed by the county and/or agency request if needed.
<u>Any Item Waived:</u>	None
<u>Grading:</u>	Grading done prior to application with base course by Rocky Road Gravel & Construction, more information can be provided by the applicant
<u>Maximum Height:</u>	30 foot maximum
<u>Lot Width:</u>	1,294 feet = Approximately a quarter of a mile wide
<u>Fire Vehicle Access:</u>	May need to be determined by Fire Chief and/or NM State Fire Marshal's Office; the site plan states a 75' "No Parking" Fire lane in front of the proposed building.
<u>Cultural, Historic or Archaeological:</u>	None

Public Notices	
APPLICATION FILING DATE	Issues 01-18-2022, Accepted 02-15-2022
P&Z MEETING	March 15, 2022 at 2:00 p.m.
PUBLICATION NOTICE OF P&Z MEETING	March 1, SMC Website March 4, Las Vegas Optic
PUBLIC NOTICE MAILING LIST	Done per 100 ft. property line and any others that may be affected
PUBLIC NOTICE SIGN	Placed on

Sent for Review to the following departments and agencies for comment on Friday, 02-25-2022:	
Agency & Contact(s)	Response & Date Received
SMC Planning & Zoning Division	Ongoing

<p>Amanda C. Salas, Planning & Zoning Director asalas@co.sanmiguel.nm.us</p>	<ul style="list-style-type: none"> • Appropriate fencing will need to occur from both HWY 518, Harlan Road and the detention pond for child safety; the requested 5 acres will need to be split from the 55 acre parcel for commercial zoning as that is the amount that would be approved for the business; applicant has a surveyor at this time to get this taken care of, Winston & Associates. • All county and state agency requirements will need to be accommodated.
<p>SMC Planning & Zoning Division Feliciano "Felix" Chavez, Land Use Compliance Specialist fchavez@co.sanmiguel.nm.us</p>	<p>Received on 2-28-2022</p> <ul style="list-style-type: none"> • A barn and hayshed were demolished on the property recently by Rocky Road Gravel & Will-Drilling without the proper permitting as required per the county; at no fault of the applicant • The future demolition will require a demolition permit, no exception. • A development permit will be required for building purposes. • Provided a development permit and demotion permit for applicants if approved to proceed.
<p>SMC Public Works Division Gerald Garcia, Public Works Director ggarcia@co.sanmiguel.nm.us</p>	<p>Received on 3-4-2022</p> <ul style="list-style-type: none"> • Has no concerns as the entrance to the daycare entrance is proposed off of NM HWY 518 • There would be concerns if Harlan Road was the primary interest since it is a county road; would increase traffic, increase dust for air quality

<p>SMC Fire Division Chief Andrew Duran, SMC Fire Chief aduran@co.sanmiguel.nm.us</p>	<p>Received on 2-28-2021</p> <ul style="list-style-type: none"> • Issued general comments regarding fire access road, fire alarms, exit and emergency lighting, fire extinguishers and commercial hood systems to best of knowledge since unable to print actual size of drawings. • Requires all fire alarm shop drawings and plans to be submitted for review and approval prior to operation if approved.
<p>SMC County Assessor's Office Connie Gallegos, County Assessor cgallegos@co.sanmiguel.nm.us Gina Vigil, Deputy County Assessor gvigil@co.sanmiguel.nm.us</p>	<p>Received on 03-04-2022, Connie Gallegos</p> <ul style="list-style-type: none"> • No objections • Will be assessed as a business • Any construction completed will be assessed for the following year of construction, and the business will need to render for that year of operations as well.
<p>NM Environment Department Kandee Gallegos, Environmental Scientist Candelaria.gallegos@state.nm.us</p>	<p>Preliminarily approved on 01-11-2022;</p> <ul style="list-style-type: none"> • Stated will need to place a 2000 gallon septic tank with 100' leach field; will be subject for all necessary permitting <p>P&Z Submittal—Received 03-01-2022;</p> <ul style="list-style-type: none"> • Changes occurred; Ms. Gallegos stated that a 2,000 gallon tank and a 430 foot of trench for pipe and gravel; if infiltrators are chosen, 139 units will be needed
<p>NM Department of Transportation Veronica Lovato-Lerma, District Traffic</p>	<p>Received on 3-4-2022, Veronica Lovato-Lerma</p>

<p>Engineer 505-617-6864 Veronicar.lovatoler@state.nm.us Gabriel Lucero, Assistant District Engineer Gabrielm.lucero@state.nm.us</p>	<ul style="list-style-type: none"> • Will require a commercial driveway permit application to acquire public right-of-way to NM HWY 518 • Provided applications, requirements and state statutes to be provided to the applicant
<p>Department of Cultural Affairs Historic Preservation Division Geoff Cunnar, PhD RPA Staff Archaeologist Geoff.Cunnar@state.nm.us</p>	<p>Received on 3-3-2022</p> <ul style="list-style-type: none"> • In 1980, the land was surveyed for cultural resources and there were no known in that area. • There will be no adverse effect to historic resources.
<p>City of Las Vegas Planning & Zoning Maria Perea, Planning & Zoning Coordinator mariaperea@lasvegasnm.gov</p>	<p>Received on 02-28-2022</p> <ul style="list-style-type: none"> • Only thing required, after final approval, is an address request for a new building so that a new account can be set up for Utilities services/Solid Waste. • No objections.
<p>City of Las Vegas Water Department Travis Hern, Water Dist. Manager thern@lasvegasnm.gov</p>	<p>Preliminarily approved on 01-11-2022; water tap necessary for operation</p>
<p>City of Las Vegas Solid Waste Maria Gilvarry, Utilities Director gilvarrym@lasvegasnm.gov</p>	<p>Preliminarily approved on 01-11-2022; number of containers will be determined by Solid Waste upon approval</p>
<p>Dennis J. Esquibel San Miguel County/City of Las Vegas Office of Emergency Management desquibel@co.sanmiguel.nm.us</p>	<p>Received 3-7-2022</p> <ul style="list-style-type: none"> • Only concern is the increase of traffic on NM HWY 518 and no access to Harlan Road from the property.
<p>NMDHSE/Preparedness Bureau Loretta Hatch, State Flood Plain Coordinator Loretta.Hatch@state.nm.us</p>	<p>No response</p>

APPLICATION FOR CONDITIONAL USE PERMIT

**PLANNING & ZONING DIVISION
SAN MIGUEL COUNTY ADMINISTRATION COMPLEX
500 W. NATIONAL, SUITE 203
LAS VEGAS, NEW MEXICO 87701
(505) 454-1074 Fax: (505) 454-9728
Email: pandz@co.sanmiguel.nm.us**

Application File No. CU-02165 Date Accepted: 2/15/22
Date Submitted: 01/18/22 *DR*

Name of Applicant: Rosalie Martinez

Address: 312 Harlan, Las Vegas, NM 87701

Telephone Number: (505) 459-7986

Property Interest of Applicant: _____

Name of Property Owner: Greg & Rosalie Martinez

Location of Property: HARLAN & HWY 518

Legal Description of Property: See Deed

Copy of Deed or Survey Attached: Yes No

Present Use and Character of Property: 5 Acres

Intended Use of Property: Daycare Learning Center

New Mexico Tax ID Number: CRS# 03-3301911-00-3

Applicant San Miguel County Business License: Yes No

Use of Existing Structure. Date Established: NONE

Applicant Signature: Rosalie Martinez

Date: 1/13/2022

Property Owner Signature: _____

Date: 1/13/2022

Location

Account Number R0655506

Situs Address

Tax Area 2OUT_R - 2-OUT DISTRICT RES

Folder # 192

Parcel Number 1-095-096-332-050

Legal Summary S: 2 T: 16 R: 16 INCLUDES 1-095-096-040-040,
TRACT A 55. AC, TRACT C 59.303 AC

Business Name

Owners

MARTINEZ GREG & ROSALIE ▼

Owner Name MARTINEZ GREG & ROSALIE

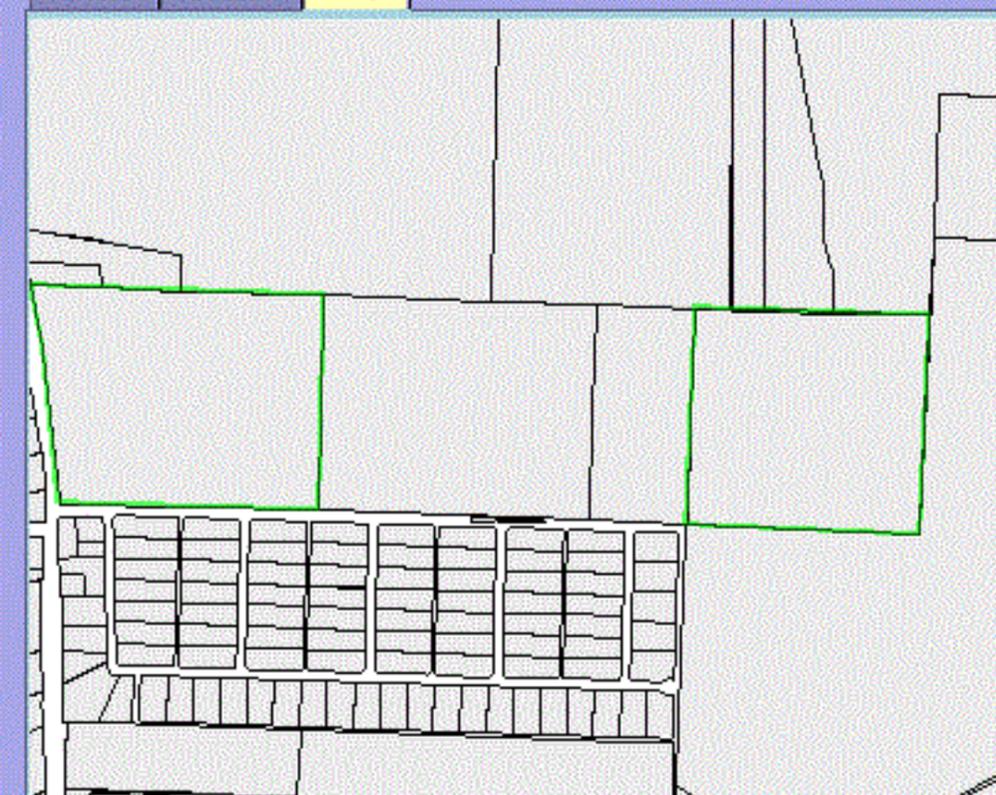
Owner Address 312 Harlan
LAS VEGAS, NM 87701

Photo/Sketch/Map

Photo

Sketch

Map



Remarks

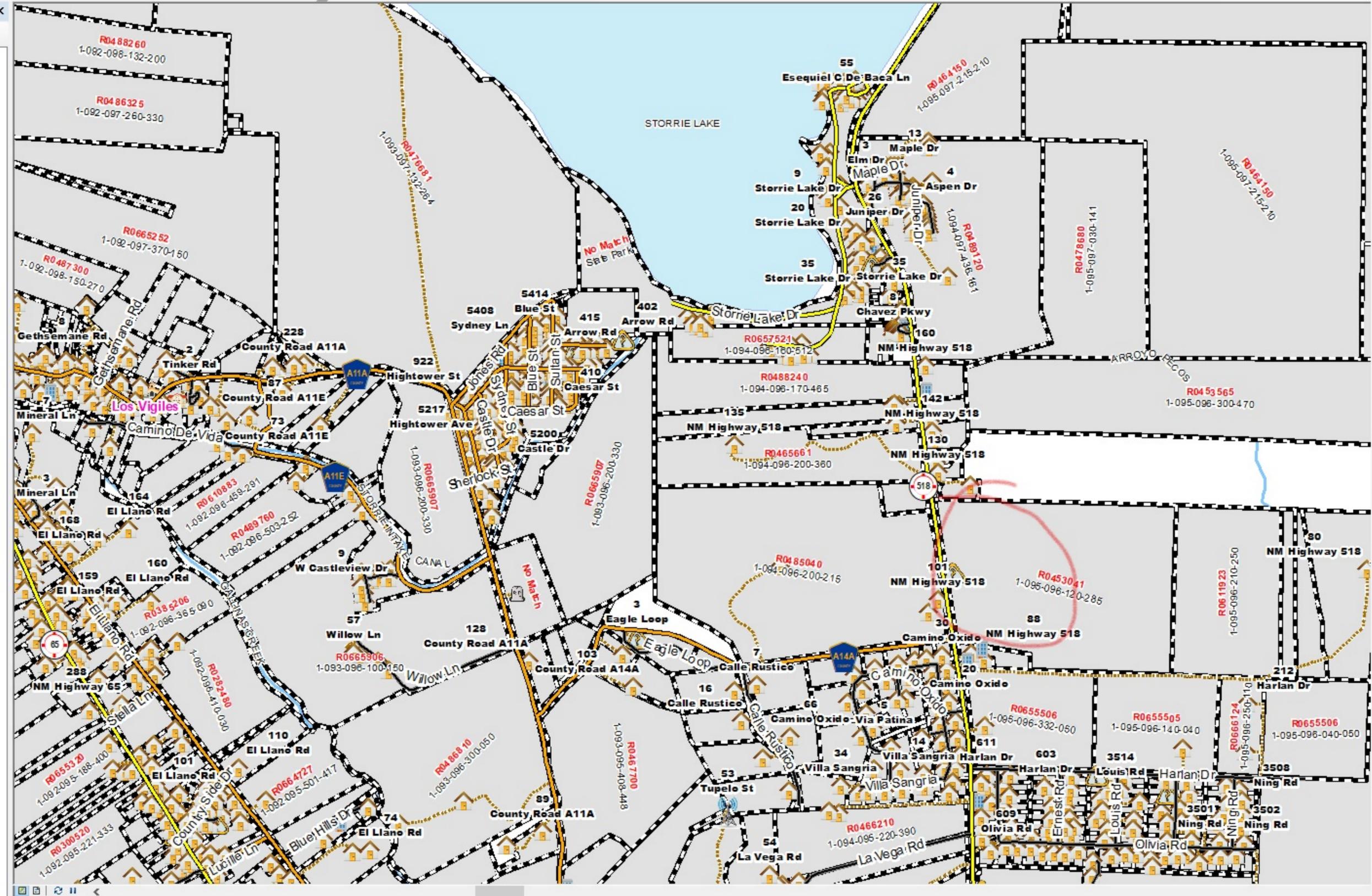
Account Remarks

- (Public) CHANGE IN FOLDER NUMBER FOR 2016 DUE TO TAX AREA CHANGE 06/28/2016
- (Private) CHANGE OF ADDRESS FOR 2002 AS PER TAXBILL RECIEVED IN TREASURER'S OFFICE CHG BY MO 6-26-02 ENTERED 01/01/2016
BY TMG 07-11-02 CHANGE OF ACREAGE & LAND VALUE FOR 2014 - DEEDED 18 ACRES TO DONALD PINO CHG BY
FG/PG 2-14-14 ENTERED BY TMG 02-14-14

Owner Remarks

- (Private) FOR 2022 CHANGE OF OWNERSHIP AS PER WARRANTY DEED ATTACHED INSTRUMENT# 202102992 8/18/2021 JMG 08/18/2021

- Layers
- Area Names
- Mile_Posts
- County Limits
- LasVegasPrecincts
- City of Las Vegas
- clv_add
- CLV_Roads
- clvBoundary
- Pecos Data
- County Roads
- County Addresses
- RailRoad
- Assessor Parcels
- Water
- Commissioner_Districts
- SMCPrecincts2011
- SWCD_20180712
- Imagery



Identify

Identify from: <Top-most layer>

- Assessor Parcels
 - Romero Clovis & Cecilia R0488240 1-094-096-170-465

Location: 105°14'6.222"W 35°39'1.353"N

Field	Value
Acres_t	49.5
Address1_t	Po Box 1862
Address2_t	
Block_t	
By_plat	
City_t	Ranchos De Taos
CreatedBy	DHERNANDEZ
CreatedOn	9/12/2019
EditedBy	DHERNANDEZ
EditedOn	9/12/2019
GIS_Notes	
ID_Code	R0488240
inCareOf_t	
Lot_t	
Owner_t	Romero Clovis & Cecilia
Parcel_ID	1-094-096-170-465
Plat_Bk	
ReAppraisa	
Shape_Area	2133085.323435
Shape_Length	8827.206663
Situs_t	
State_t	NM
Value_t	2228
Zip_t	87557





518

HWY 518

Santa Fe Trl

Camino Oxido

Villa Sangria

Grump St

815 Hwy

Ernest Rd

Seedman Dr

Louis Rd

Ollivia Rd

Seedman Rd

Harlan Dr

Ning Rd

Las Vegas Blvd



Streets

SAN MIGUEL COUNTY
UNINCORPORATED AREAS
350132

35047C0500D
eff. 12/3/2010

Zone A



HARLAN DR









Kiddie Kampus Korner DayKare Center

1121 San Francisco Street,
Las Vegas, New Mexico 87701
(505) 429 7986

Rosalie Martinez, Director/Owner

Carlos J. Martinez, Director of Operation & Admission

San Miguel County Planning and Zoning

RECEIVED
JAN 12 2022

Name of Daycare: Kiddie Kampus Korner Daykare Center
Times of Operation: 7:00 a.m. - 7:00 p.m. Monday - Saturday
Employees: 15
Students: 75

NM CR	See Attached	Survey of Property	See Attached
FED ID	See Attached	Warranty Deed	See Attached
Daycare License	See Attached	Site Plan	See Attached
CPR Certificates	See Attached		

Septic System: 2000-gallon tank
100' leach field
Environment Department
Approval by: Kandee Gellejos
PRINT
Kandee Gellejos
SIGNATURE
01/11/2022
DATE

Water Plan: City of Las Vegas Water
Approval by: Travis Hern, water Dist. Manager
PRINT
[Signature]
SIGNATURE
01-11-2022
DATE

Solid Waste: City of Las Vegas Solid Waste *Number of containers to be determined by S.W.D.*
Approval by: Maria Gilvarey, Utilities Director
PRINT
[Signature]
SIGNATURE
01-11-2022
DATE



RECEIVED

Stephanie Schardin Clarke
Cabinet Secretary

JAN 12 2022

ROSALIE MARTINEZ
ROSALIE MARTINEZ
1206 2ND ST
LAS VEGAS, NM 87701-4413

July 4, 2021
NM Business Tax ID:
03-330191-00-3
Letter ID: L0228926896

**STATE OF NEW MEXICO TAXATION AND REVENUE DEPARTMENT
REGISTRATION CERTIFICATE**

Date ID Issued 01-Sep-2015	IDENTIFICATION NUMBER 03330191003-GRT	Business Start Date 01-Sep-2015
Business Location 1206 2ND ST	Business End Date	
City and State LAS VEGAS, NM	Zip Code 87701-4413	
Taxpayer Name ROSALIE MARTINEZ	Taxpayer Type PROPRIETOR	
Firm Name ROSALIE MARTINEZ	Filing Frequency Monthly	
Mailing Address 1206 2ND ST		
City and State LAS VEGAS, NM	Zip Code 87701-4413	

This Registration Certificate is issued pursuant to Section 7-1-12 NMSA 1978 for Gross Receipts, County Gross Receipts, and Municipal Gross Receipts Taxes. This copy must be displayed conspicuously in the place of business. Any purchaser of the registrants business is subject to certain requirements under Section 7-1-61 NMSA 1978.

Cabinet Secretary

By 

Any inquiries concerning your Identification Number should be addressed to the Audit & Compliance Division, P.O. Box 630, Santa Fe, New Mexico 87504-0630

Form Revised 02/2003

THIS CERTIFICATE IS NOT TRANSFERABLE

**STATE OF NEW MEXICO TAXATION AND REVENUE DEPARTMENT
REGISTRATION CERTIFICATE**

Date ID Issued 01-Sep-2015	IDENTIFICATION NUMBER 03330191003-GRT	Business Start Date 01-Sep-2015
Business Location 1206 2ND ST	Business End Date	
City and State LAS VEGAS, NM	Zip Code 87701-4413	
Taxpayer Name ROSALIE MARTINEZ	Taxpayer Type PROPRIETOR	
Firm Name ROSALIE MARTINEZ	Filing Frequency Monthly	
Mailing Address 1206 2ND ST		
City and State LAS VEGAS, NM	Zip Code 87701-4413	

This Registration Certificate is issued pursuant to Section 7-1-12 NMSA 1978 for Gross Receipts, County Gross Receipts, and Municipal Gross Receipts Taxes. This copy must be displayed conspicuously in the place of business. Any purchaser of the registrants business is subject to certain requirements under Section 7-1-61 NMSA 1978.

Cabinet Secretary

By 

Any inquiries concerning your Identification Number should be addressed to the Audit & Compliance Division, P.O. Box 630, Santa Fe, New Mexico 87504-0630

Form Revised 02/2003

THIS CERTIFICATE IS NOT TRANSFERABLE

Kiddie Kampus Korner DayKare Center

1121 San Francisco Street,
Las Vegas, New Mexico 87701
(505) 429 7986

Rosalie Martinez, Director/Owner

Carlos J. Martinez, Director of Operation & Admission

RECEIVED

JAN 12 2022

San Miguel County Planning and Zoning

FEDERAL EMPLOYER IDENTIFICATION NUMBER: 81-1658981

FORM: SS-4

ROSALIE M. MARTINEZ

dba: Kiddie Kampus Korner Daykare Center



THREE STARS

RECEIVED

JAN 12 2022



Early Childhood Education & Care Department

OPERATOR'S LICENSE

This is to certify that

Kiddie Kampus Korner DayKare Center

is hereby awarded a licensure under the above name and in the location of

Kiddie Kampus Korner DayKare Center

Elisha Gross

ECECD Cabinet Secretary

June 8, 2021

Date



NEW MEXICO

Early Childhood
Education & Care Department

License Number: FP4002767

Capacity: 43 Over 2/ 19 Under 2

Playground Capacity: 48

Issue Date: 04/20/2021

Expiration Date: 04/19/2022

Director: ROSALIE MARTINEZ

Kiddie Kampus Korner DayKare Center
1121 SAN FRANCISCO ST
Las Vegas, New Mexico 87701
(505) 429-7986



• NON-TRANSFERABLE •
The authority to operate a health facility granted hereunder shall not be transferred

RECEIVED

JAN 12 2022

CITY OF LAS VEGAS, NEW MEXICO

BUSINESS LICENSE/REGISTRATION

BUSINESS: KIDDIE KAMPUS KORNER DAY KARE

LIC. # 3573

ADDRESS: LAS VEGAS, NEW MEXICO 87701

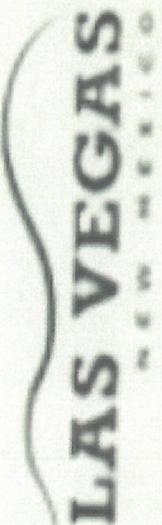
2020

2021

APPROVED

COMMUNITY DEVELOPMENT

BUSINESS OWNER



Tonita Gurulé-Girón

Tonita Gurulé-Girón
MAYOR

Old Trails, New Adventures



New Mexico Environment Department
Environmental Health Bureau

RECEIVED

JAN 12 2022

Permit to Operate

Owner Name: Rosalie Martinez
Facility Name: Kiddie Kampus Korner DayKare Center
Location: 1121 12th Street Las Vegas, NM 87701
Permit Type: Food Retail Permit - Day Care
Permit Number: 006304

Failure to maintain and operate the facility in compliance with the applicable State Regulations may result in suspension or revocation of this permit by an authorized representative of this Department.

Date Issued: February 01, 2021

Date of Expiration: January 31, 2022



Authorizing Official
NMED

*This permit shall be renewed annually, but is not transferable to another individual, establishment, or location.
This permit must be displayed in conspicuous place.*



A1608873

CPR/AED: Adult, Child, Infant
+ Standard First Aid (BLS)

Rosalie Martinez

This card certifies that the above individual has successfully completed the requirements in accordance with American Health Care Academy's curriculum.

06/01/2020
Issue Date

06/01/2022
Renewal Date

Instructor Signature

Holder's Signature

Call **911** in case of a medical emergency
Call 1-800-222-1222 in a poison emergency
For CPR/AED or First Aid training information
call 1-888-277-7865 or visit cpraedcourse.com

American Health Care Academy
Renewal Recommended every 2 years

NMLT 61170

(2)

WARRANTY DEED

Gilbert Pino, a single man, for consideration paid, grant to Greg Martinez and Rosalie Martinez, husband and wife whose address is 312 HOZIAN LAS VEGAS, MN 5701 the following described real estate in San Miguel County, New Mexico:

A tract of land containing 42.4672 acres, more or less, located within the Las Vegas Land Grant, north of the City of Las Vegas, San Miguel County, New Mexico, projected Section 2, Township 16 North, Range 16 East, NMPM, San Miguel County, New Mexico, as shown on Boundary Survey, prepared by Winston & Associates, LLC, as Plat No. 020-042, filed for record in the Office of the San Miguel County Clerk, on June 9, 2021, in Plat Book 79, page 75.

AND

A tract of land containing 54.184 acres, more or less, located within the Las Vegas Land Grant, north of the City of Las Vegas, San Miguel County, New Mexico, projected Section 2, 3, 10, and 11, Township 16 North, Range 16 East, NMPM, San Miguel County, New Mexico, as shown on Boundary Survey, prepared by Winston & Associates, LLC, as Plat No. 021-076, filed for record in the Office of the San Miguel County Clerk, on July 29, 2021, in Plat Book 79, page 97.

The reference to acreage is for tract identification only and is not to be construed as any part of the coverage afforded by this policy.

SUBJECT TO: Restrictions, Reservations and Easements of record.

with warranty covenants.

Witness my hand(s) and seal this August 5, 2021



Gilbert Pino

ACKNOWLEDGMENT FOR NATURAL PERSONS

STATE OF NEW MEXICO

COUNTY OF San Miguel

This instrument was acknowledged before me on August 5, 2021 by Gilbert Pino.

My Commission Expires: 6/25/23



Notary Public



County of San Miguel WARRANTY DEED
State of New Mexico Pages: 1

I Hereby Certify that this Instrument was filed for record 08/06/2021 01:56:00 PM and was duly recorded as Instrument No. 202102992 of the Records of San Miguel County, NM.

Witness My Hand and Seal Of Office
Geraldine E. Gutierrez

Deputy Arlene Ortiz by 26
County Clerk, San Miguel, NM



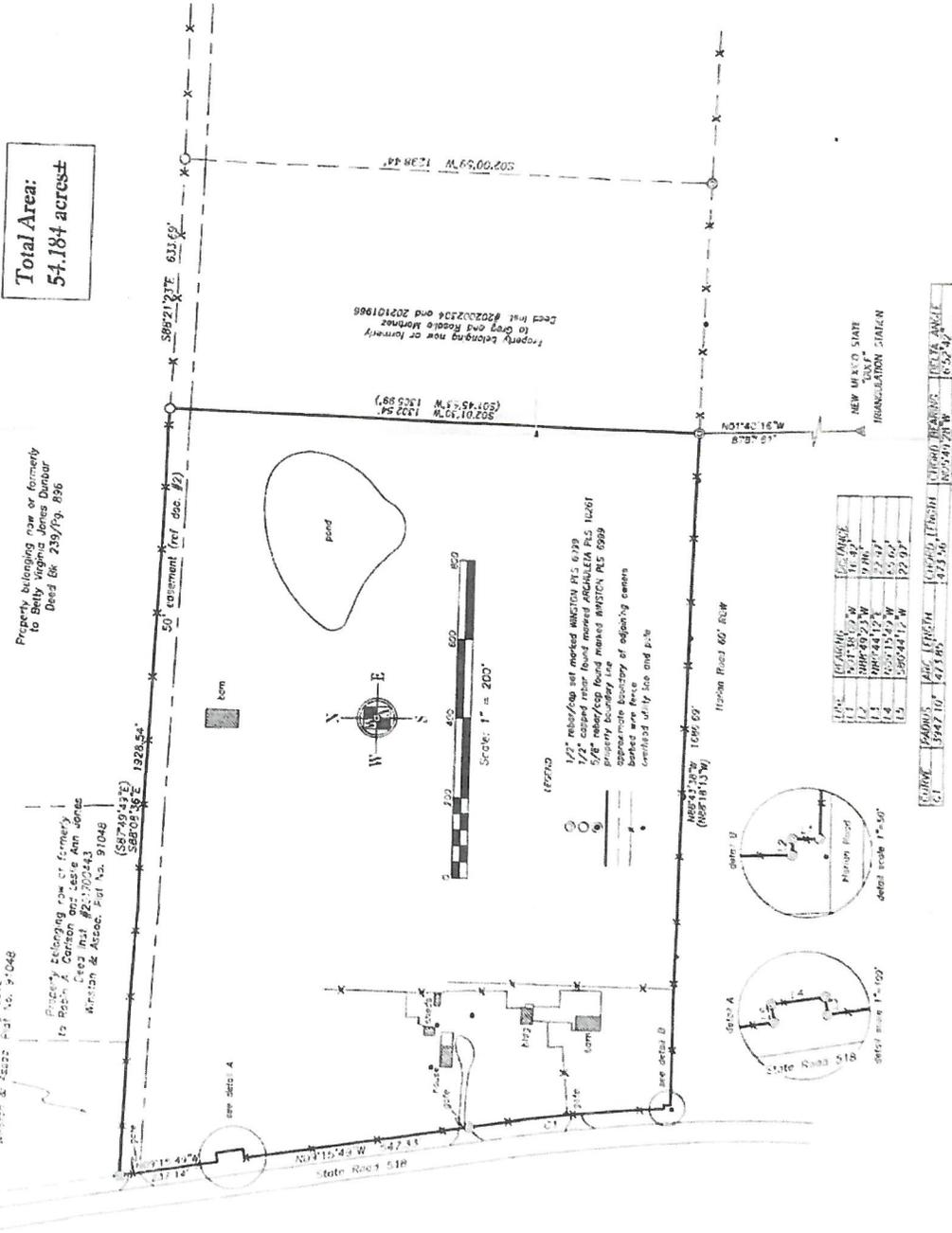
BOUNDARY SURVEY OF PROPERTY BELONGING NOW OR FORMERLY TO GILBERT M. PINO, BEING TRACT A LOCATED WITHIN THE LAS VEGAS LAND GRANT, NORTH OF THE CITY OF LAS VEGAS, SAN MIGUEL COUNTY, NEW MEXICO, PROJECTED SECTIONS 2, 3, 10 & 11, TOWNSHIP 16 NORTH, RANGE 16 EAST, NMPM

Property belonging now or formerly to Ben and Ruth Ann Wilson
Deed Bk 227, Pg 3372
A-1117 & 1522 F-21 No. 9-048

Property belonging now or formerly to Rich A. Carlson and Cassie Ann Jones
Deed Bk #2-170243
Kitchin & Assoc. Est. No. 91048

Property belonging now or formerly to Betty Virginia Jones Dunbar
Deed Bk 239, Pg. 836

**Total Area:
54.184 acres**



LINE	BEARING	DISTANCE
1	S 87° 45' 53" W	11.42'
2	S 87° 45' 53" W	9.16'
3	S 87° 45' 53" W	5.47'
4	S 87° 45' 53" W	5.47'
5	S 87° 45' 53" W	22.97'

COLOR	AREA (SQ. FEET)	PERCENT TOTAL AREA
1	3947.10	7.29%
2	473.56	0.87%

- REMARKS:**
- The corners of the land were found to be in accordance with the records of the survey.
 - The survey was made in accordance with the rules and regulations of the State of New Mexico.
 - The survey was made in accordance with the rules and regulations of the State of New Mexico.
 - The survey was made in accordance with the rules and regulations of the State of New Mexico.

- REFERENCES:**
- Survey plat filed with the County Clerk of San Miguel County, New Mexico, on July 12, 1988, in the office of the County Clerk.
 - Abstract (608 in instrument) on file in the Public Survey Company of New Mexico dated April 10, 2011 and recorded in the County Clerk's Office, San Miguel County, New Mexico.
 - Abstract (608 in instrument) on file in the County Clerk's Office, San Miguel County, New Mexico.



DECLARATION

I, the undersigned, being a duly licensed Surveyor in the State of New Mexico, do hereby certify that I am the author of the foregoing plat and that I am a duly licensed Surveyor in the State of New Mexico.

Gilbert M. Pino
Surveyor

DATE: 7/28/2021



003376

FILED IN MY OFFICE AT 9:56 AM ON DATE 7-29-2021

COUNTY CLERK AND RECORDER SAN MIGUEL COUNTY

BY: *Gilbert M. Pino*

SEAL: *Gilbert M. Pino*

BOOK 79 PAGE 97

INDIAN ANCESTRY: []

Section 2, 3, 10 and 11, Township 16 North, Range 16 East, NMPM (Reference to the Las Vegas Land Grant)

Section Number: 1-100-000-04-040

BOUNDARY SURVEY

DATE: July 2021

DRAWN BY: TM

PREPARED BY: []

PINO/MARTINEZ

Prepared by: WINSTON & ASSOCIATES, LLC
P.O. Box 1300, Bristow, Oklahoma 74804
Phone: (581) 423-7777

PS&T # 021 076



Kiddie Kampus Korner DayKare Center

1121 San Francisco Street, Las Vegas, NM 87701

Rosalie Martinez, Owner

(505) 429 7986

San Miguel County Planning and Zoning Written Statement

The building will be a 6,000 sq. ft. metal building with 10' walls and 3' overhang. Building will be engineered for snow and wind loads for the area. Drainage will be to the east side where an existing pond exists and will work as a catch all. Playgrounds will be on North and South side of the building with 8" of sand and artificial turf on top of the sand. Fence for playgrounds will be white 6' vinyl fencing with wind reinforcement corner posts. Each playground will have a marked emergency exit gate for fire escape. Playground equipment will be commercial grade and age appropriate certified. The parking lot and driveway will be asphalt and the sidewalks and loading docks will be concrete as well.

The structure, parking lot and playgrounds will utilize 5 acres of land next to 518. All areas will be appropriately graded, fenced and marked. A non-illuminated sign will be attached to the building. Entryways and exits will be appropriately marked. Fire lanes will be identified with signage and curb paint. Handicapped parking areas will be identified with signage and proper parking lot layouts.

Kiddie Kampus Korner DayKare Center

1121 San Francisco Street, Las Vegas, New Mexico 87701

(505) 429 7986

Rosalie Martinez, Director/Owner

Carlos J. Martinez, Director of Operation & Admission

TO: Amanda Salas, Director of Planning & Zoning
San Miguel County, Las Vegas, New Mexico

FROM: Rosalie Martinez, MSW, Director 
Kiddie Kampus Korner Daykare Center

DATE: February 8, 2022

Written description of all services the daycare facility will provide for students and why it is needed in the community include your history and experience as a daycare provider

Why are childcare facilities important?

Childcare facilities offer long-lasting social, economic and academic benefits for children and their parents. Studies have shown that children, including babies and infants from the ages of 6 months to 4 years old benefit from the daycare environment, including its quality instruction, structure and social lessons.

A childcare provider is someone who provides supervision and care for children's basic needs in a childcare facility. They perform a range of duties including creating lesson plans, instruction, dramatic play, reading, writing, learning skills and most important creating social norms with their peers. Known as an Early Child Care Teacher or Assistant.

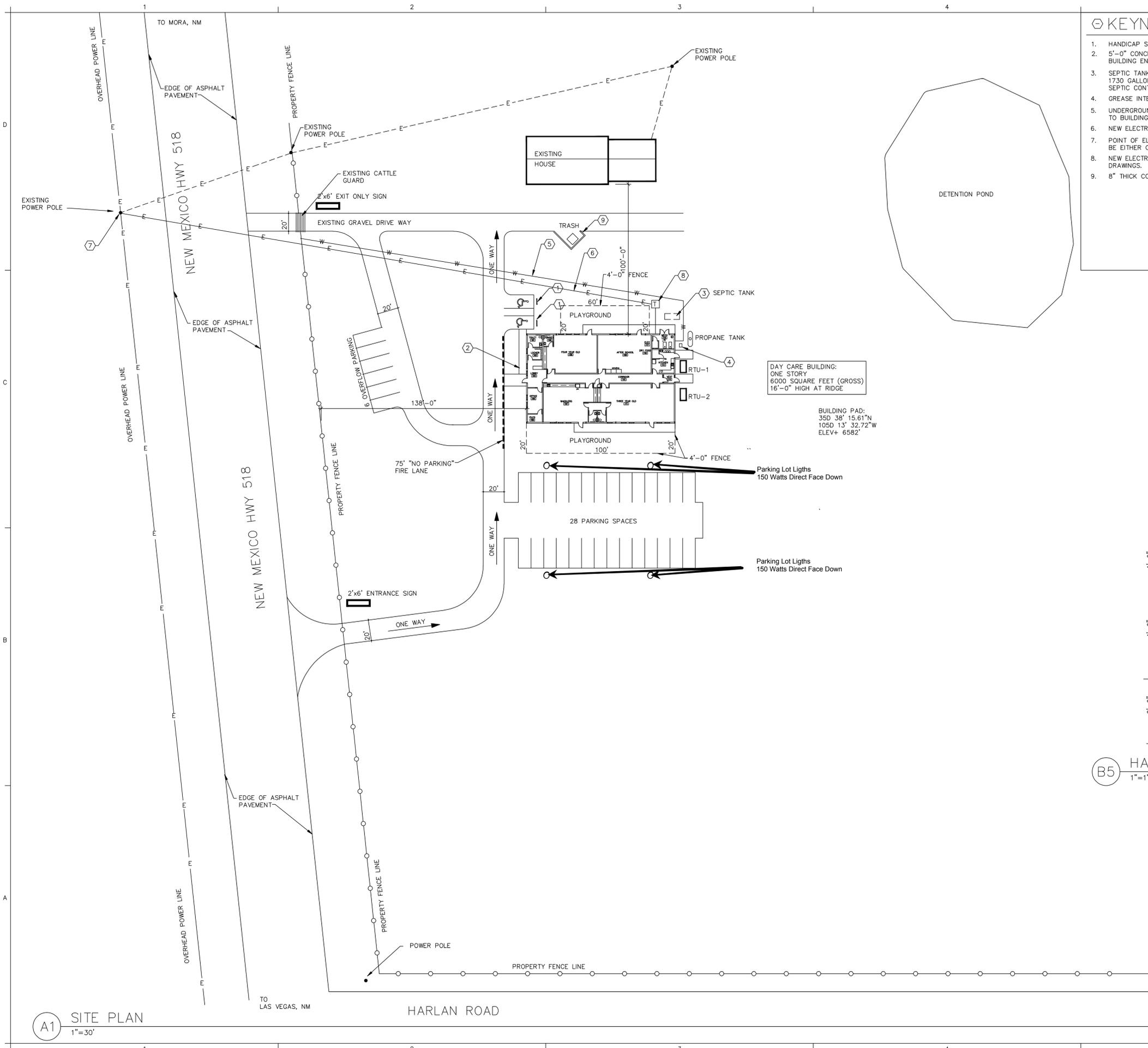
To provide a service to our working community to allow and assure our parents, grandparents and guardians a safe and nurturing educational setting that their children will be cared for. A healthy environment is what we provide where staff will strive to meet the emotional, social, and physical needs that every child is given the opportunity while under our care. Here at Kiddie Kampus we provide a service and a happy, warm and exciting environment that is inviting, comfortable, flexible, and manageable for all ages.

Child Care Plays an Important Role in Community Development?

Working parents, grandparents and guardians need a safe, reliable and most important an affordable child care provider for their most precious resource their children.

Many parents, grandparents and guardians depend on family and friends to care for their children while they work and or go to school. Research has been proven that children exposed to early childhood care in a daycare learning setting receive educational and social opportunities that state-regulated child-care centers offer.

Kiddie Korner Kampus Daykare Center is a state-certified facility that serves children ages 6 weeks through school age. Current enrollment at the center is at full capacity.

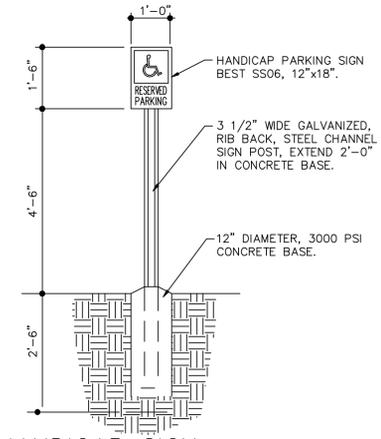


KEYNOTES

1. HANDICAP SIGN, SEE DETAIL THIS SHEET.
2. 5'-0" CONCRETE SIDEWALK, ACCESSIBLE ROUTE FROM PARKING TO BUILDING ENTRANCE.
3. SEPTIC TANK AND LEACH FIELD, SEE PLUMBING DRAWINGS. 1730 GALLONS PER DAY USAGE, PERMIT REQUIRED BY A LICENSED SEPTIC CONTRACTOR.
4. GREASE INTERCEPTOR, SEE PLUMBING DRAWINGS.
5. UNDERGROUND WATER LINE, SEE PLUMBING DRAWINGS FOR CONNECTION TO BUILDING.
6. NEW ELECTRICAL SERVICE LINE, SEE ELECTRICAL DRAWINGS.
7. POINT OF ELECTRICAL SERVICE CONNECTION. LINE TO BUILDING CAN BE EITHER OVERHEAD OR UNDERGROUND AS REQUESTED BY OWNER.
8. NEW ELECTRICAL TRANSFORMER AND CONCRETE PAD, SEE ELECTRICAL DRAWINGS.
9. 8" THICK CONCRETE MASONRY WALL ENCLOSURE FOR TRASH BIN.

DAY CARE BUILDING:
ONE STORY
6000 SQUARE FEET (GROSS)
16'-0" HIGH AT RIDGE

BUILDING PAD:
35D 38' 15.61"N
105D 13' 32.72"W
ELEV+ 6582'



B5 HANDICAP SIGN
1"=1'-0"

SOLEIL WEST
Architecture Planning Interior Design Engineering

PO BOX 23372
Albuquerque, NM 87192
tel (505) 250-3083

Conscious Design for the Environment
kevin@soleilwest.com www.soleilwest.com

Original drawings remain the property of the Architect and as such the Architect retains total ownership and control. The design represented by these drawings is sold to the client for a one time use, unless otherwise agreed upon in writing by the Architect.

CONSULTANT

PROJECT NAME

KIDDIE KAMPUS DAYKARE
312 HARLAND DRIVE
LAS VEGAS, NEW MEXICO
ROSALIE MARTINEZ, OWNER

MARK	DATE	DESCRIPTION

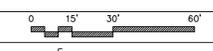
PROJECT NUMBER 2106
DRAWN BY job
CHECKED BY KRB
ISSUE DATE 10-22-2021
FILE NAME: 2106-C-101 SITE PLAN.DWG

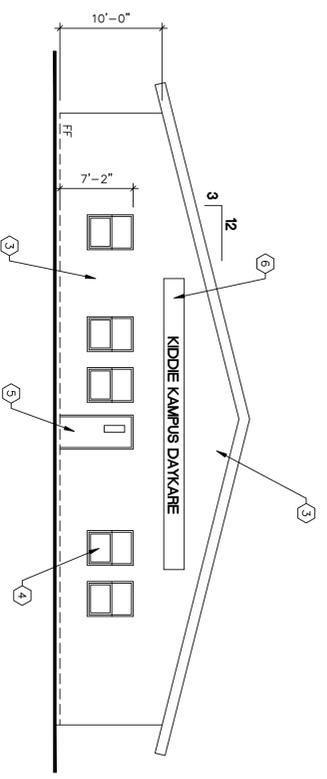
SHEET NAME

SITE PLAN

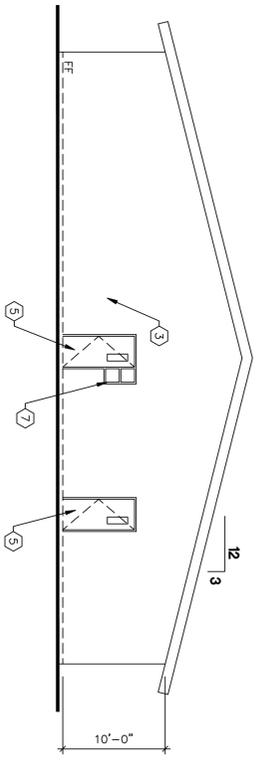
SHEET NUMBER
CZ-101

A1 SITE PLAN
1"=30'

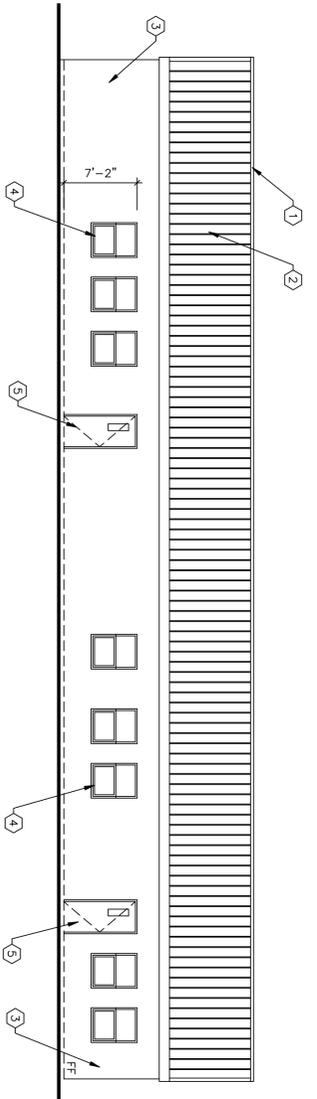




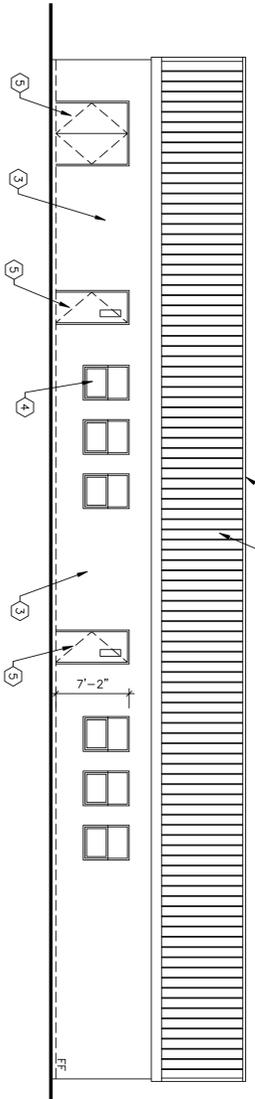
D1 WEST ELEVATION
1/8"=1'-0"



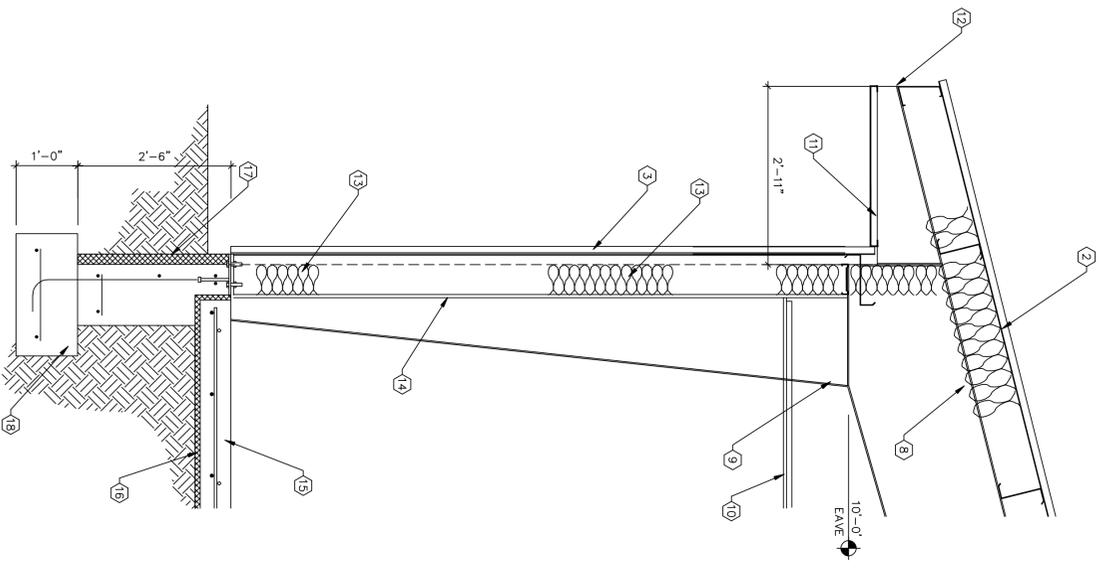
C1 EAST ELEVATION
1/8"=1'-0"



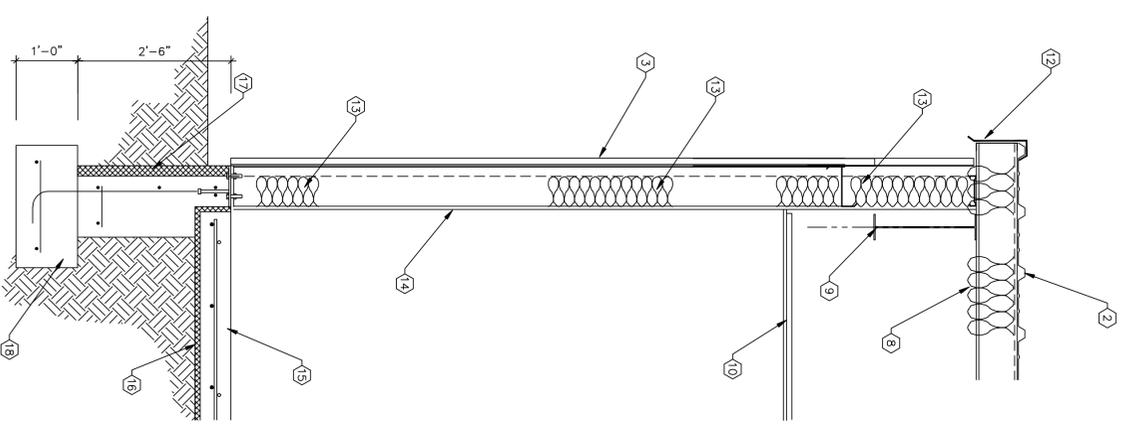
B1 SOUTH ELEVATION
1/8"=1'-0"



A1 NORTH ELEVATION
1/8"=1'-0"



A4 WALL SECTION
3/4"=1'-0"



A5 WALL SECTION
3/4"=1'-0"

KEYNOTES

1. 26 GAUGE PREFINISHED METAL RIDGE CAP.
2. 26 GAUGE PREFINISHED METAL ROOF PANELS.
3. 26 GAUGE PREFINISHED METAL WALL PANELS.
4. SINGLE HUNG ALUMINUM WINDOW 3'-4"x4'-6" W/ TINTED INSULATED GLASS.
5. 16 GAUGE HOLLOW METAL DOOR.
6. SIGN BY OWNER.
7. 1/4" TEMPERED SAFETY GLASS IN ALL DOORS.
8. R-38 SCRM FACED BATT INSULATION.
9. RIDG FRAME BY METAL BUILDING MANUFACTURER.
10. SUSPENDED ACOUSTICAL TILE CEILING AT 9'-0" AFF.
11. 26 GAUGE PREFINISHED METAL SOFFIT.
12. R-19 SCRM FACED BATT INSULATION.
13. 5/8" TYPE X GYPSUM BOARD.
14. 6" CONCRETE SLAB WITH IN SLAB RADIANT HEATING.
15. 1" RIDG INSULATION UNDER ENTIRE FLOOR SLAB.
16. 1" RIDG PERMIETER INSULATION.
17. REINFORCED CONCRETE FOOTING. SEE STRUCTURAL.

SOHEL WEST
Architects Planning Interior Design Engineering

PO BOX 23372
Albuquerque, NM 87192
tel (505) 259-5833

Consultants *Design for the Environment*
info@sohelwest.com www.sohelwest.com

Original drawings remain the property of the Architect and as such the architect retains total ownership and control. The design is approved by these drawings is sold to the client and the client is responsible for the design upon in writing by the Architect.

PROFESSIONAL SEAL



CONSULTANT

KIDDIE KAMPUS DAYKARE
312 HARLAN DRIVE
LAS VEGAS, NEW MEXICO
ROSALIE MARTINEZ, OWNER

PROJECT NAME

MARK	DATE	DESCRIPTION

PROJECT NUMBER 2106
DRAWN BY job
CHECKED BY KRB
ISSUE DATE 10-22-2021
FILE NAME: 2106_A-201 ELEVATIONS.DWG

EXTERIOR ELEVATIONS
WALL SECTIONS

SHEET NUMBER
A-201

KEYNOTES

1. 36" LONG GRAB BAR AT REAR OF WATER CLOSET.
2. 42" LONG GRAB BAR AT SIDE OF WATER CLOSET.
3. 18" VERTICAL GRAB BAR
4. 24"x36" STAINLESS STEEL MIRROR
5. 1" THICK PLASTIC LAMINATE COUNTER TOP WITH SIDE AND BACK SPLASH. PLASTIC LAMINATE SUPPORT LEG. PLASTIC LAMINATE ALL
6. 1" THICK PLASTIC LAMINATE COUNTER TOP WITH SIDE AND BACK SPLASH. PLASTIC LAMINATE SUPPORT LEG. PLASTIC LAMINATE ALL
7. INSULATE ALL PIPING BELOW SINK.
8. 4" COVERED VINYL BASE.
9. FIBER REINFORCED WALL PANEL, "MARQUEE" FROM FLOOR TO CEILING.
10. TRUE UPRIGHT REFRIGERATOR, MODEL T-35, 115V/60/1 PHASE.
11. 16 GAUGE HOLLOW METAL DOOR FRAME.
12. 1 3/4" SOLID WOOD DOOR.
13. STAINLESS STEEL COUNTER WITH BACK AND SIDE SPLASHES.
14. 12"x12"x8" DEEP STAINLESS STEEL SALAD SINK. SEE ALSO PLUMBING DRAWINGS.
15. 12"x12"x8" DEEP STAINLESS STEEL SALAD SINK. SEE ALSO PLUMBING DRAWINGS.
16. 1500 MECHANICAL DRAWINGS.
17. ELECTRIC RANGE AND OVEN. GARLAND IMPERIAL MODEL IR-6-156" 208V/60/PHASE.
18. FLOOR SINK. SEE PLUMBING DRAWINGS.
19. 3 COMPARTMENT STAINLESS STEEL SINK WITH 3 1/4"x14"x10" DEEP SINKS AND ADJACENT DRAIN BOARD. SEE PLUMBING DRAWINGS.
20. HAND SINK. SEE PLUMBING DRAWINGS.
21. 12" DEEP PLASTIC LAMINATE WALL CABINET WITH ONE ADJUSTABLE SHELF.
22. 5" HIGH PLASTIC LAMINATE DRAWER.
23. 24" DEEP PLASTIC LAMINATE BASE CABINET WITH 2 ADJUSTABLE SHELVES.
24. VINYL BASE IN TOPSPACE OF CABINET.
25. COAT ROD.
26. PLASTIC LAMINATE DOOR.
27. DOOR LOCK.
28. ADJUSTABLE SHELVING.
29. ENERGY STAR REFRIGERATOR, ENERGY STAR, 19.2 CU. FT. MODEL GEF20N1500.
30. 27" DEEP PLASTIC LAMINATE DESK TOP.
31. PLASTIC LAMINATE FILE DRAWER.
32. 3" PLASTIC LAMINATE PENCIL DRAWER.

CASEWORK NOTES:

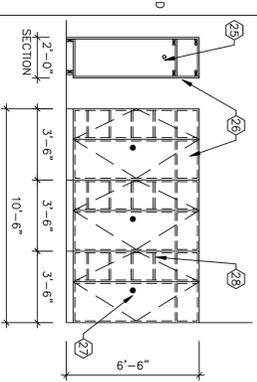
- A. ALL CASEWORK MANUFACTURERS MUST HAVE THEIR PRODUCT APPROVED DURING BIDDING.
- B. ALL COUNTER TOPS SHALL HAVE 4" HIGH BACKSPLASHES.
- C. ALL BASE CABINETS ARE 24" DEEP AND ALL WALL CABINETS ARE 12" DEEP UNLESS NOTED OTHERWISE.
- D. 4" VINYL BASE MUST BE INSTALLED IN THE TOE SPACE OF ALL BASE CABINETS.
- E. ALL EXPOSED TO VIEW SURFACES SHALL BE PLASTIC LAMINATE.
- F. ALL COUNTER TOP SUPPORTS SHALL BE INCLUDED IN THE CASEWORK.
- G. ALL ARMORE DOORS SHALL HAVE LOOKS.

EQUIPMENT NOTES

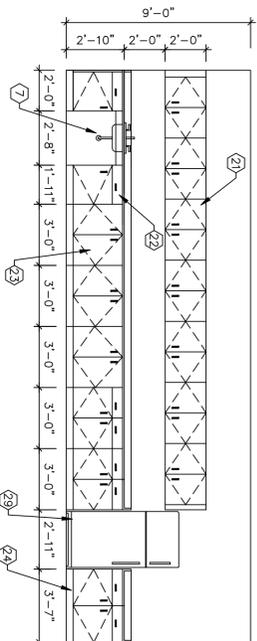
- A. ALL KITCHEN EQUIPMENT TO BE NSF APPROVED.
- B. ALL EQUIPMENT SHALL BE FULLY OPERATIONAL WITH ALL GAS, WATER, AND ELECTRICAL CONNECTIONS MADE TO EACH PIECE OF EQUIPMENT AS REQUIRED BY THE EQUIPMENT MANUFACTURER. THERE WILL BE NO ALLOWANCES FOR THE CONTRACTORS FAILURE TO MAKE EQUIPMENT FULLY OPERATIONAL.
- C. ALL STAINLESS STEEL TABLES SHALL BE CONSTRUCTED AS FOLLOWS:
16 GA. TOPS, 18 GA. SHELVES AND BODY, 1 5/8" DIAMETER ADJUSTABLE LEGS. ALL CONSTRUCTION SHALL BE WELDED AND GROUND SMOOTH.
- D. ALL STAINLESS STEEL TABLES SHALL HAVE 6" BACK AND SIDE SPLASHES.
- E. STAINLESS STEEL TABLES SHALL HAVE ADJUSTABLE LEGS.

MOUNTING HEIGHTS:

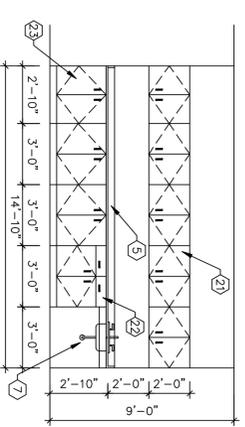
- A. HEIGHT FROM FLOOR OF ALL TOILET ACCESSORIES:
BOTTOM EDGE OF MIRROR: 38"
TOILET PAPER DISPENSERS: 19"
TOILET SEATS: 17"
HANDRAILS: 34"



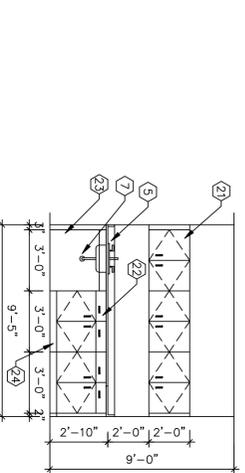
D1 3-5 YEAR OLD 109
1/4"=1'-0" ARMORES



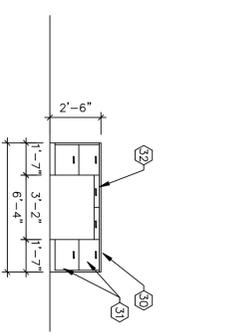
D2 WADDLERS 107
1/4"=1'-0"



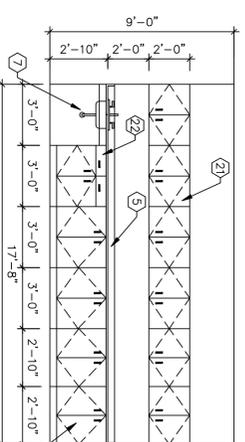
C1 2 YEAR OLD 108
1/4"=1'-0"



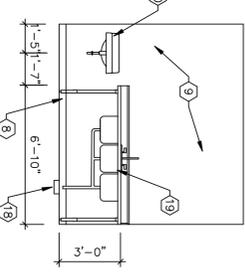
C2 WADDLERS 107
1/4"=1'-0" ROOM 111 IS MIRROR IMAGE



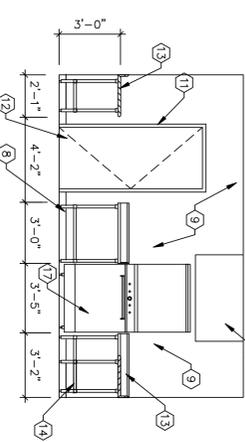
C3 LOBBY 104
1/4"=1'-0"



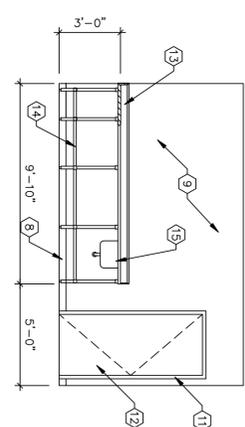
C4 3-5 YEAR OLD 109
1/4"=1'-0"



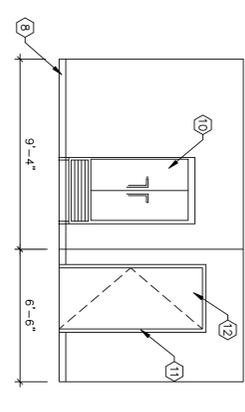
B1 KITCHEN 114
1/4"=1'-0"



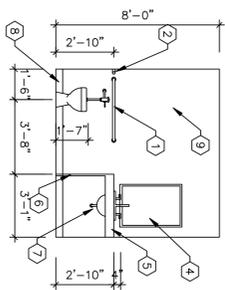
B2 KITCHEN 114
1/4"=1'-0"



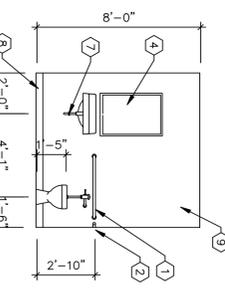
B3 KITCHEN 114
1/4"=1'-0"



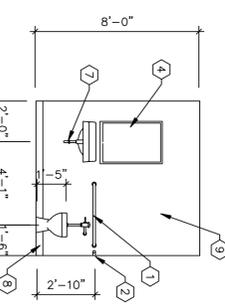
B4 KITCHEN 114
1/4"=1'-0"



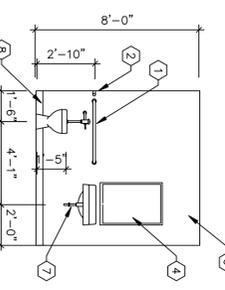
A1 TOILET 101
1/4"=1'-0"



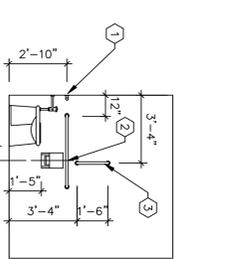
A2 UNISEX TOILET
1/4"=1'-0"



A3 BOYS 112
1/4"=1'-0" UNISEX 119 SIMILAR



A4 GIRLS 118
1/4"=1'-0"



A5 TOILET SIDE ELEVATION
1/4"=1'-0"

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CONSULTANT

PROJECT NAME

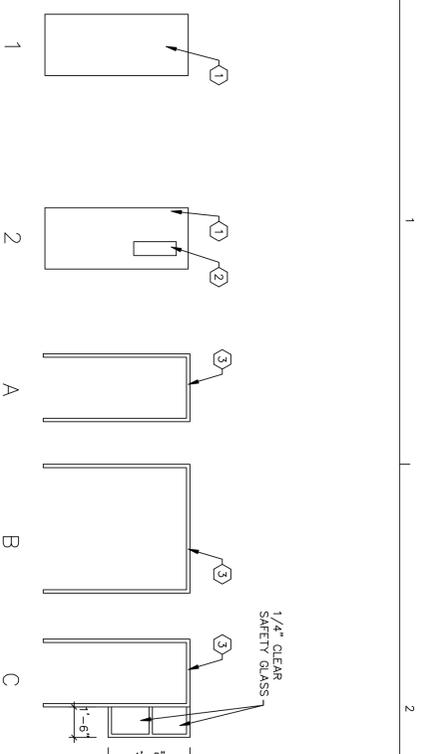
KIDDIE KAMPUS DAYCARE
312 HARLAN DRIVE
LAS VEGAS, NEW MEXICO
ROSALIE MARTINEZ, OWNER

MARK	DATE	DESCRIPTION

PROJECT NUMBER: 2106
DRAWN BY: KR8
CHECKED BY: KR8
ISSUE DATE: 10-22-2021
FILE NAME: 2106-A-601 SCHEDULES.DWG

SHEET NAME: INTERIOR ELEVATIONS

SHEET NUMBER: A-501



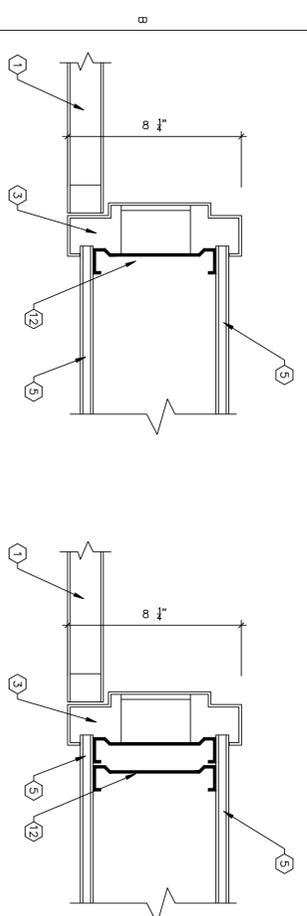
No. Type	Location Room to Room	Qty.	Size	Frame Type	Door Material	Head	Jamb	Sill	Hardware Set	Rating	Remarks
101A 1	TOILET 101 - LOCKER 103	1	3'-0\"/>								

KEYNOTES

- DOOR SEE SCHEDULE FOR TYPE. ALL HOLLOW METAL DOORS ARE 16 GAUGE.
- 8\"/>

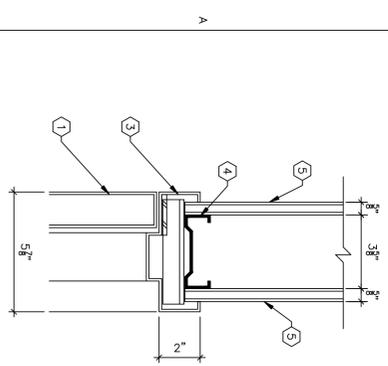
HARDWARE SCHEDULE

- HW SET #1: DOORS 101A, 102A, 112A, 112B, 118A, 118B, 119A
 PRIVACY LATCHSET, 1.5 PAIR HINGES, CLOSER, KICKPLATE.
 HW SET #2: DOOR 103A
 LATCHSET (CAN NOT BE LOCKED), 1.5 PAIR HINGES, CLOSER, KICKPLATE.
 HW SET #3: DOORS 104A, 107B, 108B, 109B, 110C, 111C, 113B
 PANG BAR W/ CYLINDER, 1.5 PAIR HINGES, CLOSER, KICKPLATE, THRESHOLD, WEATHERSTRIPPING.
 HW SET #4: DOOR 105A
 OFFICE LOCKSET, 1.5 PAIR HINGES, CLOSER, KICKPLATE.
 HW SET #5: DOOR 106A, 110A, 114A, 119A, 117A
 STORAGE LOCKSET, 1.5 PAIR HINGES, CLOSER, KICKPLATE.
 HW SET #6: DOORS 107A, 108A, 109A
 CLASSROOM LOCKERS 1.5 PAIR HINGES, CLOSER, KICKPLATE.
 HW SET #7: DOORS 111A, 111B
 PANG BAR W/ CYLINDER, 1.5 PAIR HINGES, CLOSER, KICKPLATE.
 HW SET #8: DOORS 104B, 113A
 PUSH AND PULL PLATES, 1.5 PAIR HINGES, CLOSER, KICKPLATE.
 HW SET #9: DOOR 114B
 ENTRANCE LOCKSET, 1.5 PAIR HINGES, CLOSER, KICKPLATE, THRESHOLD.
 HW SET #10: DOOR 116A
 ENTRANCE LOCKSET, 1.5 PAIR HINGES, CLOSER, KICKPLATE, THRESHOLD, WEATHERSTRIPPING, FLUSH BOLTS TOP AND BOTTOM.
 NOTE: ALL LATCHSETS, AND LOCKSETS SHALL BE LEVER HANDLE. ALL HARDWARE SHALL BE 626 FINISH.

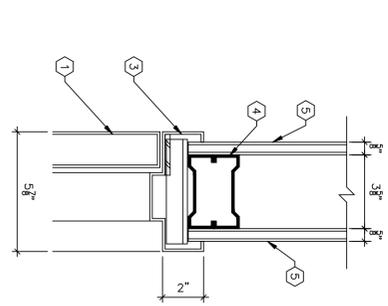


B5 DOOR HEAD
3\"/>

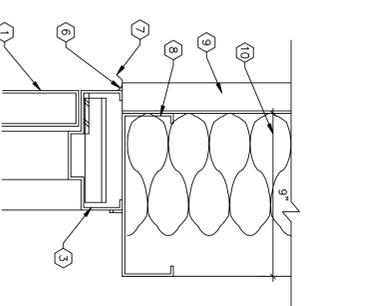
B4 DOOR JAMB
3\"/>



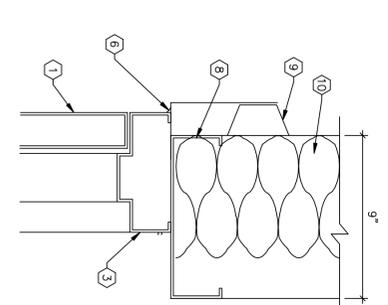
A5 DOOR HEAD
3\"/>



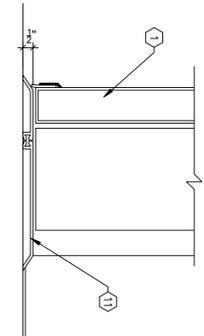
A4 DOOR JAMB
3\"/>



A3 DOOR HEAD
3\"/>

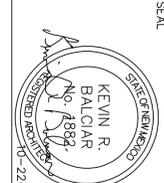


A2 EXTERIOR DOOR JAMB
3\"/>



A1 DOOR THRESHOLD
3\"/>

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PROJECT NAME
KIDDIE KAMPUS DAYKARE
312 HARLAN DRIVE
LAS VEGAS, NEW MEXICO
ROSALIE MARTINEZ, OWNER

SHEET NUMBER
A-601

PROJECT NUMBER
 2106

DRAWN BY
 KRB

CHECKED BY
 KRB

ISSUE DATE
 10-22-21

FILE NAME:
 2106_A-601 DOOR SCH.DWG

SHEET NAME
DOOR SCHEDULE DETAILS

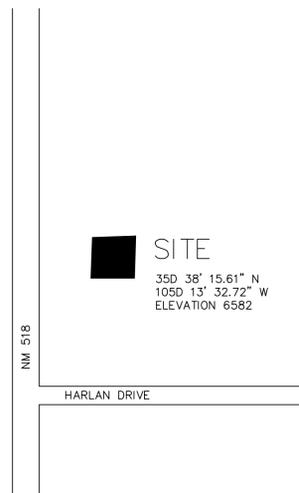
MARK	DATE	DESCRIPTION

ARCHITECTS: PO BOX 23372
 ALBUQUERQUE, NEW MEXICO 87192
 tel. (505) 250-3053 www.soleilwest.com

KIDDIE KAMPUS DAYKARE

OWNER: ROSALIE MARTINEZ
 312 HARLAN DRIVE
 LAS VEGAS, NEW MEXICO 87701

TO MORA



A3 VICINITY MAP
 NOT TO SCALE

SYMBOLS LEGEND

A PARTITION TYPE
FEC FIRE EXTINGUISHER

GENERAL NOTES

WHEREVER THE DRAWINGS DENOTES "FV" OR "FIELD VERIFY" IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS ITEM WITH ACTUAL CONDITIONS. THE GENERAL CONTRACTOR SHALL THEN NOTIFY THE ARCHITECT OF ANY DEVIATION BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN ON THE DRAWINGS.

DIMENSIONS WITH A + OR - SHALL BE FIELD VERIFIED. UNLESS NOTED OTHERWISE, THE FLOOR PLANS ARE DIMENSIONED TO NOMINAL DIMENSIONS AND NOT ACTUAL DIMENSIONS.

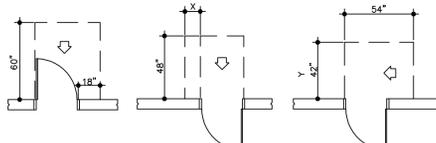
DRY WALL PARTITIONS MORE THAN 20' LONG OR MORE THAN 12' HIGH SHALL HAVE EXPANSION JOINTS.

ALL RATED PARTITIONS SHALL EXTEND TO UNDERSIDE OF ROOF DECK.

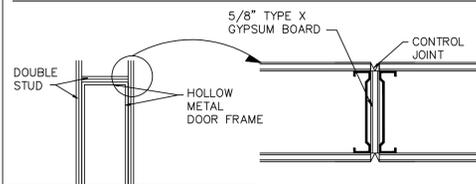
ALL DOORS SHALL BE LOCATED SO THAT THERE IS 18" MIN. CLEAR ON THE LATCH SIDE.

TYPICAL DOOR LOCATION

LOCATE ALL DOORS IN NEW WALLS AS SHOWN HERE, UNLESS SHOWN OTHERWISE.



TYPICAL DOOR CONTROL JOINT



ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ACT	ACOUSTICAL CEILING TILE	MECH	MECHANICAL
BRG	BEARING	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
CSMT	CASEMENT	NIC	NOT IN CONTRACT
CLG	CEILING	NTS	NOT TO SCALE
CT	CERAMIC TILE	OC	ON CENTER
COL	COLUMN	OPGN	OPENING
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CMU	CONCRETE MASONRY UNIT	OH	OVERHANG
DIA	DIAMETER	PLYWD	PLYWOOD
DL	DEAD LOAD	PVC	POLYVINYL CHLORIDE
DWL	DOWEL	PCF	POUNDS PER CUBIC FOOT
DIM	DIMENSION	PSF	POUNDS PER SQUARE FOOT
DWG	DRAWING	PSI	POUNDS PER SQUARE INCH
DF	DRINKING FOUNTAIN	QT	QUARRY TILE
ELEC	ELECTRIC, ELECTRICAL	RA	RETURN AIR
EL	ELEVATION	RH	RIGHT HAND
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	ROW	RIGHT OF WAY
EW	EACH WAY	R	RADIUS OR RISER
EWG	ELECTRIC WATER COOLER	RD	ROOF DRAIN
FF EL	FINISH FLOOR ELEVATION	RM	ROOM
FE	FIRE EXTINGUISHER	SA	SUPPLY AIR
FEC	FIRE EXTINGUISHER CABINET	SECT	SECTION
FD	FLOOR DRAIN	SHT	SHEET
FTG	FOOTING	SIM	SIMILAR
FT	FOOT	SPEC	SPECIFICATION
GA	GAUGE, GAGE	SQ	SQUARE
GALV	GALVANIZED	SQFT	SQUARE FOOT
GC	GENERAL CONTRACTOR	SST	STAINLESS STEEL
GYP	GYPSUM BOARD	STD	STANDARD
HVAC	HEATING VENTILATING AIR CONDITIONING	STA	STATION
HT	HEIGHT	STL	STEEL
HM	HOLLOW METAL	STO	STORAGE
HW	HOT WATER	STOR	STORAGE
INCL	INCLUDE, INCLUDING	TEL	TELEPHONE
ID	INSIDE DIAMETER	TV	TELEVISION
INT	INTERIOR	THK	THICK, THICKNESS
INV	INVERT	TE	TOP OF BEAM
JAN	JANITOR	TS	TOP OF SLAB
JST	JOIST	TW	TOP OF WALL
KIT	KITCHEN	TYP	TYPICAL
LAV	LAVATORY	VERT	VERTICAL
LL	LIVE LOAD	VF	VERIFY IN FIELD
MH	MANHOLE	W/WF	WELDED WIRE FABRIC
MO	MASONRY OPENING	WTH	WITH
		W/O	WITHOUT
		WD	WOOD

SHEET INDEX

G-001	COVER SHEET
C-101	SITE PLAN
S-001	STRUCTURAL NOTES
S-101	FOUNDATION PLAN
S-102	ROOF FRAMING PLAN
S-301	FOUNDATION DETAILS
A-101	FLOOR PLAN, REFLECTED CEILING PLAN
A-201	EXTERIOR ELEVATIONS, WALL SECTIONS
A-501	INTERIOR ELEVATIONS
A-601	DOOR SCHEDULE, DETAILS
PM-001	MECHANICAL COVER AND NOTES
P-101	PLUMBING PLANS
P-601	PLUMBING SCHEDULES
P-602	PLUMBING DIAGRAMS
M-101	MECHANICAL FLOOR PLAN
M-601	MECHANICAL SCHEDULES
EC-100	ELECTRICAL SITE PLAN
E-101	POWER AND LIGHTING PLANS
E-102	FIRE ALARM PLAN
E-103	POWER RISER, PANEL SCHEDULES

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PROFESSIONAL SEAL



PROJECT NAME

KIDDIE KAMPUS DAYKARE
 312 HARLAN DRIVE
 LAS VEGAS, NEW MEXICO
 ROSALIE MARTINEZ, OWNER

PROJECT SCOPE

NEW CONSTRUCTION OF A 6000 SQUARE FOOT DAY CARE CENTER TO BE LOCATED JUST NORTH OF LAS VEGAS ON NEW MEXICO 518.

PROJECT DATA

BUILDING CODE: 2015 NEW MEXICO COMMERCIAL BUILDING CODE
 CODE REFERENCE: 2015 IBC, ANSI 117.1, NFPA 101 LIFE SAFETY CODE 2015 UPC, 2015 UMC, 2014 NEC, 2015 IFC

BUILDING USE: DAY CARE
 OCCUPANCY CLASSIFICATION: E

CONSTRUCTION TYPE: V-B (NO FIRE SPRINKLERS)
 NUMBER OF STORIES: 1
 ALLOWABLE AREA: 36,000 SF (TABLE 506.2)
 GROSS BUILDING AREA: 6,000 SF
 OCCUPANCY LOAD: (PER TABLE 1004.1.2)

FILES 106	53 SF	300	= 0.18
DRY FOODS 115	28 SF	300	= 0.09
OFFICE 105	105 SF	100	= 1.05
DAY CARE ROOMS			
WADDLERS 107	740 SF	35	=21.14
TWO YEAR OLD 108	814 SF	35	=23.26
3-5 YEAR OLD 109	824 SF	35	=23.54
AFTER SCHOOL 111	1182 SF	35	=33.77
LOCKER 103	79 SF	50	= 1.58
LOBBY 104	207 SF	100	= 2.07
KITCHEN 114	202 SF	200	= 1.01
MECHANICAL 116	112 SF	300	= 0.37
ELECTRICAL 117	21 SF	300	= 0.07
TOTAL			108.13

PLUMBING FIXTURE REQUIREMENTS

OCCUPANCY LOAD: 109 MEN 54 WOMEN 55

REQUIRED	MEN	WOMEN
LAVATORIES	54 50 = 2	55 50 = 2
WATER CLOSETS	54 50 = 2	55 50 = 2

PROVIDED	MEN NEW	WOMEN NEW
LAVATORIES	3	3
WATER CLOSETS	3	2

MARK DATE DESCRIPTION

SET NUMBER

PROJECT NUMBER: 2106
 DRAWN BY: KRB
 CHECKED BY: KRB
 ISSUE DATE: 10-22-2021
 FILE NAME: 2106_G001_COVER.DWG

SHEET NAME
COVER SHEET

SHEET NUMBER
G-001

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PROFESSIONAL SEAL

CONSULTANT



PROJECT NAME

KIDDIE KAMPUS DAYKARE
 312 HARLAN DRIVE
 LAS VEGAS, NEW MEXICO
 ROSALIE MARTINEZ, OWNER

Blank area for notes or additional project information.

MARK	DATE	DESCRIPTION

PROJECT NUMBER 2106
 DRAWN BY DV
 CHECKED BY DV
 ISSUE DATE
 FILE NAME: 2106_A-101 FLOOR PLAN.DWG

SHEET NAME
POWER & LIGHTING PLANS

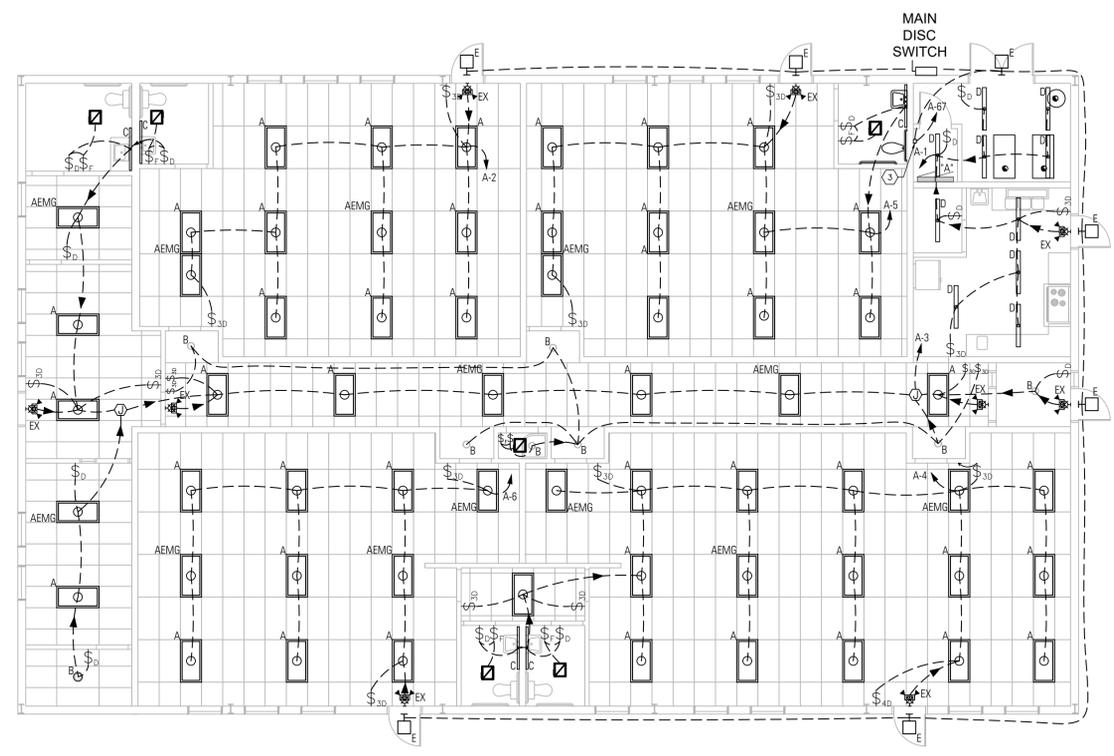
SHEET NUMBER
E-101

GENERAL NOTES

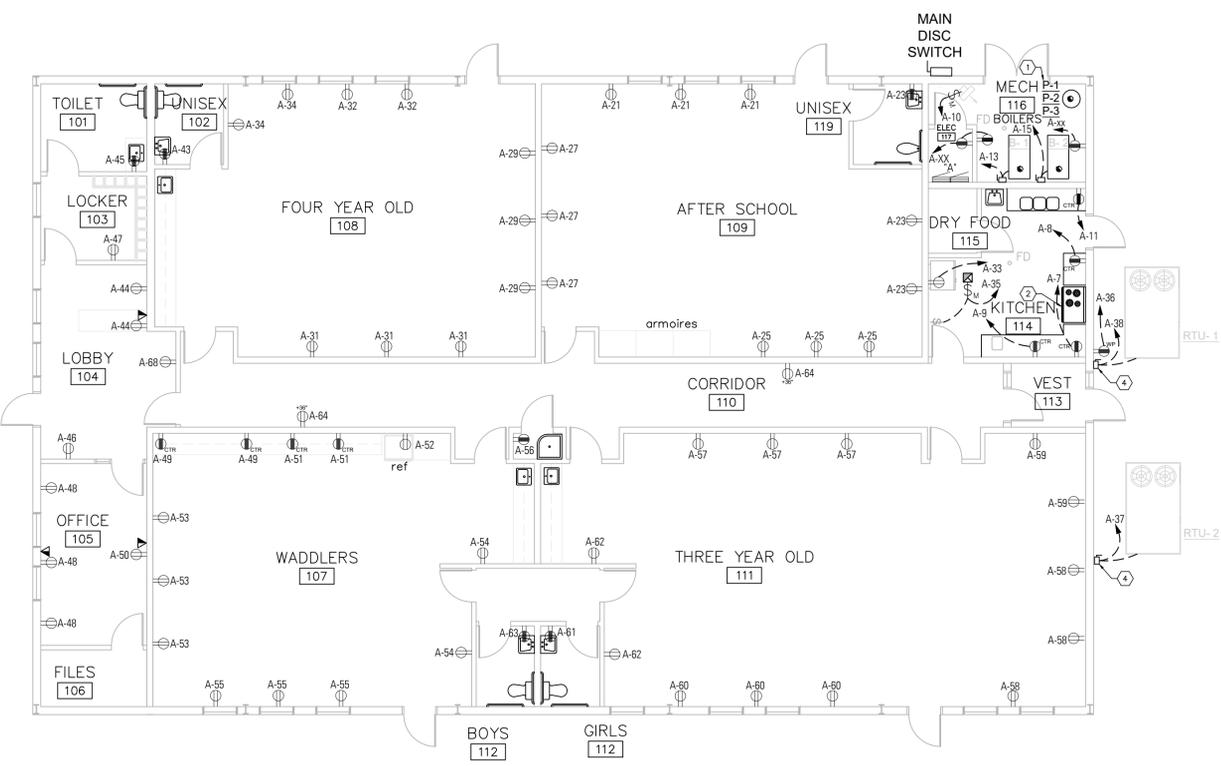
- A. ALL ELECTRICAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, PLANS, AND ASSOCIATED NOTES. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE NEC, STATE AND CITY ELECTRICAL CODES, AND MUST BE EXECUTED IN A WORKMANLIKE MANNER.
- B. THE ELECTRICAL CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS AT THE PROJECT SITE AFFECTING HIS WORK.
- E. ALL LIGHTING AND GENERAL POWER BRANCH CIRCUITS WILL BE SIZED [1/2" C. 2-#12, 1-#12 GRND] MINIMUM. NOTE: PROVIDE DEDICATED NEUTRAL FOR EACH BRANCH CIRCUIT HOMERUN.

KEYNOTES

1. PROVIDE POWER CIRCUITS A-14, A-16, AND A-18 FOR HEATING WATER PUMPS P-1, P-2, AND P-3 RESPECTIVELY. PROVIDE SAFETY DISCONNECT SWITCH FOR EACH PUMP.
2. PROVIDE POWER CIRCUIT [1.25"C, 3-#2, 1-#8 GRND] A-20 FOR KITCHEN HOOD EQUIPMENT. PROVIDE POWER CIRCUIT A-26 FOR KITCHEN HOOD. PROVIDE SAFETY DISCONNECTS FOR EACH OF THESE LOADS.
3. TORK DIGITAL 7 DAY TIME SWITCH - #EW101.
4. PROVIDE 60A, 3P SAFETY DISCONNECT SWITCH WITH 50A FUSES, POWER CIRCUIT [3/4"C, 3-#8, 1-10 GRND].



E1 LIGHTING PLAN
 1/8"=1'-0"



E1 POWER PLAN
 1/8"=1'-0"



ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE, NEMA 5-20R, 20 AMP, 125 VAC, 1Ø, 3 WIRE, GROUNDING TYPE, ABOVE COUNTER MOUNTING (CTR), MOUNTED +18" AFF. (STANDARD)
	DUPLEX RECEPTACLE, GFI TYPE, NEMA 5-20R, 20 AMP, 125 VAC, 1Ø, 3 WIRE, GROUNDING TYPE, WP WHEN NOTED, MTD +18" AFF. (STD)
	DATA OUTLET, W/COVER PLATE, WITH PULL STRING, WITH 3/4" CONDUIT TO CEILING PLENUM.
	SAFETY DISCONNECT SWITCH (FUSED).
	ENCLOSED SAFETY DISCONNECT TOGGLE SWITCH, MOTOR RATED, 120V.
	SINGLE POLE TOGGLE SWITCH, 20 AMP, 120/277 VAC, MOUNTED +48" AFF. HUBBELL #1221-1 OR EQUIVALENT. "K" DESIGNATES KEY OPERATED & "D" DESIGNATES DIMMER SWITCH.
	3-WAY TOGGLE SWITCH, 20 AMP, 120/277 VAC, MOUNTED +48" AFF. HUBBELL #1223-1 OR EQUIVALENT.

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL_NO.	LAMPS	MOUNTING
A	2X4 LED FIXTURE	COLUMBIA	LCAT24-40HLG-EDU	LED 44W	RECESSED/CEILING
AEMG	2X4 LED FIXTURE	COLUMBIA	LCAT24-40HLG-EDU-ELL14	LED 44W	RECESSED/CEILING
B	DOWNLIGHT, LED	PRESCOLITE	LF6LEDG4 6LFLED6G440K-B24	LED 4000K, 19.1W	RECESSED/CEILING
C	WALL RESTR LED LIGHT	KICHLER	TOR 37 1/4"W #16V03	LED 23W	SURFACE/WALL
D	1X4 STRIPLIGHT	COLUMBIA	LCL4-40ML-EU-GLR-(CSDC ON EXPOSED CEILINGS)	LED 4000K 42W	SURFACE/CEILING
E	WALL MOUNT, LED	KIM LIGHTING	SW1-18L3KUV-DB-TG	LED 3500K 19.5W	SURFACE/WALL
XEM	EXIT/EMERG COMBO, LED	DUAL LITE	LT-U-R-W	(2) 5W HALOGEN	SURFACE/WALL

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PROFESSIONAL SEAL

CONSULTANT

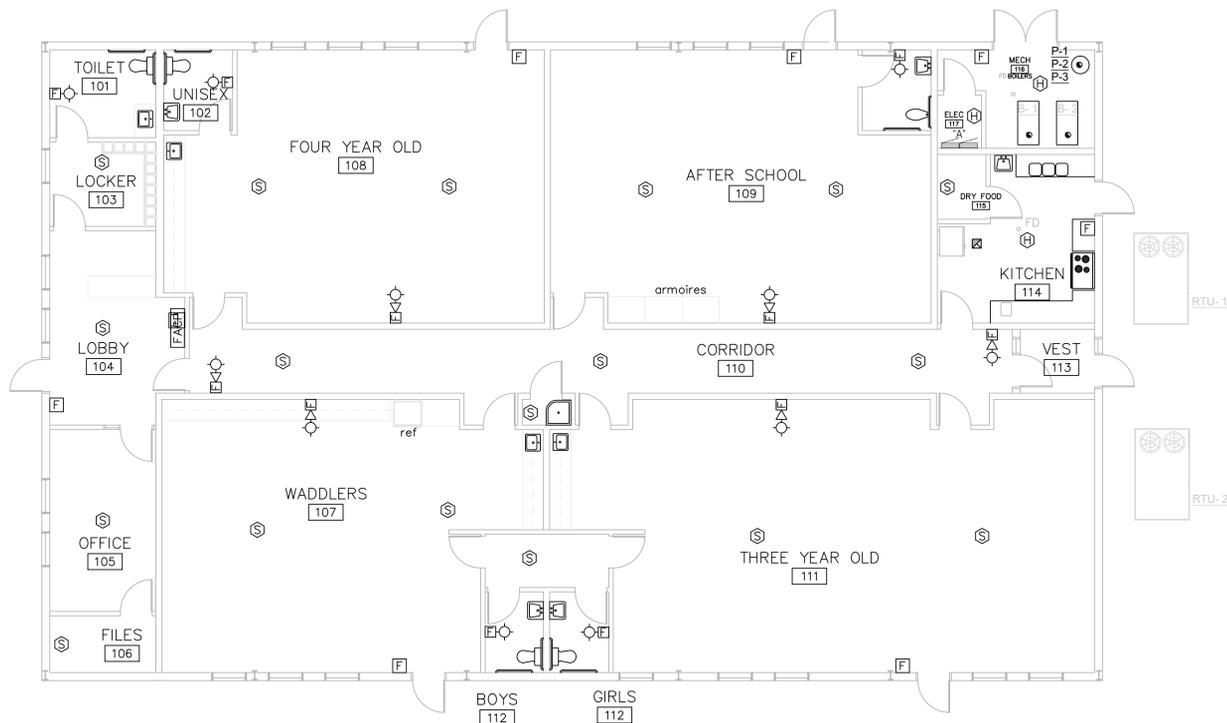


PROJECT NAME

KIDDIE KAMPUS DAYKARE
 312 HARLAN DRIVE
 LAS VEGAS, NEW MEXICO
 ROSALIE MARTINEZ, OWNER

GENERAL NOTES

- A. ALL ELECTRICAL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, PLANS, AND ASSOCIATED NOTES. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE NEC, STATE AND CITY ELECTRICAL CODES, AND MUST BE EXECUTED IN A WORKMANLIKE MANNER.
- B. THE ELECTRICAL CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS AT THE PROJECT SITE AFFECTING HIS WORK.



E1 FIRE ALARM PLAN
 1/8"=1'-0"

FIRE ALARM SYSTEM SPECIFICATIONS

PART 1 - GENERAL

1.1 WORK INCLUDED

- 1.A. FIRE ALARM SYSTEM DESIGN REQUIREMENTS.
- 1.B. PROVIDE AND INSTALL A COMPLETE ADDRESSABLE FIRE ALARM AND DETECTION SYSTEM MEETING ALL CODE AND LOCAL JURISDICTIONAL REQUIREMENTS.

1.2 QUALITY ASSURANCE

FIRE ALARM CONTRACTOR SHALL HAVE LOCAL REPRESENTATION AND SHALL HAVE BEEN ACTIVELY ENGAGED IN THE INSTALLATION AND SERVICE OF MANUFACTURER'S EQUIPMENT FOR A PERIOD OF NOT LESS THAN 3 YEARS, AND HAVE FACTORY CERTIFIED TRAINED TECHNICIANS.

THE FIRE ALARM SYSTEM EQUIPMENT COMPONENTS SHALL BE MANUFACTURED IN THE UNITED STATES, WHERE POSSIBLE, BY MANUFACTURERS CURRENTLY ENGAGED IN THE PRODUCTION OF FIRE ALARM SYSTEM COMPONENTS.

EACH AND ALL ITEMS OF THE FIRE ALARM SYSTEM SHALL BE LISTED AS A PRODUCT OF A SINGLE FIRE ALARM SYSTEM MANUFACTURER, OR LISTED AS APPROVED FOR USE WITH FIRE ALARM EQUIPMENT.

ALL EQUIPMENT SUPPLIED SHALL BE LISTED OR APPROVED BY A NATIONALLY RECOGNIZED FIRE TEST LABORATORY SUCH AS UL.

1.3 INSTALLATION

PROVIDE A COMPLETE AND OPERABLE SYSTEM MEETING ALL LOCAL JURISDICTIONAL REQUIREMENTS.

ALL INITIATING AND NOTIFICATION ZONING SHALL BE AS DEFINED BY THE LOCAL JURISDICTION.

INSTALL ALL COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS AND IN LOCATIONS DEFINED BY APPLICABLE CODES. MEET ALL APPLICABLE CODES. DETECTOR SPACING ON NON-CONTINUOUS PLANE CEILING SURFACES SHALL BE ADJUSTED ACCORDING TO CODE AND LOCAL JURISDICTION.

DEVICES AND APPLIANCES SHALL BE SO LOCATED AND MOUNTED THAT ACCIDENTAL OPERATION OR FAILURE WILL NOT BE CAUSED BY VIBRATION OR JARRING.

ALL SYSTEMS SHALL TEST FREE OF GROUNDS.

DETECTORS SHALL NOT BE LOCATED WITHIN 3 FEET OF AIR DIFFUSERS.

DETECTION DEVICES ARE TO BE PHOTOELECTRIC UNLESS OTHERWISE NOTED.

FIRE ALARM AND DETECTION WIRING SHALL BE IN CONDUIT WHERE: RUN IN CONCRETE, RUN UNDERGROUND, SURFACE MOUNTED, PENETRATING WALLS AND FLOORS, SUBJECT TO PHYSICAL DAMAGE OR REQUIRED BY CODE.

FIRE SEAL ALL RATED PENETRATIONS WITH U.L. LISTED FIRE-CAULK.

CORRIDOR DETECTORS TO LINE UP WITH LIGHT FIXTURES.

1.4 TESTING AND CERTIFICATION

PROVIDE TESTING AND CERTIFICATION PER NFPA, IFC AND LOCAL REQUIREMENTS.

WIRE LEGEND

DESCRIPTION
SLC CIRCUIT: #16/2 SOLID THHN.
NAC CIRCUIT: #14/2 STRANDED THHN.

ELECTRICAL SYMBOLS LEGEND

DESCRIPTION
[FACP] FIRE ALARM CONTROL PANEL
[EAV] AUDIO/VISUAL FIRE ALARM DEVICE W/CANDELA
[EV] VISUAL FIRE ALARM DEVICE W/CANDELA
[F] FIRE ALARM PULL STATION
[S] FIRE ALARM SMOKE DETECTOR
[H] FIRE ALARM HEAT DETECTOR

MARK	DATE	DESCRIPTION

PROJECT NUMBER	2106
DRAWN BY	DV
CHECKED BY	DV
ISSUE DATE	
FILE NAME:	2106_A--101 FLOOR PLAN.DWG

SHEET NAME

FIRE ALARM PLAN

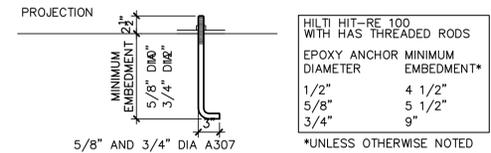
SHEET NUMBER

E-102

METAL BUILDING

- A. THE METAL BUILDING SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND THE MBMA MANUAL.
- B. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT THREE (3) COPIES OF THE METAL BUILDING DESIGN DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER WITH CURRENT REGISTRATION IN THE STATE OF NEW MEXICO PRIOR TO THE SUBMITTAL OF THE METAL BUILDING SHOP DRAWINGS.
- C. THE METAL BUILDING SHALL BE DESIGNED TO RESIST THE DEAD LOADS OF THE STRUCTURE PLUS THE VERTICAL LIVE LOADS AND COLLATERAL LOADS LISTED; AND THE APPLICABLE LATERAL LOAD (WIND LOADS AND SEISMIC LOADS) THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF CROSS BRACING WITH THE ARCHITECT PRIOR TO FABRICATION OF THE METAL BUILDING.
- D. THE METAL BUILDING MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND FOR PROVIDING THOSE ITEMS DENOTED "BY METAL BUILDING MANUFACTURER". THE METAL BUILDING MANUFACTURER SHALL ALSO DESIGN AND PROVIDE ANY ADDITIONAL FRAMING MEMBER, BRACING MEMBERS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE BUILDING.
- E. THE METAL BUILDING SYSTEM SHALL BE ERECTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL APPROPRIATE LEGAL, AND SAFETY REQUIREMENTS AND TO DETERMINE AND PROVIDE ANY TEMPORARY BRACING, SHORING, BLOCKING, BRIDGING AND/OR SECURING OF THE COMPONENTS ETC. AS REQUIRED DURING THE ERECTION PROCESS.
- F. BASE ANGLE ANCHORAGE TO CONCRETE SHALL BE 3/16" DIA x 1 1/2" MINIMUM STANDARD VELOCITY POWER DRIVEN FASTENERS SPACING AS DETERMINED BY METAL BUILDING MANUFACTURER BUT NOT GREATER THAN 48" ON CENTER, UNLESS OTHERWISE NOTED. MINIMUM WORKING SHEAR CAPACITY OF EACH FASTENER SHALL BE 500 LB.

ANCHOR BOLTS



HILTI HIT-RE 100 WITH HAS THREADED RODS	
EPOXY ANCHOR MINIMUM DIAMETER	EMBEDMENT*
1/2"	4 1/2"
5/8"	5 1/2"
3/4"	9"

*UNLESS OTHERWISE NOTED

- A. REFER TO THE METAL BUILDING DRAWINGS FOR BASE PLATE LOCATIONS, ANCHOR BOLT LAYOUT, AND ANCHOR BOLT SIZES, UNLESS OTHERWISE NOTED OR DETAILED, ANCHOR BOLT EMBEDMENTS SHALL BE IN ACCORDANCE WITH TABLE 1912.2 OF THE 2009 IBC.
- B. THE CONTRACTOR MAY SUBSTITUTE EPOXY SET ANCHORS FOR CAST IN PLACE ANCHOR BOLTS.
- C. THE CONTRACTOR SHALL VERIFY THE LENGTHS OF ANCHOR BOLT PROJECTIONS WITH THE GREENHOUSE MANUFACTURER.

SPECIAL INSPECTION

- INSPECTIONS SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE BY AN INDEPENDENT INSPECTOR SELECTED BY THE CONTRACTOR SUBJECT TO APPROVAL BY THE OWNER OR BY THE ARCHITECT ACTING ON THE BEHALF OF THE OWNER.
- CONCRETE CONSTRUCTION (TABLE 1705.3 2015 IBC)
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT (PERIODIC TASKS) :
 3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE (CONTINUOUS TASKS) :
 4. INSPECTION OF POST-INSTALLED ANCHORS (PERIODIC TASKS) :
 5. VERIFYING USE OF REQUIRED DESIGN MIX (PERIODIC TASKS) :
 6. AT THE TIME FRESH CONCRETE IS SAMPLED. (CONTINUOUS TASKS) : INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES (PERIODIC TASKS) :
- SOILS (TABLE 1705.6 2015 IBC) PER APPROVED GEOTECHNICAL REPORT
1. VERIFYING MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY (PERIODIC TASKS)
 2. VERIFYING EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL (PERIODIC TASKS)
 3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIAL (PERIODIC TASKS)
 4. VERIFY USE OF PROPER MATERIAL DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL (CONTINUOUS TASKS)
 5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY (PERIODIC TASKS)
- STEEL CONSTRUCTION (SECTION 1705.2 2015 IBC)
1. MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS, AND WASHERS (PERIODIC TASKS) :
 2. INSPECTION OF HIGH STRENGTH BOLTS (PERIODIC TASKS) :
 3. MATERIAL VERIFICATION OF STRUCTURAL STEEL (PERIODIC TASKS) :
 4. FIELD WELDING (PERIODIC TASKS) :

TESTING

- A. TESTING SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE BY AN INDEPENDENT TESTING LABORATORY SELECTED BY THE CONTRACTOR SUBJECT TO APPROVAL BY THE OWNER OR BY THE ARCHITECT ACTING ON THE BEHALF OF THE OWNER.
- B. EARTHWORK: PERFORM APPROPRIATE AND SPECIFIED TESTS AS NECESSARY TO INSURE THAT THE SOIL MATERIAL PROPOSED FOR USE ON THIS PROJECT MEET THE SPECIFIED REQUIREMENTS.
 - 1) DETERMINE IN-PLACE DENSITIES BY EITHER THE SAND CONE METHOD (ASTM D-1556) OR THE NUCLEAR METHOD (ASTM D-2992)
 - 2) PROVIDE A MINIMUM OF TWO TEST FOR EACH 3000 SQUARE FEET OF AREA OR FRACTION THEREOF, AND FOR EACH LIFT (COMPACTED LAYER) OF FILL, AND BACK FILL.
 - 3) IF TEST RESULTS INDICATE COMPACTION LESS THAN THOSE REQUIRED, RECOMPACTION AND RETEST UNTIL THE REQUIREMENTS ARE MET. COST OF RECOMPACTION AND RETESTING ARE AT THE CONTRACTOR'S EXPENSE.
- C. CONCRETE: PERFORM APPROPRIATE AND SPECIFIED TESTS AS NECESSARY TO INSURE THAT THE CONCRETE MATERIAL PROPOSED FOR USE ON THIS PROJECT MEET THE SPECIFIED REQUIREMENTS:
 - 1) SLUMP TEST: ONE TEST FOR EACH CONCRETE LOAD AT THE POINT OF DISCHARGE, AND ONE TEST FOR EACH SET OF COMPRESSION TEST SPECIMENS. IF WATER IS ADDED TO THE CONCRETE AT THE SITE, SLUMP TEST SHALL BE MADE AFTER THE WATER IS ADDED.
 - 2) COMPRESSION STRENGTH TEST: ONE SET OF SIX STANDARD TEST SPECIMENS SHALL BE MADE FOR EACH 50 CUBIC YARDS OF CONCRETE OR FRACTION THEREOF FOR EACH CLASS OF CONCRETE PLACED IN ONE DAY AND/OR ONE SET PER EACH 5000 SQUARE FEET OF SLAB PLACED IN ONE DAY.

CONCRETE

- A. REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI DETAILING MANUAL, AND IS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI PLACING MANUAL. HOOKS IN THE REINFORCING SHALL BE STANDARD ACI HOOKS, UNLESS OTHERWISE DETAILED. TENSION AND COMPRESSION SPLICES IN REINFORCING SHALL BE IN ACCORDANCE WITH ACI 318 CHAPTER 12, UNLESS OTHERWISE DETAILED.
- B. REINFORCING DOWELS, BOLTS, AND ANY OTHER INSERTS SHALL BE FASTENED INTO POSITION BEFORE CONCRETE IS PLACED. DRILLED-IN EXPANSION ANCHORS SHALL NOT BE USED EXCEPT WHERE SPECIFICALLY SHOWN ON THE DRAWINGS. VERTICAL REINFORCING SHALL BE PLACED AT THE CENTER OF THE WALL UNLESS OTHERWISE SHOWN. THE SPACING SHOWN FOR REINFORCING, ANCHORAGE, AND EMBEDDED ITEMS ARE MAXIMUM. PROVIDE AND INSTALL ENOUGH ITEMS SO THAT SPACING IS NOT EXCEEDED. THE FIRST AND LAST ITEMS OF UNIFORMLY SPACED ITEMS SHALL BE LOCATED NOT MORE THAN ONE-HALF THE SPACING NOR LESS THAN 12 INCHES FROM THE END OF THE STRUCTURAL ELEMENT.
- C. NO SPLICES IN VERTICAL REINFORCING ARE PERMITTED UNLESS SHOWN ON THE DRAWINGS.
- D. SPLICES IN HORIZONTAL AND LONGITUDINAL REINFORCING IN FOOTINGS, BEAMS, FOUNDATION WALLS, AND TURNED DOWN EDGES SHALL BE LAPPED NOT LESS THAN 32 BAR DIAMETER NOR LESS THAN 20 INCHES. REINFORCING SHALL BE CONTINUOUS FOR THE FULL LENGTH OR WIDTH LESS THE CONCRETE COVER, EXCEPT WHERE LENGTHS ARE GIVEN. DO NOT SPLICE TRANSVERSE REINFORCING BARS. ADDITIONAL REINFORCING SHALL BE PROVIDED AT CORNERS, INTERSECTIONS, AND OTHER AREAS OF DISCONTINUITIES.
- E. SLAB REINFORCING SHALL BE LAPPED A MINIMUM OF 12 INCHES FOR #3 AND #4 REINFORCING BARS, AND NOT LESS THAN 6" FOR WELDED WIRE FABRIC (WWF).
- G. CORNER BARS IN FOOTING SHALL BE THE SAME SIZE AS THE LONGITUDINAL REINFORCING IN THE LAYER IT IS TO BE PLACED. CORNER BARS IN FOUNDATION WALLS SHALL BE THE SAME SIZE AS THE HORIZONTAL REINFORCING AND SHALL BE PLACED AT EACH LINE OF HORIZONTAL REINFORCING. CORNER BARS SHALL HAVE 24 INCHES MINIMUM LEG LENGTHS.
- H. CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING PER ACI 318 CHAPTER 7. (TOLERANCE FOR THE POSITION OF REINFORCING IS +/- 3/8 INCHES)
 - 3 INCHES - CONCRETE CAST AGAINST EARTH
 - 1 1/2 INCHES - #5 AND SMALLER BARS
 - 1 1/2 INCHES FROM TOP OF SLAB - CONCRETE SLAB ON GROUND
 - 3/4 INCHES - SITE CAST CONCRETE PANELS
- J. NO PIPES, CONDUITS, NOR ANY OTHER ITEMS USED BY OTHER TRADES SHALL BE EMBEDDED INTO THE CONCRETE, NOR PASS THROUGH CONCRETE MEMBERS WITHOUT PRIOR APPROVAL BY THE ARCHITECT.
- H. CONSTRUCTION JOINTS IN FOOTING AND FOUNDATION WALLS SHALL BE PLACED AT LOCATIONS SELECTED BY THE CONTRACTOR SUBJECT TO THE FOLLOWING RESTRICTIONS:
 - THERE SHALL BE NO JOINT WITHIN 5 FEET OF ANY CORNER OR INTERSECTION
 - JOINTS IN WALLS SHALL BE OFFSET FROM JOINTS IN FOOTINGS BY NOT LESS THAN 5 FEET.
 - SPLICES IN REINFORCING SHALL NOT BE LOCATED WITHIN 5 FEET ON ANY JOINT.
- HORIZONTAL AND VERTICAL KEYS NOT LESS THAN 1 1/2 INCHES DEEP BY 3 1/2 INCHES WIDE SHALL BE INSTALLED IN FOUNDATION WALLS AND FOOTINGS.
- J. CONSTRUCTION JOINTS IN SLAB (DOWELS JOINTS) SHALL BE PLACED AT LOCATIONS SELECTED BY THE CONTRACTOR SUBJECT TO APPROVAL BY THE ARCHITECT. CONTINUOUS THICKENED EDGES (SLAB THICKNESS PLUS 4 INCHES DEEP BY 4 FEET) SHALL BE PLACED AT CONSTRUCTION JOINTS. #4 SMOOTH BARS AT 18 INCHES ON CENTER SHALL BE PLACED PERPENDICULAR THE CONSTRUCTION JOINT. SMOOTH DOWELS SHALL NOT BE OVER LAPPED AT INTERSECTIONS OF CONSTRUCTION JOINTS.
- K. CRACK CONTROL JOINTS (CJ) IN SLAB SHALL BE PLACED AT LOCATIONS SHOWN ON PLANS. WHEN LOCATIONS ARE NOT PROVIDED ON THE PLANS THE CONTRACTOR SHALL PLACE CONTROL JOINTS AT LOCATIONS SELECTED BY THE CONTRACTOR SUBJECT TO APPROVAL BY THE ARCHITECT. THE CONTRACTOR SHALL LAYOUT THE CONTROL JOINT AT A SPACING NOT MORE THAN 12 FEET ON CENTER.
- L. CRACK CONTROL JOINTS SHALL BE FORM BY SAW CUTTING A CONTINUOUS SLOT 1/8 INCHES WIDE BY 1/5 THE DEPTH OF THE SLAB, BUT NOT LESS THAN 1 INCH DEEP. USE A POWER SAW WITH SUITABLE MASONRY CUTTING BLADE. SAW CUT CONCRETE AS SOON AS POSSIBLE AFTER THE CONCRETE HAS HARDENED. JOINTS SHALL BE CUT TRUE. SEAL JOINT WITH POLYURETHANE SEALANT UNLESS OTHER NOTED ON ARCHITECTURAL PLANS OR SPECIFICATIONS. ALL JOINTS SHALL BE SEALED OR OTHERWISE PROTECTED FROM SAND AND OTHER DEBRIS ENTERING THE JOINT DURING CONSTRUCTION.

EARTHWORK

- A. FOOTING AND SLABS SHALL BE PLACED ON ENGINEERED FILL ON PREPARED SUBGRADE. PROVIDE ENGINEERED FILL AS REQUIRED TO PROVIDE ADEQUATE DRAINAGE. REQUIREMENTS FOR EARTHWORK, INCLUDING EXCAVATION, FILL, AND BACK FILL SHALL BE IN ACCORDANCE WITH CHAPTER 18 OF THE 2015 IBC.
- B. ALL VEGETATION AND OTHER ORGANIC MATTER, PAVEMENT, EXISTING CONSTRUCTION AND MAN-MADE FILL (EXCEPT AS OTHERWISE NOTED) AND ANY OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED.
- C. REMOVE THE TOP 12 INCHES OF EXISTING MATERIAL, OR AS NECESSARY TO PERMIT THE PLACING OF FILL MATERIAL OF THE REQUIRED MINIMUM THICKNESS, WHICHEVER IS THE GREATER DEPTH. SEE EARTHWORK SCHEMATIC FOR THE EXTENT OF THE EXCAVATION, FILL, AND BACK FILL. DO NOT UNDERCUT EXISTING CONSTRUCTION. PROVIDE POSITIVE DRAINAGE AWAY FROM THE EXCAVATION AND PROMPTLY REMOVE ANY SURFACE WATER WHICH MAY ENTER THE EXCAVATION. SLOPE THE SIDES OF EXCAVATIONS AS REQUIRED FOR SLOPE STABILITY AND PROVIDE BARRICADES, LIGHTS, AND OTHER WARNING DEVICES AS NECESSARY FOR THE PROTECTION OF THE EXISTING PROPERTY, CONSTRUCTION, PERSONNEL, AND THE PUBLIC.
- D. PREPARATION OF SUBGRADE: AFTER THE EXCAVATIONS HAVE BEEN COMPLETED AND/OR SURFACE HAS BEEN CLEANED AND GRUBBED; THE SURFACE SHALL BE SCARIFIED, DISCED, OR OTHERWISE LOOSENED TO A MINIMUM DEPTH OF 8 INCHES, MOISTENED OR DRIED TO WITHIN 3% +/- OF THE OPTIMUM MOISTURE CONTENT. COMPACT TO NOT LESS THAN 95% (PER ASTM D-1557) OF MAXIMUM DENSITY.
- E. FILL AND BACK FILL: ALL FILL MATERIAL SHALL BE CLEAN, SATISFACTORY MATERIAL, AND IS TO BE REVIEWED BY THE ARCHITECT PRIOR TO USE. SITE MATERIAL MAY BE USED IF THEY HAVE THE REQUIRED PROPERTIES FOR STRUCTURAL FILL; OTHERWISE IMPORTED MATERIAL OR A COMBINATION OF SITE MATERIAL AND IMPORTED MATERIAL HAVING THE REQUIRED PROPERTIES SHALL BE USED. MATERIAL LARGER THAN 6 INCHES SHALL NOT BE PLACED IN THE STRUCTURAL FILL, OR BACK FILL. MATERIAL LARGER THAN 4 INCHES SHALL NOT BE PLACED WITHIN 12 INCHES OF THE BEARING SURFACES OF THE SLAB NOR THE FOUNDATIONS. NO BRUSH, SOD, FROZEN MATERIAL, OR OTHER UNSUITABLE MATERIAL SHALL BE PLACED IN THE STRUCTURAL FILL NOR BACK FILL.
- F. PLACEMENT AND COMPACTION OF FILL AND BACK FILL MATERIAL SHALL BE IN HORIZONTAL LIFTS NOT TO EXCEED 8 INCHES COMPACTED DEPTH. COMPACTION SHALL BE PERFORMED USING APPROPRIATE EQUIPMENT AS REQUIRED TO ACHIEVE THE SPECIFIED DENSITIES WITHOUT DAMAGE TO THE EXISTING CONSTRUCTION. DENSITIES ARE EXPRESSED AS MAXIMUM DENSITIES PERCENTAGES PER ASTM D-1557. SEE EARTHWORK SCHEMATIC.
- G. THE PLACEMENT OF A VAPOR BARRIER IS REQUIRED. THE VAPOR BARRIER SHOULD BE PLACED IN ACCORDANCE WITH ACI 302 1R-96
- H. GRANULAR FILL: THE PLACEMENT OF GRANULAR FILL IS NOT REQUIRED FOR STRUCTURAL SUPPORT. HOWEVER, SHOULD IT BE DESIRED AS A WORKING SURFACE PROVIDE A MINIMUM OF 4" THICK GRANULAR FILL BENEATH THE SLAB. GRANULAR FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS AS DETERMINED BY ASTM D422.

SIEVE SIZE (SQUARE OPENING)	PERCENT PASSING (BY DRY WEIGHT)
1 INCH	100
3/4 INCH	70-100
No. 4	35-85
No. 200	0-10

 PLASTICITY INDEX (ASTM D4318) OF 3 OR LESS
 COMPACT TO 95% PER ASTM D-1557
- J. THE FOUNDATION DESIGN IS BASED ON THE PRESUMPTIVE LOAD-BEARING VALUES OF SOILS GIVEN IN CHAPTER 18 OF THE 2015 IBC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE SUITABILITY OF EARTHWORK TO SUPPORT THE FOUNDATION.
- K. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETAINING THE SERVICES OF THE GEOTECHNICAL ENGINEER.

STRUCTURAL DESIGN DATA

BUILDING CODE:
NEW MEXICO COMMERCIAL BUILDING CODE (2015 IBC)

VERTICAL LOADS

DEAD LOAD	COLLATERAL LOAD	LIVE LOAD	GROUND SNOW LOAD
ROOF LOADS 5 PSF	15 PSF	20 PSF	35 PSF

SNOW LOAD IMPORTANCE FACTOR $I_s = 1.0$

FOUNDATION DESIGN FACTORS:

BEARING PRESSURE	1500 PSF
ACTIVE EARTH PRESSURE	35 PCF
PASSIVE EARTH PRESSURE (NATIVE)	250 PCF
EARTH PRESSURE AT REST	60 PCF
COEFFICIENT OF SLIDING	0.35

SEISMIC DESIGN FACTORS: 2015 IBC

LOCATION: LAS VEGAS, NM

SOIL PROFILE TYPE: D

$S_s=0.448$ $F_v=1.44$ $S_{ps}=2/3$ $F_v S_s = 0.431$
 $S_1=0.135$ $F_w=2.26$ $S_{ps1}=2/3$ $F_w S_1 = 0.204$

IMPORTANCE FACTOR $I_e=1.0$

SEISMIC GROUP: D

STRUCTURAL SYSTEM FACTOR $R=3.25$

SEISMIC FORCE

BASE SHEAR $V=(1.2 S_{ps1} I_e / R) W = 0.21 W$
 $F_p=0.4 S_{ps1} I_e W_w = 0.22 W_w$

WIND DESIGN FACTORS:

EXPOSURE: C

BASIC WIND SPEED (3 SEC GUST) $V_{ult}=115$ MPH $V_{asd}=90$ MPH

RISK CATEGORY: II

COMBINED EXPOSURE AND HEIGHT FACTOR (COMPONENTS & CLADDING)

HEIGHT	FACTOR	WIND PRESSURE		ROOF (FIELD)	
		WALLS (FIELD)	WALLS (FIELD)	GROSS UPLIFT (100SF)	Pult (Pasd=0.6ult)
0-15 FEET	0.85	21.1 PSF (12.6 PSF)	31.5 PSF (18.9 PSF)		
20	0.90	22.3 PSF (13.4 PSF)			
25	0.94	23.3 PSF (14.0 PSF)			

STRUCTURAL MATERIALS

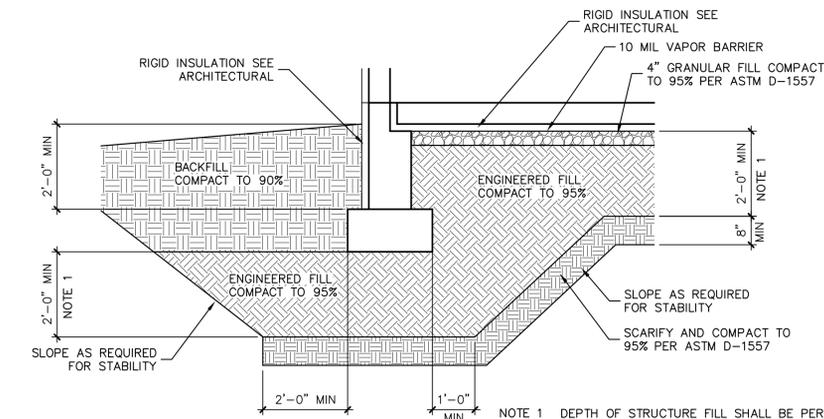
- CONCRETE: COMPRESSIVE STRENGTH (STANDARD CYLINDER TEST AT 28 DAYS)
- USAGE:
- CONCRETE EXPOSED TO WEATHER AND FOOTING $f_c = 3,000$ PSI
 - SLABS ON GROUND $f_c = 3,500$ PSI
 - SLAB ON GROUND - MIX DESIGN TO MINIMIZE SHRINKING AND CURING 1" AGGREGATE MIX
 - CEMENT 520 - 610 pcy 15% - 25% FLYASH
 - 60% COURSE AGGREGATE OF TOTAL AGGREGATE
 - 0.50 MAX WATER TO CEMENT RATIO
 - MORTAR FRACTION (> NO 8) 53%-55% TOTAL DRY WEIGHT.
- CEMENT: ASTM C150 TYPE I/II
- FLYASH: ASTM C618 (25% MAX)
- AGGREGATES: ASTM C33
- NOMINAL WEIGHT 145 PCF
- REINFORCEMENT:
- BARS: ASTM A615, DEFORMED GRADE 40 FOR STIRRUPS AND TIES
- GRADE 60 FOR ALL OTHER USES.
- STRUCTURAL STEEL: (ALL STEEL TO BE PRIMER RED)
- WIDE FLANGE (W): ASTM A992, GRADE B, $f_y = 50,000$ PSI
 - TUBE STEEL (TS): ASTM A500, GRADE B, $f_y = 46,000$ PSI
 - PIPE (P): ASTM A53, GRADE B, $f_y = 35,000$ PSI
 - OTHERS: ASTM A36, $f_y = 36,000$ PSI
- OTHER CONNECTIONS:
- BOLTS: ASTM 307, GRADE A (NOTE ASTM A36 THREADED MAY BE USED FOR ANCHOR BOLTS)
- NUTS: ASTM A563, GRADE A, HEXAGONAL
- DRILLED ANCHORS: HILTI KWIK BOLT 3 (OR EQUIVALENT)
- ENGINEERED FILL MATERIAL
- ENGINEERED FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS AS DETERMINED BY ASTM D422.
- | SIEVE SIZE (SQUARE OPENING) | PERCENT PASSING (BY DRY WEIGHT) |
|-----------------------------|---------------------------------|
| 4 INCHES | 100 |
| 3/4 INCH | 70-100 |
| No. 4 | 50-90 |
| No. 200 | 10-40 |
- PLASTICITY INDEX (ASTM D4318) OF 12 OR LESS

STRUCTURAL SHEET INDEX

- S-001 STRUCTURAL NOTES
- S-101 FOUNDATION PLAN
- S-102 ROOF FRAMING PLANS
- S-301 FOUNDATION DETAILS

EARTHWORK SCHEMATIC

NOT TO SCALE



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CONSULTANT

PROJECT NAME

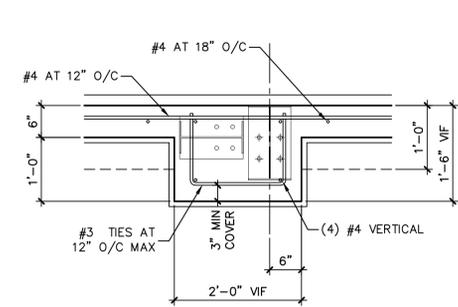
KIDDIE KAMPUS DAYKARE
 312 HARLAN DRIVE
 LAS VEGAS, NEW MEXICO
 ROSALIE MARTINEZ, OWNER

MARK	DATE	DESCRIPTION

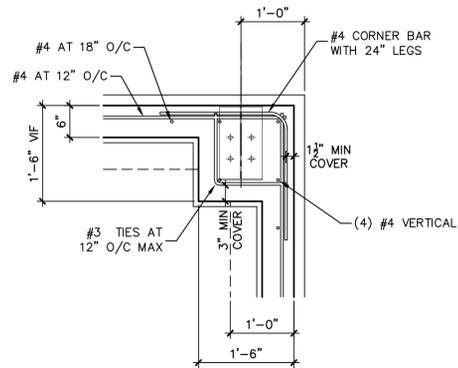
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 DRAWN BY job
 CHECKED BY job
 ISSUE DATE 10-22-2021
 FILE NAME: 2106_S-001_NOTES.DWG

SHEET NAME
STRUCTURAL NOTES

SHEET NUMBER
S-001



D2 PIER PLAN
3/4"=1'-0"



D3 PIER PLAN
3/4"=1'-0"

GENERAL NOTES

- A. SEE SHEET S-001 ADDITIONAL CONSTRUCTION REQUIREMENTS, STRUCTURAL MATERIALS, AND LOADING.
- B. DIMENSION AND GRID LINES ARE TO OUTSIDE FACE OF STEEL OR CENTER LINE OF COLUMNS. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- C. FINISH FLOOR ELEVATION IS SET TO 100'-0" SEE GRADING PLAN FOR ELEVATION ABOVE MEAN SEA LEVEL.
- D. THE CONTRACTOR SHALL REVIEW AND COORDINATE THE ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL DRAWING WITH THE STRUCTURAL WORK FOR ANY MISCELLANEOUS STRUCTURAL ELEMENTS THAT MAY BE CONTAINED ON THOSE DRAWING. THERE WILL BE NO ALLOWANCES FOR THE CONTRACTOR'S FAILURE TO DO SO.
- E. TOP OF FOOTING ELEVATION = 97'-6" UNLESS OTHERWISE NOTED.
- F. —CJ— DESIGNATES CONTROL JOINTS, SEE DETAIL A5/S-101
—DCJ— DESIGNATES DOWELED CONSTRUCTION JOINTS, SEE DETAIL A5/S-101

KEYNOTES

1. 6" THICK 3500 PSI CONCRETE SLAB WITH #4 AT 16" ON CENTER BOTH DIRECTIONS, AND RADIANT FLOOR HEATING SYSTEM
2. CONCRETE SIDE WALK SEE DETAIL B4/S-101 AND SITE PLAN.
3. 3000 PSI CONCRETE PIER AND FOOTING, SEE DETAIL A5/S-301.
4. STEEL FRAMING AT OPENING BY METAL BUILDING MANUFACTURER SEE DETAIL C4/S-301
5. DOOR OPENING SEE DETAILS A4/S-301 AND B4/S-301
6. FLOOR DRAIN SEE PLUMBING PLANS, SET TOP OF DRAIN 1" BELOW FINISH FLOOR ELEVATION AND SLOPE CONCRETE TO DRAIN.
7. 3000 PSI CONCRETE FOOTING, SEE DETAIL C5/S-301.
8. FLOOR SINK SEE PLUMBING PLANS.
9. 4" THICK 3000 AE PSI CONCRETE WALK SEE ARCHITECTURAL FOR LOCATIONS.

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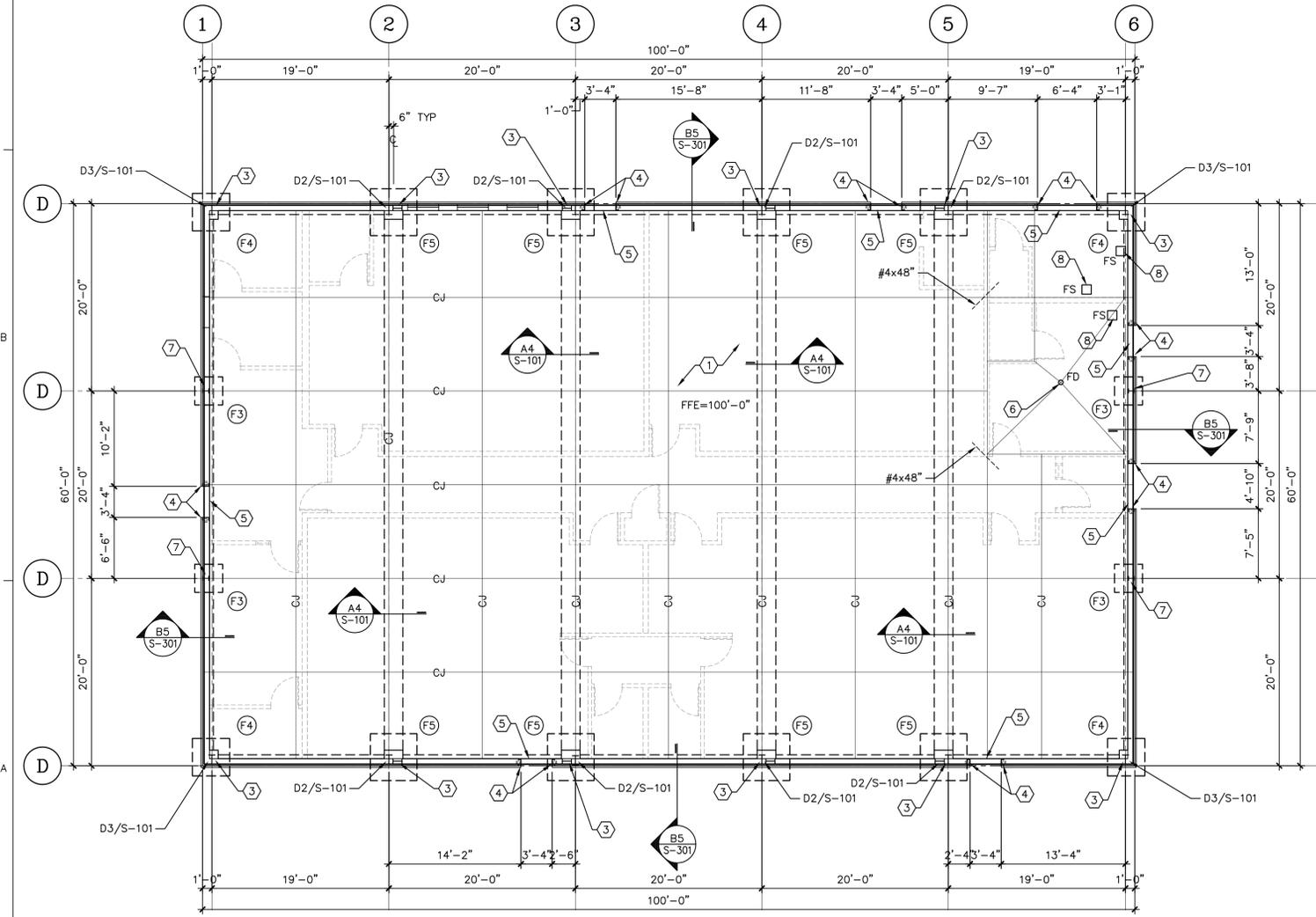
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PROFESSIONAL SEAL

CONSULTANT

PROJECT NAME

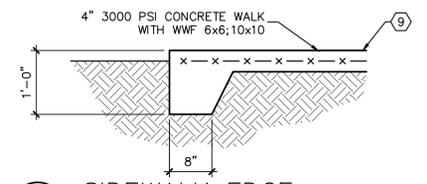
KIDDIE KAMPUS DAYKARE
312 HARLAN DRIVE
LAS VEGAS, NEW MEXICO
ROSALIE MARTINEZ, OWNER



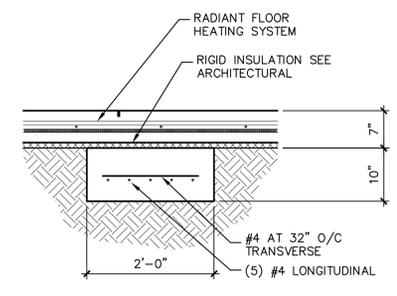
C1 FOUNDATION PLAN
1/8"=1'-0"

FOOTING SCHEDULE

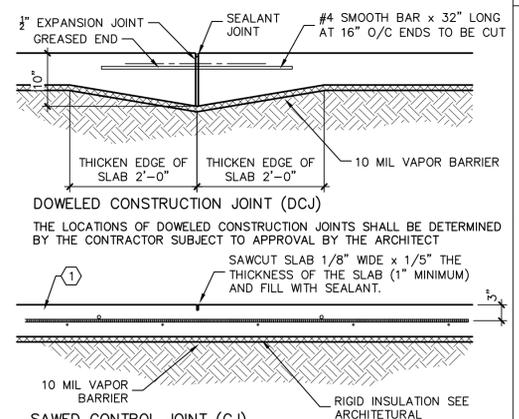
MARK	FOOTING SIZE	REINFORCEMENT
F3	3'-0"x3'-0"x1'-0"	(3) #5 BOTH DIRECTIONS
F5	5'-0"x5'-0"x1'-0"	(5) #5 BOTH DIRECTIONS
A	5'-0"x 1'-0"t CONT.	(5) #5 LONG. & #4 AT 18" O/C TRANS.
B	1'-6" DIA x 2'-3"	(4) #4 VERTICAL & #3 TIES AT 12" O/C MAX



B4 SIDEWALK EDGE
3/4"=1'-0"



A4 TIE BEAM
3/4"=1'-0"



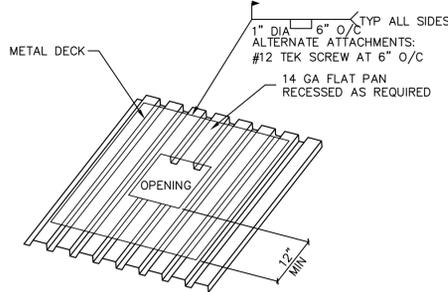
A5 CONSTRUCTION JOINT
3/4"=1'-0"

MARK	DATE	DESCRIPTION

PROJECT NUMBER 2106
DRAWN BY job
CHECKED BY job
ISSUE DATE 10-22-2021
FILE NAME: 2106_S101_FOUNDATION-PLAN.DWG

SHEET NAME
FOUNDATION PLAN

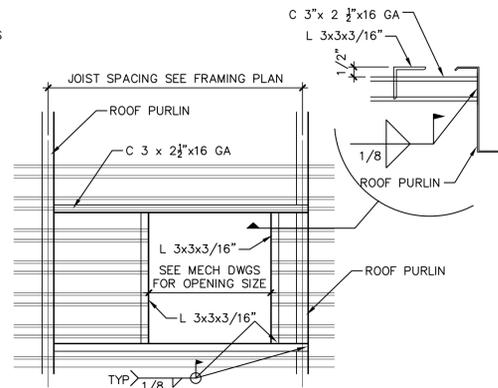
SHEET NUMBER
S-101



NOTE:
SEE MECHANICAL DRAWINGS FOR SIZE AND
LOCATIONS OF OPENINGS

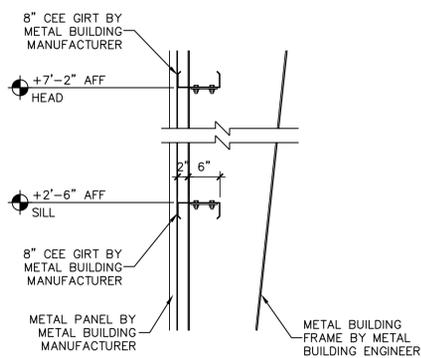
TYPICAL OPENING IN ROOF DECK 12 INCHES AND SMALLER

D1 TYP ROOF OPENING
3/4"=1'-0"

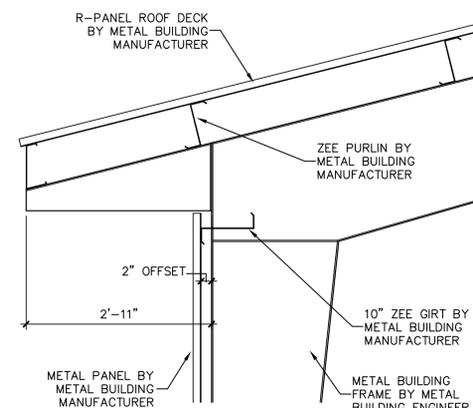


TYPICAL OPENING IN ROOF DECK GREATER THAN 12 INCHES

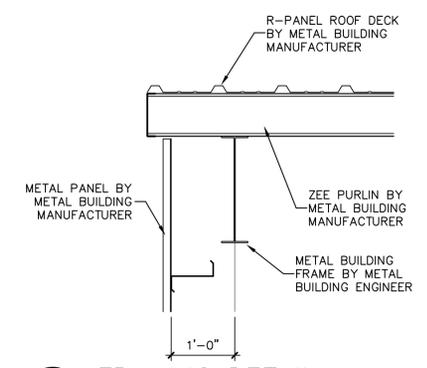
D2 ROOF OPENING DETAIL
3/4"=1'-0"



D3 FRAMING AT OPENINGS
3/4"=1'-0"



D4 FRAMING DETAIL
3/4"=1'-0"



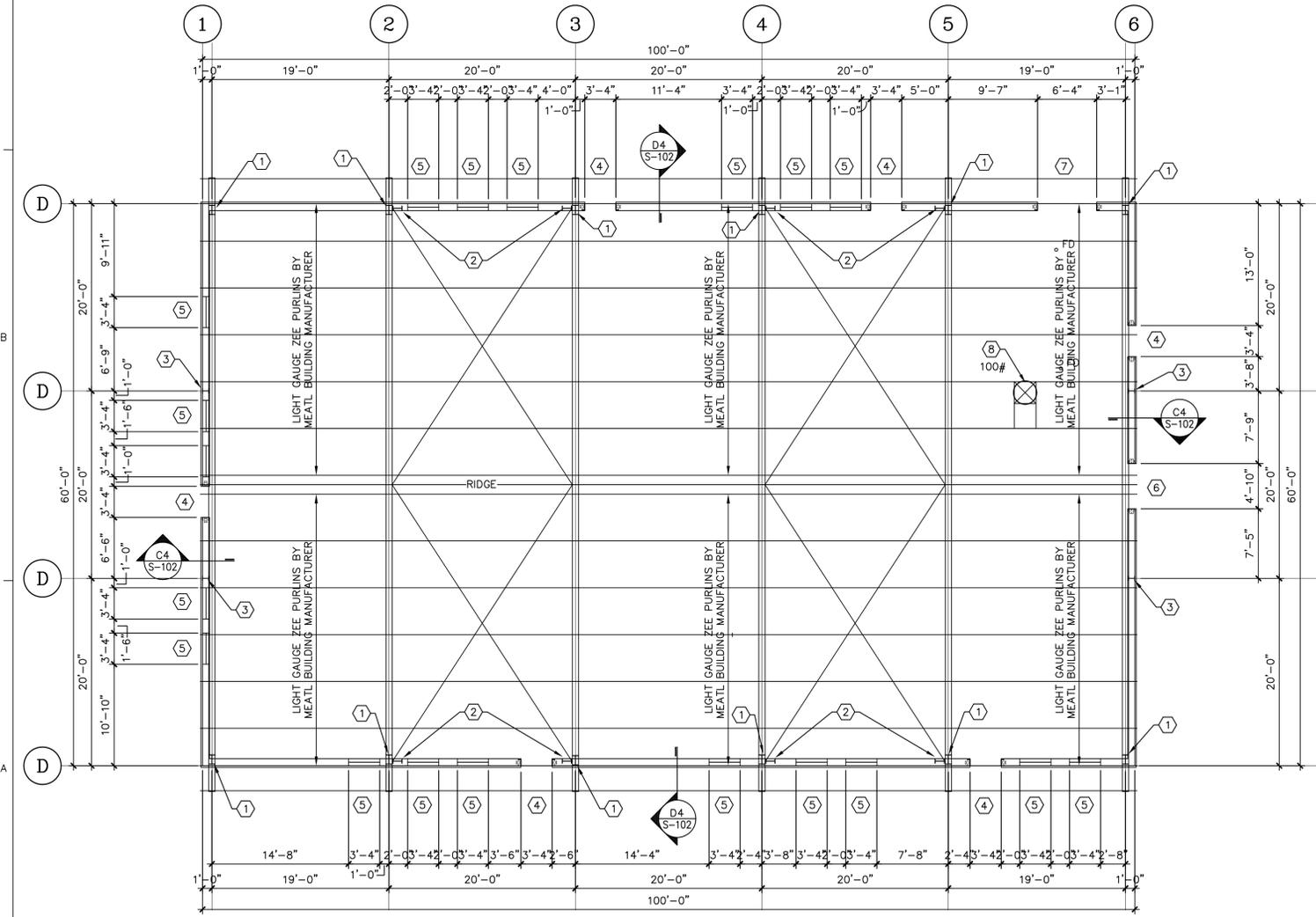
C4 FRAMING DETAIL
3/4"=1'-0"

GENERAL NOTES

- A. SEE SHEET S-001 ADDITIONAL CONSTRUCTION REQUIREMENTS, STRUCTURAL MATERIALS, AND LOADING.
- B. DIMENSION AND GRID LINES ARE TO OUTSIDE FACE OF STEEL OR CENTER LINE OF COLUMNS. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- C. FINISH FLOOR ELEVATION IS SET TO 100'-0" SEE GRADING PLAN FOR ELEVATION ABOVE MEAN SEA LEVEL.
- D. THE CONTRACTOR SHALL REVIEW AND COORDINATE THE ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL DRAWING WITH THE STRUCTURAL WORK FOR ANY MISCELLANEOUS STRUCTURAL ELEMENTS THAT MAY BE CONTAINED ON THOSE DRAWING. THERE WILL BE NO ALLOWANCES FOR THE CONTRACTOR'S FAILURE TO DO SO.
- E. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF MECHANICAL OPENING. SEE TYPICAL DETAIL D1/S-102 AND D2/S-102 FOR FRAMING AROUND OPENING IN DECK.

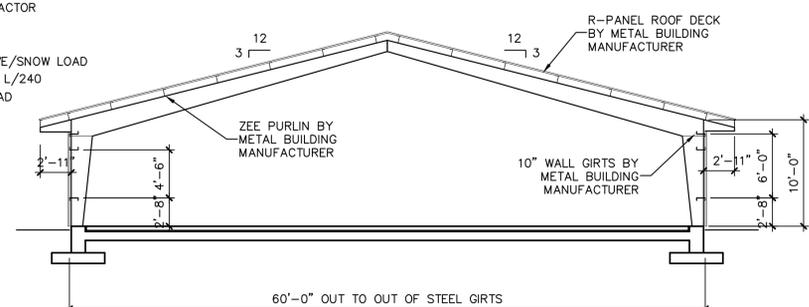
KEYNOTES

- 1. STEEL COLUMN BY METAL BUILDING MANUFACTURER
- 2. PORTAL FRAME BY METAL BUILDING MANUFACTURER
- 3. END WAL COLUMNS BY METAL BUILDING MANUFACTURER, NOT TO BE DESIGNED FOR VERTICAL LOADS.
- 4. DOOR OPENING (3'-4" w x 7'-2" h) PROVIDE CEE FRAMING AROUND OPENING.
- 5. WINDOW OPENING (4'-0" w x 4'-6" h) PROVIDE CEE FRAMING AROUND OPENING.
- 6. DOOR OPENING (4'-10" w x 7'-2" h) PROVIDE CEE FRAMING AROUND OPENING.
- 7. DOOR OPENING (6'-4" w x 7'-2" h) PROVIDE CEE FRAMING AROUND OPENING.
- 8. ROOF TOP MECHANICAL UNIT PROVIDE ADDITIONAL FRAMING AROUND OPENING PER DETAIL D2/S-102. SEE MECHANICAL PLANS FOR SIZE OF OPENING.



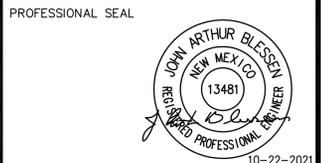
C1 ROOF FRAMING PLAN
1/8"=1'-0"

VERTICAL ROOF LOADS
DEAD LOAD COLLATERAL LOAD
5 PSF 10 PSF
LIVE LOAD GROUND SNOW LOAD
20 PSF 35 PSF
SNOW LOAD IMPORTANCE FACTOR
I_S = 1.0
DEFLECTION LIMITS
DEAD + LIVE LOADS LIVE/SNOW LOAD
L/180 L/240
EXTERIOR WALLS WIND LOAD
L/180
FRAME DRIFT LIMIT H/100



A4 FRAME SECTION
1/8"=1'-0"

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CONSULTANT

PROJECT NAME
KIDDIE KAMPUS DAYKARE
312 HARLAN DRIVE
LAS VEGAS, NEW MEXICO
ROSALIE MARTINEZ, OWNER

MARK	DATE	DESCRIPTION

PROJECT NUMBER 2106
DRAWN BY job
CHECKED BY job
ISSUE DATE 10-22-2021
FILE NAME: 2106_S102_FRAMING-PLAN.DWG

SHEET NAME
ROOF FRAMING PLAN

SHEET NUMBER
S-102

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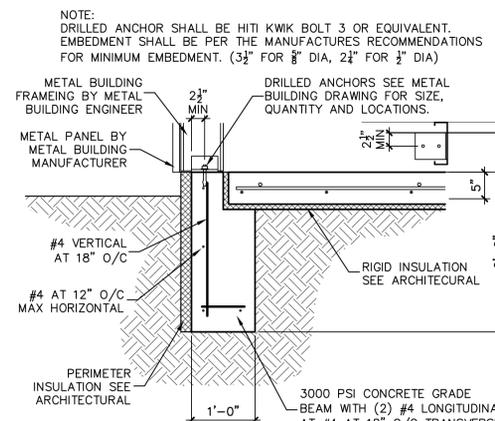
PROFESSIONAL SEAL



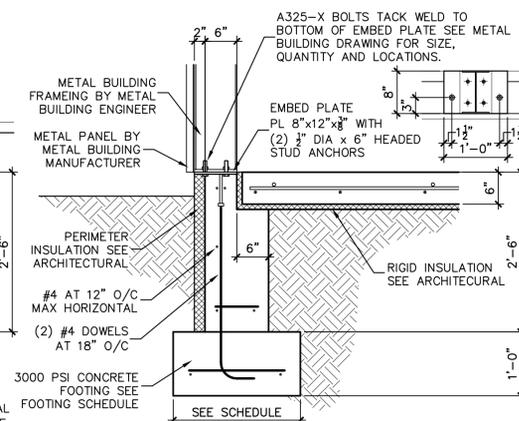
CONSULTANT

PROJECT NAME

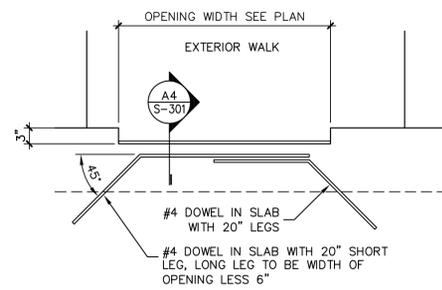
KIDDIE KAMPUS DAYKARE
 312 HARLAN DRIVE
 LAS VEGAS, NEW MEXICO
 ROSALIE MARTINEZ, OWNER



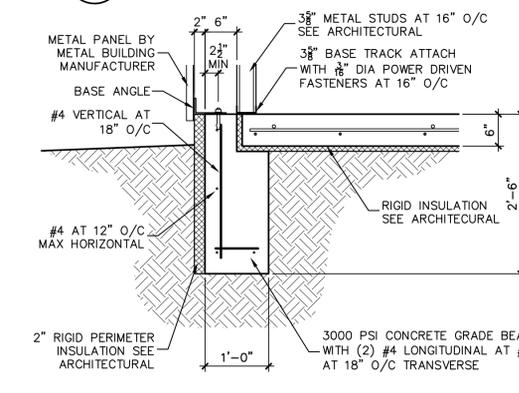
C4 FOUNDATION DETAIL
 3/4"=1'-0"



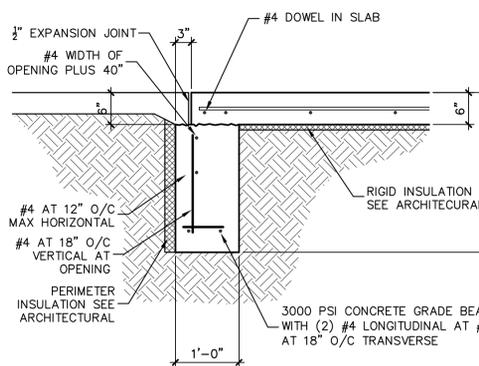
C5 FOUNDATION DETAIL
 3/4"=1'-0"



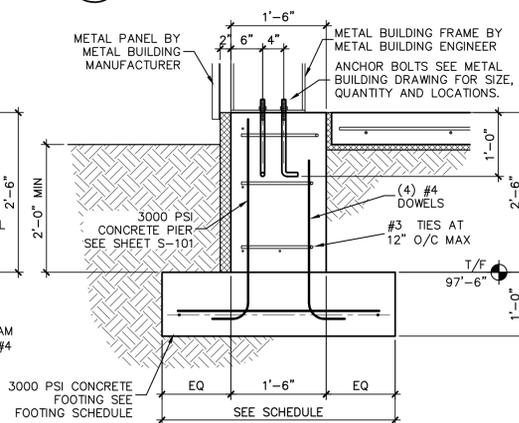
B4 DOOR OPENING
 NOT TO SCALE



B5 FOUNDATION DETAIL
 3/4"=1'-0"



A4 DOOR DETAIL
 3/4"=1'-0"



A5 FOUNDATION DETAIL
 3/4"=1'-0"

MARK	DATE	DESCRIPTION

PROJECT NUMBER	2106
DRAWN BY	job
CHECKED BY	job
ISSUE DATE	10-20-2021
FILE NAME:	2106_S301_DETAILS.DWG

SHEET NAME
FOUNDATION DETAILS

SHEET NUMBER
S-301



CONSULTANT



PROJECT NAME

KIDDIE KAMPUS DAYKARE
 312 HARLAN DRIVE
 LAS VEGAS, NEW MEXICO
 ROSALIE MARTINEZ, OWNER

MECHANICAL/PLUMBING LEGEND

SYMBOL	DESCRIPTION	PIPING SYMBOLS
DUCTWORK SYMBOLS		
	SECTION THROUGH RECTANGULAR SUPPLY DUCT	FLOW IN DIRECTION OF ARROW
	SECTION THROUGH RECTANGULAR EXHAUST OR RETURN DUCT	PITCH DOWN IN DIRECTION OF ARROW
	SECTION THROUGH ROUND DUCT, SUPPLY OR EXHAUST AS NOTED	VALVE IN RISE OF PIPE (TYPE AS SPECIFIED OR NOTED)
	CEILING SUPPLY AIR DIFFUSER	RISER DOWN (ELBOW)
	RETURN AIR GRILLE OR EXHAUST REGISTER	RISER UP (ELBOW)
	SIDEWALL SUPPLY REGISTER	RISE OR DROP
	FLEXIBLE DUCT, SIZE AS SHOWN	BRANCH - TOP CONNECTION
	HAND (VOLUME) DAMPER IN DUCT	BRANCH - BOTTOM CONNECTION
	RECTANGULAR-TO-ROUND TRANSITION	VALVE IN RISE
	VERTICAL FIRE DAMPER IN DUCT AT FIRE PARTITION	GATE VALVE
	HORIZONTAL FIRE DAMPER AT FLOOR PENETRATION	BUTTERFLY VALVE
	ACCESS DOOR	BALL VALVE
	KEYED NOTE	CHECK VALVE
CONTROLS SYMBOLS		
	THERMOSTAT	2-WAY CONTROL VALVE
	DAMPER MOTOR	3-WAY CONTROL VALVE
	IONIZATION SMOKE DETECTOR	CONCENTRIC REDUCER
	FREEZE/ESTAT	FLEXIBLE CONNECTION
	TEMPERATURE SENSOR	FLEXIBLE CONNECTION
	HUMIDITY SENSOR	FLEXIBLE CONNECTION
	DEW POINT SENSOR	FLANGE CONNECTION
	STATIC PRESSURE SENSOR	PRESSURE REDUCING VALVE (PRV)
	FLOW SWITCH	SOLENOID VALVE
PIPING SYMBOLS		
	EXISTING PIPING	BALANCING VALVE
	HEATING WATER RETURN	UNION
	HEATING WATER SUPPLY	STRAINER
	CHILLED WATER RETURN	T&P RELIEF VALVE
	CHILLED WATER SUPPLY	THERMOMETER
	COOLING TOWER WATER SUPPLY	FLOW SWITCH
	COOLING TOWER WATER RETURN	NEEDLE VALVE
	DRAIN (CONDENSATE OR RELIEF)	HOSE BIB
	VENT	DEMOLITION
	REFRIGERANT SUCTION	T&P PLUG
	REFRIGERANT LIQUID	PIPE ANCHOR
	COMPRESSED AIR	PIPE GUIDE
	GAS LINE	BALANCING VALVE WITH PRESSURE PORTS (CIRCUIT SETTER)
	SANITARY SEWER	

MECHANICAL/PLUMBING ABBREVIATIONS

ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AFG	ABOVE FINISHED GRADE	LDBT	LEAVING DRY BULB TEMPERATURE
AHJ	AUTHORITY HAVING JURISDICTION	LWBT	LEAVING WET BULB TEMPERATURE
ARCH	ARCHITECT	LWT	LEAVING WATER TEMPERATURE
CFH	CUBIC FEET PER HOUR	MAT	MIXED AIR TEMPERATURE
CFM	CUBIC FEET PER MINUTE	MBH	THOUSAND BTU PER HOUR
CLG	CEILING	MCA	MINIMUM CIRCUIT AMPACITY
CO	CARBON MONOXIDE	MISC	MISCELLANEOUS
CO	CLEANOUT	MOC	MAXIMUM OVERCURRENT PROTECTION
COTG	CLEANOUT TO GRADE	NC	NOISE CRITERIA
CO2	CARBON DIOXIDE	NEC	NATIONAL ELECTRICAL CODE
CU	CONDENSING UNIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CW	COLD WATER	NTS	NOT TO SCALE
DB	DRY BULB	OA	OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROLS	OFD	OVERFLOW DRAIN
DEG F	DEGREES FAHRENHEIT	PPM	PARTS PER MILLION
DWH	DOMESTIC WATER HEATER	PRV	PRESSURE REDUCING VALVE
EDBT	ENTERING DRY BULB TEMPERATURE	PSI	POUNDS PER SQUARE INCH
EF	EXHAUST FAN	RA	RETURN AIR
EL	ELEVATION	RAT	RETURN AIR TEMPERATURE
ETC	ET CETERA	RD	ROOF DRAIN
EWBT	ENTERING WET BULB TEMPERATURE	RH	RELATIVE HUMIDITY
EWT	ENTERING WATER TEMPERATURE	RM	ROOM
FCO	FLOOR CLEAN-OUT	RPM	REVOLUTIONS PER MINUTE
FD	FLOOR DRAIN	RTU	ROOF TOP UNIT
FDC	FIRE DEPARTMENT CONNECTION	SA	SUPPLY AIR
FH	FIRE HYDRANT	SD	STORM DRAIN
FPM	FEET PER MINUTE	SF	SQUARE FOOT
FS	FLOOR SINK	SS	SANITARY SEWER
GAS	NATURAL GAS	SUB	SUBSTITUTE
GC	GENERAL CONTRACTOR	TSTAT	THERMOSTAT
GPM	GALLONS PER MINUTE	TYP	TYPICAL
GT	GREASE TRAP	UNO	UNLESS NOTED OTHERWISE
HB	HOSE BIB	UR	URINAL
HD	HEAVY DUTY	V	VENT
HT	HEIGHT	W/	WITH
HW	HOT WATER	W/O	WITHOUT
HWR	HOT WATER RETURN	WB	WET BULB
HWS	HOT WATER SUPPLY	WC	WATER CLOSET
IBC	INTERNATIONAL BUILDING CODE	WCO	WALL CLEAN-OUT
J-BOX	JUNCTION BOX	WHA	WATER HAMMER ARRESTOR

PIPING MATERIALS

DOMESTIC HOT AND COLD WATER PIPING:
 TYPE K HARD COPPER TUBE, WROUGHT COPPER FITTINGS, NO LEAD SOLDER, BRONZE BALL VALVES

PEX TUBING, METAL INSERT AND COPPER CLAMP RING OR ASSE 1061 PUSH-FIT FITTINGS. BRONZE BALL VALVES.

SOIL, WASTE, AND VENT PIPING:
 BELOW GRADE -- STANDARD WEIGHT C.I. NO HUB WITH HEAVY DUTY CLAMPS OR SCH 40 PVC WITH SOCKET TYPE FITTINGS
 ABOVE GRADE -- STANDARD WEIGHT C.I. NO HUB WITH STANDARD CLAMPS

PROPANE GAS PIPING:
 SCH 40 BLACK STEEL PIPE, MALLEABLE IRON FITTINGS, NON-LUBRICATED BALL VALVES WITH RESILIENT SEATS. AGA AND UL LISTED FOR GAS SERVICE

WATER HAMMER ARRESTORS:
 INSTALL WATER HAMMER ARRESTORS AT ALL QUICK-CLOSING VALVES. REFER TO PDI-200 FOR INSTALLATION SIZING AND LOCATIONS. PISTON TYPE ARRESTOR ONLY. SOUJX CHIEF 'HYDRARRESTER' OR EQUAL. NO BELLOW TYPE. PROVIDE WITH ISOLATION VALVE

DUCT MATERIAL

DUCTWORK: G60 GALVANIZED SHEET STEEL; LOCK FORMING QUALITY; CONSTRUCTED TO THE LATEST EDITION OF SMACNA "HVAC DUCT CONSTRUCTION STANDARDS"; +/- 1" W.C. PRESSURE CLASSIFICATION, SEAL CLASS "C"; WITH GALVANIZED STEEL FASTENERS, ANCHORS, ANGLES, STRAPS, ETC.

ROUND DUCT: SPIRAL SEAM, GALVANIZED STEEL. DIE STAMPED OR 5 GORE ELBOWS.

SEAL ALL SEAMS (LONGITUDINAL AND TRANSVERSE) AIRTIGHT WITH UNITED MCGILL "UNI-GRIP" UL LISTED, WATER BASED, NON-HARDENING, ELASTIC SEALANT OR EQUIVALENT. TAPE NOT ALLOWED.

FLEXIBLE DUCTWORK: UL LISTED AND LABELED, CLASS 1 AIR DUCT. WORKING PRESSURE RATING: POS. 6", NEG. 4". FLEXMASTER TYPE 5 OR EQUIVALENT. 5 FEET MAX LENGTH.

GENERAL MECHANICAL AND PLUMBING NOTES:

- ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS TO PREVENT VOIDING OF WARRANTY. REFER TO EXISTING ROOF WARRANTY WHEN PERFORMING WORK ON ROOF AND FOLLOW WARRANTY REQUIREMENTS.
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR ALL CEILING PENETRATIONS AND AIR DEVICE LOCATIONS. VERIFY CEILING TYPES BEFORE ORDERING AIR DEVICES. IN HARD CEILINGS AND WALLS, PROVIDE ACCESS PANELS TO FULLY ACCESS AND SERVICE ALL ISOLATION VALVES, FIRE/SMOKE DAMPERS, BALANCING DAMPERS, CONTROL DEVICES, AND ALL OTHER DEVICES THAT REQUIRE MAINTENANCE.
- PROVIDE SOUND ELBOW FOR ALL CEILING RETURN/TRANSFER AIR GRILLES AS SHOWN IN DETAIL SHEET, UNLESS SHOWN WITH A DIFFERENT DUCT CONFIGURATION. USE NO MORE THAN 5 FT OF FLEXIBLE DUCT LENGTHS. ALL OTHER DUCTWORK SHALL BE RIGID METAL, PER SPECIFICATIONS. SEE DUCT CONSTRUCTION SCHEDULE AND SPECIFICATIONS FOR SPECIFIC AND GENERAL MATERIALS AND REQUIREMENTS. ALL RECTANGULAR SQUARE ELBOWS SHALL BE PROVIDED WITH INTERNAL TURNING VANES. INSTALL FLEXIBLE DUCT CONNECTIONS BETWEEN DUCTWORK AND ANY EQUIPMENT CONTAINING A MOTOR (NO EXCEPTIONS). DUCT DIMENSIONS ARE INSIDE DIMENSIONS. INCREASE SIZE OF DUCTS IF ACOUSTIC LINING IS SCHEDULED OR SPECIFIED. DO NOT INSTALL THERMOSTATS ON EXTERIOR WALLS.
- ALL MATERIALS ON PLANS ARE NEW, UNLESS INDICATED OTHERWISE. OWNER HAS FIRST RIGHT OF REFUSAL OF ANY AND ALL EQUIPMENT AND MATERIALS. ANY EQUIPMENT OR MATERIAL REQUIRING SERVICE SHALL BE INSTALLED 10FT FROM EDGE OF ROOF OR PARAPETS.
- SUPPORT ALL PIPING, DUCTS, EQUIPMENT ON ROOF USING FLASHED AND COUNTER FLASHED CURB. LENGTH OF CURB SHALL REACH ALL STRUCTURAL MEMBERS UNDER UNIT PLUS ONE ON EACH SIDE. REPAIR DISTURBED AREAS TO A LIKE CONDITION.
- DRAWINGS ARE CONSIDERED SCHEMATIC IN NATURE. PROVIDE REQUIRED FITTINGS AND OFFSETS FOR A COMPLETELY OPERATIONAL INSTALLATION. EQUIVALENT DUCT MAY BE SUBSTITUTED IN ACCORDANCE TO SMACNA. PRIOR APPROVAL IS REQUIRED FROM OWNER INSTALLATION. ALL DUCTWORK SHALL BE CONSTRUCTED TO MEET SMACNA STANDARDS.
- ALL BACKDRAFT DAMPERS SHALL BE COUNTERBALANCED TYPE WITH ADJUSTABLE WEIGHTS AND VINYL SEALS, UNLESS NOTED, SIMILAR TO NAILOR 1370CB. MINIMUM DAMPER PERFORMANCE SHALL INCLUDE A BLADE REACTION AT 0.01" W.G. AND A MAXIMUM LEAKAGE OF 15 CFM/SF AT 1" W.G. MOTORIZED OUTDOOR AIR DAMPERS SHALL BE RATED AT 4 CFM/SF AT 1.0" W.G. WHEN TESTED IN ACCORDANCE TO AMCA. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE AVAILABLE AT THE JOB SITE FOR ALL FIRE AND SMOKE DAMPERS AT THE TIME OF ROUGH-IN INSPECTION.
- ALL MATERIAL ABOVE THE CEILING WHERE THIS SPACE IS USED AS A RETURN AIR PLENUM MUST BE NON-COMBUSTIBLE. ALL LOW VOLTAGE/ COMMUNICATIONS CABLE MUST BE PLENUM RATED AND ALL ELECTRICAL WIRING MUST BE IN A PLENUM RATED SHEATH OR CONDUIT.
- ALL PIPING SHALL BE ADEQUATELY SUPPORTED FROM THE BUILDING STRUCTURE TO PREVENT SAGGING, POCKETING, SWAYING OR DISPLACEMENT BY MEANS OF HANGERS AND SUPPORTS. PIPING IS NOT TO BE SUPPORTED BY EQUIPMENT. PROVIDE DIELECTRIC UNIONS BETWEEN DISSIMILAR MATERIALS. PROVIDE MANUAL AIR VENTS AND CAPPED HOSE-END DRAINS WITH ISOLATION VALVE AT PIPING HIGH AND LOW POINTS. WELD PIPE IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS. WELDERS SHALL BE CERTIFIED FOR TYPE OF WELD BEING PERFORMED. FLUSH OUT PIPING AND REMOVE CONTROL DEVICES BEFORE PERFORMING PRESSURE TEST. DO NOT USE PIPING SYSTEM VALVES TO ISOLATE SECTIONS WHERE TEST PRESSURE EXCEEDS VALVE PRESSURE RATING. PRESSURIZE PIPING AT 100 PSIG. IF LEAKAGE IS OBSERVED OR IF TEMPERATURE COMPENSATED PRESSURE DROP EXCEEDS 1% OF TEST PRESSURE, REPAIR LEAKS AND RETEST. DO NOT USE AIR PRESSURE TO TEST PLASTIC PIPE. PROVIDE SUPPORT UNDER ELBOWS ON PUMP SUCTION AND DISCHARGE LINES.
- AFTER INSTALLATION OF SYSTEM, PERFORM AN OPERATIONAL TEST IN THE PRESENCE OF THE OWNER, ARCHITECT, OR ENGINEER. THIS TEST WILL CONSIST OF SUCCESSFULLY DEMONSTRATING APPEARANCE OF INSTALLATION, FUNCTION OF ALL CONTROLS, THE CONTROLS SHALL BE OPERATED IN THE FOLLOWING MODES IN EACH ZONE: OCCUPIED/UNOCCUPIED. IF THE TEST IS NOT SUCCESSFUL IN THE OPINION OF THE ARCHITECT OR ENGINEER, DEFICIENCIES WILL BE REMEDIATED AND THE SYSTEM WILL BE RE-TESTED UNTIL THE TEST IS SUCCESSFUL.
- WHERE NEW MECHANICAL SYSTEMS ARE USED FOR TEMPORARY VENTILATION OR CLIMATE CONTROL, MECHANICAL EQUIPMENT INSTALLER SHALL BE PROVIDE CONSTRUCTION FILTERS, MAINTAIN EQUIPMENT, AND CLEAN, ADJUST AND PUT IN NEW CONDITION BEFORE BUILDING OCCUPANCY. PARTS AND LABOR WARRANTY SHALL NOT BE CONSIDERED TO START UNTIL ACCEPTANCE OF THE SYSTEM BY OWNER.

PROJECT SCOPE:

Installation of HVAC and plumbing for new Daycare Facility.

PROJECT CODES:

- 2015 UNIFORM PLUMBING CODE
- 2015 UNIFORM MECHANICAL CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE

MINIMUM PIPE INSULATION

BASED ON: INTERNATIONAL ENERGY CONSERVATION CODE 2018, SECTIONS C404.4 AND C404.5

PIPING FROM A WATER HEATER TO THE TERMINATION OF THE HEATED WASTER SUPPLY PIPE SHALL BE INSULATED AS PER TEH TABLE BELOW. INSULATION SHALL HAVE A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/HRxFT 2x°F (R-3 min.). THE FIRST 8' OF BOTH INLET AND OUTLET PIPING OF A WATER HEATER SHALL BE INSULATED WITH 1" OF MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/HRxFT 2x°F.

ALL INSULATION TO HAVE FACTORY APPLIED ASJ COMPLYING WITH ASTM C 1136, TYPE I.

MINIMUM PIPE INSULATION ^a		
FLUID	NOMINAL PIPE DIAMETER	
	<1.5"	>1.5"
HEATING WATER	1.5"	2.0"
DOMESTIC HOT WATER	1.0"	1.5"
DOMESTIC COLD WATER ^b	0.5"	1.0"
CHILLED WATER, BRINE OR REFRIGERANT	1.0"	1.5"

- a. BASED ON INSULATION HAVING A CONDUCTIVITY (k) NOT EXCEEDING 0.27 BTU PER INCH /HRxFT 2x°F (R-3 MIN.)
- b. DOMESTIC COLD WATER INSULATION BASED ON CONDENSATION CONTROL, NOT IECC REQUIREMENTS.

SEISMIC RESTRAINT FOR WATER HEATERS.

BASED ON: UNIFORM PLUMBING CODE SECTION 507.2

IN SEISMIC DESIGN CATEGORIES C,D,E, AND F, WATER HEATERS SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION. STRAPPING SHALL BE AT POINTS WITHIN THE UPPER ONE-THIRD AND LOWER ONE-THIRD OF ITS VERTICAL DIMENSIONS. AT THE LOWER POINT, A DISTANCE OF NOT LESS THAN 4" SHALL BE MAINTAINED ABOVE THE CONTROLS WITH THE STRAPPING.

TEMPERATURE AND HOT WATER SYSTEM CONTROLS

BASED ON: IECC 2018 CODE SECTION C404.7

AUTOMATIC-CIRCULATING HOT WATER SYSTEMS SHALL BE PROVIDED WITH A CIRCULATION PUMP. SYSTEM RETURN PIPING SHALL BE DEDICATED. CONTROLS SHALL AUTOMATICALLY TURN OFF THE PUMP WHEN WATER IN THE CIRCULATION LOOP IS AT THE DESIRED TEMPERATURE AND WHEN THERE IS NOT A DEMAND FOR HOT WATER.

MINIMUM DUCT INSULATION

BASED ON: INTERNATIONAL ENERGY CONSERVATION CODE 2018, SECTION C403.11

DUCT AND PLENUM INSULATION AND SEALING:

ALL SUPPLY AND RETURN DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE THE BUILDING. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPTED SPACES BY A MINIMUM OF R-8 INSULATION.

INSULATION WITHIN DUCTS AND PLENUMS SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND A SMOKE DEVELOPMENT INDEX NOT TO EXCEED 50 PER 2015 IMC 602.2 AND 604.1

EXCEPTIONS:

- WHEN LOCATED WITHIN EQUIPMENT.
- WHEN THE DESIGN TEMPERATURE DIFFERENCE BETWEEN THE INTERIOR AND EXTERIOR OF THE DUCT OR PLENUM DOES NOT EXCEED 15°F (8°C).

MARK	DATE	DESCRIPTION

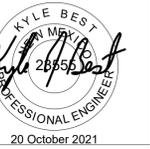
PROJECT NUMBER	
DRAWN BY	KJB
CHECKED BY	KJB
ISSUE DATE	10/20/2021
FILE NAME:	

SHEET NAME
MECHANICAL COVER AND NOTES

SHEET NUMBER
PM-001

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PROFESSIONAL SEAL



CONSULTANT



PROJECT NAME

KIDDIE KAMPUS DAYKARE
 312 HARLAN DRIVE
 LAS VEGAS, NEW MEXICO
 ROSALIE MARTINEZ, OWNER

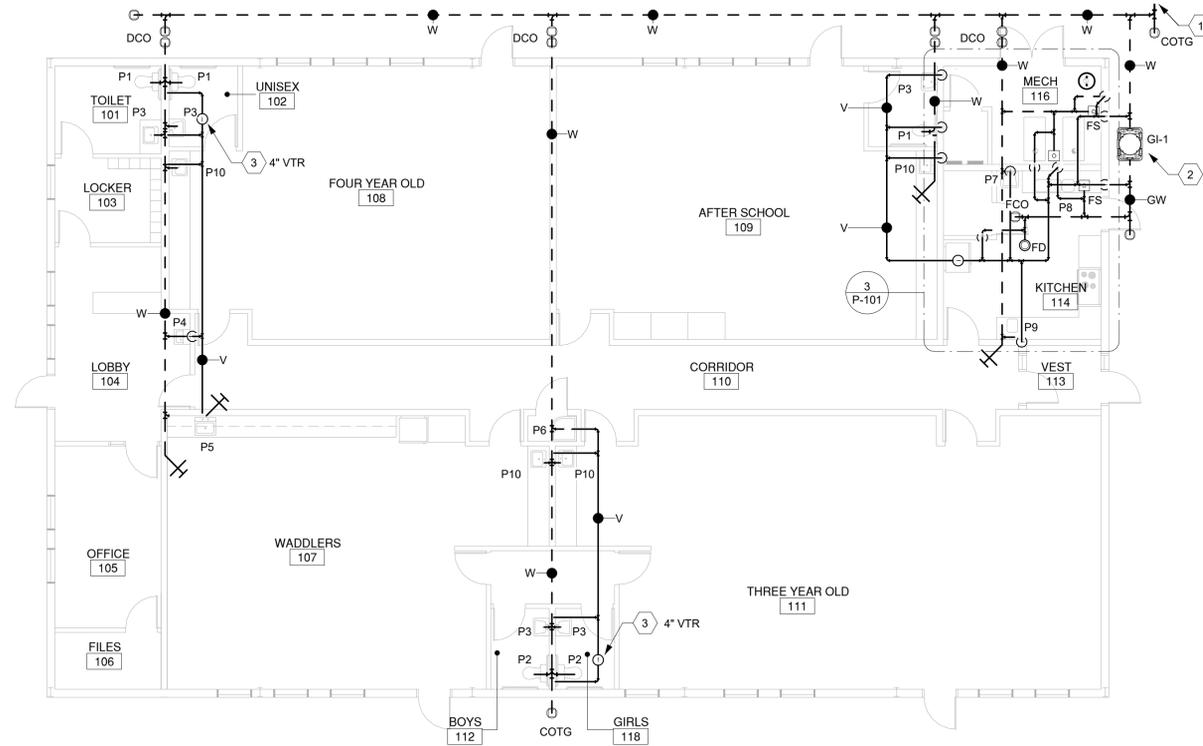
GENERAL NOTES:

1. REFER TO PM-001 FOR GENERAL NOTES AND SYMBOLS.
2. REFER TO P-601 FOR SCHEDULES AND DIAGRAMS.
3. REFER TO RISER DIAGRAMS FOR PIPE SIZING
4. SUPPORT ALL PIPES WITH MSS SP-58 COMPONENTS. PROVIDE SADDLES AT ALL INSULATED PIPES.
5. PROVIDE COMPLETE SEPTIC TANK AND LEACH FIELD DESIGN AS A DEFERRED SUBMITTAL DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH OWNER FOR LOCATION AND HEALTH DEPARTMENT FOR APPROVALS. PROBABLE FLOW FROM BUILDING IS 1730 GALLONS PER DAY.

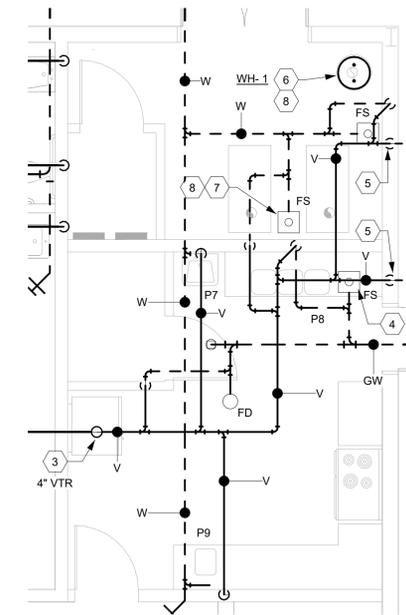
 ANTICIPATED TANK SIZE IS 2000 GALLON CONCRETE VAULT.

KEYED NOTES:

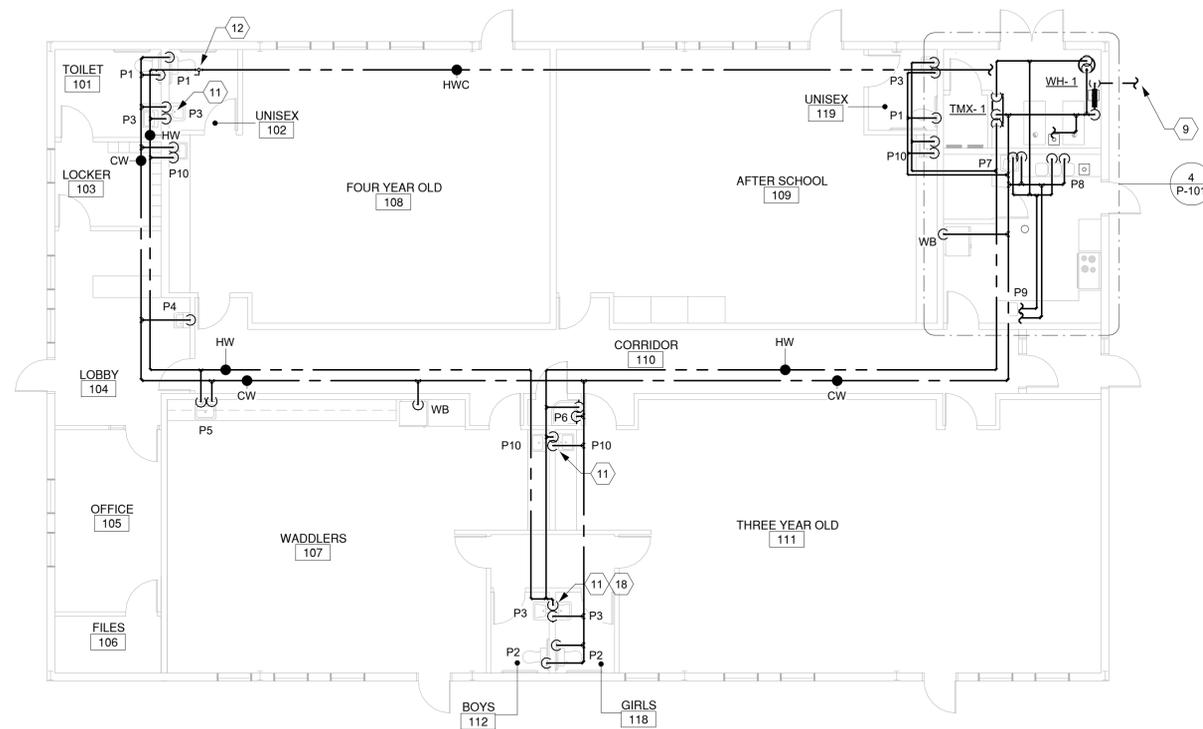
- 1 WASTE TO SEPTIC TANK ON SITE
- 2 GREASE INTERCEPTOR BELOW GRADE. FIELD COORDINATE RISER EXTENSIONS TO MATCH INVERT
- 3 VENT TO ROOF
- 4 ROUTE DISCHARGE FROM 3-POT SINK TO FLOOR SINK INDIRECT PER CODE
- 5 VENT PIPE FROM GREASE INTERCEPTOR UP IN WALL.
- 6 ROUTE T&P DISCHARGE FROM WATER HEATER TO FLOOR SINK
- 7 ROUTE T&P DISCHARGE FROM BOILERS TO FLOOR SINK.
- 8 PROVIDE CONDENSATE NEUTRILIZATION KIT ON CONDENSATE LINE FROM EQUIPMENT. ROUTE DISCHARGE FROM NEUTRILIZER TO FLOOR SINK INDIRECT
- 9 WATER LINE IN FROM METER ON SITE
- 10 BACK FLOW PREVENTER AND PRV ON WALL. ROUTE DRAIN FROM BFP TO EXTERIOR. PROVIDE FLAPPER AND RODENT SCREEN ON DRAIN
- 11 ROUTE HW AND CW DOWN TO FIXTURES BACK TO BACK
- 12 PROVIDE BALL VALVE ON RECIRC LINE. SET VALVE FOR 0.5 GPM (ADJ.)
- 13 ROUTE HW AND CW TO WATER HEATER
- 14 THERMOSTATIC MIXING VALVE ON WALL. REFER TO PIPING DIAGRAM.
- 15 HOT WATER RECIRC LINE BACK FROM BUILDING. ROUTE TO MIXING STATION PER DIAGRAM.
- 16 ROUTE HW AND CW TO SINK. SHOWN OFFSET FOR CLARITY
- 17 BOILER MAKE-UP PIPING. REFER TO BOILER PIPING DIAGRAM FOR CONNECTION. ROUTE DRAIN FROM BFP TO FLOOR SINK
- 18 FIELD COORDINATE SINK HEIGHT WITH OWNER FOR CHILDRENS FIXTURE



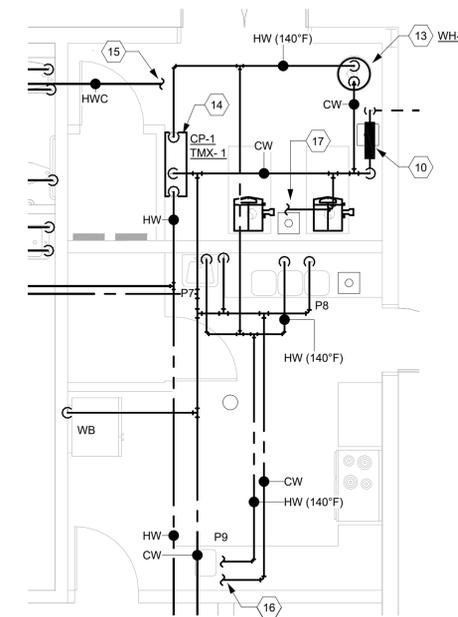
1 WASTE AND VENT PLAN
 1/8" = 1'-0"



3 ENLARGED WASTE
 1/4" = 1'-0"



2 WATER PLAN
 1/8" = 1'-0"



4 ENLARGED WATER
 1/4" = 1'-0"

MARK	DATE	DESCRIPTION

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SHEET NAME
PLUMBING PLANS

SHEET NUMBER
P-101

WATER HEATER SCHEDULE

SYMBOL	MANUFACTURER AND MODEL	TYPE	SERVICE	EFFICIENCY	TEMPERATURE RISE (°F)	OUTLET TEMP (°F)	TANK VOLUME (GALLON)	VOLT/PH	HEAT INPUT	RECOVERY @ 90°F	APPROX. WEIGHT (LBS.)
WH-1	AO SMITH GPD50L	PROPANE STORAGE	DOMESTIC HOT WATER	94 % AFUE	70	140	50	120/1φ	58 MBH	73	1000

NOTES:
 1. POWER DIRECT VENT WATER HEATER. PROPANE FIRED, WITH PVC VENTING KIT AND CONCENTRIC VENT OPTION.
 2. PROVIDE SEISMIC BRACING PER UPC 507.2

DOMESTIC CIRCULATOR PUMP SCHEDULE

MARK	LOCATION	SERVICE	GPM	HEAD PRESSURE (FT H2O)	MOTOR POWER (WATTS)	ELECTRICAL			WEIGHT (LBS.)	MANUFACTURER AND MODEL	NOTES
						VOLT/PH	MCA	MOCP			
CP-1	MECHANICAL ROOM	DOMESTIC WATER CIRCULATOR	2	15	150	120/1φ	1.1	15	15	BELL AND GOSSETT NBF-36	SEE NOTE 1

NOTES:
 1. MOUNT PUMP NEAR WATER HEATER. PROVIDE WITH T-STAT AND TIMER FOR CONTROL.

EXPANSION TANK SCHEDULE

SYMBOL	MANUFACTURER AND MODEL	TYPE	SERVICE	TANK VOLUME (GAL)	FILL PRESSURE (PSI)	APPROX. WEIGHT (LBS.)
XT-2	WESSLES T-5	DIAPHRAGM	WH-1	2.1	65	5

NOTES:
 1. DIAPHRAGM TYPE EXPANSION TANK, PRE-CHARGED. WORKING TEMPERATURE 140°F.
 2. SUPPORT TANK INDEPENDENTLY FROM STRUCTURE. DO NOT SUPPORT FROM PIPE ALONE.

MIXING VALVE SCHEDULE

SYMBOL	MANUFACTURER AND MODEL	TYPE	SERVICE	LOCATION	OUTLET TEMP (°F)	INLET PIPE SIZE	OUTLET PIPE SIZE	RETURN PIPE SIZE	FLOW RATE	PRESSURE DROP	REMARKS
TMX-1	LEONARD TM-26-LF	BI-METALIC	DOMESTIC HOT WATER	MECHANICAL ROOM	110	3/4"	3/4"	3/4"	10 GPM	10 PSI	SEE NOTE 1

NOTES:
 1. MIXING VALVE, WALL SUPPORTS, CIRCULATOR BY PLUMBING CONTRACTOR PER SCHEDULE, PIPING METHOD 2, DIAL THERMOSTAT AND BALL VALVE ON DISCHARGE.

GREASE INTERCEPTOR SCHEDULE

SYMBOL	MANUFACTURER AND MODEL	TYPE	TANK VOLUME (GAL)	GREASE CAPACITY
GI-1	SCHIER GB-75	HYDRO-MECHANICAL	125	616 LBS.

GREASE INTERCEPTOR (GI-1)
 SCHIER GREAT BASIN GB-75, RATED AT 75 GPM INLET FLOW.

4" GREASE WASTE PIPE FROM FLOOR SINK.

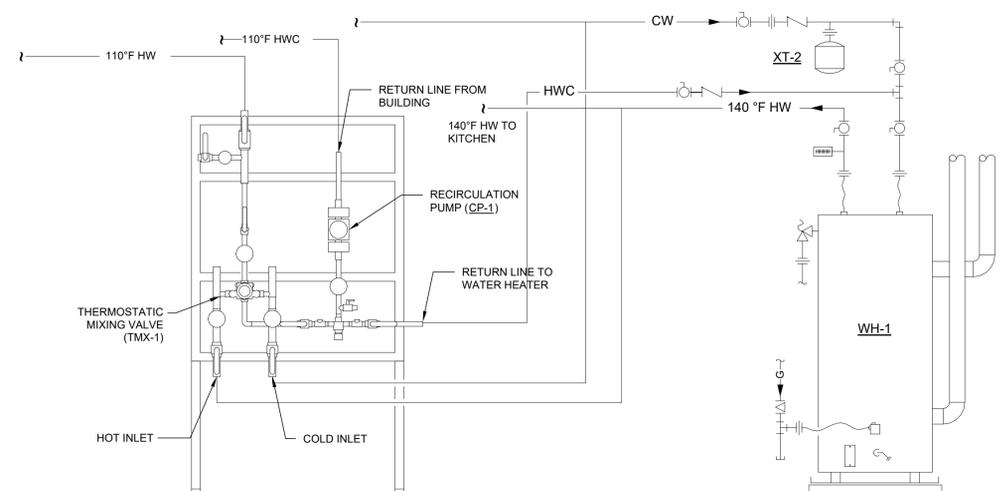
PER 2015 UPC TABLE 1014.2.1, 4" PIPE TO A GREASE INTERCEPTOR AT 2 MINUTE FLOW HAS 75 GPM FLOW RATE.

NOTES:
 1. HYDRO-MECHANICAL TYPE INTERCEPTOR. 616LB GREASE CAPACITY (86 GALLONS).
 2. PROVIDE RISER EXTENSION TO MATCH BURY DEPTH AND FINISHED GRADE. PROVIDE PEDESTRIAN RATED COVER.

WH-1 HOT WATER PEAK DEMAND				
FIXTURE	QTY	HOT WATER NEED (GPH)	SINGLE SERVICE DERATE	TOTAL NEED (GPH)
HAND WASH SINK	5	5	0.8	20
3-POT SINK 16x20x10	1	42	0.8	34
PREP SINK	1	5	0.8	4
MOP SINK	1	15	0.8	12
TOTAL HOT WATER (GPH)				70
TEMP RISE				70
THERMAL EFF.				0.94
BTU INPUT REQ.				43174

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	ADA	MANUFACTURER AND MODEL	FAUCET MANUFACTURER AND MODEL NUMBER	ACCESSORIES	CONNECTIONS				REMARKS	FLOW RATE
						CW	HW	WASTE	VENT		
P1	STAFF WATER CLOSET	YES	AMERICAN STANDARD CADET PRO, 216AA	-	OPEN FRONT SEAT	1/2"	-	4"	2"	FLOOR MOUNTED FLUSH TANK WATER CLOSET, ADA HEIGHT	1.28 GPF
P2	CHILDRENS WATER CLOSET	NO	AMERICAN STANDARD BABY DEVORO 2315.228	-	OPEN FRONT SEAT	1/2"	-	4"	2"	FLOOR MOUNTED FLUSH TANK WATER CLOSET, CHILD HEIGHT FIXTURE	1.28 GPF
P3	WALL-HUNG LAVATORY	YES	AMERICAN STANDARD LUCERNE, 0355.012	MOEN 8210	ANGLE STOPS, P-TRAP, GRID STRAINER, UNDERSINK PROTECTION, ASSE 1070 MIXING VALVE, WALL CARRIER, ZURN Z1231 OR EQUAL	1/2"	1/2"	2"	1-1/2"	WALL HUNG LAVATORY WITH GRID DRAIN. WALL MOUNTED WITH CONCEALED ARM CARRIER	0.5 GPM
P4	DRINKING FOUNTAIN	YES	ELKAY EDFP214C	-	ANGLE STOPS, P-TRAP, WALL MOUNTING PLATE	1/2"	-	1-1/2"	1-1/2"	DRINKING FOUNTAIN, STAINLESS STEEL FINISH. NON-REFRIGERATED.	-
P5	CLASSROOM SINK	YES	ELKAY LRAD 2521	T&S BRASS B-1141	1.5 GPM AERATOR, P-TRAP, ANGLE STOPS, DRAIN BASKET	1/2"	1/2"	2"	1-1/2"	25" x 21" x 6" DEEP STAINLESS STEEL, ONE COMPARTMENT SINK, GOOSENECK FAUCET WITH LEVER HANDLES	1.5 GPM
P6	JANITOR SINK	N/A	FIAT TSB100	830-AA CHROME SERVICE FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS	832-AA HOSE/HOOK, 889-CC HANGER, STAINLESS WALL GUARDS	1/2"	1/2"	3"	2"	24" x 24" x 12" PRE-CAST TERRAZZO MOP BASIN WITH STAINLESS STEEL CAPS. PROVIDE ADJUSTABLE WALL BRACE, PAIL HOOK AND HOSE THREAD ON SPOUT.	-
P7	KITCHEN HAND-WASH SINK	N/A	ADVANCE TABCO DI-1-15	ADVANCE TABCO K-52	DRAIN PLUG, P-TRAP, ANGLE STOPS, UNDER SINK PROTECTION, WALL CARRIER	1/2"	1/2"	2"	1-1/2"	STAINLESS STEEL HAND WASH SINK FOR FOOD SERVICE USE	1.5 GPM
P8	KITCHEN 3-POT SINK	N/A	REFER TO ARCH.	ADVANCE TABCO DTA-53, K-117	3-POT SINK, PRE-RINSE FAUCET WITH ADDED FAUCET FOR BASIN FILL	3/4"	3/4"	-	-	3-POT SINK, DRAINED INDIRECT TO FLOOR SINK. PROVIDE PRE-RINSE FAUCET WITH ADDITIONAL NECK FOR BASIN FILL.	-
P9	KITCHEN PREP SINK	N/A	REFER TO ARCH.	ADVANCE TABCO K-50	KITCHEN PREP SINK WITH 8" NECK FAUCET	3/4"	3/4"	-	-	STAINLESS STEEL KITCHEN PREP SINK	-
P10	CLASSROOM HAND SINK	YES	ELKAY LRAD 1918	T&S BRASS B-1141	1.5 GPM AERATOR, P-TRAP, ANGLE STOPS, DRAIN BASKET	1/2"	1/2"	2"	1-1/2"	19" x 18" x 6" DEEP STAINLESS STEEL, ONE COMPARTMENT SINK, GOOSENECK FAUCET WITH LEVER HANDLES	1.5 GPM
FD	FLOOR DRAIN	-	ZURN 415S	-	TRAP-SEAL (JR SMITH 2692), GRID STRAINER	-	-	2"	1-1/2"	FLOOR DRAIN WITH STRAINER AND ELASTOMERIC TRAP SEAL. SQUARE 6" x 6" INLET STRAINER	-
FS	FLOOR SINK	-	ZURN Z1902	-	TRAP-SEAL (JR SMITH 2692), INTERIOR DOME STRAINER, FULL GRATE UNLESS NOTED ON PLANS.	-	-	3	1-1/2"	FLOOR SINK WITH DOME STRAINER AND ELASTOMERIC TRAP SEAL. COORDINATE GRATE WITH PLANS.	-
WB	ICE MAKER WALL BOX	-	GUY GRAY MIB3AB	-	-	1/2"	-	-	-	ICE MAKER WALL BOX WITH 1/4-TURN BALL VALVE	-
PRV	PRESSURE REDUCTION VALVE	-	WATTS LF223	-	-	1"	-	-	-	PRESSURE REDUCTION VALVE. PROVIDE WITH INLET STRAINER. SET TO 50 PSI (ADJ.)	-
BFP	BACK FLOW PREVENTER	-	WILKINS 975XL2	-	-	1"	-	-	-	1" BACKFLOW PREVENTER. PROVIDE ISOLATION VALVES.	-



1 WATER HEATER AND MIXING VALVE DIAGRAM
 SCALE: NONE

MARK	DATE	DESCRIPTION

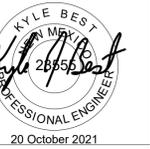
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ISSUE DATE	10/20/2021
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SHEET NAME
PLUMBING SCHEDULES

SHEET NUMBER
P-601

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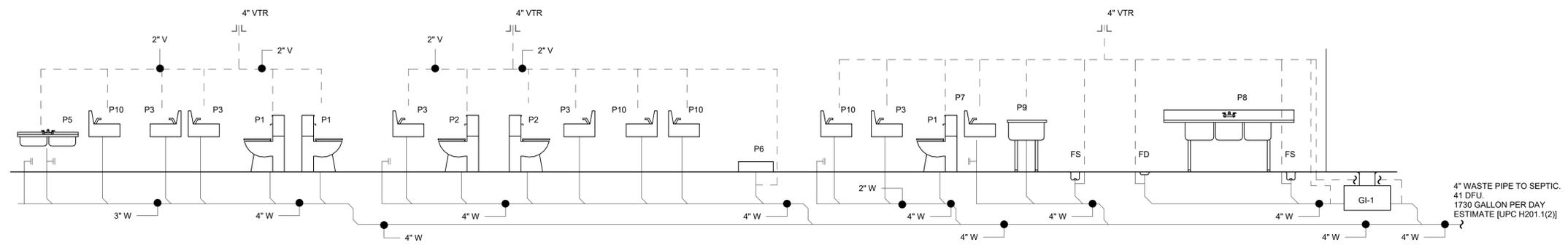


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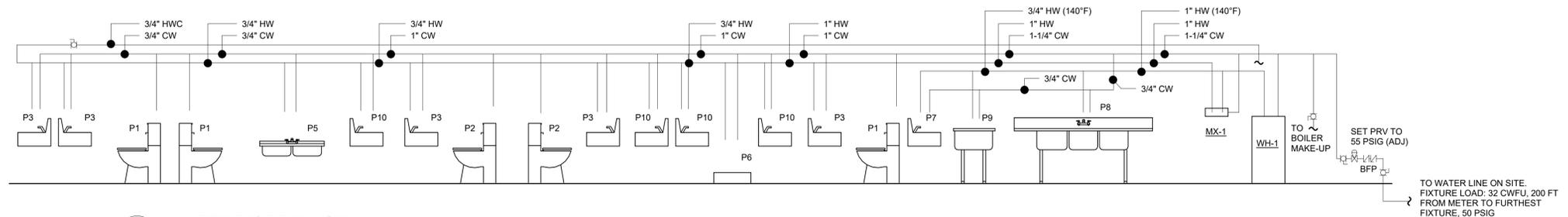


PROJECT NAME

KIDDIE KAMPUS DAYKARE
 312 HARLAN DRIVE
 LAS VEGAS, NEW MEXICO
 ROSALIE MARTINEZ, OWNER



1 WASTE RISER DIAGRAM
 P-602 SCALE: NONE



2 WATER RISER DIAGRAM
 P-602 SCALE: NONE

SEQUENCE OF OPERATIONS:

ROOF TOP UNIT (TYPICAL OF 2)

RUN CONDITIONS - SCHEDULED:
 THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE TIME SCHEDULE IN THE FOLLOWING MODES:

OCCUPIED MODE: THE UNIT SHALL MAINTAIN
 A 75°F (ADJ.) COOLING SETPOINT
 A 65°F (ADJ.) HEATING SETPOINT.

UNOCCUPIED MODE (NIGHT SETBACK): THE UNIT SHALL MAINTAIN
 A 85°F (ADJ.) COOLING SETPOINT
 A 55°F (ADJ.) HEATING SETPOINT.

ZONE SETPOINT ADJUST:
 THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING AND COOLING SETPOINTS AT THE ZONE SENSOR.

SUPPLY AIR SMOKE DETECTION:
 THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SUPPLY AIR SMOKE DETECTOR STATUS.

SUPPLY FAN:
 THE SUPPLY FAN SHALL RUN ANYTIME THE UNIT IS COMMANDED TO RUN, UNLESS SHUTDOWN ON SAFETIES. TO PREVENT SHORT CYCLING, THE SUPPLY FAN SHALL HAVE A MINIMUM RUNTIME.

COOLING STAGES:
 THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND STAGE THE COOLING TO MAINTAIN ITS COOLING SETPOINT. TO PREVENT SHORT CYCLING, THERE SHALL BE A DELAY BETWEEN STAGES, AND EACH STAGE SHALL HAVE A MINIMUM RUNTIME.

GAS HEATING STAGES:
 THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND STAGE THE HEATING TO MAINTAIN ITS HEATING SETPOINT. TO PREVENT SHORT CYCLING, THERE SHALL BE A DELAY BETWEEN STAGES, AND EACH STAGE SHALL HAVE A MINIMUM RUNTIME.

ECONOMIZER:
 THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND MODULATE THE ECONOMIZER DAMPERS IN SEQUENCE TO MAINTAIN A SETPOINT 2°F LESS THAN THE ZONE COOLING SETPOINT. THE OUTSIDE AIR DAMPERS SHALL MAINTAIN A MINIMUM ADJUSTABLE POSITION PER EQUIPMENT SCHEDULE WHENEVER OCCUPIED. THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL CLOSE AND THE RETURN AIR DAMPER SHALL OPEN WHEN THE UNIT IS OFF.

MINIMUM OUTSIDE AIR VENTILATION - FIXED PERCENTAGE:
 THE OUTSIDE AIR DAMPERS SHALL MAINTAIN A MINIMUM POSITION (ADJ.) DURING BUILDING OCCUPIED HOURS AND BE CLOSED DURING UNOCCUPIED HOURS.

MIXED AIR TEMPERATURE:
 THE CONTROLLER SHALL MONITOR THE MIXED AIR TEMPERATURE AND USE AS REQUIRED FOR ECONOMIZER CONTROL.

RESTROOM EXHAUST FAN (TYPICAL OF 4)
 RUN CONDITIONS - INTERLOCK WITH LIGHTS:
 THE FAN SHALL OPERATE BASED ON LIGHTING OCCUPANCY SENSOR.

JANITOR EXHAUST FAN (TYPICAL OF 1):
 RUN CONDITIONS - CONTINUOUS:
 THE FAN SHALL OPERATE CONTINUOUSLY.

SEQUENCE OF OPERATIONS (CONT.):

RADIANT FLOOR HEATING SYSTEM (TYPICAL OF 8 ZONES)

RUN CONDITIONS - CONTINUOUS:
 THE UNIT SHALL RUN CONTINUOUS AND SHALL MAINTAIN A SETPOINT OF 70°F (ADJ.)

ZONE SETPOINT ADJUST:
 THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE HEATING SETPOINT AT THE ZONE ZENSOR.

HEATING LOOP PUMP (TYPICAL OF 3):

THE HEATING ZONES SHALL BE DIVIDED BETWEEN THREE LOOPS BASED ON MANIFOLDS SHOWN ON DRAWINGS. EACH MANIFOLD SHALL HAVE A DEDICATED LOOP PUMP FROM THE MAIN HEATING WATER LOOP.

UPON CALL FOR HEATING FROM A HEATING ZONE, THE ASSOCIATED LOOP PUMP SHALL ENGAGE AND CIRCULATE WATER TO THE HEATING MANIFOLD. PUMP SHALL OPERATE WHENEVER ONE OR MORE ZONES ON THE ASSOCIATED MANIFOLD CALL FOR HEAT.

HEATING WATER BOILER (TYPICAL OF 2):

BOILER SYSTEM RUN CONDITIONS:
 THE BOILER SYSTEM SHALL BE ENABLED TO RUN WHENEVER THE LOOP WATER TEMPERATURE DROPS BELOW 120°F AND OUTSIDE AIR IS BELOW 65°F.

THE BOILER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS.

HOT WATER PUMP:
 THE INTEGRAL HOT WATER PUMP IN THE BOILER SHALL RUN ANYTIME THE BOILER IS CALLED TO RUN BASED ON INTERNAL CONTROL SEQUENCE.

BOILER LEAD/STANDBY OPERATION:
 THE TWO BOILERS SHALL OPERATE IN A LEAD/STANDBY FASHION WHEN CALLED TO RUN AND FLOW IS PROVEN.

THE LEAD BOILER SHALL RUN FIRST. ON FAILURE OF THE LEAD BOILER, THE STANDBY BOILER SHALL RUN AND THE LEAD BOILER SHALL TURN OFF.

THE DESIGNATED LEAD BOILER SHALL ROTATE UPON ONE OF THE FOLLOWING CONDITIONS: (USER SELECTABLE):

MANUALLY THROUGH A SOFTWARE SWITCH WEEKLY

HOT WATER SUPPLY TEMPERATURE SETPOINT:
 THE BOILER SHALL MAINTAIN A HOT WATER SUPPLY TEMPERATURE SETPOINT (120°F ADJ.).

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PROJECT NUMBER	
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20 October 2021

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PROJECT NAME

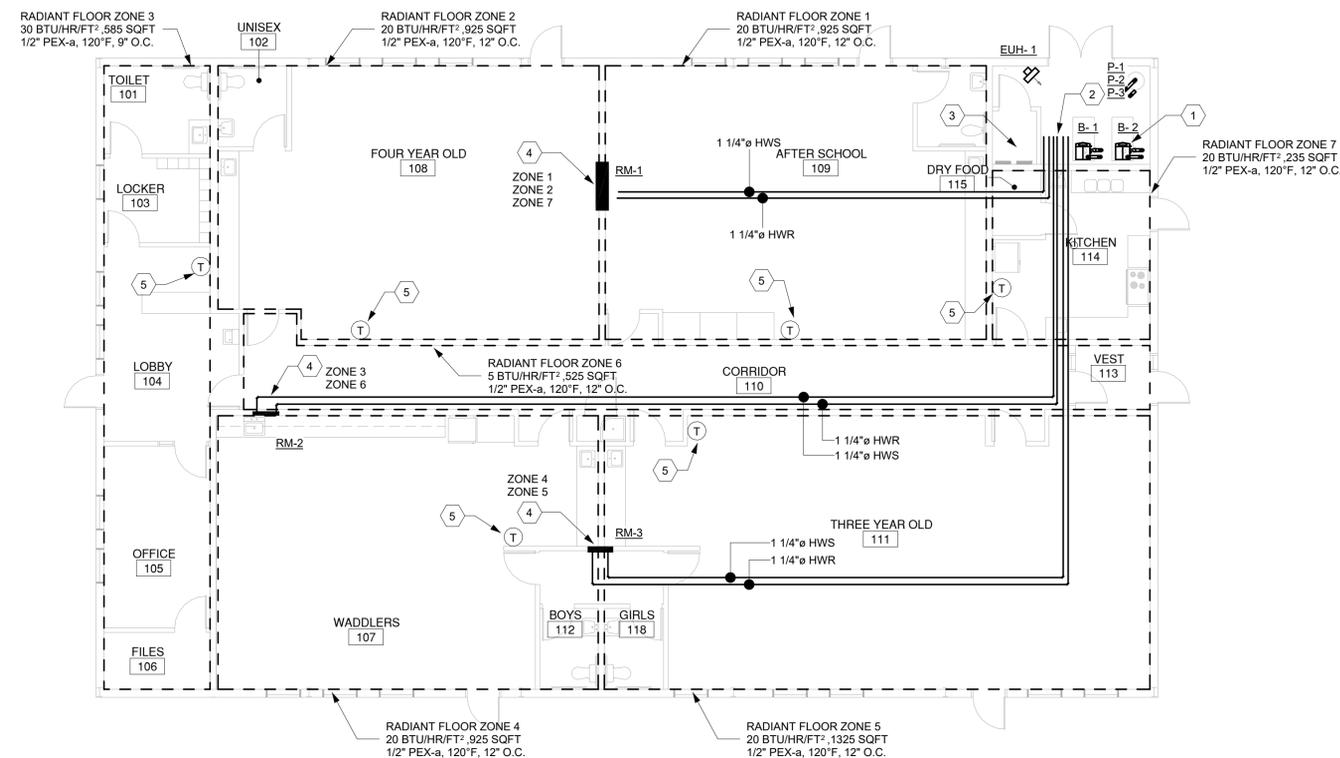
KIDDIE KAMPUS DAYKARE
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GENERAL NOTES:

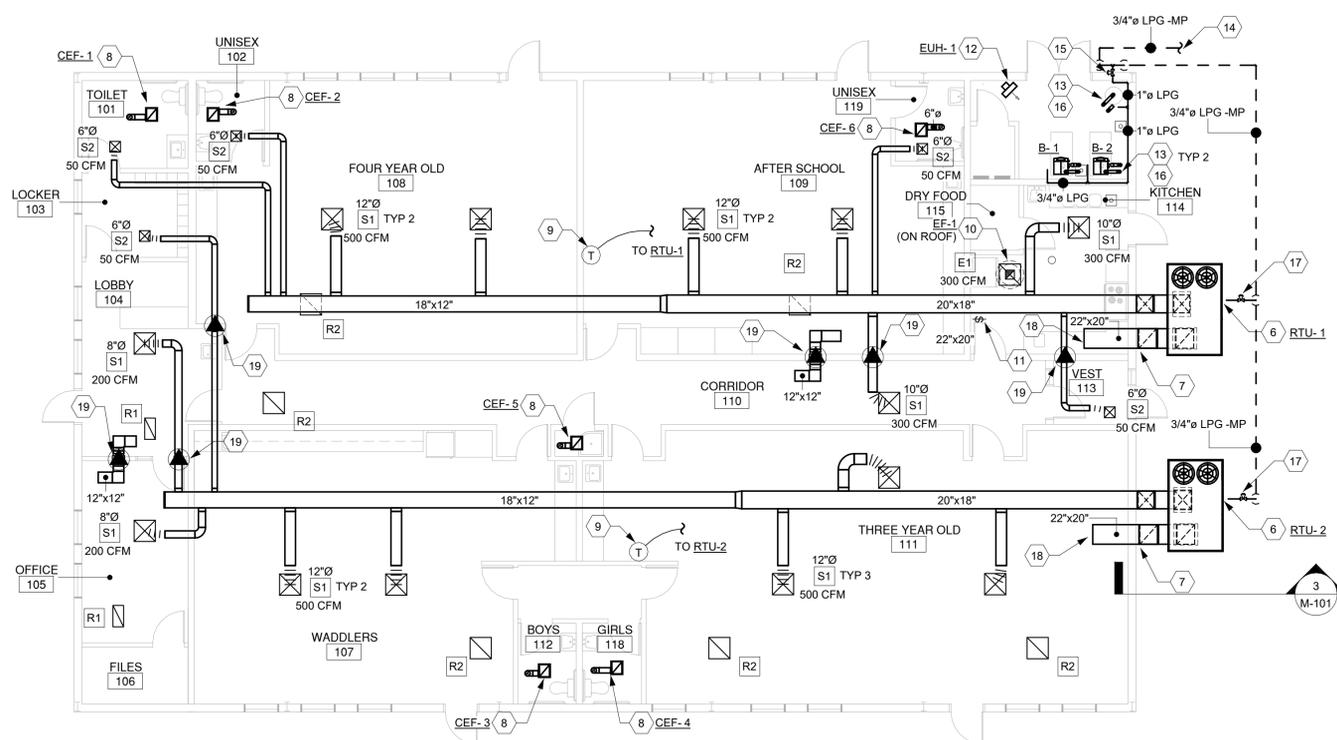
- REFER TO PM-001 FOR GENERAL NOTES AND SYMBOLS.
- REFER TO M-601 FOR EQUIPMENT SCHEDULES AND DIAGRAMS.
- REFER TO P-602 FOR SEQUENCE OF OPERATIONS
- INSTALL NEW PROPANE TANK ON SITE. FIELD COORDINATE FINAL TANK LOCATION AND SIZE WITH PROPANE SUPPLIER. TANK DELIVERY PRESSURE 2 PSIG.

KEYED NOTES:

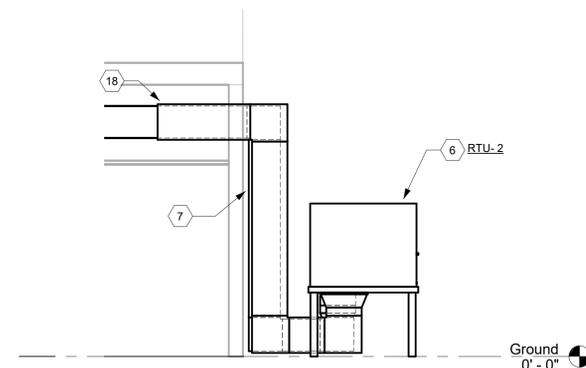
- HEATING WATER BOILER ON 4" HOUSEKEEPING PAD.
- HYDRONIC HEATING SUPPLY AND RETURN PIPING. ROUTE TO PUMPS, RACKED ON WALL. SHOWN OFFSET FOR CLARITY
- NO PIPE ROUTING ABOVE ELECTRICAL ROOM
- HYDRONIC HEATING MANIFOLD IN WALL. PROVIDE ACCESS PANEL IN WALL FOR SERVICE AND ACCESS. MAINS ROUTED IN CEILING, THEN DOWN INTO MAINFOLD FROM ABOVE
- RADIANT HEATING T-STAT. CONNECT TO MANIFOLD CONTROLLERS
- PACKAGED HVAC UNIT LOCATED ON FIELD FABRICATED STAND.
- ROUTE DUCTWORK UP ON EXTERIOR WALL, THEN THROUGH WALL INTO ATTIC SPACE.
- INSTALL CEILING EXHAUST FAN. ROUTE EXHAUST DUCT UP TO ROOF. TERMINATE WITH ROOF CAP
- T-STAT FOR HVAC UNIT. FIELD COORDINATE MOUNTING LOCATION
- EXHAUST DUCT UP TO FAN ON ROOF.
- WALL SWITCH FOR LOCAL EXHAUST CONTROL
- INSTALL UNIT HEATER IN MECHANICAL ROOM. PROVIDE LOCAL STAND-ALONE T-STAT. SET TO 45°F (ADJ.)
- FLUE AND COMBUSTION AIR DUCTS TO EXTERIOR. PROVIDE CONCENTRIC VENT KIT. SHOWN AS TWO PENETRATIONS FOR CLARITY
- PROPANE GAS PIPE BACK TO TANK ON SITE. YARD LINE AT 2PSIG. 728 MBH CONNECTED LOAD, 250 FT FROM METER TO FURTHEST FIXTURE
- INSTALL PRESSURE REGULATOR FROM 2PSIG TO 11 IN. W.C. ON PROPANE GAS LINE. CONNECTED LOAD 368 MBH, 50 FT TO FURTHEST FIXTURE



② Hydronic Piping Plan
 1/8" = 1'-0"



① HVAC Ductwork Plan
 1/8" = 1'-0"



③ HVAC Unit on Frame
 1/4" = 1'-0"

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MECHANICAL FLOOR PLAN

SHEET NUMBER
M-101

