LEGISLATIVE SUMMARY SHEET
Tracking No. 0262-19

DATE: August 29, 2019

TITLE OF RESOLUTION: A PROPOSED NAVAJO NATION COUNCIL RESOLUTION; AN ACTION RELATING TO BUDGET AND FINANCE COMMITTEE, RESOURCES AND DEVELOPMENT COMMITTEE AND NAABIK'ÍYÁTI' COMMITTEE AND NAVAJO NATION COUNCIL; ALLOCATING $3,000,000 FROM THE SÍHASIN FUND TO THE DIVISION OF COMMUNITY DEVELOPMENT ON BEHALF OF THE TONALEA CHAPTER AND APPROVING AND ADOPTING THE TONALEA CHAPTER COMMUNITY BUILDING REPLACEMENT FUND EXPENDITURE PLAN PURSUANT 12 N.N.C §§ 2501 – 2508

PURPOSE: This resolution, if approved, will approve $3,000,000.00 from the Síhasin Fund to the Division of Community Development on behalf of the Tonalea Chapter to construct the Tonalea Chapter Community Building Replacement and approve and adopts the Tonalea Chapter Community Building Replacement Expenditure Plan.

This written summary does not address recommended amendments as may be provided by the standing committee. The Office of Legislative Counsel requests each committee member to review the proposed resolution in detail.

5-DAY BILL HOLD PERIOD: [illegible]
Website Posting Time/Date: 5:05pm 8-30-19
Posting End Date: 9-4-19
Eligible for Action: 9-5-19

Budget & Finance Committee
Thence
Resources & Development Committee
Thence
Naabik'íyáti' Committee
Thence
Navajo Nation Council

PROPOSED NAVAJO NATION COUNCIL RESOLUTION

24th NAVAJO NATION COUNCIL – First Year, 2019

INTRODUCED BY

(Prime Sponsor)

TRACKING NO. 0262-19

AN ACTION

RELATING TO BUDGET AND FINANCE COMMITTEE, RESOURCES AND DEVELOPMENT COMMITTEE AND NAABIK'ÍYÁTI' COMMITTEE AND NAVAJO NATION COUNCIL; ALLOCATING $3,000,000 FROM THE SÍHASIN FUND TO THE DIVISION OF COMMUNITY DEVELOPMENT ON BEHALF OF THE TONALEA CHAPTER AND APPROVING AND ADOPTING THE TONALEA CHAPTER COMMUNITY BUILDING REPLACEMENT FUND EXPENDITURE PLAN PURSUANT 12 N.N.C §§ 2501 – 2508

BE IT ENACTED:

Section One. Authority

A. The Navajo Nation Council is the governing body of the Navajo Nation. 2 N.N.C. § 102 (A).

B. The Naabik'iyati' Committee of the Navajo Nation Council is empowered to review all proposed legislation which requires final action by the Navajo Nation Council. 2 N.N.C. §164(A)(9).

C. The Budget and Finance Committee of the Navajo Nation Council is empowered to review and recommend to the Navajo Nation Council the budgeting, appropriation, investment, and management of all funds. 2 N.N.C. § 301 (B)(2).

D. The Resources and Development Committee of the Navajo Nation Council has oversight of the chapters of the Navajo Nation. 2 N.N.C. §501 (C)(1).

E. The Navajo Nation Code provides the purpose of the Navajo Nation Síhasin Fund ("Síhasin Fund") is as follows:

> § 2502 Purpose
>
> A. The purposes of this Fund are to provide financial support and/or financing for:
>
> 1. The planning and development of economic development and regional infrastructure supporting economic development, and community development, including such infrastructure as, but not limited to, housing, commercial and government buildings, waterline, solid waste management development, powerline projects, and transportation and communication systems, within the Navajo Nation; and
>
> 2. Education opportunities for members of the Navajo Nation.
>
> B. For the Purpose in § 2502(A)(1), Fund expenditures for infrastructure shall not be limited by 12 NNC § 1310(F) or TCDCJY-77-99.
>
> C. Leveraging the Fund by way of guaranteeing loans, match funding, direct funding in part, and other weighted uses of the Fund, including loan financing from the Fund, for the purposes in § 2502(A)(1), shall be favored over direct funding in whole.

12 N.N.C. § 2502, as amended by CJA-03-18.

F. The Síhasin Fund provides that "Fund Principal" shall consist of all deposits made to the Síhasin Fund and that "Fund Income" shall consist of all earnings (interest, dividends, etc.) generated and realized by the Fund Principal, and that Fund Income shall be deposited in and added to Fund Principal until such time as a Fund Expenditure Plan is duly adopted. 12 N.N.C. §§ 2504 and 2505 (C).

Section Two. Findings

A. The Tonalea Chapter Community Building Replacement project is detailed in the objectives and goals, scope of work, and architectural construction documents attached as **Exhibit 1**.

B. Project process schedules are attached as **Exhibit 2.**

C. Memoranda dating 2001 to 2012 from the Tuba City Indian Medical Center and Tuba City Regional Health Care Corporation, Division of Environmental Health Services raise serious safety concerns about the Tonalea Chapter House. Those memoranda are attached as **Exhibit 3.**

D. The Navajo Nation Council through resolution CAP-35-18 approved and adopted the Sihasin Fund Powerline and Chapter Projects Expenditure Plan including $1,050,000.00 for the Tonalea Government Building project. The approval of this request for $3,000,000.00 is in addition to the amount approved by CAP-35-18. Resolution CAP-35-18 Exhibit D item No. 140 is attached as **Exhibit 4**.

E. The Document No. 013108 "Section 164 Review Form" including Office of Management and Budget, Office of the Controller and the Office of the Attorney General reviews is attached as **Exhibit 5**.

Section Three. Allocation of $3,000,000 to the Division of Community Development on behalf of the Tonalea Chapter and approval and adoption of Tonalea Chapter Community Building Replacement Expenditure Plan

A. The Navajo Nation hereby allocates to the Division of Community Development on behalf of the Tonalea Chapter the total amount of $3,000,000.00 to construct the Tonalea Chapter Community Building Replacement as detailed in **Exhibits 1 and 2**.

B. The Navajo Nation hereby approves and adopts the Tonalea Chapter Community Building Replacement Expenditure Plan, attached and incorporated herein as **Exhibits 1 and 2**.

C. The Síhasin Funds allocated for the Síhasin Fund Tonalea Chapter Community Building Replacement Expenditure Plan may be further leveraged by bond or loan financing pursuant to the Navajo Nation Bond Financing Act, 12 N.N.C. § 1300 *et seq.*, as amended, using Síhasin Fund earnings for repayment and financing costs upon the recommendation of the Budget and Finance Committee and approval by a two-thirds (2/3) vote of all members of the Navajo Nation Council.

Section Four. Approval and Adoption of Expenditure Plan Administration

The Navajo Nation hereby approves administration of the Síhasin Fund Tonalea Chapter Community Building Replacement Expenditure Plan as follows:

1. The Navajo Nation Controller shall determine whether the source of the annual allocations from the total allocation of $3,000,000.00 will be Síhasin Fund Principal or Income or a combination of both;
2. The funding to the Division of Community Development on behalf of the Tonalea Chapter for the Tonalea Chapter Community Building Replacement shall be distributed by the end of the first quarter of the respective Navajo Nation Fiscal Year;
3. The funds allocated for the Tonalea Chapter Community Building Replacement shall be used solely to design, plan, and construct the Tonalea Chapter Community Building Replacement described in **Exhibits 1 and 2.** Any and all cost-savings shall be returned to the to the Síhasin Fund once the Tonalea Chapter Community Building Replacement is completed; and
4. The funds allocated for the Tonalea Chapter Community Building Replacement shall not lapse on an annual basis pursuant to 12 N.N.C. §820 (N), however, any funds not spent or encumbered within twenty-four (24) months of the date funds are made available to the Tonalea Chapter Community Building Replacement shall revert to the Síhasin Fund principal, unless recommended otherwise by the Resources and Development Committee and approved by the Naabik'íyáti' Committee.

Section Five. Effective Date

The Síhasin Fund Tonalea Chapter Community Building Replacement Expenditure Plan, as set forth above, shall become effective pursuant to 12 N.N.C. § 2505.

Section Six. Directives

The Tonalea Chapter and the Division of Community Development shall report the status of the Tonalea Chapter Community Building Replacement to the Naabik'íyáti Committee a least once per quarter after the initial disbursement of funds.

EXHIBIT

1

TONALEA CHAPTER PROPOSAL

For

NEW CHAPTER COMMUNITY BUILDING REPLACEMENT

Amount of Funds Requested:

$3,000,000.00

For Additional Information, please contact

Kristen Charley, Chapter Manager

TONALEA CHAPTER

P.O. Box 207

Tonalea, Arizona -86044-

Phone No: (928) 283-3430/3431

Email: tonalea@navajochapters.com

TONALEA CHAPTER NEW COMMUNITY BUILDING REPLACEMENT

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REFERENCES

EXHIBITS

A. 1. Administrative Order of Condemning and Order Permanent

Closure by the Office of Environmental Health/Code Enforcement

2. Order of Closure to Tonalea Chapter Administration by Navajo Nation Department of Health

B. Tonalea Chapter Replacement Building Updated Project Schedule

C. 1. Tonalea Chapter Replacement Building Site Plan

2. Tonalea Chapter Replacement Building Floor Plan

3. Tonalea Chapter Replacement Building Exterior Elevations

D. 1. Letter of Commitment for Chapter matching funds

2. MIP Budget Line Item

3. Other Resolutions

E. 1. Tonalea Chapter Resolution No. ***TN18-06-03***

2. Project Status Report

3. Construction Cost Estimate

4. Project Budget Summary Form 1

5. Project Budget and Justification Form 2

6. Project Budget Schedule

F. Tonalea Chapter Priority List

I. SUMMARY

Of the 110 Chapter buildings within the Navajo Nation, eight were condemned by the Navajo Nation Division of Heath. Office of Environmental Health Code Enforcement federal government, which included he Tonalea Chapter facility. Tuba City Regional Health Care Corporation: Office of Environmental Health recommended closure of the Tonalea Chapter due to numerous contributing factors of unsafe conditions. As a result, a licensed structural engineer inspected the Tonalea Chapter for structural soundness and integrity. The primary concern was for the safety and welfare of the Tonalea Chapter Staff, Officials and the general public upon their use of the facility and general services daily.

The Navajo Nation Division of Health: Office of Environmental Health/Code Enforcement, issued on Administrative Order of Condemning and Order of Permanent Closure, copy enclosed as **Exhibit A. 1.**, of the Tonalea Chapter building. Results from the structural inspection of the defects found in the Fall of 2012 by the Federal Division of Environmental Health Services.

II. BACKGROUND

The Tonalea Chapter is a certified chapter and is one of the 110 Chapter Governments on the Navajo Nation. The chapter was granted LGA Certification on December 2, 2014 by the Navajo Nation Resource and Development Committee. The chapter is a local governmental entity and is delegated certain authorities and responsibilities with respect to local matters consistent with the Navajo Nation Laws. Pursuant to Title 2, Section 402 (a), the Tonalea Chapter has the authority to review all matters affecting the local communities and make appropriate recommendations to the Navajo Nation, County, State and Federal government agencies that are in the best interest and welfare of the local communities.

The Western Navajo Agency is the largest land base of the five agencies on the Navajo Nation that extends into the rural areas of the State of Arizona and Utah, with an estimated land size of 2,359,122 acres. The Tonalea Chapter is one of the eighteen Chapters in the Western Navajo Agency with an estimated land base of 153,000 +/- acres. It is located along U.S Highway 160 at Milepost 344, 1/2 mile north on Bureau of Indian Affairs (BIA) highway N-21, 36 degrees 19'4 "N 110 degrees 58'13" W, Tonalea, Arizona. Tonalea is in a very rural area with limited resources in terms of law enforcement, education, telecommunication/utilities, transportation, commercial, and healthcare access to serve the community and general public.

The chapter population according to the 2010 U.S Census is recorded of 2,595. According to 1990 U.S Census records, the population was 2,072.

There are limited employment opportunities available in the community, thus, the rate of unemployment is increasing. The Tonalea Day School, two grocery stores –Old Red Lake Trading Post and Tonalea General Store, Tonalea Chapter, Tonalea Senior Citizen Center,

Navajo Nation Community Health Office and the two (2) Navajo Head Start Programs all employ a limited number of people. Over 70% of the community members rely on general welfare with Navajo Nation General Assistance, Navajo Nation Program for Self-Reliance and food stamps through the Department of Economic Security. Elders and disabled rely on Social Security and/or Disability benefits.

The Tonalea Chapter is focused on improving the safety, social, economic, health and educational conditions of the families residing in the community. To promote these plans, the community recognizes that infrastructure development is the most important. The community has also been affected by the Bennett Freeze, land dispute with the Hopi Tribe that prohibited any construction, development and building repairs without written expressed approval from both tribes. Approximately 49,925 acres were affected by the Bennett Freeze. For over 40 years the Former Bennett Freeze Area, has resulted in severe social and economic problems for the community of Tonalea. Due to these conditions many members of the community have relocated to nearby towns for better health services, education, and the convenience of modern-day necessities. The construction prohibition was lifted in 2009, future projects will improve the living conditions of the people by continuous community education and functions by the local community government.

III. Problem Statement and Need Assessment

On October 9, 2012, the Federal Division of Environmental Health Services conducted a physical inspection of the Tonalea Chapter Building. Due to severe shift in the foundation and load bearing walls, it resulted a possible danger of the building roof collapsing. There was possible presence of asbestos and lead paint in the walls, roof, plumbing and ceiling areas. In 1959, the building was built of cinderblocks and lumber by local unskilled labors. The building had most of the original plumbing and electrical work laid over half a century before.

On October 15, 2012, the Federal Division of Environmental Health Services (DEHS) generated an inspection report that outlined a recommendation to the Tonalea Chapter, to close due to several contributing factors. It was also recommended that a certified structural engineer inspect the Tonalea Chapter for structural integrity. The interested parties' primary concern is for the safety and welfare of the Tonalea chapter staff, officials and the community upon their use of the facility and daily general services to the public.

On October 19, 2012, Tonalea Chapter Staff and the Executive Director of Division of Community Development, in cooperation with the Navajo Nation Capital Improvement Office (CIO) and Navajo Nation Design and Engineer Services (DES), a visual inspection was conducted of the Chapter building's compromised load bearing walls and stress cracks in the concrete floor of the assembly room.

In November 2012, the Tonalea Chapter Administration moved into the Chapter's Tin Blue Warehouse meant for storage. Despite it possessing serious health, safety, and hazardous concerns, chapter administration staff continued to operate out of the Tin Blue Warehouse.

On May 20, 2013, the Navajo Nation Division of Health-Office of Environmental Health/Code

Enforcement issued an Administrative Order of Condemning and Order of Permanent Closure (see Exhibit A.1), of the Tonalea Chapter building after a visual inspection of the compromised structure and integrity was found in the Fall of 2012 by the Federal Division of Environmental Health Services.

The Chapter Administrative staff was housed in the Chapter's Tin Blue Warehouse for over three years. The Chapter Administrative staff had to endure the extreme cold weather in the winter months and extreme heat in the summer months due to poor insulation. The administrative staff dealt with vermin, snakes, and lizards entering the warehouse due to the dilapidated exterior panels. The warehouse was never meant to be used as an office space, but for storage only.

On December 8, 2015, the Navajo Nation Department of Health issued the Order of Closure to the Tonalea Chapter Administration-see **Exhibit A.2**. The Administration was granted limited re-entry to collect only necessary administrative items. The order of closure explicitly stated, "There shall be no administrative function during this duration". The Administration was given until December 11, 2015 by 5pm, to vacate the premises.

After December 11, 2015, Tonalea Chapter Administrative staff moved out the Tin Blue Warehouse with no alternative office space. There was no other building available in the Tonalea Community for the Administrative staff to utilize as an alternate office space.

Thereafter, Tonalea Chapter entered into a Memorandum of Agreement with the Navajo Nation Division of Community Development to temporarily relocate the Tonalea Chapter Administrative staff to the Administrative Service Center in Tuba City. This was the only viable alternative This resulted in serving the community from Tuba City, that required Tonalea community members to commute 25 miles southwest of Tonalea. Educational services and other social functions for the community were discontinued and remain in despair.

Due to community needs for ongoing local services and functions within the Tonalea Chapter community, the Tonalea Senior Citizen Center stepped up in identifying an office space for the chapter administrative staff. The Tonalea Chapter Administration is currently utilizing a space in the Tonalea Senior Citizens' Center. Within the 10'x10' space being occupied, the laundry room inside the Tonalea Senior Citizens' Center has become the new chapter administration office.

Space limitation in Tonalea remains the same along with providing necessary services to the community, which continues to be a challenge. Other challenging factors are improvements on increasing productivity for the chapter administrative staff to meet the demands of the community and the general public, and most public meetings continue to be held at the Tonalea Senior Citizens' Center with very limited space. At times, the public meetings in the Senior Citizens' Center becomes overcrowded exceeding the maximum occupancy of 54. It causes a safety and health concern and deters community members away. Despite these challenges' factors with no local community facility, the Tonalea Chapter continues to encourage the community and general public to attend public meetings and/or other social functions that are important for community awareness.

Space limitations have also caused limited spending on the chapter's Summer Youth

Employment and Public Employment Program funds to employ in the community is essential and necessary for the Chapter to complete local projects. These programs also allow the community to be self-sufficient and gives the youth the opportunity to pay for books, clothes, supplies, registration fees, etc., for the upcoming school year.

Tonalea Chapter employs an average of 15 Public Employment Program Participants throughout the Fiscal Year, an average of 20 age approved Summer Youth Employment Program Participant as well as numerous Participants from programs such as Office of Dine Youth and the Navajo Nation Workforce Development.

IV. OBJECTIVES AND GOAL

This project is to provide a healthy and safe environment, and to enhance the overall quality of life for the general public of the Tonalea Community, Administrative Staff, and the Chapter Officials. Tonalea community members have had many challenges including disruption of basic human services over the last forty years caused by federally imposed construction prohibition, known as the Bennett Freeze. Through the successful and timely completion of this project, the Chapter will exemplify its ability to continue working with various agencies and organizations in fulfilling the community prioritized needs of the Tonalea Chapter. The completion of this project will also contribute to further capital development. Examples are additional power line extensions, waterline extensions, road improvements for safer accessibility of schools, law enforcement, emergency medical services, community health representatives to attend to high risk patients, etc. In order to meet the Tonalea community needs and goals, the Navajo Nation Capital Project Management Department (CPMD), formerly known as Navajo Nation DES, supports and encourages the approval of the funding that is being requested along with numerous other entities.

V. SCOPE OF WORK

The construction of a new Tonalea Chapter building was proposed in three (3) phases:

1)Demolition of the old chapter building with abatement of asbestos, lead paint and removal [Completed, 2015] 2) Design of a new Chapter Building 3) Construction of a new Chapter Building.

Phase one of the project is complete that entailed testing for asbestos, lead paint, mercury, chlorofluorocarbon (CFCs) and polychlorinated biphenyls (PCBs) in the building. These harmful materials were tested by a specialized licensed inspector, Iina Ba, Inc. Materials that tested positive were removed by a specialized contractor and transported to an authorized location for disposal. This phase of the demolition project's cost estimate was approximately $150,000.00 for planning, developing and implementing.

Phase two of the project design is complete with a cost estimate of $330,549.25. Chapter design of the new building was reduced from 8,400 square feet to 6,795 square feet. Reduction of the building was the chapter's desire to manage a smaller building due to fiscal reasons.

Phase three of the project is estimated at $3,000,000.00 for the construction of the new Tonalea

Chapter building. The goal is to complete the construction of the new Tonalea Chapter building on its scheduled timeline and within the proposed budget.

Our first scheduled milestone is to communicate the construction site plan to the community with the design planning team. The team will utilize visual aids such as graphics and 3-D models to emphasize the changes from the old building to the new building designs by incorporating the local culture, philosophy, and tradition. This will be followed by the groundbreaking to begin construction.

Project milestone: See **Exhibit B** that references the updated Tonalea Chapter Project Schedule.

The new Tonalea Chapter building will be 6,795 square feet with unique designs that will entail energy efficient features and a voltage converter system that meets renewable portfolio standards for the State of Arizona. It will have large windows for cross ventilation and cooling purposes. The electrical wiring will be specific to include an area for future computer lab terminals and the chapter house will provide WIFI/Broadband services to the community. The bathrooms will have Americans with Disability Act (ADA) handicapped accessibility and low water usage toilets. See **Exhibit C.1-C.3)** attachments referencing the chapter building– site plan **(C.1),** floor plan **(C.2)** and exterior elevations **(C.3).**

The old building (demolished) was approximately 2,600 square feet and was used as both a government building and community resources. There were fourteen rooms total, including three office spaces, a reception area office, a janitor's closet and nursing consultations, four storage closets, two restrooms, computer lab, and about 120 capacity assembly halls used for voting, wedding ceremonies, funeral planning, traditional tribal games and cultural teachings and celebrations.

The Tonalea Chapter Administration and CMPD will oversee construction projects and management of the new building. For the past fifty years, the organization has been responsible for the majority of all community procurement and local budgets. Through our vast experience, the administration will use their expertise and knowledge to ensure the new chapter building project will meet milestones and deadlines by working with CMPD.

The Tonalea Chapter administration maintains and establishes all local utility infrastructures along with managing and operating a watering point for the entire community. Tonalea Chapter staff oversee maintenance of two Head Start buildings and the Senior Center within the community while meeting both federal and tribal standings. In 2010, FEMA entrusted Tonalea with over $30,000 in monies and equipment to operate Project Snowdrift, plow and salt roads and assist with vehicle accidents and emergencies. They also have had previous experience in construction management, having supervised the complete $100,000 renovation and remodel of the Chapter's Senior Center on 2011.

Financially, the Tonalea Chapter House oversees an annual budget of $325,000. They manage a $ 90,000 trust that awards bachelor, masters and PhD candidates' annual scholarships. In preparation for the upcoming construction of the new Chapter House, the Tonalea Local Government has saved more than $100,000.00 to put toward the New Chapter House project.

The Tonalea Chapter in collaboration with CMPD have conducted feasibility studies and determined that all utilities are on-site to support the new structure. The site is located within the withdrawn land of the chapter tract that belongs to the Tonalea Chapter and right-of-way access are currently available to the site.

The community watering point is located within the chapter premise. The community watering point remains a primary source for local domestic and livestock use, vital to approximately 60 percent of the community who still lack running water in their homes. Future infrastructure in these areas of the community will improve over time as the construction of the new chapter building is complete. More community interaction with critical involvement of the stakeholders to guide and contribute in completion of infrastructure projects will decrease the amount of people lacking running water.

The old Tonalea Chapter House was the main artery providing liveliness to the community for over 50 years. Traditional meetings, celebrations, games, educational workshops, and other social events have since ceased since the closure of the Chapter House in October 2012. Public meetings continue to be held at the Tonalea Senior Citizen Center and nearby churches. Nursing and public health consultations have also discontinued. The nearest medical facility is in nearby Tuba City, 25 miles away. Tonalea was a long-time participant in the mobile medical unit, courtesy of Tuba City Regional Health Care Center, this offered community members the convenience of receiving non emergent medical care, this service has since ceased. The food distribution program that provided much needed food assistance to community members, mainly elderly community members with limited income has since closed and no longer provides.

VI. Location of the New Tonalea Chapter Building

Below: The location of the future Tonalea Chapter Building will be located on the same site as the previously condemned Chapter Building as shown below in the red box. The site is located adjacent to the Tonalea Head Start Building. The Tonalea school is located about 200 yards north of the yard depicted in white and 50 yards from the Senior Citizen Building. The community watering point is located near the warehouse, south of the existing Senior Center.

To limit construction costs and meet budget goals, the new Tonalea Chapter building will be reconstructed on the same site as the old chapter building. With the increasing enrollment population and discontinuation of local services, the demand for a new chapter building has increased. No community chapter facility limits meeting the growing needs of the community, this includes veterans, youth, and elders. A new chapter building will extensively help expedite a return of a local community culture, tradition, and education, employment, re-opening of scheduled events to encourage community developments and improvements, traditional celebrations, and other social activities for the betterment of Tonalea that includes health promotions and maintaining an active lifestyle. The Chapter anticipates a return of the much-needed commodity food program and other welfare services. The Nurse Consultation office will also reopen, and a community room will be available for voting, town meetings, weddings, funeral practices, etc. A future computer lab with Wi-Fi internet access will be available for virtual learning and the Chapter hopes to open a small gym facility for the community seeking a

more active lifestyle.

VII. BUDGET FOR NEW CHAPTER BUILDING CONSTRUCTION

Project Cost Activities	Total
Construction	$2,580,115.60
NTUA 3-Phase Electrical Line	$150,000.00
Other Costs Not Included in Budget	$269,884.40
Total	$3,000,000.00

Tonalea Chapter will provide match funding in the amount of $263,203.33

Contributions will be applied to the construction costs of the new Chapter Building

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

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C100 COVER SHEET
C200 GRADING PLAN
C210 PAVING PLAN
C300 HORIZONTAL CONTROL PLAN
C310 HORIZONTAL CONTROL PLAN
C400 UTILITY PLAN
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S601 SCHEDULES AND DETAILS
S701 TYPICAL FOUNDATION SECTIONS AND DETAILS
S711 TYPICAL FRAMING SECTIONS AND DETAILS
S712 TYPICAL FRAMING SECTIONS AND DETAILS
S713 TYPICAL FRAMING SECTIONS AND DETAILS
S714 TYPICAL FRAMING SECTIONS AND DETAILS

ARCHITECTURAL
A001 OVERALL SITE PLAN
A002 ENLARGED SITE PLAN
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A102 DIMENSION PLAN
A103 PARTITION TYPES
A104 REFLECTED CEILING PLAN & DETAILS
A105 ROOF PLAN & DETAILS
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A201 EXTERIOR ELEVATIONS
A301 BUILDING SECTIONS
A302 WALL SECTIONS & DETAILS
A303 WALL SECTIONS
A401 LARGE SCALE PLANS AND INTERIOR ELEVATIONS
A402 CASEWORK SECTIONS
A501 DOOR and WINDOW TYPES and SCHEDULES
A502 DOOR & WINDOW DETAILS

INTERIOR DESIGN
D101 FINISH FLOOR PLAN
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PLUMBING
P001 PLUMBING SCHEDULE AND CALCULATIONS
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P103 PLUMBING ROOF PIPING PLAN
P104 PLUMBING DETAILS
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MECHANICAL
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M002 MECHANICAL EQUIPMENT SCHEDULES
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ELECTRICAL
E001 ELECTRICAL SITE PLAN
E002 ENLARGED SITE LIGHTING PLANS
E101 LIGHTING PLAN
E102 POWER AND SPECIAL SYSTEMS PLAN
E601 LEGEND, SHCEDULES, RISERS AND DETAILS

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

DYRON MURPHY ARCHITECTS, P.C.

4535 Montbel Place NE, Albuquerque, New Mexico 87107

NOT FOR CONSTRUCTION

ARCHITECT

Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER 2016.07 | DRAWN BY Author | REVIEWED Designer

SOFTFILE C:\Revit Local\FINALES\CHAPTER_central@dmarchitects.wcs.rvt

Sheet Title: TITLE SHEET and DRAWING INDEX

Sheet Number: G001

Designer

CODE ANALYSIS

I. Applicable Codes and Standards
2012 International Building Code (IBC)
2012 International Mechanical Code (IMC)
2012 International Plumbing Code (IPC)
2012 International Fire Code (IFC)
2012 International Energy Conservation Code (IECC)
In addition to the above codes, the contractor is responsible for constructing the project so as to comply with all applicable referenced standards, including but not limited to:
Accessible and Usable Buildings and Facilities (ICC/ANSI A117.1- 2009)
NFPA (National Fire Protection Association) Codes: 10, 13, 54, 72, 80.

II. Building Criteria
A. Total Gross Area: 8,398 S.F
B. Type of Construction (reference IBC chapter 6): Type II-B
C. Total Building Perimeter (P): 510'
D. Building Perimeter that fronts on a public way (f): 510'
E. Number of Stories: 1
F. Automatic Sprinkler System: NOT required

III. Use and Classification of Occupancy (IBC Chapter 3)
A. Occupancy type (302.1): **Assembly, A-3**
B. This building is a non-separated mixed use occupancy. Includes Assembly and Business Uses.

IV. Special Detailed Requirements (IBC Chapter 4): Not applicable.

V. General Building Heights and Areas (IBC Chapter 5)
A. Base Allowable Heights and Areas (table 503)
1. Maximum Height: 55'-0"
2. Maximum Number of Stories: 2
3. Base Allowable Area (Aa): 8,000 sq. ft.
4. Actual Proposed Area: 8,428 sq. ft.

VIII. Interior Finishes (IBC Chapter 8)
A. Wall and ceiling finishes shall be classified in accordance with ASTM E 84 and sec. 803.
1. Group A-3: Non-Sprinkled (table 803.9)
a. Corridors: Class A
b. Lobbies: Class B
c. Rooms and enclosed spaces: Class C

IX. Fire Protection Systems (IBC Chapter 9)
A. An Automatic sprinkler system is not required for Group A-3 occupancies with an occupant load of less than 300. Actual calculated occupant load = 270 max. Refer to life safety plan for details.
B. Portable fire extinguishers shall be provided in accordance with sec. 906 and NFPA 10.
C. An approved fire alarm system shall be provided.
D. Manual fire alarm system is not required in Group A occupancies with an occupant load less than 300.

X. Means of Egress (IBC Chapter 10)
A. Common path of egress travel (Table 1014.3): 75 ft.
B. Maximum Exit Access Travel Distance (Table 1016.1): 200'
G. Corridor Fire-Resistance Rating (Table 1018.1)
1. Group A & B, Occ. Load < 30: no rating
2. Group A & B, Occ. Load > 30: 1-HR
a. No corridors serve an occupant load greater than 30 in this facility. See life safety plan for details.
H. Corridor Width (sec. 1018.2)

Occ. Type	Occ. Load (s)	Minimum Width
1. Group A-3	s > 50	36"

I. Dead Ends (sec. 1018.4): 20' maximum

XI. Plumbing Systems (IBC Chapter 29)
A. Minimum Plumbing Facilities Group A-3 Assembly (table 2902.1)
1. Water Closets (Male): 1 per 125
2. Water Closets (Female): 1 per 65
3. Urinals may be substituted for water closets providing that the number of water closets shall not be reduced to two-thirds (2/3) of the minimum requirement. (IPC 419.2)
4. Lavatories (Male or Female): 1 per 200
5. Showers or Tubs: None Required
6. Drinking Fountains: 1 per 500
7. Other Fixtures Required: 1 service sink

Occupant Load: 270 — Male or Female: 135

Fixture Type	# Required	# Provided
1. Water Closets (Male)	2	3
2. Water Closets (Female)	3	5
3. Urinals	0	2
4. Lavatories (Male & Female)	1 Male, 1 Female	3 Male, 3 Female
5. Showers or Tubs	0	0
6. Drinking Fountains	1	2
7. Service Sink	1	1

DEFERRED SUBMITTALS

1. FIRE ALARM DRAWINGS AND SHOP DRAWINGS
2. TACTILE SIGNAGE SHOP DRAWINGS

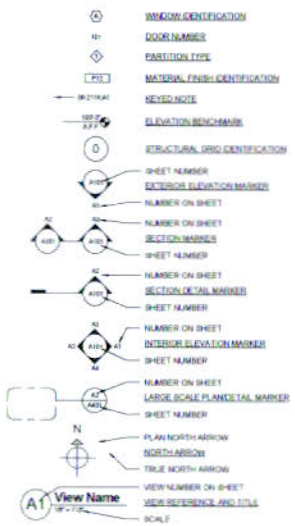
GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE ALL CONTRACT DRAWINGS AND SPECIFICATIONS FOR COORDINATION OF ALL SITE AND BUILDING COMPONENTS.
2. CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS AS PART OF SUBMITTAL PROCESS AND IS RESPONSIBLE FOR ACCURACY AND COMPLETENESS OF DOCUMENTS. ANY INDEMNIFYING NOTES BY CONTRACTOR OR SUBCONTRACTOR WITHIN SUBMITTALS CONTRADICTING THIS RESPONSIBILITY SHALL BE CONSIDERED VOID BY SUBMITTING PRODUCTS AND SUBMITTALS FOR THIS PROJECT THE CONTRACTOR / SUBCONTRACTOR SHALL SHALL BE DEEMED AS ACCEPTING THESES TERMS AND CONDITIONS.
3. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS NOT PROVIDED. IF ADDITIONAL DIMENSIONS ARE REQUIRED, NOTIFY ARCHITECT.
4. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY ERRORS, OMISSIONS OR CONFLICTS IN THE CONSTRUCTION DOCUMENTS.
6. ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS, ASTM STANDARDS AND ICBO AND ICC ER REPORTS SHALL BE PROVIDED TO THE INSPECTOR AT THEIR REQUEST AND AT THE TIME OF INSPECTION.
7. CONTRACTOR SHALL COORDINATE ALL MATERIALS AND TRADES WITH THE LIFE SAFETY PLAN. IN THE CASE OF ANY DISCREPANCIES IN FIRE RESISTANCE, SMOKE RESISTANCE OR OTHER LIFE SAFETY FACTOR, THE MOST RESTRICTIVE SHALL GOVERN.
8. ALL MATERIALS USED IN RATED ASSEMBLIES SHALL BEAR THE UL CLASSIFICATION MARK AS REQUIRED BY THE UL DESIGN OF THE ASSEMBLY IN WHICH THEY OCCUR.
9. ALL ASSEMBLIES AND PENETRATIONS TO BE COORDINATED WITH RATINGS INDICATED IN CODE ANALYSIS/LIFE SAFETY PLANS. CONTRACTOR TO PROVIDE UL RATED ASSEMBLIES AS REQUIRED. CONTRACTOR TO PROVIDE UL RATINGS IN SUBMITTALS FOR ALL PENETRATIONS AS REQUIRED.
10. CONTRACTOR SHALL COORDINATE WITH MANUFACTURER REQUIREMENTS FOR PROPER INSTALLATION OF ALL MATERIALS AND COMPONENTS.

ABBREVIATIONS

A.F.F	ABOVE FINISHED FLOOR	N/A	NOT APPLICABLE
AL	ALUMINUM	N/C	NON-COMBUSTIBLE
BM	BEAM	N.I.C.	NOT IN CONTRACT
℄	CENTER LINE	NR	NON-RATED
CLR	CLEAR	N.T.S.	NOT TO SCALE
CONT	CONTINUOUS	O.A.E	OR APPROVED EQUAL
DIA	DIAMETER	O.C.	ON CENTER
EQ	EQUAL	OPP	OPPOSITE
F.E	FIRE EXTINGUISHER	REQ'D	REQUIRED
F.E.C	FIRE EXTINGUISHER CABINET	S.F	SQUARE FOOT
F.F	FINISHED FLOOR	SIM	SIMILAR
GA	GALVANIZED	S.S.	STAINLESS STEEL
G.S.F	GROSS SQUARE FOOT	STL	STEEL
H.M	HOLLOW METAL	T.B.D.	TO BE DETERMINED
HR	HOUR	T.O.P	TOP OF PARAPET
JST	JOIST	T.O.W	TOP OF WALL
MAX	MAXIMUM	TYP	TYPICAL
MIN	MINIMUM	U.N.O	UNLESS NOTED OTHERWISE
MTL	METAL	V.I.F	VERIFY IN FIELD

SYMBOLS LEGEND



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LOCATION

REGION MAP

VICINITY MAP

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

DYRON MURPHY ARCHITECTS, P.C.

4505 Montbel Place NE, Albuquerque, New Mexico 87107

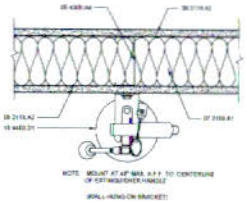
NOT FOR CONSTRUCTION

ARCHITECT

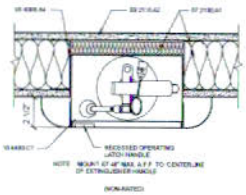
Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT INFORMATION

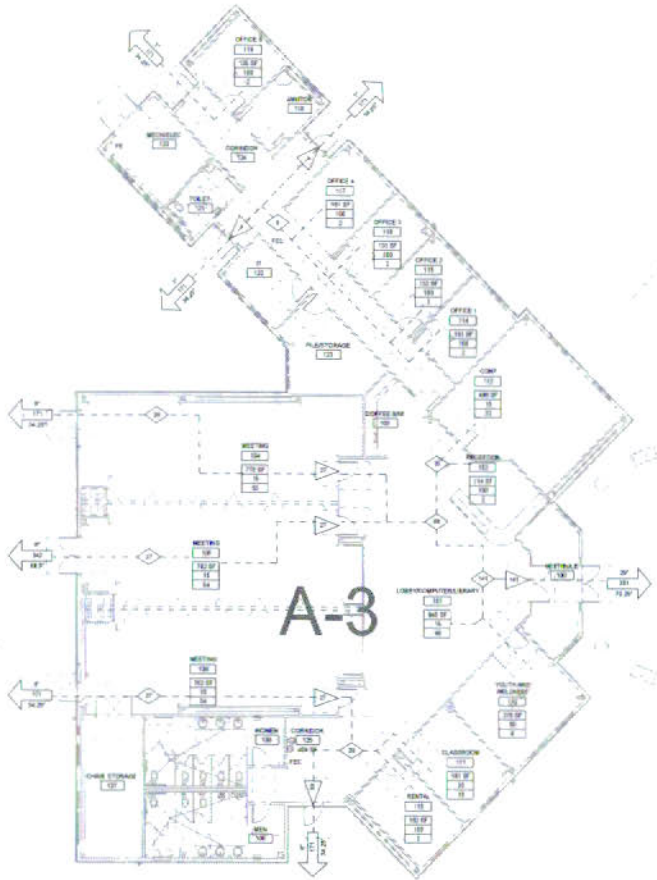
G002



E3 FIRE EXTINGUISHER



E2 SEMI-RECESSED FIRE EXTINGUISHER CABINET



A4 LIFE SAFETY PLAN

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

CODE REVIEW LEGEND

MINIMUM DOOR WIDTH REQD (3.1.12)

MAXIMUM EGRESS CAPACITY OF DOOR

DOOR WIDTH PROVIDED

ESTIMATED NUMBER OF PERSONS USING THIS MEANS OF EGRESS

ESTIMATED NUMBER OF PERSONS USING DOOR

95 SF — APPROXIMATE FLOOR AREA OF ROOM

130 — OCCUPANT LOAD FACTOR

1 — CALCULATED OCCUPANT LOAD

PATH OF EGRESS

FIRE EXTINGUISHER LEGEND / NOTES

1. AT LOCATIONS NOTED "F.E.C." FURNISH AND INSTALL FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER AS SPECIFIED. SEE DETAIL E2/G101
2. AT LOCATIONS NOTED "F.E." FURNISH AND INSTALL FIRE EXTINGUISHER AS SPECIFIED. SEE DETAIL E3/G101

F.E. — FIRE EXTINGUISHER WALL MOUNTED ON BRACKET

F.E.C. — SEMI-RECESSED CABINET WITH FIRE EXTINGUISHER

WALL TYPES

PARTITION REQUIRING 1-HOUR FIRE RATING

KEYED NOTES

05-4000UM	METAL STUD FRAMING
07-2100UM	BATT INSULATION
09-2116UM	5/8" GYPSUM BOARD
10-44B0C1	SEMI-RECESSED FIRE EXTINGUISHER CABINET W/ FIRE EXTINGUISHER
10-44B0C01	PORTABLE FIRE EXTINGUISHER W/ WALL BRACKET ASSEMBLY

GENERAL NOTES

A. CONTRACTOR SHALL REVIEW ALL ASPECTS OF THE CONSTRUCTION DOCUMENTS WITH THESE CODE SHEETS AND SHALL ENSURE COMPLIANCE ON FIELD. ANY AND ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES

DYRON MURPHY ARCHITECTS, P.C.

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NOT FOR CONSTRUCTION

ARCHITECT

Revision Schedule

Revision Number	Revision Date	Revision Description

PROJECT NUMBER 2016.07 | DRAWN BY Author | REVIEW BY Designer

CAD FILE C:\Revit Local\TONALEA CHAPTER_Central.rvt

Drawing Title: LIFE SAFETY PLAN

Sheet Number: G101

Sequence: 0

TONALEA CHAPTER REPLACEMENT BUILDING

RPA GENERAL NOTES

1. THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES IT UPON THEMSELF THE INTERPRETATION OF THE DRAWINGS OR MAKES REVISIONS TO THE SAME WITHOUT CONFERRING WITH THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF
2. ALL EARTHWORK CONSTRUCTION SHALL CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAILS AND/OR SPECIFICATIONS INCLUDING ANY SUPPLEMENTS THERETO, AND ALL ADDENDA. THE CONTRACTOR IS TO FOLLOW THE RECOMMENDATION OF THE SOIL INVESTIGATION REPORT AND LETTER, AS PREPARED BY TERRACON CONSULTANTS INC. PROJECT No. 65155025, DATED AUGUST 7 2015.
3. PRIOR TO BEGINNING THE WORK, THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS, REQUIREMENTS OF THE WORK AND EXCESS OR DEFICIENCY IN QUANTITIES. NO CLAIMS SHALL BE MADE AGAINST THE OWNER/ENGINEER OR ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.
4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND WILL NOT BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
5. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF UTILITIES: POWER POLES, ETC.
6. THE CONTRACTOR SHALL MAKE NO CLAIM AGAINST THE OWNER OR THE SURVEYOR REGARDING ALLEGED INACCURACY OF CONSTRUCTION STAKES SET BY THE SURVEYOR UNLESS ALL SURVEY STAKES SET BY THE ENGINEER ARE MAINTAINED INTACT AND CAN BE VERIFIED AS TO THEIR ORIGIN, IF IN THE OPINION OF THE SURVEYOR, THE STAKES ARE NOT MAINTAINED INTACT AND CANNOT BE VERIFIED AS TO THEIR ORIGIN, ANY REMEDIAL WORK REQUIRED TO CORRECT ANY ITEM OF IMPROPER CONSTRUCTION WORK SHALL BE PERFORMED AT THE SOLE EXPENSE OF THE RESPONSIBLE CONTRACTOR OR SUBCONTRACTOR.
7. THE SURVEYOR WILL MAKE FIELD AS-BUILT MEASUREMENTS OF THE WORK UPON NOTIFICATION BY THE CLIENT OR HIS REPRESENTATIVE THAT THE WORK IS COMPLETE AND READY FOR AS-BUILT SURVEY. FOR PIPE WORK, THE CONTRACTOR IS RESPONSIBLE FOR LEAVING TRENCHES OPEN SO THAT AS-BUILTS CAN BE PERFORMED TO COMPLY WITH THE CITY REQUIREMENTS. IF THE TRENCHES ARE BACKFILLED AND OBSCURED TO THE POINT THAT AS-BUILT MEASUREMENTS CANNOT BE PERFORMED, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POTHOLE UTILITY TRENCHES AS NECESSARY TO COMPLETE AN AS-BUILT SURVEY.
8. THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER OR OTHER SURFACE CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION, OR PAVEMENT CROSS-SLOPE DIFFER FROM THAT SHOWN ON THESE PLANS, RESULTING IN THE DESIGN INTENT REFLECTED ON THE PLANS NOT ABLE TO BE CONSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
9. EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN LOCATED ACCORDING TO INFORMATION PROVIDED BY THE AGENCY OPERATING EACH UTILITY. LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE NOT RELIABLE FOR CONSTRUCTION PURPOSES. CALL NTUA FOR FIELD LOCATION AT (928) 526-5011. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THE SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THE DRAWING, SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE. EXISTING SURFACE FEATURES AND FENCING SHALL BE REPLACED IN KIND.
10. THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION, OR VARIANCE FROM THESE PLANS. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.
11. ANY INSPECTION BY THE CITY, COUNTY, ENGINEER, OR OTHER JURISDICTIONAL AGENCY SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH APPLICABLE CODES AND AGENCY REQUIREMENTS.
12. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL STORM DRAIN PIPES, STORM WATER RETENTION PIPES AND DRAINAGE FACILITIES FROM DAMAGE DURING ALL STAGES OF CONSTRUCTION. THE DEPTH OF COVER ON THE STORM DRAIN PIPE IS DESIGNED FOR FINAL GRADE. THEREFORE, EXTRA CARE SUCH AS BERMING OVER PIPES, FLAGGING OR SIGNAGE SHOULD BE USED DURING CONSTRUCTION TO MAINTAIN COVER OR PROTECT THE PIPES.
13. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO THE VARYING FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER.
14. IF PAD CERTIFICATIONS ARE PERFORMED, IT IS UNDERSTOOD THAT THE CERTIFICATION PROVIDES ONLY A REPRESENTATIVE ELEVATION OF THE AVERAGE GRADE OF EACH LOT, BUILDING OR UNIT PAD, AND SHALL NOT BE CONSTRUED TO INCLUDE YARD AND STREET SUB-GRADE CERTIFICATION OR CERTIFICATION THAT THE ENTIRE PAD IS LEVEL, THAT IT WAS CONSTRUCTED IN THE DESIGNED LOCATION OR WAS GRADED TO THE CROSS-SECTION SET FORTH ON THE PLANS OR AS DESIGNATED IN THE SOILS REPORT.
15. FINISH GRADES SHOWN ON THESE PLANS ARE THE FINAL FINISH GRADES.
16. SEWER SERVICES SHALL BE INSTALLED TO 4 FEET OF COVER AT 2 FEET FROM THE BUILDING WHERE POSSIBLE.
17. UNDERGROUND UTILITIES SHALL BE MARKED IN ACCORDANCE WITH NTUA REQUIREMENTS.
18. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY EXISTING STRUCTURES, DRIVEWAY, SIDEWALKS, FENCES, ETC PRIOR TO CONSTRUCTION UNLESS OTHERWISE NOTED ON THESE PLANS.
20. CONTRACTOR IS RESPONSIBLE FOR RECONNECTING ALL EXISTING UTILITIES (WATER, SEWER, ELECTRIC, ETC.) UNLESS OTHERWISE NOTED ON THESE PLANS.

NTUA GENERAL NOTES FOR WATER SERVICE

1. PROVIDE 10' MINIMUM HORIZONTAL SEPARATION IN SEPARATE TRENCHES BETWEEN WATER AND SEWER MAINS. PROVIDE 5' MINIMUM HORIZONTAL SEPARATION BETWEEN WATER SERVICE AND OTHER UTILITIES. FOR WATER AND SEWER CROSSING, PROVIDE A MINIMUM OF 12" VERTICAL CLEARANCE. PIPE O.D. TO PIPE O.D. IF WATER SERVICE CROSSES OTHER UTILITIES, ALL STIPULATIONS FOR THE OTHER UTILITY MUST BE MET.
2. BUILDING PLUMBING FOR WATER AND SEWER TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE ADOPTED BY THE NAVAJO NATION.
3. WATER SERVICES SHALL HAVE A MINIMUM COVER OF 48" AND SHALL BE INSTALLED IN CONFORMANCE WITH NTUA STANDARDS AND SPECIFICATIONS.
4. SADDLES SHALL BE SINGLE STRAP/BAND TYPE FOR STEEL PIPE O.D. PVC. SADDLES SHALL BE DOUBLE STRAP/BAND TYPE FOR D.I., A.C., OR C-900 PIPE. ON EXISTING 2" PIPING, A 2"x 1" PVC TEE SHALL BE USED. CONTACT NTUA HEADQUARTERS ENGINEERING ON PIPING SMALLER THAN 2".
5. PROVIDE THE AS-BUILT SWING TIE INFORMATION FOR THE TAP POINT AND OTHER APPURTENANCES INSTALLED.
6. USE FIELD MARKERS WHERE APPROPRIATE.

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED ENGINEER / LAND SURVEYOR _____ DATE _____

REGISTRATION NUMBER _____

APPROVED BY:

NAVAJO NATION FIRE DEPARTMENT _____ DATE _____

SEWER AND WATER APPROVED BY:

NAVAJO TRIBAL UTILITY AUTHORITY _____ DATE _____

NTUA GENERAL NOTES FOR SEWER SERVICE

1. PROVIDE 10' MINIMUM HORIZONTAL SEPARATION IN SEPARATE TRENCHES BETWEEN THE WATER AND SEWER MAINS. PROVIDE 5' MIN. HORIZONTAL SEPARATION BETWEEN SEWER SERVICE AND OTHER UTILITIES. IF SEWER SERVICE CROSSES OTHER SERVICES, SEE N.T.U.A. CROSSING POLICY OR CONTACT N.T.U.A. HEADQUARTERS ENGINEERING.
2. SEWER CLEANOUTS ARE REQUIRED ON ALL BENDS IN EXCESS OF 45° AS PER NAVAJO TRIBAL UTILITY AUTHORITY. MODIFY MATERIAL LIST ACCORDINGLY AFTER CONSULTING WITH N.T.U.A. HEADQUARTERS ENGINEERING.
3. ADDITIONAL SEWER CLEANOUTS ARE REQUIRED ON SEWER SERVICES LONGER THAN 50 FT. AS PER UNIFORM PLUMBING CODE ADOPTED BY THE NAVAJO NATION. MODIFY MATERIAL LIST ACCORDINGLY AFTER CONSULTING WITH N.T.U.A. HEADQUARTERS ENGINEERING. EACH ADDITIONAL CLEANOUT IS AT THE CUSTOMER'S EXPENSE. INSTALL AT LEAST ONE CLEANOUT AS REQUIRED BY NOTE 2. IF CUSTOMER REQUESTS FEWER AND REALIZES THEY VIOLATES NAVAJO TRIBAL CODE THEN INSTALL PER THE CUSTOMER'S REQUEST AND SO NOTE ON THE INDIVIDUAL AS-BUILT. N.T.U.A. RECOMMENDS THAT CLEANOUTS BE SPACED NO MORE THAN 100.
4. PROVIDE PROPOSED ELEVATION AT WALL. PROVIDE 6 IN. DIAMETER SLEEVE IF PIPING PENETRATES WALL OR 4 IN. DEPTH OF SAND BETWEEN FOOTING AND TOP OF PIPING IF BELOW THE FOOTING. ORDER ASTM D-1785 SCH. 40 PIPE WITH FITTINGS AS NEEDED FOR THE SLEEVE. CONTACT N.T.U.A. HEADQUARTERS ENGINEERING ON PIPING SMALLER THAN 2 IN. IN SIZE.
5. STATE THE EXISTING PIPE TYPE AND O.D. (E.G. ASTM D-3034 FOR 30. PVC, & 40") SADDLE IS TO HAVE A GASKET SEAL OR O-RING AND NON-CORRODIBLE STRAP SECURING SYSTEM.
6. ALL 4" SERVICE LINES SHALL HAVE A MINIMUM SLOPE OF 1/4 INCH PER FOOT (2%) OR CONTACT N.T.U.A. HEADQUARTERS ENGINEERING.
7. BACKFILL IS TO BE HAND TAMPED (NO MECHANICAL) AND COMPACTED IN 6 INCH LAYERS FOR AT LEAST 12" IN ABOVE PVC PIPE. INSTALL PER ASTM D-2321 AND UNIFORM PLUMBING CODE ADOPTED BY THE NAVAJO NATION.
8. PROVIDE THE AS-BUILT AND SWING TIES FOR THE TAP POINT.
9. THE MATERIAL LIST SHALL BE MODIFIED IF A FIELD MARKER OF THE TAP POINT IS TO BE INSTALLED UNDER THE AS-BUILT TIE INFORMATION. PROVIDE THE SURFACE DESCRIPTION OF THE TAP POINT (E.G. OPEN FIELD, PAVED ROAD, ETC).
10. FOR MULTIPLE BENDS, A CLEANOUT IS REQUIRED UPSTREAM FROM THE FIRST BEND THAT CAUSED THE CUMULATIVE ANGLE TO EXCEED 45.

NTUA WATER AND SEWER UTILITY CONSTRUCTION NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NTUA TECHNICAL SPECIFICATIONS FOR MATERIALS AND WORKMANSHIP FOR WATER AND WASTEWATER FACILITIES, MARCH 2002.
2. CONTRACTOR SHALL OBTAIN APPROVED PERMANENT TAP (PT) FORMS PRIOR TO TAPPING EXISTING WATER AND SEWER MAINS.
3. CONTRACTOR SHALL COORDINATE WITH NTUA PRESENT AT THE SITE TO VERIFY LOCATION, DEPTH, SIZE AND TYPE OF UNDERGROUND UTILITIES.
4. CONTRACTOR TO COORDINATE WITH NTUA REGARDING WATER SHUT OFF WITH AT LEAST 5 DAYS ADVANCE NOTICE. LINE DISTRICTS TO NOTIFY AFFECTED CUSTOMERS AND TO MINIMIZE OUTAGE TIME PRIOR TO CONNECTION OF NEW WATER SERVICE.
5. UNLESS OTHERWISE DIRECTED, ONLY AUTHORIZED NTUA STAFF WILL BE ALLOWED TO OPERATE WATER VALVES FOR NEW CONNECTIONS TO EXISTING LINES AND FOR THE USAGE OF WATER.
6. ROUGH GRADING SHALL BE COMPLETED WITHIN 12 INCHES (1 FOOT) OF PLAN GRADE PRIOR TO INSTALLING WATER AND WASTEWATER UTILITIES.
7. COORDINATE WITH LOCAL UTILITY PROVIDERS FOR ANY REMOVAL OF EXISTING FACILITIES PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE. CONTRACTOR SHALL RESTORE AT OWN EXPENSE ANY DAMAGE TO EXISTING UTILITIES.
9. ALL WATER MAINS SHALL BE PRESSURE CLASS 150 (PC) PRESSURE PIPE WITH A MINIMUM OF 200 PSI PRESSURE CLASS UNLESS SPECIFIED OTHERWISE.
10. ALL FITTINGS AND VALVES 4" OR GREATER IN SIZE SHALL BE MADE FROM DUCTILE IRON FURNISHED WITH MECHANICAL JOINT ENDS AND SHALL HAVE A PRESSURE RATING OF 350 PSI. ALL VALVES SHALL HAVE "MEGALUG" MECHANICAL RESTRAINT WITH CONCRETE THRUST BLOCK, STD-015, WA-06. POLYETHYLENE WRAPPING (8 MILS MINIMUM THICKNESS) IN ACCORDANCE WITH AWWA STANDARD C-105, SHALL BE INSTALLED AROUND DUCTILE IRON PIPES, FITTINGS, AND VALVES. FIRE HYDRANT BARRELS AND RODS AND CLAMPS.
11. A WARNING/DETECTABLE MARKING TAPE SHALL BE INSTALLED AT 12" (MINIMUM) AND 18" (MAXIMUM) ABOVE THE WATER AND SEWER PIPE. WARNING TAPE SHALL CONSIST OF ONE LAYER OF ALUMINUM FOIL LAMINATED BETWEEN TWO COLORED LAYERS OF INERT PLASTIC FILM. THE LAMINATION BOND SHOULD BE STRONG ENOUGH THAT THE LAYERS CANNOT BE SEPARATED BY HAND. TAPE SHALL BE A MINIMUM 0.11 MILS THICK AND 4 INCHES WIDE. TAPE SHALL BEAR A CONTINUOUS, PRINTED MESSAGE EVERY 36 TO 36 INCHES WARNING OF THE INSTALLATION BURIED BELOW. TAPE SHALL BE TERRA TAPE, LINETEC, OR AS APPROVED BY NTUA.
12. DEFLECTION (VERTICAL OR HORIZONTAL) OF PIPES IS PROHIBITED AND SHALL CONFORM TO AMERICAN WATER WORKS ASSOCIATION (AWWA) A240 DEFLECTION FOR AWWA PRESSURE PIPE AND AT 80% OF MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION, WHICHEVER IS MORE STRINGENT. A COPY OF THE MANUFACTURER'S RECOMMENDATION SHALL BE SUBMITTED TO NTUA.
13. PIPES SHALL NOT BE BACKFILLED (INCLUDING BEDDING MATERIAL ABOVE THE SPRING LINE OF THE PIPE) UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY A NTUA REPRESENTATIVE.
14. CONTRACTOR TO PURCHASE ANY WATER METERS WITH MODULES AT LOCAL NTUA DISTRICT OFFICE.
15. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS OF ALL UTILITIES TO OWNER AND NTUA IN HARD COPY AND DIGITAL FORMAT.
16. HYDROSTATIC TESTING, FLUSHING AND CHLORINATION SHALL BE CONDUCTED IN ACCORDANCE WITH NTUA TECHNICAL SPECIFICATIONS FOR MATERIALS AND WORKMANSHIP FOR WATER AND WASTEWATER FACILITIES, MARCH 2002 SHALL BE COORDINATED WITH NTUA AT LEAST 5 DAYS IN ADVANCE. NTUA REPRESENTATIVE SHALL BE PRESENT TO RECORD THE INFORMATION AND CERTIFY THE TESTING.
17. UTILITY CONSTRUCTION ACCEPTANCE AND UTILITY TRANSFER: CONTRACTOR SHALL NOTIFY NTUA FOR PRE-FINAL INSPECTION WITH NTUA, ENGINEERING AND LOCAL DISTRICT OFFICE. OWNER AND GENERAL CONTRACTOR AT THE END OF CONSTRUCTION. MEASUREMENTS SHALL BE PROVIDED BY THE CONTRACTOR AS FOLLOWS: AS-BUILT DRAWING, APPROVED PPT, HYDROSTATIC TESTING RESULTS, MATERIAL SUBMITTAL AND COST OF PLANT. PLEASE FOLLOW THE NTUA TECHNICAL SPECIFICATIONS FOR MATERIALS AND WORKMANSHIP FOR WATER AND WASTEWATER FACILITIES, MARCH 2002, SECTION 01 9 0.
18. THE CONTRACTOR/ENGINEER SHALL PROVIDE WARRANTY ON ALL NEW WATER AND WASTEWATER FACILITIES AGAINST DEFECTS IN MATERIALS, WORKMANSHIP AND FOR ANY DESIGN DEFICIENCIES, ERRORS AND OMISSIONS FOR THE PERIOD OF ONE YEAR UNDER THE FACILITIES HAVE BEEN INSPECTED, ACCEPTED AND APPROVED.

SHEET INDEX

C100 - COVER SHEET & NOTES
C200 - GRADING & DRAINAGE PLAN
C210 - PAVING PLAN
C300 - C310 HORIZONTAL CONTROL SHEETS
C400 - UTILITY PLAN
C500 - C520 - DETAILS

OWNER

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PHOENIX, AZ 85014
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CONTACT: TERRY LEWIS OR STEVE LEWIS, PE

BASIS OF BEARINGS

GPS DERIVED BEARING FROM N.G.S. TRIANGULATION STATION "TONALEA"

VERTICAL DATUM

VERTICAL DATUM REFERENCED TO NATIONAL GEODETIC SURVEY BENCHMARK "X 49" PID#GP0061 WITH AN ELEVATION OF 5514.75 FT. (NAVD88)

REFERENCES

(R1) STATE PLANE COORDINATES (NAVD83) PER NATIONAL GEODETIC SURVEY, G.P.U.S. PROCESSED GPS DATA
(R2) SURVEY PLAT, CHAPTER HOUSE TRACT A1 TONALEA, F.M. LIMBAUGH ENGINEERING, DATE DECEMBER 1956
(R3) PUBLISHED CONTROL DATA SHEET "X 49" PID#GP0061 NATIONAL GEODETIC SURVEY

LEGEND

1040	PROPOSED CONTOUR LINE
1040	EXISTING CONTOUR LINE
	FLOW ARROW
P 123.123	PROPOSED PAVEMENT ELEVATIONS
EG 123.123	EXISTING GROUND ELEVATIONS
	DRAINAGE SWALE
	GRADE BREAK
	MONUMENT LINE
	PROPERTY LINE
6" S	EXISTING 6" SEWER LINE
S	EXISTING SEWER SERVICE
6" W	EXISTING 6" WATERLINE
8" W	EXISTING 8" WATERLINE
30" SD	EXISTING 30" STORM DRAIN CULVERT
6" W	PROPOSED 6" WATERLINE
W	PROPOSED WATER SERVICE LINE
4" FL	PROPOSED 4" FIRE LINE
4" S	PROPOSED 4" SEWER LINE

ABBREVIATIONS

BLDG	BUILDING
BOC	BACK OF CURB
CONC	CONCRETE
DTL	DETAIL
EG	EXISTING GRADE
EX BLDG	EXISTING BUILDING
FL	FLOW LINE
HA	HEADWALL
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
RAMP	RAMP
SD	STORM DRAIN
SHT	SHEET
SW	SIDEWALK
GMBC	BENCHMARK
MKC	BENCHMARK
MKRC	BENCHMARK

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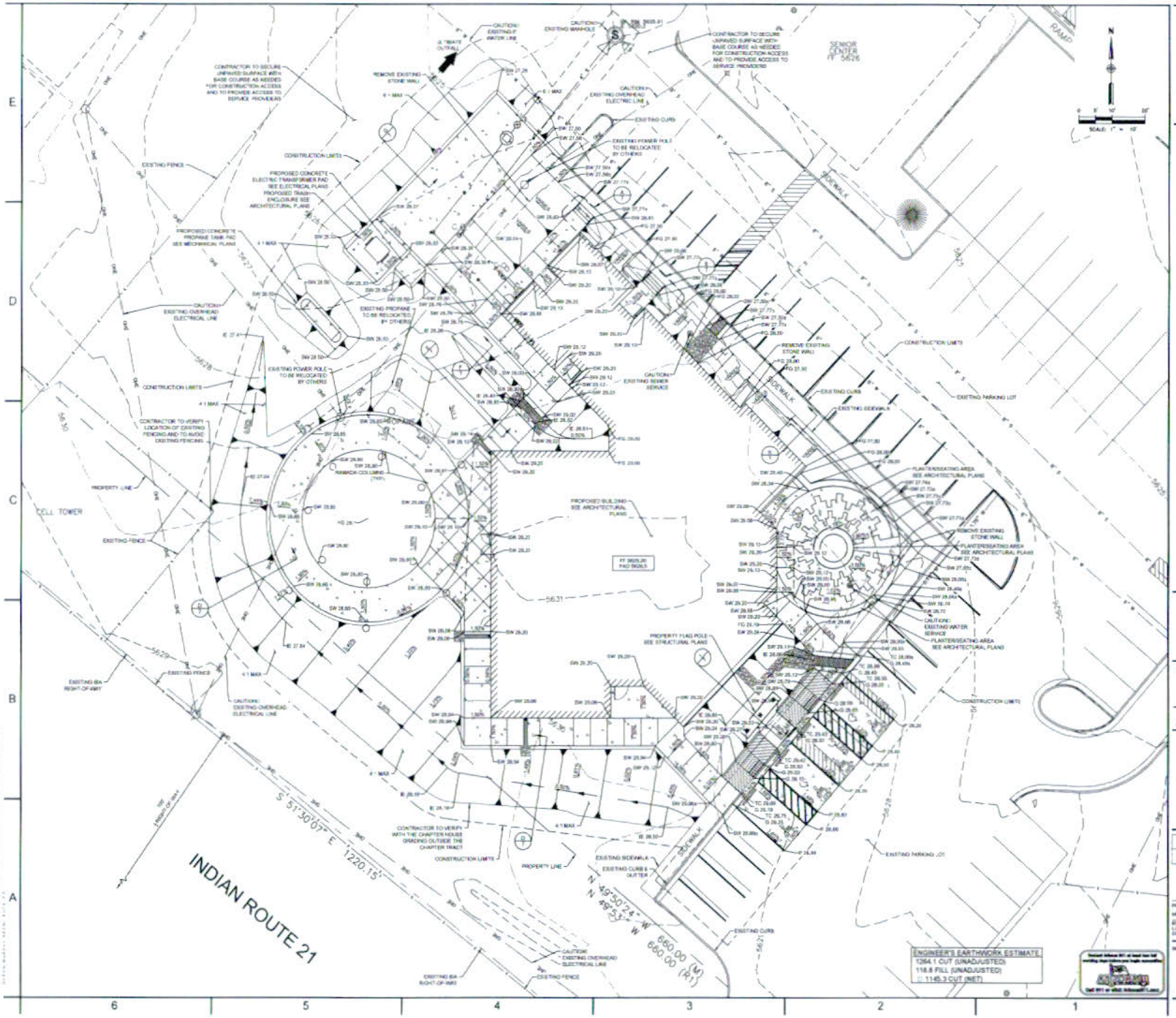
Revision Schedule		
Revision Number	Revision Date	Revision Description

COVER SHEET

C100

E D C B A

6 5 4 3 2 1



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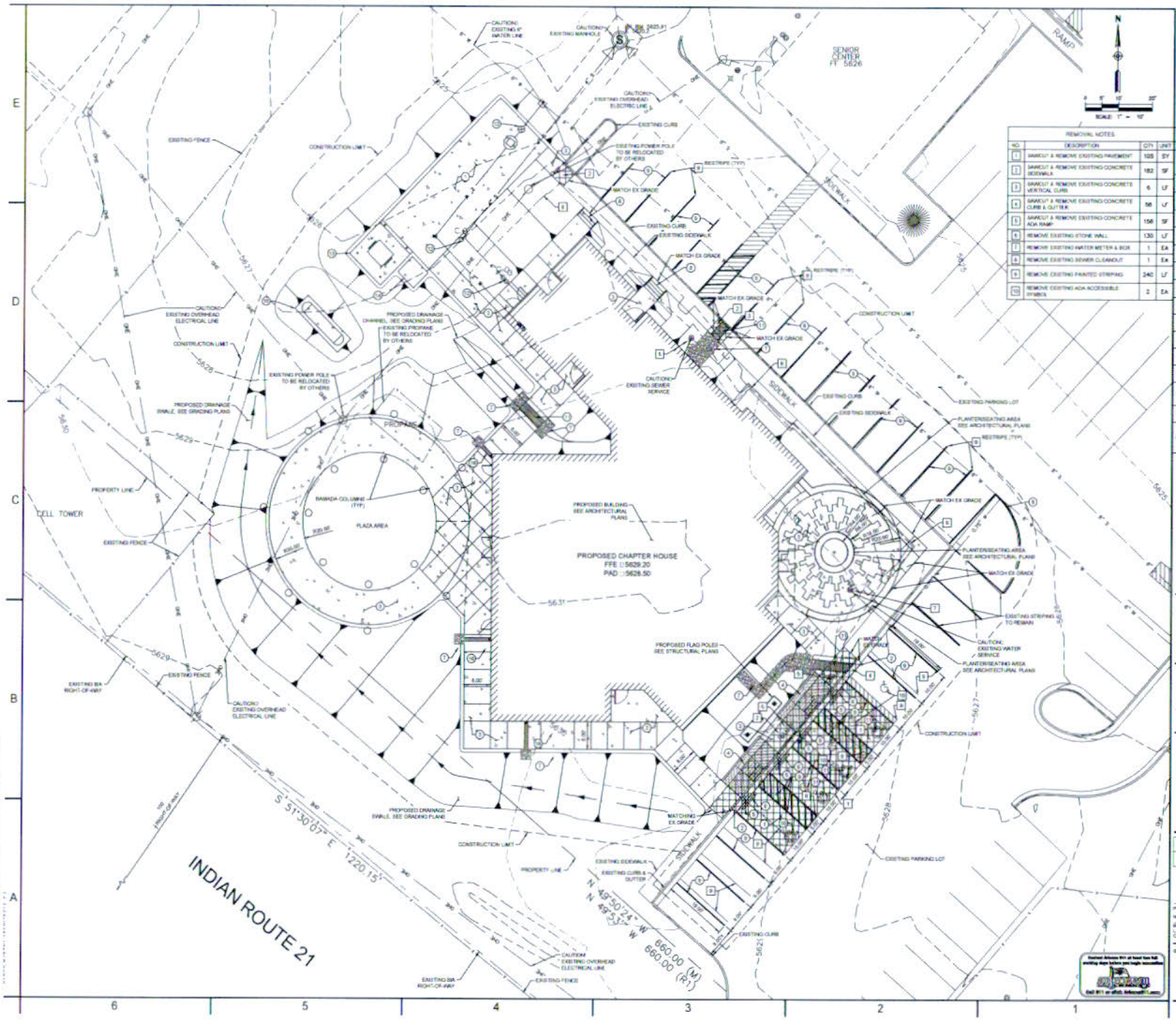
Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT MANAGER | DRAWN BY | REVIEWED BY
VERSION | Author | Checker
FILE LOCATION Tonalea Chapter House\TONALEA CHAPTER.dwg

Sheet Title
GRADING AND DRAINAGE PLAN

Sheet Number
C200

Sequence 2 of 5



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JANUARY 16, 2017

REMOVAL NOTES			
NO.	DESCRIPTION	QTY	UNIT
1	SAWCUT & REMOVE EXISTING PAVEMENT	105	SY
2	SAWCUT & REMOVE EXISTING CONCRETE SIDEWALK	182	SF
3	SAWCUT & REMOVE EXISTING CONCRETE VERTICAL CURB	6	LF
4	SAWCUT & REMOVE EXISTING CONCRETE CURB & GUTTER	58	LF
5	SAWCUT & REMOVE EXISTING CONCRETE ADA RAMP	156	SF
6	REMOVE EXISTING STONE WALL	130	LF
7	REMOVE EXISTING WATER METER & BOX	1	EA
8	REMOVE EXISTING SEWER CLEANOUT	1	EA
9	REMOVE EXISTING PAINTED STRIPING	240	LF
10	REMOVE EXISTING ADA ACCESSIBLE SYMBOL	2	EA

CONSTRUCTION NOTES			
NO.	DESCRIPTION	QTY	UNIT
1	NEW 6" CONCRETE SLAB W/#3 @ 18" 10/10 AWG WELDED FABRIC, SEE DETAIL J, SHEET 5	1968	SY
2	NEW 6" VERTICAL CURB AND GUTTER PER MAG STD DTL 220-1, TYPE A	58	LF
3	NEW CONCRETE SIDEWALK PER MAG STD DTL 230 (SIZE PER PLAN)	6772	SF
4	NEW SIDEWALK RAMP PER MAG STD DTL 235-5	2	EA
5	NEW ADA PARKING SIGN, SEE DTL K, SHEET 6	4	EA
6	NEW CONCRETE PARKING BUMPER	4	EA
7	INSTALL REPAIR WITH FILTER FABRIC, CRS 3/4", T=12"	100	SY
8	NEW CONCRETE STEPS, SEE DTL A, B & L, SHEET 5	2	EA
9	NEW 4" SOLID WHITE PAINTED STRIPING AS SHOWN	200	LF
10	NEW ADA ACCESSIBLE PAINTED SYMBOL AS SHOWN	2	EA
11	NEW SCUPPER PER MAG STD DTL 200	3	EA
12	ADJUST FRAME AND COVER PER MAG STD DTL 270	3	EA
13	NEW TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS	1	EA
14	NEW CONCRETE ELECTRICAL TRANSFORMER SLAB, SEE ELECTRICAL PLANS	1	EA
15	NEW CONCRETE PROPANE SLAB, SEE MECHANICAL PLANS	1	EA
16	NEW TRENCH DRAIN SYSTEM WITH STEEL FRAME, ZURN Z82 TRENCH NUMBER 8251 W/ DUCTILE IRON SLOTTED GRATE (DGC) OR EQUIVALENT, SEE DETAIL L, SHEET 5	1	EA

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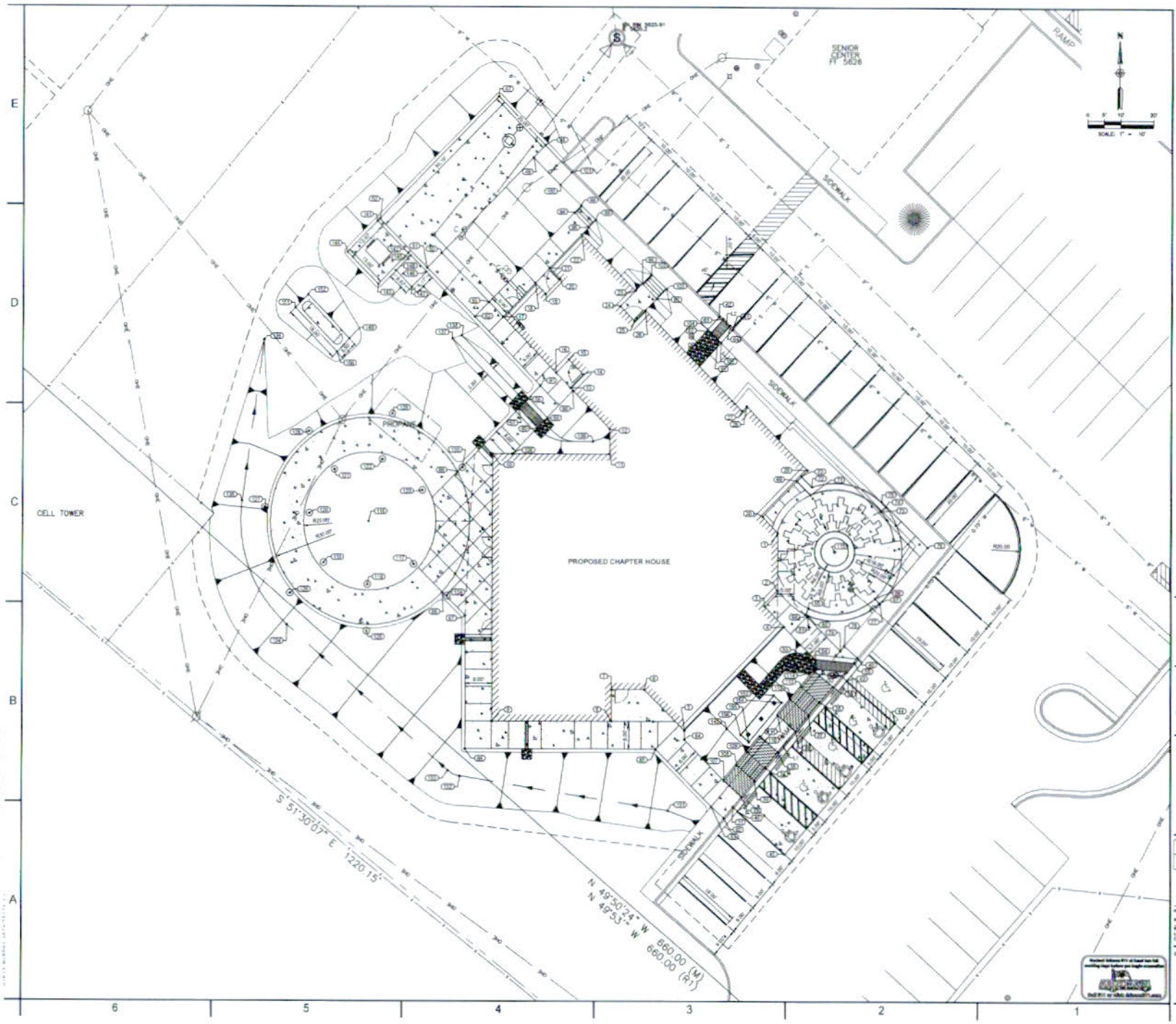
Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER
DRAWN BY
REVIEWED BY
RVT FILE

PAVING PLAN

Sheet Number

C210



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Revision Schedule		
Revision Number	Revision Date	Revision Description

HORIZONTAL CONTROL

Sheet Number

C300

Point Table

Point #	Northing	Easting	DESCRIPTION
1	196822.7360	92561.6020	BUILDING CORNER
2	196800.2546	92561.4020	BUILDING CORNER
3	196801.3586	92567.7041	BUILDING CORNER
4	196795.5043	92561.5034	BUILDING CORNER
5	196795.4238	92563.4768	BUILDING CORNER
6	196777.2876	92561.4021	BUILDING CORNER
7	196777.2919	92541.8236	BUILDING CORNER
8	196768.0476	92561.8256	BUILDING CORNER
9	196768.0476	92567.6957	BUILDING CORNER
10	196841.3884	92567.6957	BUILDING CORNER
11	196841.3884	92541.0671	BUILDING CORNER
12	196852.4736	92541.0671	BUILDING CORNER
13	196884.4708	92629.2321	BUILDING CORNER
14	196868.8546	92632.1079	BUILDING CORNER
15	196872.8954	92629.8120	BUILDING CORNER
16	196856.7746	92624.6363	BUILDING CORNER
17	196884.8271	92608.7638	BUILDING CORNER
18	196884.7068	92616.0884	BUILDING CORNER
19	196891.9100	92621.7957	BUILDING CORNER
20	196895.8184	92638.0746	BUILDING CORNER
21	196839.0176	92622.8765	BUILDING CORNER
22	196906.7152	92632.5742	BUILDING CORNER
23	196892.5947	92648.7152	BUILDING CORNER
24	196886.0343	92644.1584	BUILDING CORNER
25	196863.7181	92646.4717	BUILDING CORNER
26	196868.8578	92661.8111	BUILDING CORNER
27	196857.8640	92669.4006	BUILDING CORNER
28	196836.2571	92662.5230	BUILDING CORNER
29	196840.8729	92709.4372	BUILDING CORNER
30	196827.3885	92668.9528	BUILDING CORNER
31	196743.5802	92676.1479	BOC
32	196746.3868	92640.7344	BOC
33	196750.9449	92664.6475	BOC
34	196754.7353	92667.9084	BOC
35	196756.2828	92661.8215	BOC
36	196766.0520	92667.9428	BOC
37	196766.0007	92706.9597	BOC
38	196773.6940	92704.2187	BOC
39	196776.2383	92706.1298	BOC
40	196766.6579	92715.3725	BOC
41	196801.2408	92677.5444	BOC
42	196800.5089	92673.5380	BOC
43	196779.9666	92712.2732	CONCRETE SLAB
44	196767.6396	92726.9218	CONCRETE SLAB
45	196729.7425	92694.0056	CONCRETE SLAB
46	196742.1309	92676.6049	CONCRETE SLAB
47	196849.5853	92667.3815	CONCRETE SLAB
48	196834.4880	92631.5968	CONCRETE SLAB
49	196830.9065	92617.9962	CONCRETE SLAB
50	196803.2889	92590.3738	CONCRETE SLAB
51	196809.0443	92586.1318	CONCRETE SLAB
52	196813.1814	92571.4639	CONCRETE SLAB
53	196737.3196	92701.2909	SCUPPER
54	196738.2141	92702.5488	SCUPPER
55	196739.0608	92714.6807	SCUPPER
56	196732.4547	92712.4160	SCUPPER
57	196853.5896	92613.5831	SCUPPER
58	196860.5680	92615.5913	SCUPPER
59	196854.8113	92621.2482	SCUPPER
60	196872.8031	92619.2400	SCUPPER
61	196876.5306	92673.1781	SCUPPER
62	196832.4844	92671.1218	SCUPPER
63	196824.4603	92674.8476	SCUPPER
64	196832.5157	92676.8174	SCUPPER
65	196830.9067	92700.8489	PLANTER/SEATING BENCH
66	196833.7946	92720.8198	PLANTER/SEATING BENCH
67	196832.3054	92721.6046	PLANTER/SEATING BENCH
68	196799.0986	92699.8883	PLANTER/SEATING BENCH
69	196817.9963	92697.2038	PLANTER/SEATING BENCH
70	196839.1100	92685.6748	PLANTER/SEATING BENCH
71	196833.6816	92701.2701	PLANTER/SEATING BENCH
72	196836.0259	92701.7936	PLANTER/SEATING BENCH
73	196828.9462	92722.1415	PLANTER/SEATING BENCH
74	196830.2018	92723.4597	PLANTER/SEATING BENCH
75	196811.8098	92722.3308	SIDEWALK

Point Table

Point #	Northing	Easting	DESCRIPTION
76	196818.5318	92736.2496	SIDEWALK
77	196822.1751	92732.0202	SIDEWALK
78	196796.0088	92711.4776	SIDEWALK
79	196798.8428	92710.3180	SIDEWALK
80	196798.7812	92700.7519	SIDEWALK
81	196798.4856	92700.4784	SIDEWALK
82	196780.1724	92675.5796	SIDEWALK
83	196743.4241	92671.8001	SIDEWALK
84	196762.5236	92663.5141	SIDEWALK
85	196760.0476	92654.8765	SIDEWALK
86	196760.0476	92597.6957	SIDEWALK
87	196766.4605	92597.6957	SIDEWALK
88	196895.3003	92590.8589	SIDEWALK
89	196840.2137	92595.2370	SIDEWALK
90	196863.8873	92630.0240	SIDEWALK
91	196865.1312	92635.1245	SIDEWALK
92	196884.8274	92630.2983	SIDEWALK
93	196880.1086	92634.5411	SIDEWALK
94	196914.9635	92630.3013	SIDEWALK
95	196910.7475	92634.6114	SIDEWALK
96	196894.5872	92650.6876	SIDEWALK
97	196890.2509	92665.0342	SIDEWALK
98	196917.0487	92632.4237	SIDEWALK
99	196912.9303	92636.7908	SIDEWALK
100	196923.0302	92629.0765	SIDEWALK
101	196926.5627	92629.5832	SIDEWALK
102	196887.2825	92663.4032	SIDEWALK
103	196883.0947	92667.8479	SIDEWALK
104	196881.4128	92670.1581	SIDEWALK
105	196877.6153	92674.1382	SIDEWALK
106	196849.3684	92711.7255	SIDEWALK
107	196750.8408	92675.4471	ADA RAMP
108	196755.4825	92679.3594	ADA RAMP
109	196759.2637	92682.6197	ADA RAMP
110	196763.8326	92684.5320	ADA RAMP
111	196769.9029	92691.7514	ADA RAMP
112	196774.4529	92695.6837	ADA RAMP
113	196778.2429	92698.5239	ADA RAMP
114	196782.7918	92702.4362	ADA RAMP
115	196817.2148	92708.5040	SIDEWALK CENTER POINT
116	196825.7805	92698.8370	SIDEWALK CENTER POINT
117	196813.4169	92582.3732	"COLUMN"
118	196807.5184	92588.6196	"COLUMN"
119	196813.8882	92595.0733	"COLUMN"
120	196828.0638	92590.7011	COLUMN
121	196840.7061	92558.2840	COLUMN
122	196843.7211	92572.9432	COLUMN
123	196834.7947	92584.8008	COLUMN
124	196854.2704	92592.2906	COLUMN
125	196794.0447	92568.4083	COLUMN
126	196854.9991	92544.8679	COLUMN
127	196829.7288	92537.3090	COLUMN
128	196861.8013	92560.4750	COLUMN
129	196858.8884	92575.9218	COLUMN
130	196841.3815	92596.5849	COLUMN
131	196742.2056	92656.0464	SWALE CENTER LINE
132	196702.1920	92596.1581	SWALE CENTER LINE
133	196753.8034	92582.6696	SWALE CENTER LINE
134	196795.7021	92544.0053	SWALE CENTER LINE
135	196831.8139	92520.5155	SWALE CENTER LINE
136	196878.2384	92536.9117	SWALE CENTER LINE
137	196879.6487	92580.7347	DRAINAGE CHANNEL OUTLET
138	196879.5313	92596.3676	DRAINAGE CHANNEL OUTLET
139	196846.9910	92608.0371	SWALE INVERT
140	196796.0847	92579.2328	SWALE INVERT
141	196812.4522	92571.2581	TRASH ENCLOSURE
142	196803.2704	92580.4600	TRASH ENCLOSURE
143	196804.3064	92571.5127	TRASH ENCLOSURE
144	196803.4872	92562.3107	TRASH ENCLOSURE
145	196832.5641	92561.1670	TRANSFORMER PAD
146	196867.6529	92565.8892	TRANSFORMER PAD
147	196881.4852	92561.5308	TRANSFORMER PAD
148	196886.1967	92578.8036	TRANSFORMER PAD
149	196879.0786	92582.6770	PROPANE TANK SLAB
150	196874.6792	92558.8856	PROPANE TANK SLAB

Point Table

Point #	Northing	Easting	DESCRIPTION
151	196867.3631	92546.3434	PROPANE TANK SLAB
152	196881.2784	92550.1240	PROPANE TANK SLAB
153	196775.8728	92560.4870	FLAG POLE SLAB
154	196773.8850	92560.9871	FLAG POLE SLAB
155	196782.1523	92562.0540	FLAG POLE SLAB
156	196784.2930	92563.4738	FLAG POLE SLAB

LINE TABLE

LINE	BEARING	LENGTH
L1	N48°42'23"E	57.08
L2	N48°47'59"W	5.92

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21,
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Revision Schedule

Revision Number	Revision Date	Revision Description

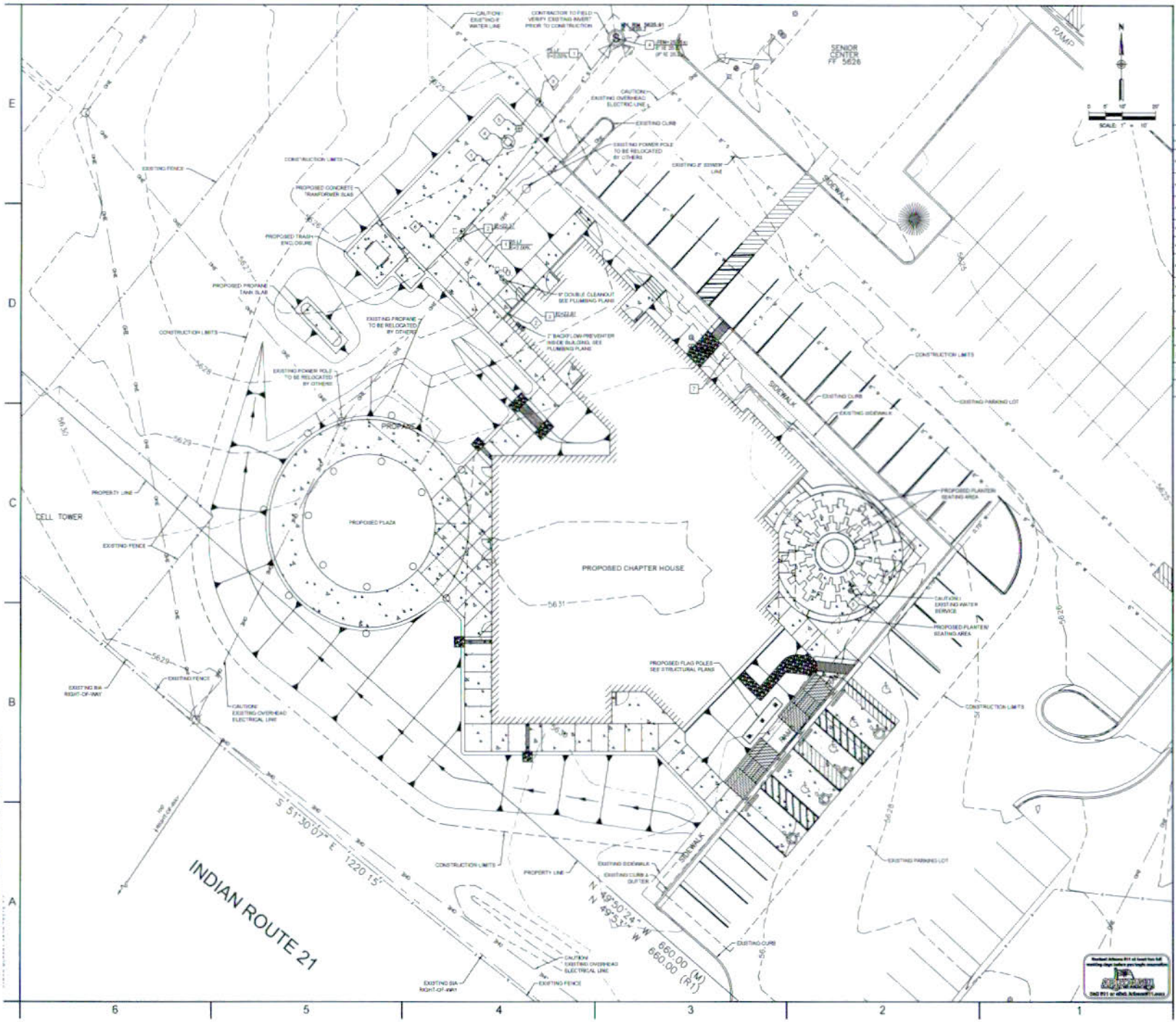
PROJECT NUMBER | DRAWN BY | REVIEW

HORIZONTAL CONTROL

Sheet Number

C310

Sequence 1 of 1



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INDIAN ROUTE 21,
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JANUARY 16, 2017

WATER CONSTRUCTION NOTES

NO	DESCRIPTION	QTY	UNIT
1	NEW 2" WATER SERVICE, AND FITTINGS, SDR-21 PVC, 200 PSI PER NTUA STD DTL WS-2	80	LF
2	NEW 2" WATER SERVICE BUILDING CONNECTION, SEE PLUMBING PLANS FOR DETAIL	1	EA
3	NEW 8"X2" D. MJ TEE W/ MEGA LUG RESTRAINT JOINTS & CONCRETE THRUST BLOCKS PER NTUA STD DTL WD-16 & WS-19	1	EA
4	NEW 2" WATER METER AND 4' DIA. VAULT PER NTUA STD DTLS WS-2 & WM-4	1	EA
5	NEW 2" GATE VALVE WITH CONCRETE THRUST BLOCK PER NTUA STD DTL WS-2	1	EA
6	NEW 2"-90° BEND, SDR-21 PVC W/ CONCRETE THRUST BLOCK PER NTUA STD DTL WS-19	1	EA
7	INSTALL NEW 4" CAP ON EXISTING WATER SERVICE LINE	1	EA

SEWER CONSTRUCTION NOTES

1	NEW 8" SDR-35 SANITARY SEWER LINE PER NTUA STD DTL WWS-10	100	LF
2	NEW 4" SANITARY SEWER SINGLE CLEANOUT PER NTUA STD DTL WWS-12	1	EA
3	CONNECT TO BUILDING SEWER SYSTEM SEE PLUMBING PLANS FOR DETAIL	1	EA
4	CONNECT 4" SEWER LINE TO MANHOLE PER NTUA STD DTL WWS-4	1	EA
5	INSTALL NEW 4" CAP ON EXISTING 4" SEWER SERVICE LINE		EA

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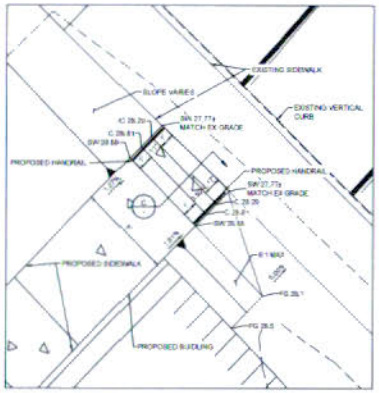
Revision Schedule

Revision Number	Revision Date	Revision Description

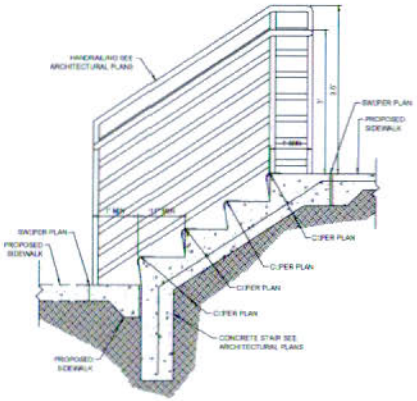
UTILITY PLAN

C400

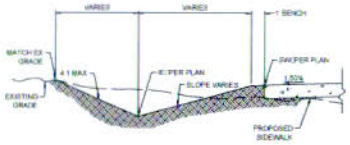


A CONCRETE STAIR DETAIL
N.T.S.

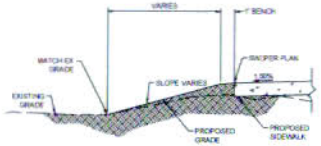
B CONCRETE STAIR DETAIL
N.T.S.



C CONCRETE STAIR SECTION
N.T.S.



D EARTH CHANNEL DETAIL
N.T.S.



E SLOPE DETAIL
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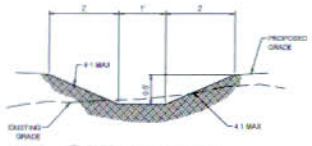

F EARTH CHANNEL DETAIL
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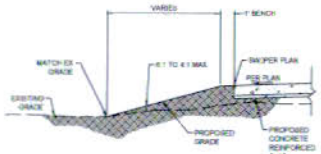

G SLOPE DETAIL
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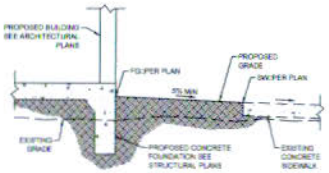

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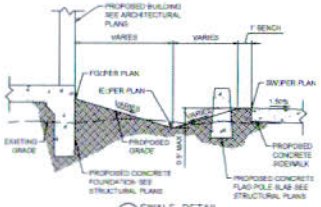

H SWALE DETAIL
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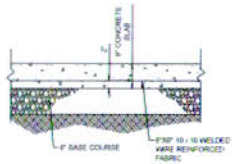

J REINFORCED CONCRETE SECTION
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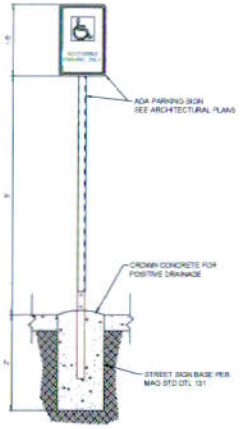

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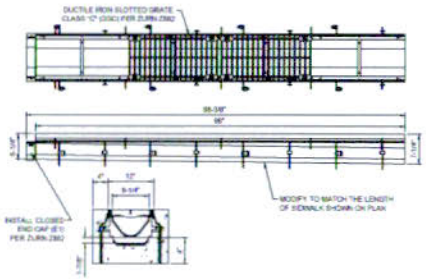

L ZURN Z882 TRENCH DRAIN DETAIL
N.T.S.

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21,
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ENGINEER

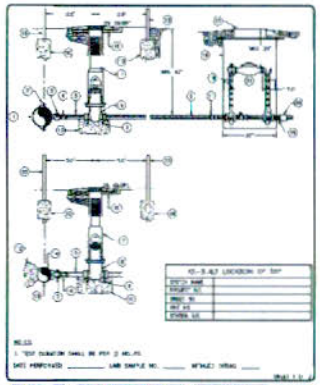
Revision Schedule

Revision Number	Revision Date	Revision Description

PROJECT NUMBER | ENGINEER | FIELD VISIT

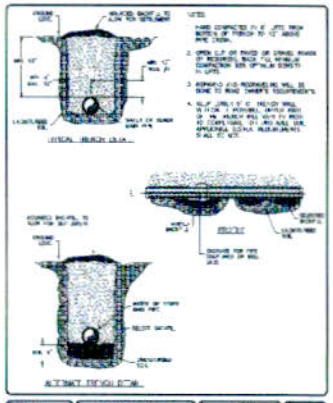
Sheet Title: DETAILS

Sheet Number: C500

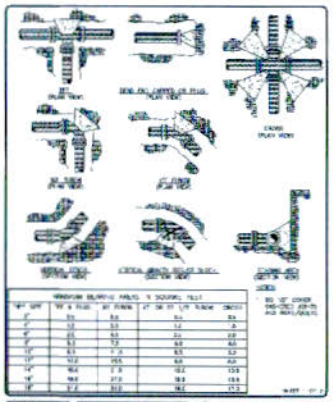


2" WATER SERVICE W/2" METER, NORMAL FLOW RATE = 0-160 GPM

MATERIAL LIST 2" WATER SERVICE W/ 2" METER

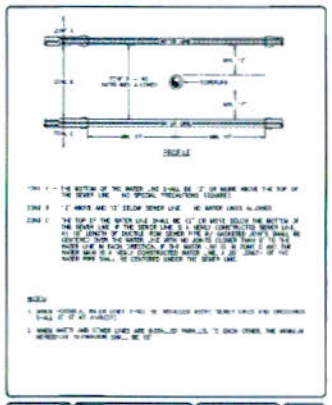


TRENCH DETAIL

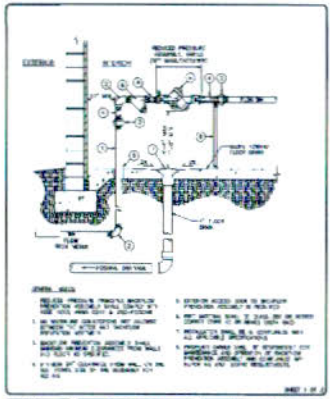


GRAVITY/THRUST BLOCK DETAILS

GRAVITY/THRUST BLOCK CHART

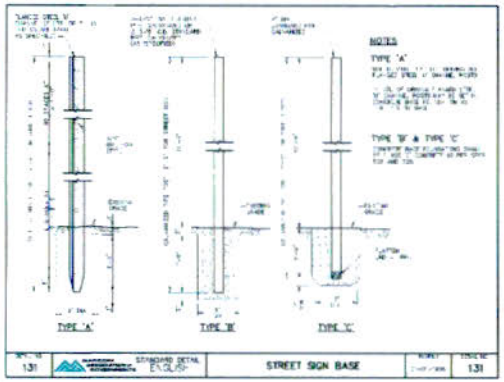


WATER AND SEWER CROSSING SEPERATION



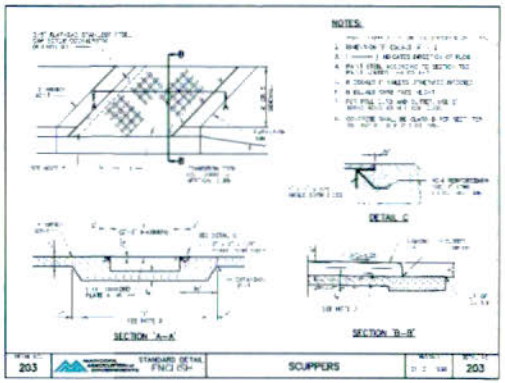
REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY

MATERIAL LIST 1" - 2" REDUCED PRESSURE PRINCIPLE



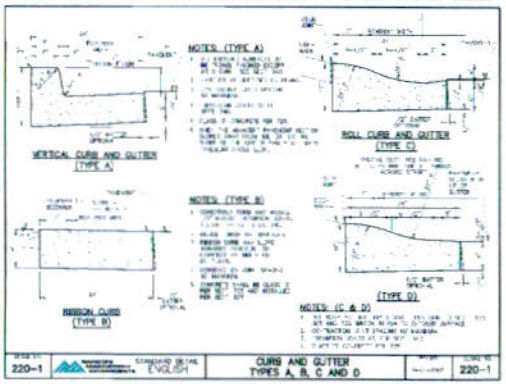
TYPE 'A' TYPE 'B' TYPE 'C'

STREET SIGN BASE — STANDARD DETAIL EL-01-01 — 131



SECTION 'A-A' SECTION 'B-B' DETAIL C

SCUPPERS — STANDARD DETAIL FING 03-1 — 203



VERTICAL CURB AND GUTTER (TYPE A) ROLL CURB AND GUTTER (TYPE C) REDUCED CURB (TYPE B) (TYPE D)

CURB AND GUTTER TYPES A, B, C AND D — STANDARD DETAIL EL-01-01 — 220-1

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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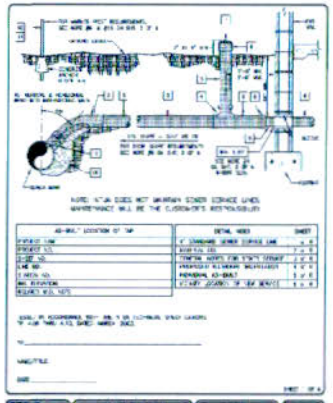
Revision Schedule

Revision Number	Revision Date	Revision Description

DETAILS

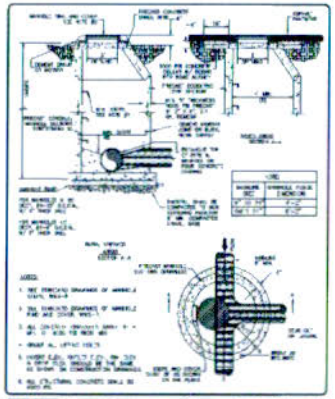
C510



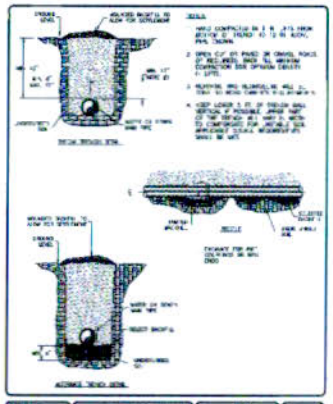
4" STANDARD SEWER SERVICE LINE

MATERIAL LIST STANDARD SEWER SERVICE LINE

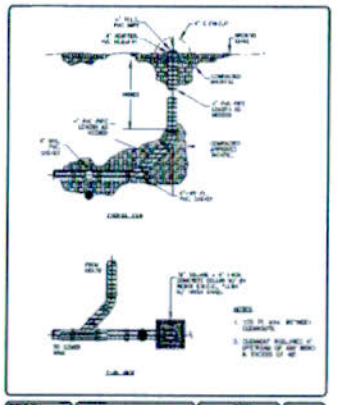
GENERAL NOTES SEWER SERVICE



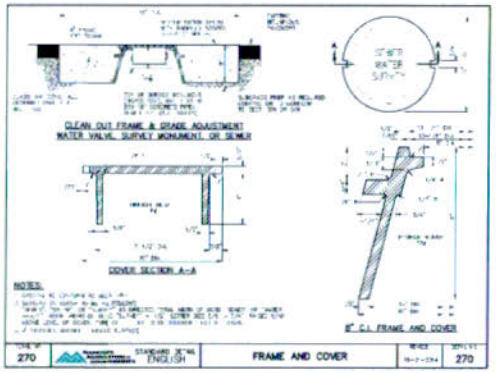
STANDARD PRECAST SEWER MANHOLE DETAIL

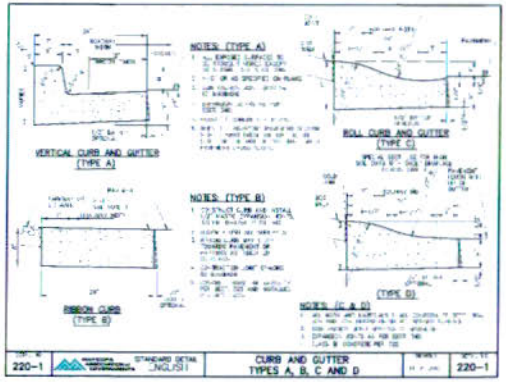


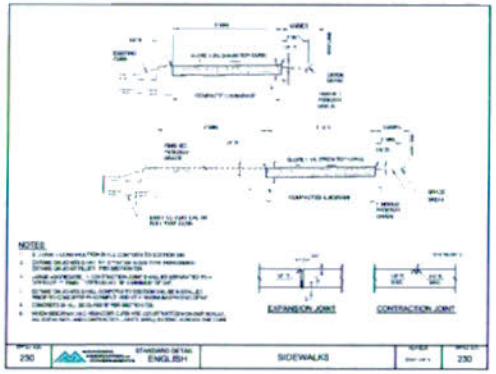
STANDARD TRENCH DETAIL

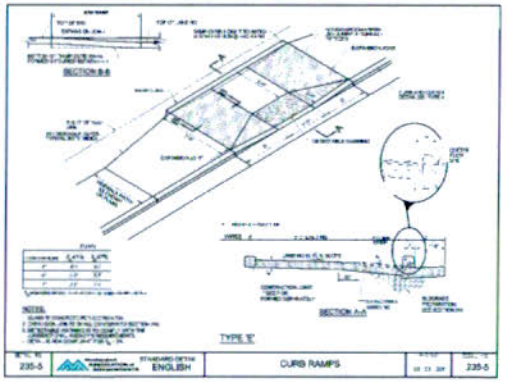


4" SEWER CLEANOUT DETAIL









TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21,
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ENGINEER

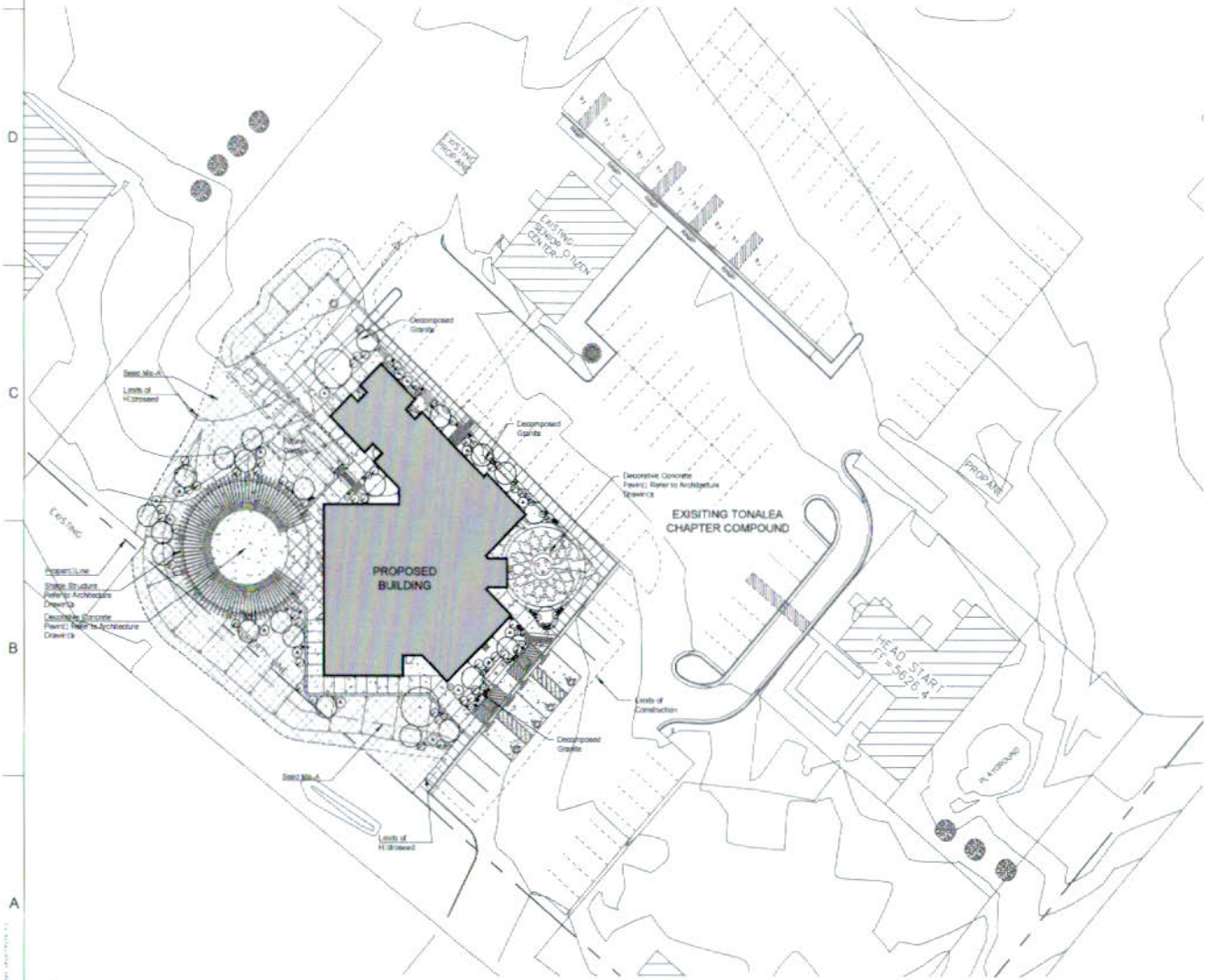
Revision Schedule		
Revision Number	Revision Date	Revision Description

DETAILS

C520

GENERAL LANDSCAPE NOTES:

1. The Landscape Architect, or his representative reserve the right to refuse any plant materials he deems unacceptable. (See specifications)
2. For clarification of discrepancies between the drawing and the site, it should be brought to the attention of the Landscape Architect prior to beginning work.
3. The Landscape Architect is to approve any and all substitutions.
4. Plant list provided for contractor's convenience only. Plans take precedence.
5. Double stake all 15 gallon and 24" box trees as required.
6. Exposed soil in planters shall be tilled and free from rocks, roots, weeds, etc.
7. Finished grade in ground cover and granite areas shall be 1" below adjacent header board, pavers, curbs, etc.
8. Plants shall be quality material having a growth habit that is normal for the species and be sound, vigorous, healthy and free from insects and mold.
9. Ground cover and/or decomposed granite shall extend under shrubs unless noted.
10. After all work is completed, the contractor shall remove all materials not incorporated in the Scope of Work from the job site.
11. Grading shall include all excavation, settlement, handling, import, distribution, transportation, and disposal necessary to bring mound to finish grade as shown on the civil and landscape plans.
12. All earthwork is to be done so that all water drains away from all structures.
13. All underground conduits and utilities are to be located before digging. Call Navajo Tribal Utility Authority at 1-800-628-5011.
14. All plant material to be guaranteed for a period of eighteen (18) months after final acceptance.
15. Landscape Contractor is responsible for final inspection of all landscape areas.
16. Backfill planting soil for all native species each one succulents to be existing native soil. A planting mix of 1/3 mulch, 2/3 native soil mixed thoroughly is to be used as plant backfill for non-native or exotic species.
17. In the event of major discrepancies between the plans and field conditions, contractor shall notify the Landscape Architect immediately. Allow a minimum of forty-eight (48) hours between notification of Landscape Architect and proceeding with construction of irrigation system.
18. All finished grade areas are to be 1" below all sidewalks and curbs.
19. Test drainage of plant beds and pits by filling with water. Conditions permitting, the retention of water in locations for more than twenty-four (24) hours shall be brought to the attention of the LA prior to any planting.
20. Contractor is responsible for providing sleeves to all landscape areas regardless whether they are shown on plans or not. Refer to sleeve schedule for size and quantity. If doubt or discrepancy exists request clarification from LA in writing.
21. Refer to Specifications for Plants that are considered to be invasive and should NOT be utilized on this project.



LANDSCAPE LEGEND

Supply and install the following plant material. Landscape Contractor to field verify location prior to planting. All plant material to meet A.N.A. specifications and be of sound health and appearance.

TREES	SIZE	QTY
Celtis reticulata Netleaf Hackberry	Standard 24" Box	3
Juniperus monosperma One Seed Juniper	6" Ht.	24

SHRUBS/ ACCENTS	SIZE	QTY
Atriplex canescens Fourwing Saltbush	5 Gallon	17
Chrysothamnus nauseosus Rabbit Brush	5 Gallon	49
Ephedra pedunculata Mormon Tea	5 Gallon	21
Parkinsonia praecox Palo Verde	1 Gallon	24
Dasylirion phaeodon Sotol	1 Gallon	14
Yucca baccata var. vespertina Navajo Soap Yucca	1 Gallon	7

GROUND COVER/ HARDSCAPE MATERIAL

[DG(TYP.)] Decomposed Granite - 3/4" Screened - Phoenix Rose or approved equal. 3" in planting areas as noted

SEED MIX - A

Botanical Name	Common Name	Balance
Artemisia bigelovii	Silver Sagebrush	1.0
Atriplex canescens	Fourwing Saltbush	1.0
Chrysothamnus nauseosus	Rubber Rabbitbrush	2.0
Dalea formosa	Black Dalea	1.0
Ephedra trifurca	Mormon Tea	2.0
Fallugia paradoxa	Apache Plume	1.0
Gutierrezia sarothrae	Broom Snakeweed	1.0
Dasylirion wheeleri	Sotol	1.0
Quercus turbinella	Shrub Live Oak	1.0
Bouteloua curtipendula	Sideoats Grama	1.0
Muhlenbergia porteri	Bush Muhly	1.0
Oryzopsis hymenoides	Indian Ricegrass	1.0
Sporobolus airoides	Alkali Sacaton	2.0
Cover Crop		
Triticum aestivum x secale cereale	Oat/Cereal Rye Triticale	8.0
	Total Balance	23.0

SHEET KEY

L-101 LANDSCAPE PLAN
L-301 DETAILS

1 PLANTING PLAN
SCALE: 1" = 20'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

CONSTRUCTION DOCUMENTS
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LANDSCAPE ARCHITECT

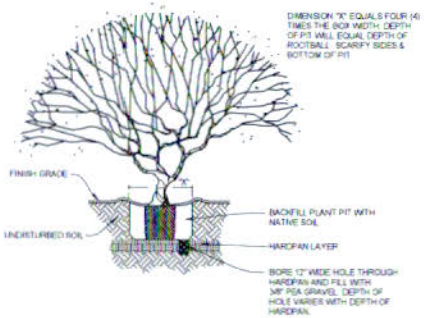
Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER
DRAWN BY
REVIEWED BY
DATE

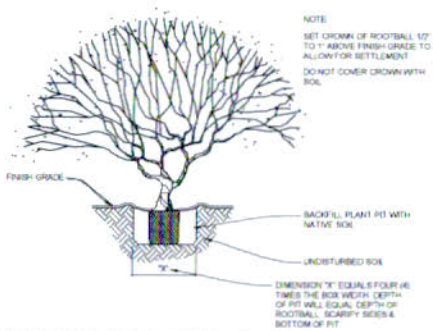
Sheet Title: Landscape Plan

Sheet Number: L101

Sequence 1 of 2



1 TREE PLANTING - HARDPAN
N.T.S.



2 TREE PLANTING - 36" BOX AND LARGER
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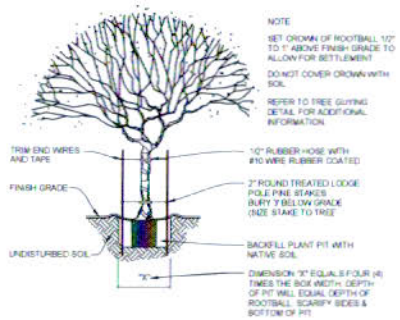
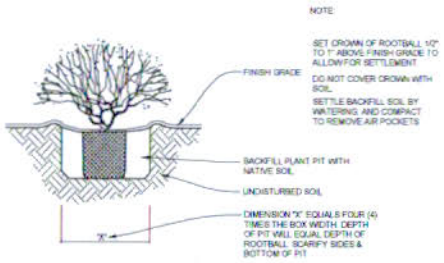


3 TREE PLANTING - 5 GAL TO 36" BOX (STAKING)
N.T.S.



4 SHRUB PLANTING - 1 GAL TO 15 GAL
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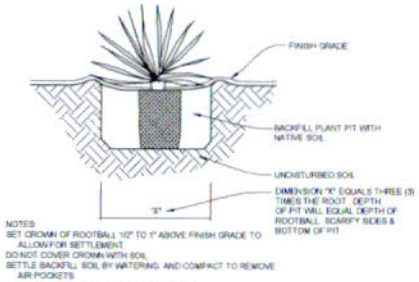

5 YUCCA / CACTUS PLANTING
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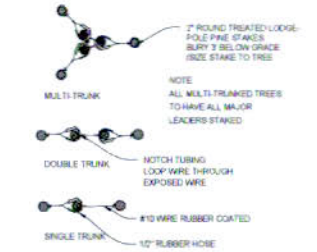

6 TREE GUYING DETAIL
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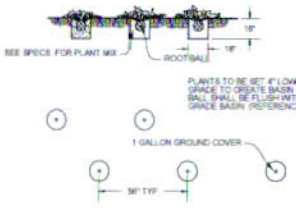

7 TYPICAL GROUNDCOVER INSTALLATION
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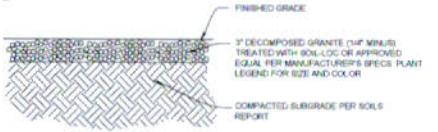
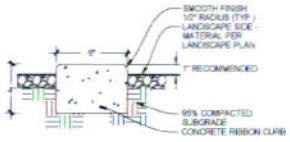


INSTALLATION

1. SUB-GRADE SHALL BE COMPACTED PRIOR TO PLACEMENT OF PRE-STABILIZED GRANITE MATERIAL
2. SPREAD PRE-STABILIZED GRANITE OVER PREPARED SUB-BASE/BASE MATERIAL TO SPECIFIED DEPTH
3. AFTER SPREADING AND LEVELING PRE-STABILIZED GRANITE, THOROUGHLY SATURATE THE ENTIRE DEPTH OF PRE-STABILIZED GRANITE WITH WATER TO ACTIVATE STABILIZING COMPOUND (RANDOM CORE SAMPLING SHOULD BE DONE TO ENSURE FULL DEPTH PENETRATION.)
4. AFTER THE PRE-STABILIZED GRANITE HAS BEEN SATURATED, ALLOW TO DRY TO A COMPACTABLE CONSISTENCY" (OPTIMUM MOISTURE) AND COMPACT WITH A VIBRATORY COMPACTOR OR 3-1/2 TON STEEL DRUM ROLLER. (*DRY TIME CAN RANGE FROM 2 TO 24 HOURS DEPENDING ON WEATHER CONDITIONS.)
5. PROTECT FROM TRAFFIC UNTIL ENTIRE DEPTH OF PRE-STABILIZED GRANITE HAS COMPLETELY DRIED. (THIS COULD BE 48 TO 72 HOURS DEPENDING ON WEATHER CONDITIONS.)

8 STABILIZED DECOMPOSED GRANITE
N.T.S.



9 CONCRETE RIBBON CURB
N.T.S.

SHEET KEY

L 101 LANDSCAPE PLAN
L 301 DETAILS

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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JANUARY 16, 2017

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LANDSCAPE ARCHITECT

Revision Schedule

Revision Number	Revision Date	Revision Description

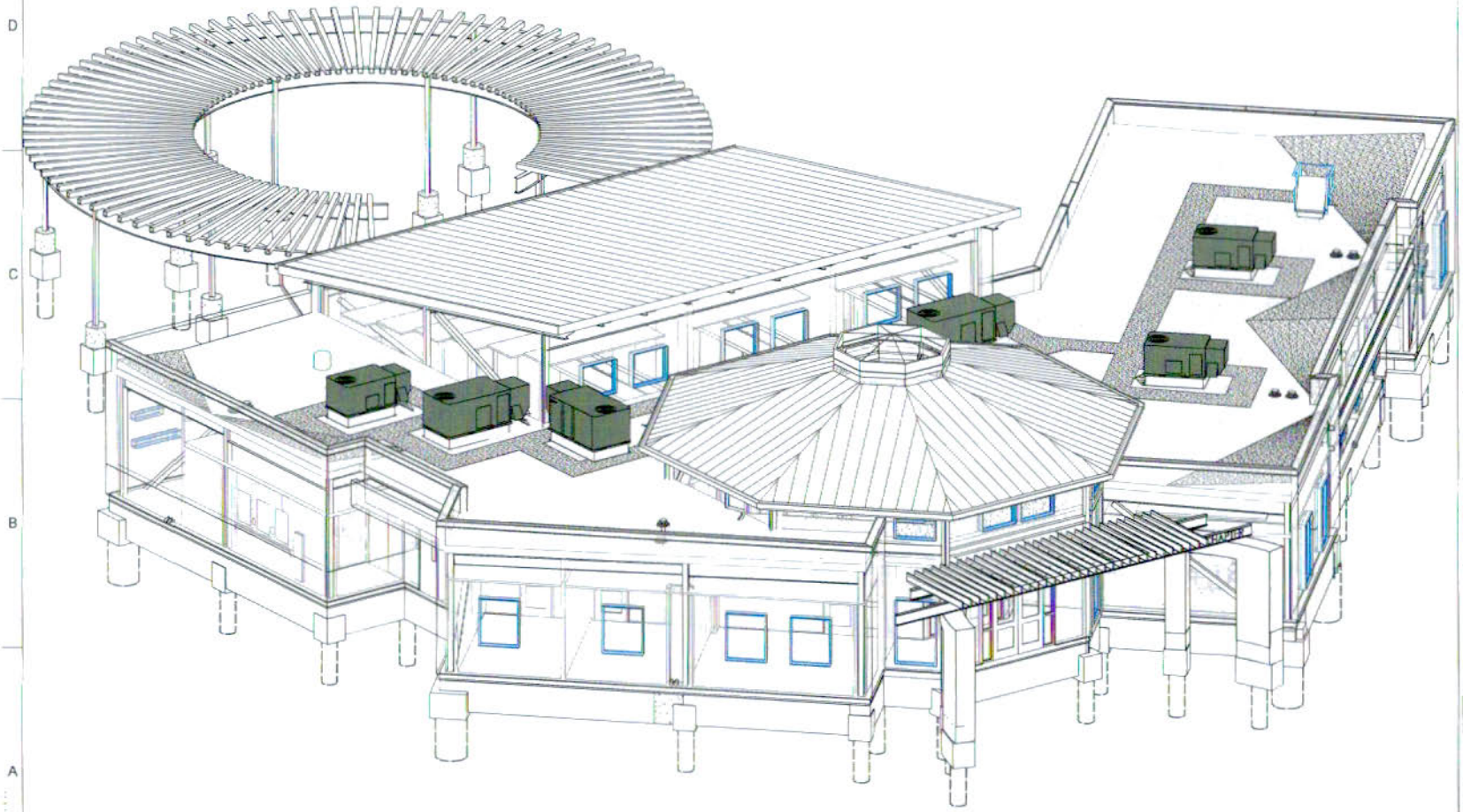
Sheet Title: Details

Sheet Number: L301

Sequence 2 of 2

JSR DESIGN STUDIO RETAINS OWNERSHIP OF ALL PLANS. PLANS SHALL NOT TO BE REPRODUCED OR USED FOR CONSTRUCTION PURPOSES WITHOUT FULL PRIOR WRITTEN CONSENT OF JSR DESIGN STUDIOS.

Sheet List	
SHEET NUMBER	SHEET NAME
S001	ABBREVIATIONS AND LEGEND
S002	GENERAL STRUCTURAL NOTES
S101	FOUNDATION PLAN
S111	LOW ROOF FRAMING PLAN
S000	COVER SHEET
S121	HIGH ROOF FRAMING PLAN
S501	FOUNDATION SECTIONS AND DETAILS
S511	FRAMING SECTIONS AND DETAILS
S521	TYPICAL FOUNDATION SECTIONS AND DETAILS
S711	TYPICAL FRAMING SECTIONS AND DETAILS
S712	TYPICAL FRAMING SECTIONS AND DETAILS
S714	TYPICAL FRAMING SECTIONS AND DETAILS
S715	TYPICAL FRAMING SECTIONS AND DETAILS
S716	WALL SECTIONS
S717	WALL SECTIONS
S718	WALL SECTIONS
S721	BRACED FRAME ELEVATIONS
S901	SCHEDULES AND DETAILS
S931	ENLARGED PLANS



A6 3D SHEET VIEW
SCALE

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21 TONALEA, ARIZONA

100% CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

Chavez-Grieves CONSULTING ENGINEERS, INC.

DYRON MURPHY ARCHITECTS, P.C.

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ENGINEER

Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN BY | REVIEWED BY

Author | Designer

SOFTWARE

Sheet Title: COVER SHEET

Sheet Number: S000

Designer

STRUCTURAL GRAPHIC SYMBOLS

SECTION CROSS-REFERENCE SYMBOL

EXTERIOR ELEVATION CROSS-REFERENCE SYMBOL

INTERIOR ELEVATION CROSS-REFERENCE SYMBOL

PLAN DETAIL CROSS-REFERENCE SYMBOL

AREA TO BE DETAILED

DETAIL CROSS-REFERENCE SYMBOL

NORTH ARROW SYMBOL

KEYNOTE SYMBOL

ELEVATION TARGET SYMBOL

MATCH LINE SYMBOL

MATCH LINE
SEE SHEET XXX-XXX

DRAWING TITLE SYMBOL

J7 DRAWING TITLE
SCALE: 3/4"=1'-0"

GRAPHIC BAR SCALE SYMBOL

STRUCTURAL GRID REFERENCE SYMBOL

REVISION INDICATOR SYMBOL

REVISION AREA

BASE PLATE MARK SYMBOL

SPOT FOOTING MARK SYMBOL

CONTINUOUS FOOTING MARK SYMBOL

WALL MARK SYMBOL

MOMENT CONNECTION SYMBOL

STRUCTURAL MATERIALS LEGEND

STEEL
BAR GRATING
COMPACTED EARTH
PLYWOOD (IN SECTION)
CAST-IN-PLACE CONCRETE
CHECKERED PLATE
COMPACTED EARTH
RIGID INSULATION
LIGHTWEIGHT CONCRETE
MASONRY GROUT
CMU (IN SECTION)
GLULAM
PRECAST CONCRETE
GRATING (IN SECTION)
CMU (IN PLAN)

ABBREVIATIONS

AE	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABAN	ABANDON
ABBRV	ABBREVIATION
AC	ASPHALTIC CONCRETE
ACI	AMERICAN CONCRETE INSTITUTE
ACP	ASPHALTIC CONCRETE PAVING
ACR	ACRYLIC
ACST	ACOUSTIC
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADDN	ADDITIONAL
ADDENDUM	ADDENDUM
ADJ	ADJACENT/ADJOINING
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGGR	AGGREGATE
AHR	ANCHOR
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ALIGNMT	ALIGNMENT
ALT	ALTERNATE, ALTERNATIVE
ALUM	ALUMINUM
AMP	AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPRD	APPROVED
APPROX	APPROXIMATE
APPV	APPROVED
AR	AS REQUIRED
ARCH	ARCHITECT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASPH	ASPHALT
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS
ASSN	ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATCH	ATTACHMENT
ATTN	ATTENTION
AWS	AMERICAN WELDING SOCIETY
AZ	AZIMUTH
BF	BELL AND FLANGE
BAL	BALANCE
BW	BACK TO BACK
BC	BOTTOM CHORD
BD	BOARD
BDRY	BOUNDARY
BEV	BEVEL
BFI	BELOW FINISH FLOOR
BKG	BACKING
BKGD	BACKGROUND
BLD	BUILD
BLDG	BUILDING
BLK	BLOCK/BLOCKING
BLT	BUILT
BLVD	BOULEVARD
BOW	BELOW
BM	BEAM
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BPL	BASE PLATE
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRG PL	BEARING PLATE
BS	BOTH SIDES
BSMT	BASEMENT
BT WELD	BUTT WELD
BTWN	BETWEEN
C	CHANNEL
CC	CENTER TO CENTER
CAM	CAMBER
CAN	CANOPY
CD	CONSTRUCTION DOCUMENTS, CONTRACT DOCUMENTS
CEM	CEMENT
CHRG	CHARGER
CHKD	CHECKED/CHECKERED
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT
CJ	CONTRACTION JOINT
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
CO	COMPANY
COA	CITY OF ALBUQUERQUE
COL	COLUMN
COM	COMMON
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS, CONTINUE
CONTR	CONTRACTOR
CORP	CORPORATE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CTR	CENTER
CTRL	CONTROL
CU	CUBIC
CU YD	CUBIC YARD
D	DEEP, DEPTH
D/B	DESIGN-BUILD
DAT	DATUM
DBL	DOUBLE
DEG	DEGREE
DEL	DELETE
DEMO	DEMOLITION
DET	DETAIL
DEV	DEVELOPMENT
DFTG	DRAFTING
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFERENCE, DIFFERENTIAL
DIM	DIMENSION
DIST	DISTANCE
DN	DOWN
DJ	DOUBLE JOIST
DL	DEAD LOAD
DOC	DOCUMENT
DOUG FIR	DOUGLAS FIR
DSGN	DESIGN
DWG	DRAWING
DWL/DWLS	DOWELS
E MOD	MODULUS OF ELASTICITY
EA	EACH
EE	ENGINEER
EF	ENGINEER
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC
ELEM	ELEMENTARY
ELEV	ELEVATOR
EMBED	EMBEDDED/EMBEDMENT
ENCL	ENCLOSURE
ENGR	ENGINEER
EOS	EDGE OF SLAB
EPA	ENVIRONMENTAL PROTECTION AGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ESCAL	ESCALATOR
ESMT	EASEMENT
ET	ESTIMATE
ETC	ET CETERA
EW	EACH WAY
EX	EXAMPLE
EXC	EXCAVATE
EXCL	EXCLUDE
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR

ABBREVIATIONS

FF	FACE TO FACE
FAB	FABRIC
FACIL	FACILITY
FB	FLAT BAR
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE FACE
FF EL	FINISH FLOOR ELEVATION
FG/GR	FINISH GRADE
FH	FLAT HEAD
FIN	FINISH
FIN FLR	FINISH FLOOR
FLG	FLANGE
FLR	FLOOR
FLR SR	FLOOR SINK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF SLAB
FOS	FACE OF STUD
FOW	FACE OF WALL
FR	FRAME
FRMG	FRAMING
FS	FAR SIDE
FSTNR	FASTENER
FT	FOOT (FEET)
FT LB	FOOT-POUND
FT LBF	FOOT-POUND FORCE
FTG	FOOTING
FUT	FUTURE
G	GINDER
GA	GAGE
GALV	GALVANIZED
GALV STL	GALVANIZED STEEL
GR BM	GRADE BEAM
GC	GENERAL CONTRACTOR
GEN	GENERAL
GLULAM	GLUED LAMINATED WOOD
GLZ	GLAZING
GOVT	GOVERNMENT
GRTG	GRATING
GT	GAUGE
H	HIGH
HAS	HEADED ANCHOR STUD
HC	HOLLOW CORE
HCP	HANDICAPPED
HD	HEAVY DUTY
HGR	HANGER
HLDN	HOLDOWN
HORIZ	HORIZONTAL
HS	HIGH STRENGTH
HSHPG	HOUSEKEEPING
HSS	HOLLOW STRUCTURAL SECTIONS
HST	HOIST
HT	HEIGHT
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IFS	INSIDE FACE OF STUD
IN	INCH
INCL	INCLUDED
INFO	INFORMATION
IPLB	HIGH POUND
IPLBF	HIGH POUND FORCE
INSTL	INSTALL
INSUL	INSULATION
INT	INTERIOR
IR	INSIDE RADIUS
J	JOIST
K	THOUSAND
KB	KNEE BRACE
KCJ	KEYED CONTROL JOINT
KIP	THOUSAND POUNDS
KIP FT	THOUSAND FOOT-POUNDS
KLF	KIPS PER LINEAL FOOT
KO	KNOCK OUT
KOP	KNOCK OUT PANEL
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	ANGLE
LAM	LAMINATE
LAT	LATERAL
LBF	POUND FORCE
LBR	LUMBER
LBS	POUND
LD BRG	LOAD BEARING
LF	LINEAR FEET (FOOT)
LIN	LINEAR
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LT GA	LIGHT GAUGE
LT WT	LIGHT WEIGHT
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE
M	MOMENT
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MOMENT CONNECTION
MCJ	MASONRY CONTROL JOINT
MD	METAL DECK
ME	MECHANICAL ENGINEER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIC	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MI	METAL INFILL
MO	MASONRY OPENING
MR	MACHINE SCREW
MRL	MEMBRANE LINER
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NF	NEAR FACE
NIC	NOT IN CONTRACT
NM	NEW MEXICO
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	OUT TO OUT
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFS	OUTSIDE FACE OF STUD
OPN	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTIONAL
OR	OUTSIDE RADIUS
PAR	PARALLEL, PARAPET
PARTL	PARTIAL
PC	PRICE, PORTLAND CEMENT
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCI	PRECAST/PRESTRESSED CONCRETE INSTITUTE
PED	PEDESTAL
PEN	PENETRATE
PERIM	PERIMETER
PERP	PERPENDICULAR
PH	PHASE
PL	PLASTER
PL	PLATE
PLAT	PLATFORM
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLM	PROALUM
PLYWD	PLYWOOD
POS	POSITION
PP	PANEL POINT
PRCST	PRECAST

ABBREVIATIONS

PREFAB	PREFABRICATE
PRELIM	PRELIMINARY
PREV	PREVIOUS
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
PT CONC	POST-TENSIONED CONCRETE
PTN	PARTITION
PVG	PAVING
QTY	QUANTITY
QUAD	QUADRANT
R	RADIUS, RISER
RC	REINFORCED CONCRETE
RD	ROOF DRAIN
REC	RECEIVED
REF	REFERENCE
REINF	REINFORCEMENT, REINFORCED
REPL	REPLACE
REQ	REQUIRE
REQD	REQUIRED
REV	REVISION
RIGID INS	RIGID INSULATION
RFI	REQUEST FOR INFORMATION
RND	ROUND
RO	ROUGH OPENING
RT	RIGHT
RVS	REVERSE
S	SOUTH
SCHEM	SCHEMATIC
SCHED	SCHEDULE
SD	SHEET DRAWINGS
SDI	STEEL DECK INSTITUTE
SDL	SADDLE
SE	STRUCTURAL ENGINEER
SECT	SECTION
SF	SQUARE FEET (FOOT)
SHT	SHEET, SHIPT
SHTHG	SHEATHING
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLNT	SEALANT
SM	SMOOTH
SP	SUMP PIT
SPA	SPACE/SPACES
SPEC	SPECIFICATION
SPRT	SUPPORT
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SSPC	STRUCTURAL STEEL PAINTING COUNCIL
ST	STAPS
STAG	STAGGERED
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STL JST	STEEL JOISTS
STL PL	STEEL PLATE
STL RF DK	STEEL ROOF DECK
STR	STRINGERS
STRUCT	STRUCTURAL
SUB	SUBSTITUTE
SUP	SUPPRESSED
SUPP	SUPPLEMENTARY
SUPPL	SUPPLEMENT
SYM	SYMBOL
SYMM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TB	THRU BOLT
TEMP	TEMPORARY
THD	THREAD
THK	THICKNESS
THRU	THROUGH
TJ	TRUSS JOIST INSTITUTE
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOC FTG	TOP OF CONCRETE FOOTING
TOC WALL	TOP OF CONCRETE WALL
TOF	TOP OF FOOTING
TOG	TOP OF GRATE
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSOM/TRE
TRNBKL	TURNBUCKLE
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VERT	VERTICAL
VF	VERIFY IN FIELD
VNR	VENEER
VR	VAPOR RETARDER
VRFY	VERIFY
W	WIDE, WIDE
W/	WITH
W/O	WITHOUT
WDL	WOOD BLOCKING
WD	WOOD
WF	WIDE FLANGE
WF BM	WIDE FLANGE BEAM
WL	WIND LOAD
WLD	WELDED
WM	WIRE MESH
WP	WATERPROOFING
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
X BRACE	CROSS BRACING
XH	DOUBLE EXTRA HEAVY
YD	YARD

GENERAL FOUNDATION NOTES

GENERAL

A SUBSURFACE SOIL INVESTIGATION HAS BEEN MADE BY GEOMAT PROJECT NUMBER 17-113.

A REPORT OF THIS INVESTIGATION DATED AUGUST 23, 2016 IS AVAILABLE FOR VIEWING AT THE OFFICE OF THE ARCHITECT.

THE FOUNDATION SYSTEM FOR THIS PROJECT IS DRILLED PIERS.

ADDITIONAL INFORMATION CONCERNING SPECIFIC SOIL CONDITIONS TO BE ENCOUNTERED IS AVAILABLE IN THE SOILS REPORTS AND SHALL BE REVIEWED BY THE CONTRACTOR.

FIELD CONSTRUCTION AND TESTS

THE OWNER SHALL EMPLOY THE SERVICES OF A REGISTERED LICENSED GEOTECHNICAL ENGINEER TO OBSERVE ALL CONTROLLED EARTHWORK. THE GEOTECHNICAL ENGINEER SHALL PROVIDE CONTINUOUS ON-SITE OBSERVATION BY EXPERIENCED PERSONNEL DURING CONSTRUCTION OF CONTROLLED EARTHWORK. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY FIELD OPERATIONS OF THE CONTROLLED EARTHWORK.

TESTS OF MATERIALS SHALL BE MADE AT THE FOLLOWING MINIMUM RATES. THE ON-SITE GEOTECHNICAL ENGINEER SHALL DETERMINE THE ACTUAL TESTING RATES.

ONE FIELD DENSITY TEST PER 100 SQUARE YARDS OF COMPACTED SUBGRADE PRIOR TO PLACING STRUCTURAL FILL OR SLAB-ON-GRADE WITH A MINIMUM OF 1 TEST.

ONE FIELD DENSITY TEST PER 100 CUBIC YARDS OF STRUCTURAL FILL PLACED OR EACH HORIZONTAL LAYER OF STRUCTURAL FILL, WHICHEVER IS GREATER.

ONE MOISTURE-DENSITY CURVE FOR EACH TYPE OF MATERIAL USED, INCLUDING BOTH THE SIEVE ANALYSIS AND THE PLASTICITY INDEX.

THE GEOTECHNICAL ENGINEER SHALL SUBMIT THE RESULTS OF ALL REQUIRED TESTS.

CLEARING AND GRUBBING

REMOVE ALL BRUSH, RUBBER, GRASS, AND GRASS ROOTS FROM THE CONSTRUCTION AREA.

REMOVE STUMPS, MATTED ROOTS AND ROOTS LARGER THAN 1 INCH DIAMETER WITHIN 3 INCHES OF THE SURFACE OF AREAS ON WHICH FILL AND/OR FOOTINGS ARE TO BE CONSTRUCTED.

REMOVE ALL TOPSOIL FROM THE CONSTRUCTION AREA. THIS MATERIAL SHALL NOT BE USED AS FILL MATERIAL BUT MAY BE STOCKPILED AND LATER USED IN THE TOP 6 INCHES OF FILL OUTSIDE THE BUILDING PAD.

SITE EXPLOSIVE AND BEARING SURFACE PREPARATION

A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM COMPLETE EXCAVATION OF ANY UNCONTROLLED FILL.

OVEREXCAVATE ALL SOIL BENEATH PAD FOOTINGS AND FLOOR SLAB AND ALL UNCONTROLLED FILL TO A MINIMUM DEPTH OF 3 FEET.

OVEREXCAVATE ALL SOIL BENEATH PIER SITE RETAINING WALL FOOTINGS TO A MINIMUM DEPTH OF 3 FEET.

SCARIFY ALL EXPOSED SUBGRADE SOILS TO A DEPTH OF 12 INCHES, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 2%) AND COMPACT TO THE DENSITY SPECIFIED HEREINAFTER.

PLACE ALL STRUCTURAL FILL IN APPROXIMATELY HORIZONTAL LAYERS NOT GREATER THAN 8 INCHES IN LOOSE THICKNESS, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 2%) AND COMPACT TO DENSITY SPECIFIED HEREINAFTER.

ALL EXCAVATION FOR THE BUILDING PAD SHALL EXTEND A MINIMUM OF 5 FEET BEYOND THE PERIMETER FOOTINGS.

STRUCTURAL FILL REQUIREMENTS

GRADATION (ASTM D422)

SIEVE SIZE	PERCENT PASSING BY WEIGHT
4"	100
3/4"	85-100
NO. 4	40-85
NO. 200	0-12

PLASTICITY INDEX (ASTM D4318) 15 MAXIMUM
LIQUID LIMIT (ASTM D4318) 40 MAXIMUM

MATERIAL LARGER THAN 3 INCHES SHALL NOT BE PLACED IN THE STRUCTURAL FILL, AND MATERIAL LARGER THAN 4 INCHES SHALL NOT BE PLACED WITHIN THREE INCHES OF THE BEARING SURFACES OF SLABS OR FOUNDATIONS.

NO RUBBISH, SOD, FROZEN MATERIAL OR OTHER UNSUITABLE MATERIAL SHALL BE PLACED IN THE STRUCTURAL FILL. MATERIAL SHALL BE PLACED IN SUCH A MANNER AS TO RESULT IN A UNIFORM COMPACTED FILL.

IMPORTED FILL OR EXISTING SOILS MAY BE USED FOR THE STRUCTURAL FILL. HOWEVER, IN ORDER TO MEET THE ABOVE CRITERIA THE ON-SITE SOILS WILL PROBABLY NEED TO BE MIXED WITH IMPORTED FILL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MOST APPROPRIATE METHOD TO PROVIDE THE REQUIRED STRUCTURAL FILL.

GRANULAR BASE COURSE REQUIREMENTS

GRADATION (ASTM C136)

SIEVE SIZE	PERCENT PASSING BY WEIGHT
1"	100
3/4"	85-100
NO. 4	40-85
NO. 200	0-12

PLASTICITY INDEX (ASTM D4318) 4 MAXIMUM

THE COARSE AGGREGATE SHALL HAVE A PERCENT WEAR OF 50 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM C131.

COMPACTION REQUIREMENTS

IN ACCORDANCE WITH ASTM D698 (STANDARD PROCTOR), SUBGRADE SOILS AND STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE MAXIMUM DRY DENSITY AT +/- 2% OF THE OPTIMUM MOISTURE CONTENT.

MINIMUM MATERIAL	PERCENT COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	95
SUBBASE FOR SLAB SUPPORT	95
SUBGRADE BELOW STRUCTURAL FILL	95
MISCELLANEOUS BACKFILL	90

SITE RETAINING WALL DESIGN CRITERIA

LOADING CONDITION	EQUIVALENT FLUID PRESSURE
ACTIVE EARTH PRESSURE	45 PCF
PASSIVE EARTH PRESSURE	350 PCF
EARTH PRESSURE AT REST	65 PCF
SOIL FRICTION FACTOR	0.35
SOIL BEARING CAPACITY	2000 PSF

TONALEA CHAPTER REPLACEMENT BUILDING
INDIAN ROUTE 21, TONALEA, ARIZONA
100% CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

Chavez-Grieves Consulting Engineers, Inc.

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ENGINEER

Revision Schedule

Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN BY: Author | REVIEWED BY: Designer

CAD FILE: C:\Users\Peggy\Documents\MEP\1-20 Tonalea Street 2015_Peggy.rvt

Sheet Title: ABBREVIATIONS AND LEGEND

Sheet Number: S001

Sequence: 47

GENERAL STRUCTURAL NOTES

CODES AND MANUALS:

IBC - 2012 INTERNATIONAL BUILDING CODE (IBC)
ASCE/SEI 7-10 STRUCTURAL DESIGN OF COMPOSITE SLABS
ASCE/SEI 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
AISC 341-10 SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS
AISC MANUAL OF STEEL CONSTRUCTION 14TH EDITION
SJI-K-1.1-10 STANDARD SPECIFICATION FOR OPEN WEB STEEL JOISTS, K-SERIES
SDI DIAPHRAGM DESIGN MANUAL - 3RD EDITION
AISI S100-12 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS
AISI S200-12 NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS
AISI S211-07 NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - WALL STUD DESIGN WITH 2012 SUPPLEMENT
AISI S213-12 NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - HEADER DESIGN
AISC/CISC/NSCC/CSA STANDARD FOR STEEL ROOF DECK
NRMCA METAL BUILDING SYSTEMS MANUAL, 2007 EDITION
ACI 318-11 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
PCI DESIGN HANDBOOK - MANUAL OF PCI, 7TH EDITION
ACI 530-11 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES
ACI 530.1-11 SPECIFICATIONS FOR MASONRY STRUCTURES
AWS D1.1-2010 STRUCTURAL WELDING CODE - STEEL
AWS D1.3-2010 STRUCTURAL WELDING CODE - SHEET STEEL
AWS D1.4-2010 STRUCTURAL WELDING CODE - REINFORCING STEEL

DESIGN CRITERIA:

VERTICAL

DEAD LOAD:

ROOF	40 PSF
MINIMUM CONCENTRATED LOAD	300 LBS.
ADDITIONAL SUPERIMPOSED LOADS:	
PARTITIONS	5 PSF
SUSPENDED EQUIPMENT	10 PSF
CONCENTRATED LOAD	2000 LBS
(REFER TO 1607.4)	

ROOF LIVE LOAD (LR = D*R1*R2) 20 PSF
REDUCTION FACTOR BASED ON TRIBUTARY R1 = 1.2
REDUCTION FACTOR BASED ON ROOF SLOPE R2 = 1.0

SNOW LOAD
GROUND SNOW LOAD Pg = 10 PSF
FLAT ROOF SNOW LOAD* Pf = 0.7*Pg
SNOW EXPOSURE FACTOR Ce = 1.0
SNOW LOAD IMPORTANCE FACTOR Is = 1.0
THERMAL FACTOR Ct = 1.0
*INCLUDES 5 PSF RAIN-ON-SNOW SURCHARGE LOAD

HORIZONTAL

WIND:
BASIC WIND SPEED 115 MPH
WIND IMPORTANCE FACTOR Iw = 1.0
RISK CATEGORY II
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT (GCPi) = ±0.18
NATURAL FREQUENCY 1.2Hz
STRUCTURE IS RIGID

SEISMIC:
SEISMIC IMPORTANCE FACTOR Ie = 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS
SHORT PERIOD Ss = 0.2275
1 SECOND PERIOD S1 = 0.0750
SITE CLASS C
SPECTRAL RESPONSE COEFFICIENTS
SHORT PERIOD SDS = 0.1600
1 SECOND PERIOD SD1 = 0.0800
SEISMIC DESIGN CATEGORY B
BASE SEISMIC FORCE RESISTING SYSTEM
BUILDING FRAMING SYSTEM - STEEL SPECIAL MOMENT FRAMES (SMF) DETAILED FOR SEISMIC RESISTANCE
SEISMIC RESPONSE COEFFICIENT Cs = 0.0800
RESPONSE MODIFICATION FACTOR R = 8
DESIGN BASE SHEAR V = Cs*W
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

ALLOWABLE SOIL BEARING PRESSURE = 2500 PSF

FROST DEPTH = 24 INCHES

FUTURE BUILDING EXPANSION: NONE

GENERAL:

STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO THE SHOP DRAWINGS AND FIELD WORK.

COORDINATE DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, BLOCKOUTS, ETC. WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER DISCIPLINES, PROJECT SHOP DRAWINGS, AND FIELD CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL. THE STRUCTURAL DRAWINGS ONLY REPRESENT A PORTION OF THE REQUIREMENTS FOR THE PROJECT.

SEE ARCHITECTURAL PLANS FOR INTERIOR NON-BEARING PARTITION WALLS. PARTITION FRAMING SHALL BE CONNECTED TO THE PRIMARY STRUCTURE TO ALLOW FOR VERTICAL LIVE LOAD DEFLECTIONS OF SPANNING FOR FLOOR FRAMING AND SPANNING FOR ROOF FRAMING.

CONTRACTORS, CONSTRUCTION AND/OR DEMOLITION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING CONSTRUCTION PERIOD.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

SHOP DRAWINGS SHALL BE STAMPED AND REVIEWED (REFER) ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. PROPERLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.

TEMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.

NOTCHING OF OUTSIDE ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.

THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED. NO CONCRETE MORE SHALL BE POURED OVER ANY FOOTING UNTIL THE CONTRACTOR HAS VERIFIED THE SIZE AND LOCATION OF FOUNDATIONS UNDER EQUIPMENT.

BACKFILL SHALL NOT BE PLACED BEHIND RETAINING WALLS UNTIL CONCRETE HAS ATTAINED 100 PERCENT OF DESIGN STRENGTH.

BACKFILL SHALL NOT BE PLACED BEHIND BASEMENT WALLS UNTIL THE CONCRETE HAS ATTAINED 100 PERCENT OF DESIGN STRENGTH AND THE ELEVATED FLOOR FRAMING (LATERAL SUPPORT AT THE TOP OF THE WALL) IS COMPLETED, CONSTRUCTED, OR TEMPORARY BRACING BRACING OF THE WALL IS PROVIDED. DESIGN OF ANY TEMPORARY WALL BRACING IS NOT THE RESPONSIBILITY OF THE CONTRACTOR.

REMOVAL OF FORMS AND SHORING SHALL BE IN ACCORDANCE WITH ACI 347. WHERE CONCRETE MUST SUPPORT SUPERIMPOSED LOADS PRIOR TO ATTAINING THE SPECIFIED DESIGN STRENGTH, REINFORCE CONCRETE IN ACCORDANCE WITH ACI 347. REINFORCING SHALL NOT BE REMOVED SOONER THAN 28 DAYS FROM THE DATE OF POUR OR UNTIL CONCRETE HAS ATTAINED THE SPECIFIED DESIGN STRENGTH.

THE CONTRACTOR SHALL SUBMIT FOR PRIOR APPROVAL THE END OF POUR LOCATIONS FOR CONCRETE GRADE BEAMS, CONCRETE COLUMNS, AND CONCRETE BEAMS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERENCE TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA, INCLUDING THE FOLLOWING REQUIREMENTS FROM STANDARDS - 29 CFR, SECTION 1926.

A. THE STEEL ERECTION CONTRACTOR SHALL REPORT (REFER) THEY HAVE RECEIVED WRITTEN NOTIFICATION FROM THE CONTRACTOR THAT THE CONCRETE IN THE FOOTINGS, PIERS AND WALLS OR THE WORK IN THE GROUNDS PIERS AND WALLS HAS ATTAINED, ON THE BASIS OF IN-APPROPRIATE, ASTM STANDARD TEST METHOD OF FIELD-CURED SAMPLES, EITHER 75 PERCENT OF THE INTENDED MINIMUM COMPRESSIVE STRENGTH OR SUFFICIENT STRENGTH TO SUPPORT THE LOADS IMPOSED DURING STEEL ERECTION.

PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

B. ANCHOR RODS (AND FOR BOLTS) SHALL NOT BE REPAIRED, REPLACED OR FIELD-MODIFIED WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.

PRIOR TO ERECTION OF COLUMNS, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE STEEL ERECTOR IF THERE HAS BEEN ANY REPAIR, REPLACEMENT OF MODIFICATION OF THE ANCHOR RODS (ANCHOR BOLTS).

PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

GENERAL STRUCTURAL NOTES

C. NO MODIFICATION THAT AFFECTS THE STRENGTH OF A STEEL JOIST OR JOIST GIRDER SHALL BE MADE WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.

D. METAL DECKING, RIDGES AND OPENINGS SHALL NOT BE CUT UNTIL IMMEDIATELY PRIOR TO BEING PERMANENTLY FILLED WITH THE EQUIPMENT OR STRUCTURE, OR SHALL BE IMMEDIATELY COVERED.

PROTECTION: PROPER PRECAUTIONS SHALL BE TAKEN AT ALL TIMES TO PROTECT MEN, OLD AND PEDESTRIAN TRAFFIC FROM ANY DAMAGE OR INJURY WHICH MAY BE CAUSED EITHER DIRECTLY OR INDIRECTLY BY THE WORK INCLUDED ON THESE DRAWINGS. SUCH PRECAUTIONS SHALL INCLUDE THE ERECTION AND MAINTENANCE OF FENCES, BARRICADES, RAILINGS, GUARDS, SIGNS, CONFINED LIGHTS, AND OTHER PRECAUTIONS AS MAY BE REQUIRED, IF AT ANY TIME, IN THE OPINION OF THE OWNER OR THE OWNER'S REPRESENTATIVE, PROPER PRECAUTIONS ARE NOT BEING TAKEN TO SECURE THE PROTECTION, THE CONTRACTOR SHALL AT NO ADDITIONAL COST TO THE OWNER, INSTALL ANY ADDITIONAL SUCH ADDITIONAL PROTECTION AS MAY BE DIRECTED BY THE OWNER.

POLLUTION CONTROL: USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

TYPICAL DETAIL SHEETS:

THE S-701 SERIES SHEETS IN THESE DRAWINGS CONTAIN TYPICAL STRUCTURAL DETAILS FOR VARIOUS BUILDING MATERIALS. SOME OF THESE DETAILS MAY NOT BE PART OF THIS PROJECT.

DRAWINGS:

DO NOT SCALE DRAWINGS.

WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DETAILS NOTED "TYPICAL" APPLY TO ALL SIMILAR CONDITIONS, WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK SCHEMED ON THE PROJECT.

PHASED CONSTRUCTION:

THE DRAWINGS IN THIS PACKAGE ARE INCOMPLETE AND REPRESENT A PORTION OF THE TOTAL PROJECT. COORDINATE THE WORK OF THIS PACKAGE WITH PAST AND FUTURE DRAWING ISSUES AND PROVIDE UPDATED DRAWINGS TO ALL TRADES AS REQUIRED.

DRAWINGS STAMPED "NOT FOR CONSTRUCTION" ARE PRELIMINARY AND SUBJECT TO CHANGE.

USE THE MOST CURRENT SET OF DRAWINGS IN PREPARATION OF SUBMITTALS. ALL SUBMITTALS SHALL LIST THE DATE OF THE DRAWINGS USED TO PREPARE THE SUBMITTAL.

BECAUSE THIS IS A PHASED (FAST-TRACK) CONSTRUCTION PROJECT, THE CONTRACTOR MUST ANTICIPATE ADDITIONAL DRAWING REVISIONS AFTER EARLY WORK PACKAGES HAVE BEEN ISSUED. THESE REVISIONS WILL INCREASE THE CONSTRUCTION COST. THE CONTRACTOR SHALL INCLUDE THESE ANTICIPATED COSTS IN ANY BIDS OR PRICE GUARANTEES PROVIDED TO THE OWNER.

CAST-IN-PLACE CONCRETE:

ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-10.

ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.

NORMAL WEIGHT CONCRETE

A. FC' = 5000 PSI @ 28 DAYS - ALL EXPOSED EXTERIOR CONCRETE FLAT WORK AND RETAINING WALLS (SEE, SLABS, EQUIPMENT PADS, WALLS, ETC.)
EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F1 ACCORDING TO ACI 318 TABLE 4.2.1
B. FC' = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (EX. FOOTINGS, PEDESTALS, TIE BEAMS, GRADE BEAMS, RETAINING WALLS, ETC.)
C. FC' = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NOTED OTHERWISE.
D. FC' = 3000 PSI @ 28 DAYS - ALL CONCRETE FILL OVER METAL DECK, UNLESS NOTED OTHERWISE.
E. FC' = 4000 PSI @ 28 DAYS - ALL EXTERIOR CONCRETE SLABS, AND ELEVATED SLABS.
F. FC' = 5000 PSI @ 28 DAYS - ALL ELEVATED CAST-IN-PLACE SLABS.
G. FC' = 4000 PSI @ 28 DAYS - ALL SLABS ON GRADE AND ELEVATED SLABS TO RECEIVE POLISHED CONCRETE FINISH.

COLD WEATHER CONCRETING: PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH CAUSED BY FROST PRIOR TO AND DURING LOW TEMPERATURES. COMPLY WITH ACI 306.1.

HOT WEATHER CONCRETING: WHEN HOT WEATHER CONDITIONS EXIST THAT WOULD IMPAIR THE QUALITY AND STRENGTH OF THE CONCRETE, REDUCE DELIVERY TIME OF READY MIX CONCRETE, LOWER THE TEMPERATURE OF MATERIALS, OR ADD RETARDER TO ENSURE THAT THE CONCRETE IS PLASTIC, RESTARTING WITH WATER IS NOT ALLOWED. COMPLY WITH ACI 305.

THE CONTRACTOR SHALL NOT CAST CONCRETE INTO WALLS OR RETAINING WALLS AGAINST EXCAVATED VERTICAL SOIL SURFACES.

THE CONTRACTOR IS ALLOWED TO CAST FOUNDATIONS AGAINST EXCAVATED SOIL SURFACES, PROVIDED THE FOLLOWING IS ADHERED TO:

A. THE SIDE SLOPES OF THE EXCAVATION SHALL BE ABLE TO MAINTAIN VERTICAL SLOPE WITHOUT SOIL SLOUGHAGE.
B. THE BOTTOM WIDTH OF THE EXCAVATION SHALL BE ONE INCH WIDER MINIMUM ON EACH SIDE THAN THE SPECIFIED FOOTING WIDTH.
C. THE SIDE WALLS OF THE EXCAVATION SHALL BE BATTERED A MINIMUM OF ONE INCH HORIZONTAL TO TWELVE INCHES VERTICAL.
D. IF SANDY OR LOOSE MATERIALS ARE ENCOUNTERED, THE FOOTING MUST BE FORMED.
E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY SOIL SLOUGHAGE FROM THE KEY CONCRETE DURING THE CASTING OPERATION.
F. THE CONTRACTOR AGREES TO REMOVE AND REPOUR ANY PORTIONS WHERE THE ABOVE CONDITIONS ARE NOT MET.

EXPOSED SITE WALLS, RETAINING WALLS, AND STEM WALLS GREATER THAN EIGHTEEN INCHES SHALL HAVE CONTROL JOINTS INSTALLED AT THE FOLLOWING MINIMUM SPACING:

12'-0" ON CENTER FOR WALLS 8'-0" MINIMUM HEIGHT
15'-0" ON CENTER FOR WALLS 10-12' MINIMUM HEIGHT
20'-0" ON CENTER FOR WALLS GREATER THAN 10'-0" IN HEIGHT

ALL CONCRETE EXPOSED TO GROUND SHALL BE MANUFACTURED WITH PORTLAND CEMENT TYPE II OR TYPE V.

SEE SHEET S-701 FOR TYPICAL CONCRETE DETAILS.

DRILLED PIERS:

COMPLY WITH PROVISIONS OF AMERICAN CONCRETE INSTITUTE (ACI) "STANDARD SPECIFICATION FOR CONSTRUCTION OF DRILLED PIERS" (ACI 336.1).

DESIGN CONCRETE MIX IN ACCORDANCE WITH CHAPTER 3 OF ACI 301 TO PRODUCE CONCRETE FOR DRILLED PIERS WITH MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.

CONCRETE MIX SHALL HAVE ADVANTAGEOUS AT POINT OF PLACEMENT HAVING 4% TO 6% AIR CONTENT. A WATER-REDUCING ADMIXTURE, CONFORMING TO ASTM C494, TYPE A, AND A SLUMP DURING PLACEMENT BETWEEN 4" AND 6".

REINFORCING STEEL, AND DOWELS SHALL CONFORM TO ASTM A615, GRADE 60. FABRICATE AND ERECT REINFORCING CAGES IN SHAFTS AS ONE CONTINUOUS UNIT UNLESS WHEN NEW REINFORCING STEEL PLACE REINFORCEMENT ACCURATELY AND SYMMETRically ABOUT AXIS OF CONTINUOUS DRILLED PIER WITH MINIMUM CLEARANCE OF 3" FROM SIDE OF SHAFT.

EXCAVATE HOLES FOR DRILLED PIERS TO DEPTHS AS SHOWN ON DRAWINGS. DRILLED PIER DESIGN DIMENSIONS SHOWN ARE MINIMUMS. VERIFY BY INSPECTION AND MEASUREMENT THAT THE EXCAVATIONS ARE OPEN TO DESIGN DEPTH FOR EACH DRILLED PIER. TWO ADDITIONAL PHASES SHALL BE MADE TO CLEAN LOOSE MATERIAL AT BOTTOM OF EXCAVATIONS.

THE OWNER SHALL EMPLOY THE SERVICES OF A REGISTERED, LICENSED GEOTECHNICAL ENGINEER UNDER WHOSE SUPERVISION FULL-TIME INSPECTION OF THE DRILLING AND CASTING OF THE PIERS WILL BE PERFORMED.

THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST 24 HOURS PRIOR TO THE TIME EXCAVATIONS WILL BE DRILLED.

ALL DRILLED PIERS WITH CONCRETE IMMEDIATELY AFTER INSPECTION AND APPROVAL BY GEOTECHNICAL ENGINEER. NO EXCAVATION SHALL STAND OPEN FOR MORE THAN 6 HOURS.

CONCRETE SHALL BE PLACED THROUGH A HOPPER CENTERED IN THE REINFORCING CAGE SO THAT CONCRETE DOES NOT HIT REINFORCING OR SIDES OF HOLE. LET CONCRETE FREE-FALL FOR ENTIRE DEPTH OF SHAFT. PLACE CONCRETE CONTINUOUSLY AND IN A MANNER TO FLOW WITHOUT SEGREGATING. PROVIDE MECHANICAL VIBRATION FOR CONSOLIDATION OF TOPS OF EACH SHAFT. PLACE CONCRETE IN THE DRY UNLESS PLACING UNDER WATER IS ACCEPTABLE TO ENGINEER OF RECORD.

STOP CONCRETE PLACEMENT AT OUT-OF-ELEVATION WHEN NOTICEABLE, AND APPLY A SCORED, ROUGH FINISH.

ALL DRILLED PIERS SHALL HAVE A SLEEVE EXTENDING THROUGH THE SURFICIAL MATERIALS. THE SLEEVE SHALL EXTEND AT LEAST THREE (3.0) FEET BELOW EXISTING GRADE AND THERE SHALL BE A MINIMUM 1 INCH WIDE SPACE BETWEEN THE SLEEVE AND THE GROUND OUTSIDE THE SLEEVE. THE VOID SPACE SHALL BE BACKFILLED TIGHT WITH BENTONITE OR METHOD TO BLOCK FROM THE NATIVE CLAY STONE.

REINFORCING STEEL:

ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-08), AND DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315-99).

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60, EXCEPT STIRRUPS, TIES AND INDICATED HOOPS ARE BARS, WHICH SHALL CONFORM TO ASTM A615 GRADE 40.

ALL WELDED WIRE FABRIC SHALL BE DEFORMED AND SHALL CONFORM TO ASTM A185. PROVIDE IN FLAT SHEETS ONLY.

TENSION AND COMPRESSION LAPS IN REINFORCING BARS SHALL CONFORM TO THE LAP SPLICE SCHEDULE ON SHEET S-401 AND BE IN ACCORDANCE WITH ACI 318, CHAPTER 12, UNLESS NOTED OTHERWISE.

ALL HORIZONTAL REINFORCEMENT IN FOOTINGS, WALLS AND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE BENT CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP 30 BAR DIAMETERS (24" MINIMUM).

CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
B. CONCRETE CAST AGAINST FORM BUT EXPOSED TO EARTH OR WEATHER:
1. #6 BAR LARGER THAN NO. 5: 2"
2. #5 BAR NO. 5 OR SMALLER: 1 1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR NOT IN CONTACT WITH GROUND:
1. COLUMNS, GIRDERS AND BEAMS: 1 1/2"
2. STRUCTURAL SLABS, WALLS AND JOISTS (NO. 11 AND SMALLER): 3/4"
D. SLAB ON GRADE: 1 1/2" FROM TOP OF SLAB

GENERAL STRUCTURAL NOTES

FORM TIES SHALL BE EITHER OF THE THREADED OR WAIN-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.

REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS.

BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 318-08. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS.

DWELL WITH 22 GAUGE SAND PLATES OR PRECAST BLOCKS SHALL BE PROVIDED FOR ALL REINFORCING OF CONCRETE IN CONTACT WITH GROUND.

DECK CHAIRS SHALL BE PROVIDED FOR ALL WELDED WIRE FABRIC IN SLABS OVER METAL DECK.

PRE-INSTALLED ANCHORS:

THE STRUCTURAL DESIGNS BASED ON THE POST INSTALLED ANCHORING SYSTEMS NOTED BELOW. SINCE ANCHOR CAPACITIES VARY BY MANUFACTURER, THE CONTRACTOR SHALL USE ONLY THE SYSTEMS NOTED BELOW UNLESS ALTERNATE IS APPROVED BY THE ENGINEER OF RECORD. ALTERNATE ANCHORING SYSTEMS MAY REQUIRE REDESIGN TO ADHERE AND/OR QUANTITIES, SPACING, AND EMBED DEPTHS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL CONSTRUCTION AND REDESIGN COSTS ASSOCIATED WITH THE ALTERNATE ANCHORING SYSTEM.

ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO CONCRETE SHALL BE HILTI HIT-RE 500 (IR-00) OR SIKA EPOXY ADHESIVE. ANCHORING SYSTEM INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO GROUT FILLED MASONRY SHALL BE HILTI HY-70 ADHESIVE. ANCHORING SYSTEM INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

ALL ADHESIVE (EPOXY) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO HOLLOW MASONRY AND/OR SPECIAL SHALL BE HILTI HY-70 ADHESIVE. ANCHORING SYSTEM INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

ANCHOR LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHORS WITH ADDITIONAL LENGTH TO FACILITATE THE REQUIRED CONNECTION.

SUBMIT ALL PROPOSED ANCHORING SYSTEMS INCLUDING ICC-ES REPORTS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION. THE ICC-ES FORM SHALL MEET THE REQUIREMENTS OF THE IBC REFERENCED IN THESE NOTES.

STRUCTURAL AND MISCELLANEOUS STEEL:

ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".

ALL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, GRADE 50 UNLESS NOTED OTHERWISE.

ALL MISCELLANEOUS STEEL MEMBERS, SUCH AS CHANNELS, ANGLES, FLAT BARS, AND PLATES SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.

ALL RECTANGULAR AND SQUARE STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B, Fy = 46 KSI OR ASTM A501, GRADE B, Fy = 36 KSI.

ALL ROUND STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B, Fy = 42 KSI OR ASTM A53, GRADE B, Fy = 35 KSI.

ALL STRUCTURAL PIPE SHALL CONFORM TO ASTM A53 TYPE E OR S, GRADE B, Fy = 35 KSI.

BOLTS SHALL CONFORM TO ASTM A325 TENSION CONTROL BOLTS UNLESS NOTED OTHERWISE. WHEN SIZES ARE SHOWN ON THE DRAWINGS, WHERE CLEARANCE WITHIN A CONNECTION DOES NOT PERMIT THE USE OF TENSION CONTROL BOLTS, STANDARD ASTM A325 BOLTS SHALL BE USED AND INSPECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

ALL BOLTS SHALL BE INSTALLED IN A SNUG TIGHT CONDITION EXCEPT AT MOMENT CONNECTIONS, BRACED FRAME CONNECTIONS AND AT CONNECTIONS DETAILED WITH A SERVICE BOLTS. AT THESE LOCATIONS, THE BOLTS SHALL BE TIGHTENED SO AS TO ENSURE THE SPACE OF THE BOLT.

ANCHOR BOLTS REQUIRED IN CONCRETE SHALL BE ASTM F1554 GRADE 36 THREADED RODS WITH DOUBLE NUTS. PROVIDE PLATE WASHERS BETWEEN NUTS AND BASE PLATE SURFACES. ANCHOR BOLTS LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHOR BOLTS WITH ADDITIONAL BOLT LENGTH TO FACILITATE THE REQUIRED CONNECTION.

ANCHOR BOLTS FOR WASHERS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 14-2 OF AISC 360, AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE AWS STRUCTURAL WELDING CODE.

ALL BOLT HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAGNETIC DRILL. FLAME CUTTING OF HOLES OR ENLARGING OF MISMATCHED HOLES WILL NOT BE ALLOWED.

HEADED CONCRETE ANCHORS AND SHEAR CONNECTORS SHALL BE MADE FROM STEEL CONFORMING TO ASTM A108 AND MEET THE MECHANICAL PROPERTIES OF TYPE B AS REQUIRED BY CHAPTER 7 OF AWS D1.1 "STRUCTURAL WELDING CODE-STEEL" LATEST EDITION. STRUCTURAL STEEL TO RECEIVE SHEAR CONNECTORS SHALL BE FREE OF FAULT WELDING PREQUALIFICATION REQUIRED.

SEE SHEET S-701 FOR TYPICAL STEEL DETAILS.

STEEL JOISTS:

STEEL JOISTS SHALL BE MANUFACTURED BY A MEMBER OF SJI.

STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS.

NO CONSTRUCTION LOADS OF ANY KIND SHALL BE PLACED ON UNBRACED JOISTS.

WHERE COLUMNS ARE NOT FRAMED EQUAL TO TWO DIRECTIONS WITH STRUCTURAL STEEL MEMBERS, JOISTS AT OR CLOSEST TO COLUMN LINES SHALL BE FULLY BOLTED TO ADD LATERAL STABILITY DURING CONSTRUCTION.

PROVIDE WELDING IN ACCORDANCE WITH THE LATEST EDITION OF THE SJI STANDARD SPECIFICATIONS AND OSHA REQUIREMENTS.

THE STRUCTURAL DRAWINGS ARE NOT FOUND ALONG DOCUMENTS. THE CONTRACTOR SHALL COORDINATE THE LOCATIONS AND INSERTION OF ALL MECHANICAL, PLUMBING, ELECTRICAL AND OTHER EQUIPMENT WITH THE APPLICABLE DRAWINGS. THE JOIST SUPPLIER SHALL ACCOUNT FOR THE LOADS IN THEIR DESIGN.

THE STEEL JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS SUPPORTING MECHANICAL UNITS INDICATED AS SP JOISTS ON THE DRAWINGS. FOR UNMECHANICAL UNIT WEIGHTS SHOWN, USE 30 PSF DEAD LOAD AND 35 PSF LIVE LOAD (NONREDUCED) UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ACTUAL MECHANICAL LOADS, NOTIFY STEEL JOIST MANUFACTURER OF ANY DISCREPANCIES.

JOIST DEFLECTIONS ARE TO BE DESIGNED PER SJI REQUIREMENTS AND SHALL NOT EXCEED THAN THE FOLLOWING LIMITS FOR LIVE LOAD AND LIVE FOR DEAD LOAD AND LIVE LOAD WHERE CEILINGS ARE SUPPORTED:
L/360 FOR LIVE LOAD AND L/240 FOR DEAD LOAD AND LIVE LOAD WHERE SUSPENDED CEILINGS ARE SUPPORTED OR WHERE CEILINGS DO NOT EXIST

STEEL JOISTS SHALL BE DESIGNED FOR A NET UNIFORM UPLIFT LOAD OF 15 PSF UNLESS NOTED OTHERWISE.

THE DEAD LOAD OF MISCELLANEOUS ROOF TOP ITEMS, INCLUDING SCREEN WALLS, SUSPENDED JOISTS, SOLAR PHOTOVOLTAIC SYSTEM, ETC. SHALL BE ACCOUNTED FOR IN THE DESIGN OF THE STEEL ROOF JOISTS. THE CONTRACTOR SHALL COORDINATE THE MISCELLANEOUS LOADS WITH THE STEEL JOIST MANUFACTURER.

STEEL DECK:

ALL STEEL DECK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE STEEL DECK INSTITUTE SPECIFICATIONS.

SEE PLANS FOR STEEL DECK TYPE, GAGE, FINISH AND CONNECTIONS.

PROVIDE A MINIMUM OF 1 1/2" BEARING FOR ALL STEEL DECK.

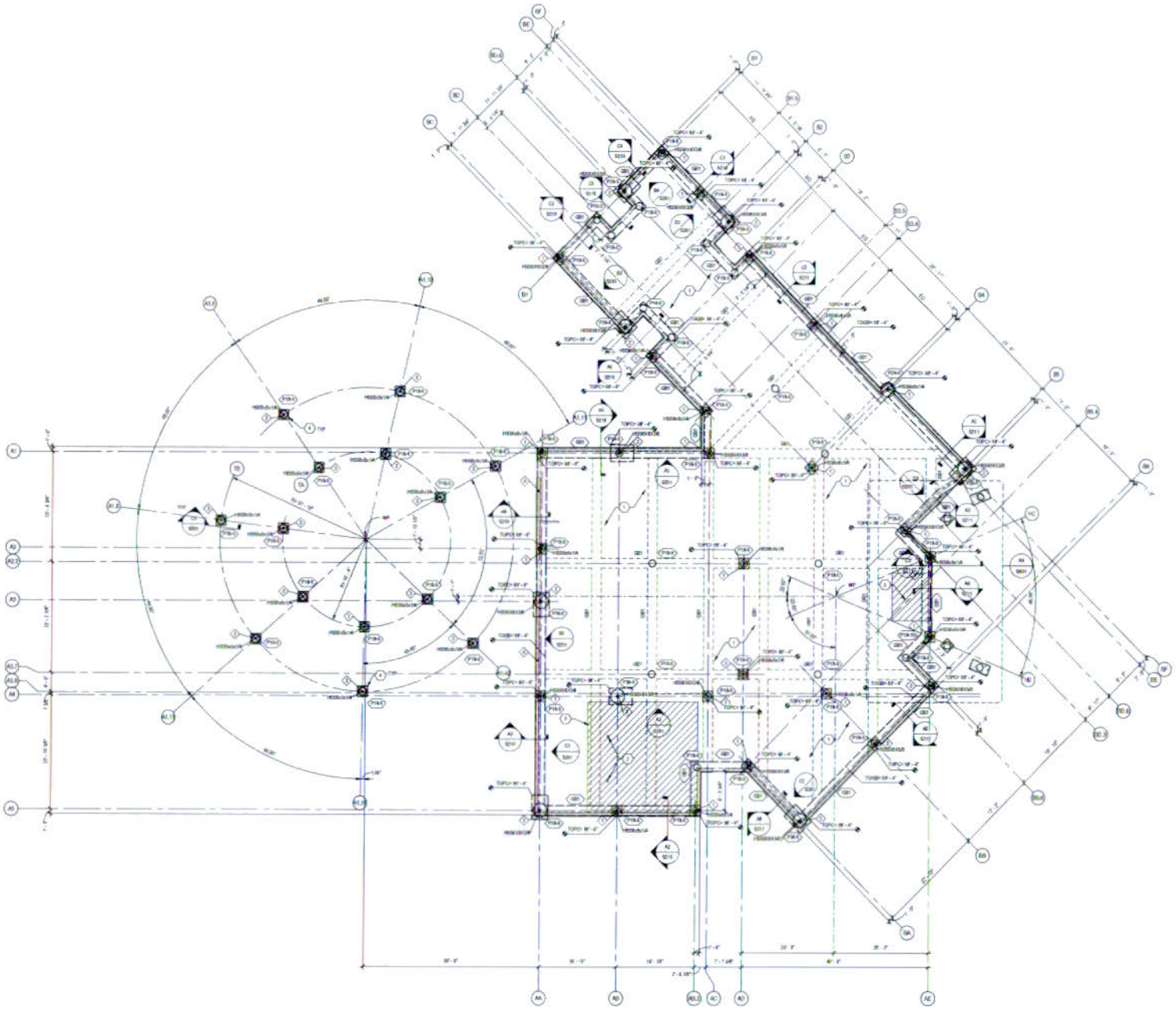
ALL SPLICES AND LAPS SHALL BE A MINIMUM OF 2" LENGTH AND SHALL BE LOCATED DIRECTLY ABOVE SUPPORTS.

ALL DECKING SHALL BE CONTINUOUS OVER TWO OR MORE SPANS.

POWDER DRIVEN FASTENERS SHALL BE EQUIVALENT TO HILTI X-ENP-19 FOR STEEL BASE MATERIAL EQUAL TO OR THICKER OR FOR STEEL BASE MATERIAL EQUAL TO OR THICKER

MASONRY:

ALL MASONRY UNITS SHALL COMPLY WITH ASTM C90 WITH A COM



A6 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100% CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. NOTE TO CONTRACTOR: ENLARGED SLAB BLOCKOUTS MAY BE REQUIRED AT FRAME COLUMNS FOR BRACED FRAME GUSSET PLATE CLEARANCE.
3. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE CONCRETE WALLS, BRACED FRAMES AND MOMENT FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICE.
4. DIMENSIONS ARE TO THE FACE OF CONCRETE UNLESS NOTED OTHERWISE.
5. PROVIDE SLAB JOINTS AT 10'-0" ON CENTER MAXIMUM. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED A 2:1 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS, PROVIDE SAW-CUT DIAGONAL TO THE RE-ENTRANT CORNER. SEE S101 FOR TYPICAL SLAB JOINTS.
6. TOP OF FOOTINGS ELEVATION = SEE PLAN
7. SEE SHEET S201 FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
8. SEE SHEET S601 FOR SCHEDULES AND DETAILS.
9. SEE S001 FOR PER SCHEDULE

SHEET KEYNOTE

1. 8" CONCRETE SLAB REINFORCED WITH #5 @12" OC EACH WAY TOP & BOTTOM OVER 8" VOID FORM. FINISH FLOOR ELEVATION - 18'-0" = MSL ELEVATION 1,062.
2. FLOOR DRAIN. SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
3. SLAB DEPRESSION. SEE ARCH.
4. TOP OF RIBS CAP = 2'-0" BELOW FINISHED GRADE

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ENGINEER

Revision Schedule

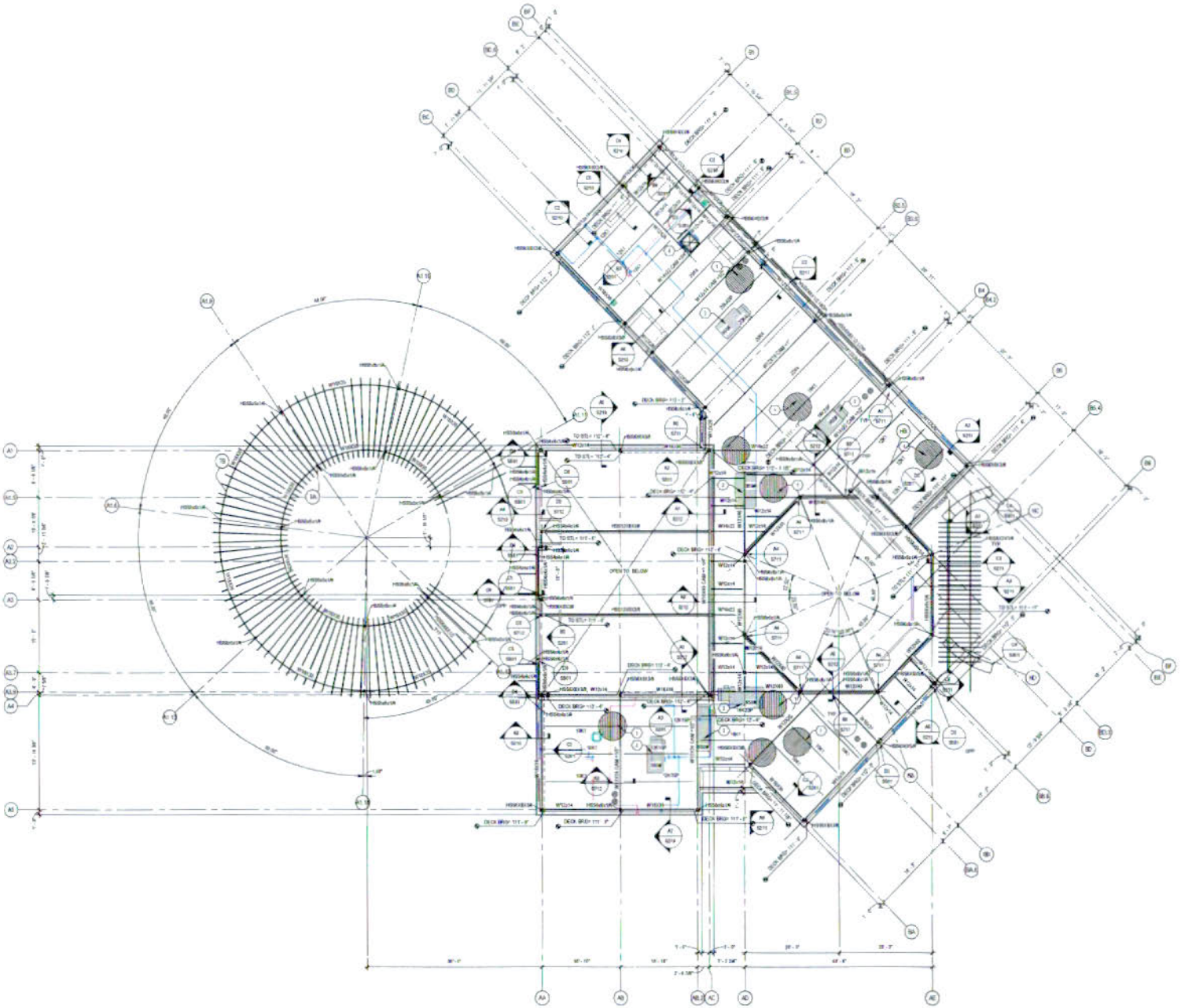
Revision Number	Revision Date	Revision Description

PROJECT NUMBER: 1 | DRAWN BY: Author | REVIEWED BY: Designer

FILE PATH: C:\Users\Chaves\Documents\WORK\01 Tonalea Sheet 2017_Project.rvt

Sheet Title: FOUNDATION PLAN

Sheet Number: S101



A6 LOW ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100% CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE CONCRETE WALLS, BRACED FRAMES AND MOMENT FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
3. DIMENSIONS ARE TO THE FACE OF STUD UNLESS NOTED OTHERWISE.
4. BEAMS AND JOIST ARE SPACED AT EQUAL SPACING ON CENTER UNLESS NOTED OTHERWISE.
5. PROVIDE JOIST BRIDGING PER THE LATEST EDITION OF THE SJI SPECIFICATIONS AND OSHA REQUIREMENTS.
6. STEEL JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS AND ROOF JOIST GIRDERS SUPPORTING MECHANICAL UNITS FOR 1.5x MECHANICAL UNIT WEIGHTS SHOWN. USE 20 PSF DEAD LOAD AND 20 PSF LIVE LOAD UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ACTUAL MECHANICAL LOADS. NOTIFY STEEL JOIST MANUFACTURER OF ANY DISCREPANCIES.
7. SEE SHEET S211, S212, S213 AND S214 FOR TYPICAL FRAMING SECTIONS AND DETAILS.
8. SEE SHEET S901 FOR SCHEDULES AND DETAILS.
9. ALL PERIMETER LIGHT GAGE STUDS SHALL BE 600S162-43 @ 16" O.C. UNO. SEE LIGHT GAGE LINTEL SCHEDULE FOR STUD SIZES AROUND OPENINGS.

SHEET KEYNOTE

1. 1 1/2", TYPE B, 22 GAGE PAINTED METAL DECK WITH NESTABLE RIBS LAPS. ATTACH DECK TO SUPPORTS PERPENDICULAR TO RIBS WITH 1-5/8" DIA PUDDLE WELD (SUPER MY WEB SHEET AND TO SUPPORTS PARALLEL TO RIBS WITH 5/8" DIA PUDDLE WELD @ 12" O.C. ATTACH SIDELAPS WITH BUTTON PUNCHES @ 12" O.C.
2. MECHANICAL UNIT. COORDINATE DUCT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
3. HSS6x6x1/4
4. ROOF HATCH. SEE TYP ROOF OPENING DETAILS. SEE ARCH DRAWINGS FOR EXACT SIZE & LOCATION
5. STUDS BLOCKING

Chavez-Grieves Consulting Engineers, Inc.

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ENGINEER

Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN BY | REVIEWED BY
Author | Designer

Sheet Title: LOW ROOF FRAMING PLAN

Sheet Number: S111

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100% CONSTRUCTION DOCUMENTS

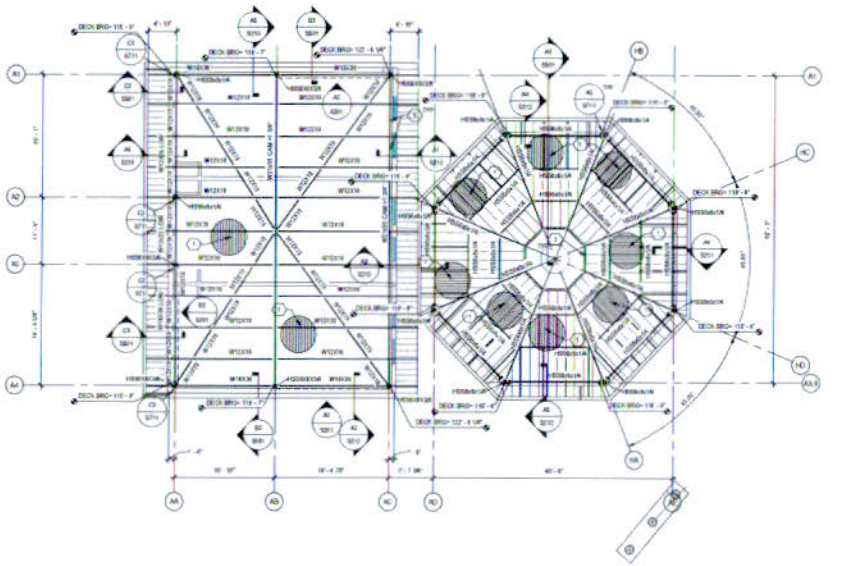
JANUARY 16, 2017

GENERAL SHEET NOTES

1. NONE SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. NOTE TO DIRECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE CONCRETE WALLS, BRACED FRAMES AND MOMENT FRAMES. THE DIRECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
3. DIMENSIONS ARE TO THE FACE OF STUD UNLESS NOTED OTHERWISE.
4. BEAMS AND JOIST ARE SPACED AT EQUAL SPACING ON CENTER UNLESS NOTED OTHERWISE.
5. PROVIDE JOIST BRIDGING PER THE 42ND EDITION OF THE SJI SPECIFICATIONS AND OSHA REQUIREMENTS.
6. STEEL JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS AND ROOF JOIST GIRDERS SUPPORTING MECHANICAL UNITS FOR 1.5x MECHANICAL UNIT WEIGHTS SHOWN. USE 15 PSF DEAD LOAD AND 20 PSF LIVE LOAD UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ACTUAL MECHANICAL LOADS. NOTIFY STEEL JOIST MANUFACTURER OF ANY DISCREPANCIES.
7. SEE SHEET S1.1, S1.2, S1.3 AND S1.4 FOR TYPICAL FRAMING SECTIONS AND DETAILS.
8. SEE SHEET S0.1 FOR SCHEDULES AND DETAILS.
9. ALL PERIMETER LIGHT GAGE STUDS SHALL BE 600S162-43 @ 16" OC UNO. SEE LIGHT GAGE LINTEL SCHEDULE FOR STUD SIZES AROUND OPENINGS.

SHEET KEYNOTE

1. 1 1/2" TYPE B 22 GAGE PAINTED METAL DECK WITH NESTABLE SIDELAPS. ATTACH DECK TO SUPPORTS PERPENDICULAR TO RIBS WITH 1-5/8" DIA PUDDLE WELDS PER 4/S0.0. SHEET AND TO SUPPORTS PARALLEL TO RIBS WITH 5/8" DIA PUDDLE WELD @ 12" O.C. ATTACH SIDELAPS WITH BUTTON PUNCHES @ 12" OC.
2. MECHANICAL UNIT. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
3. HSS6x6x1/4.
4. ROOF HATCH - SEE TYP ROOF OPENING DETAILS, SEE ARCH & DWGS FOR EXACT SIZES & LOCATION.
5. W10x15 BLOCKING



A4 HIGH ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

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Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER	DRAWN BY	PROJ. MGR
1	Author	Designer

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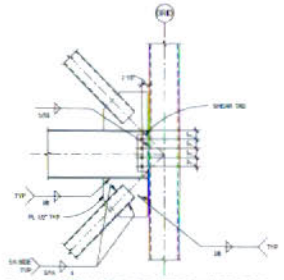
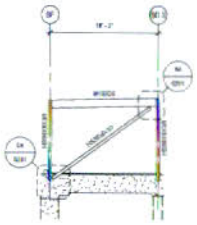
Sheet No.
HIGH ROOF FRAMING PLAN

Sheet Number
S121

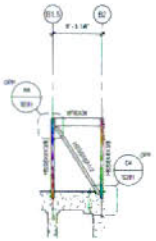
Designation 01



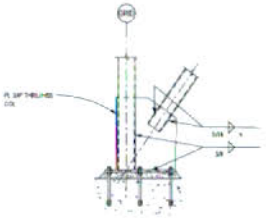
D4 HSS COLUMN (BRACE ON TOP/BOT)
SCALE 3/4" = 1'-0"



D3 BRACED FRAME ELEVATION
SCALE 1/8" = 1'-0"



D2 BRACED FRAME ELEVATION
SCALE 1/8" = 1'-0"



C4 BRACED FRAME CONNECTION
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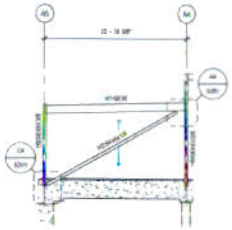
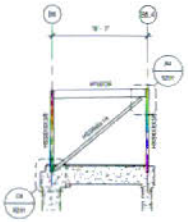
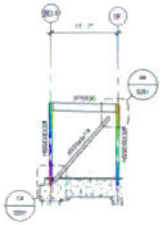


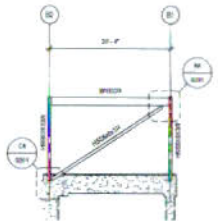
C3 BRACED FRAME ELEVATION
SCALE 1/8" = 1'-0"



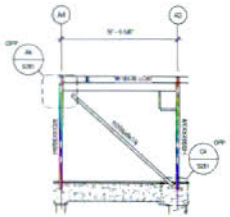
C2 BRACED FRAME ELEVATION
SCALE 1/8" = 1'-0"



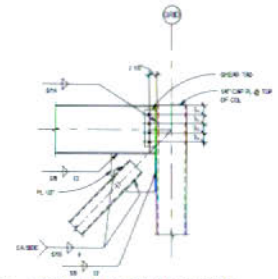
B4 BRACED FRAME ELEVATION
SCALE 1/8" = 1'-0"



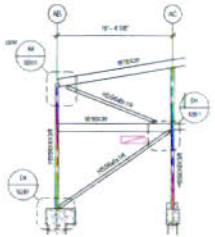
B3 BRACED FRAME ELEVATION
SCALE 1/8" = 1'-0"



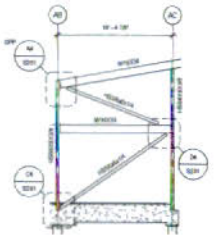
B2 BRACED FRAME ELEVATION
SCALE 1/8" = 1'-0"



A4 HSS COLUMN (BRACE ON BOT)
SCALE 3/4" = 1'-0"



A3 BRACED FRAME ELEVATION
SCALE 1/8" = 1'-0"



A2 BRACED FRAME ELEVATION
SCALE 1/8" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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JANUARY 16, 2017

Chavez-Grieves Consulting Engineers Inc.

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ENGINEER

Revision Schedule		
Revision Number	Revision Date	Revision Description

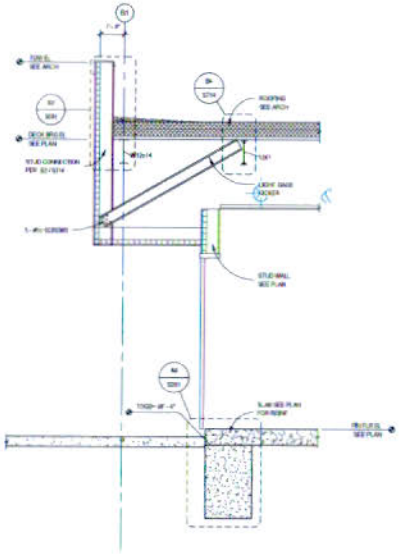
PROJECT NUMBER: 4 | DRAWN BY: Author | REVIEWED BY: Designer

SHEET FILE: C:\Users\Chaves\Documents\MBCA\S201 Tonalea Sheet 2015_Rhapsody.rvt

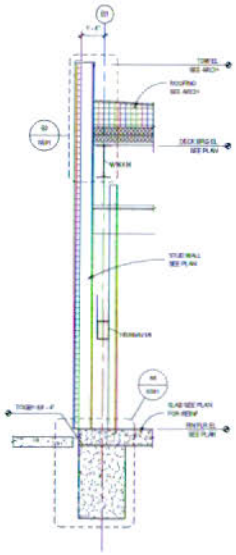
Sheet Title: BRACED FRAME ELEVATIONS

Sheet Number: S201

Sequence: 01



C5 WALL SECTION
SCALE 1/2" = 1'-0"



C4 WALL SECTION
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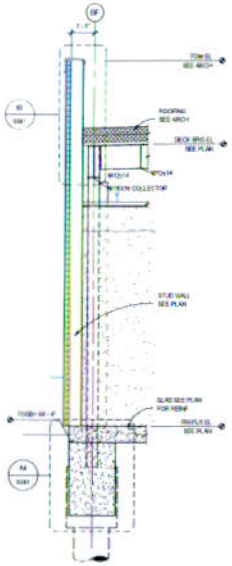

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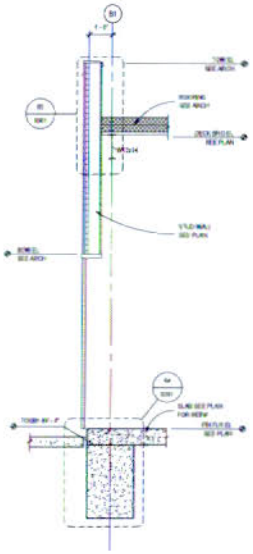
SCALE 1/2" = 1'-0"



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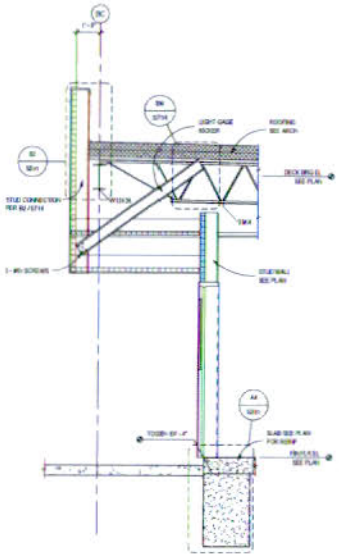
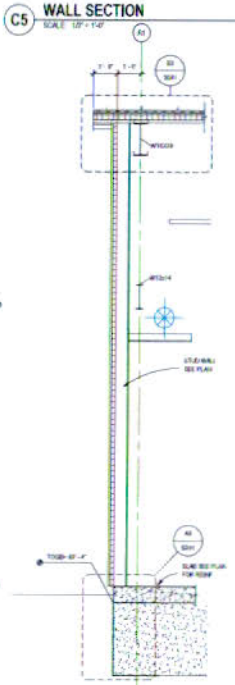
SCALE 1/2" = 1'-0"



A6 WALL SECTION
SCALE 1/2" = 1'-0"



A5 WALL SECTION
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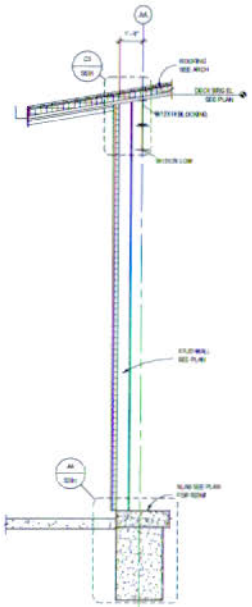

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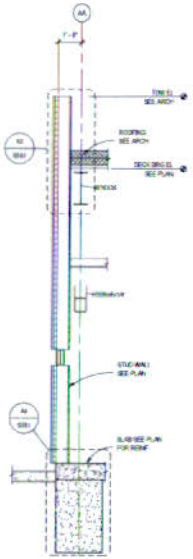

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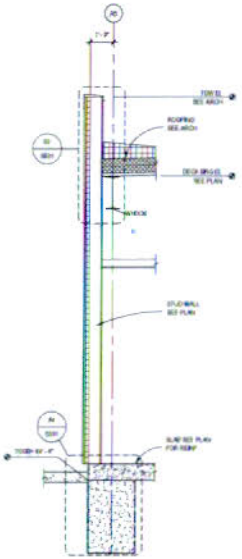

A2 WALL SECTION
SCALE 1/2" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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JANUARY 16, 2017

Chavez-Grieves Consulting Engineers, Inc.

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ENGINEER

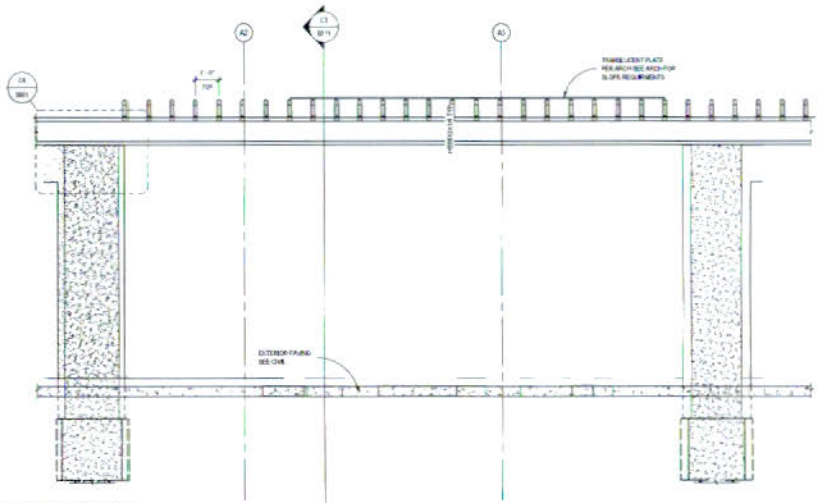
Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN BY | PROJ MGR

Author | Designer

Sheet Title: WALL SECTIONS

Sheet Number: S210



C6 WALL SECTION
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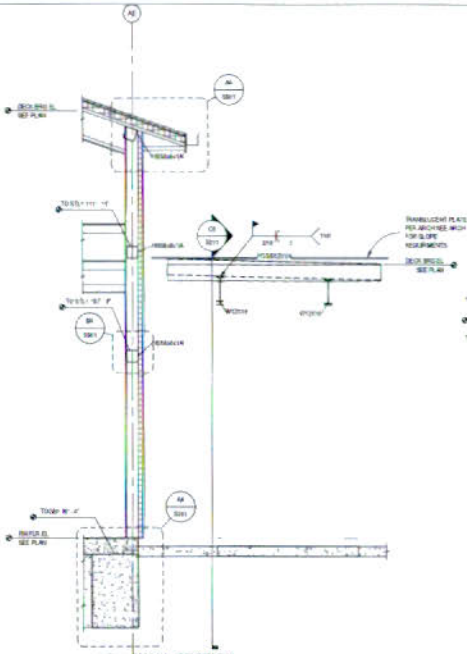

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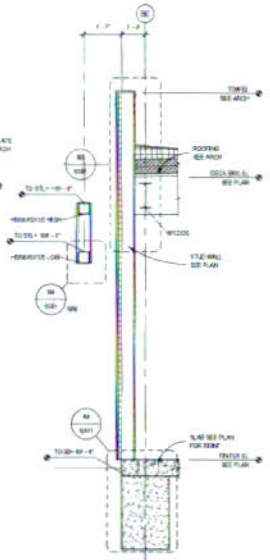

C2 WALL SECTION
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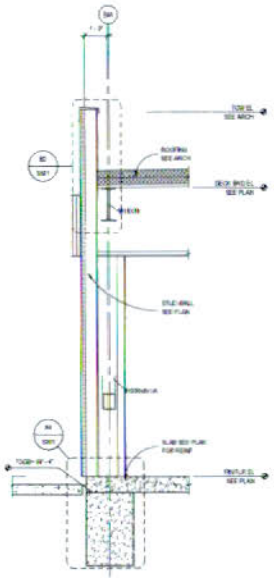

A6 WALL SECTION
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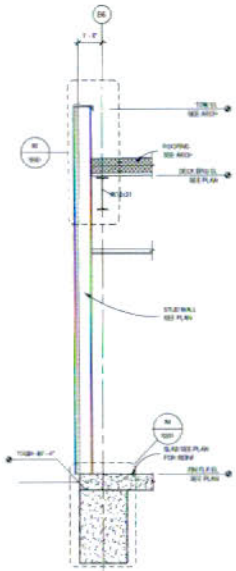

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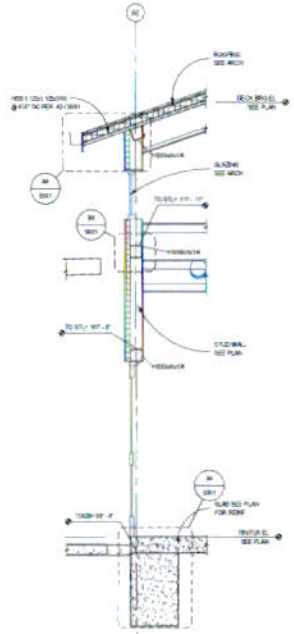

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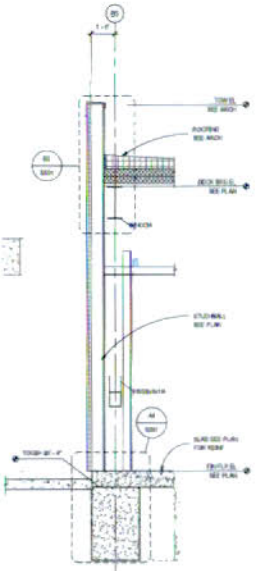

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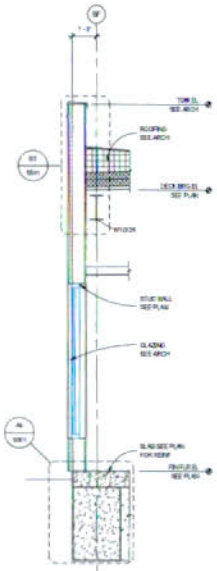

A2 WALL SECTION
SCALE 1/8" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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JANUARY 16, 2017

Chavez-Grieves consulting engineers, inc.

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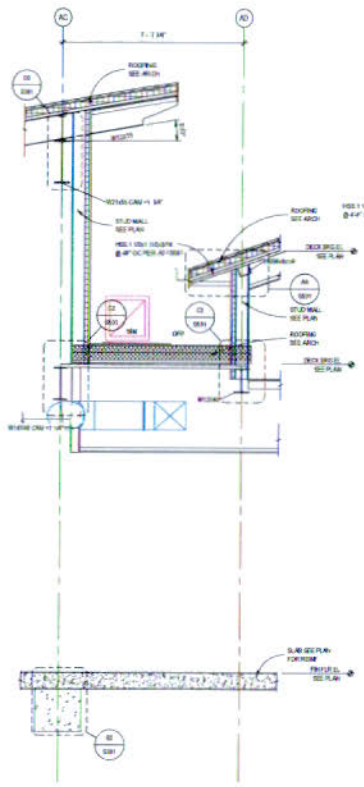
ENGINEER

Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN BY | CHECKED BY
Author | Designer

Sheet Title: WALL SECTIONS

Sheet Number: S211



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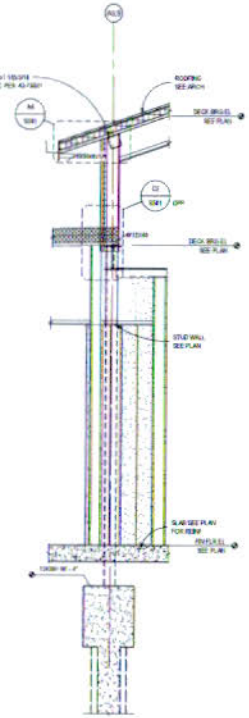

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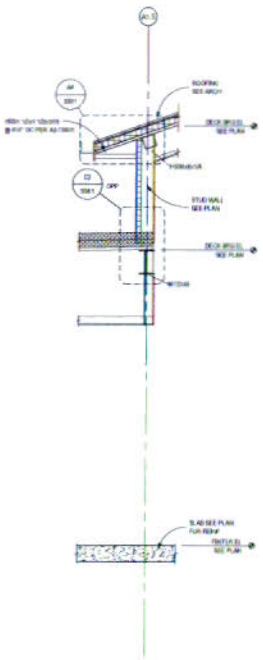

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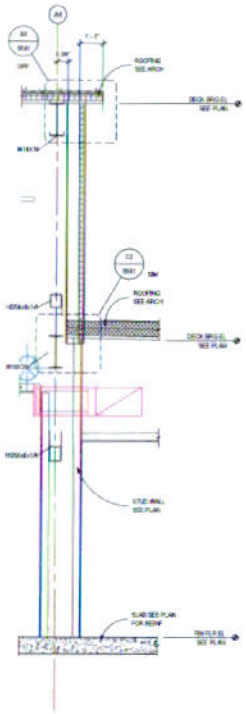
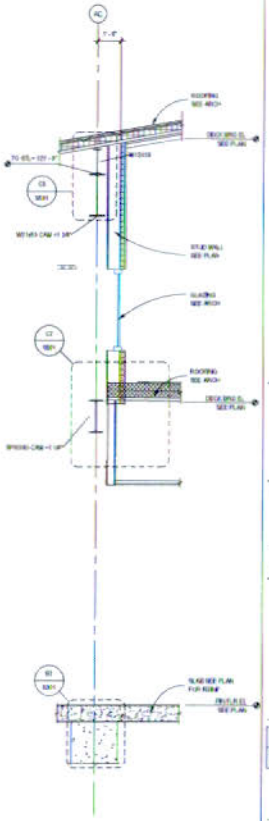


A3 WALL SECTION



A1 WALL SECTION

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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JANUARY 16, 2017

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4535 Montbel Place NE, Albuquerque, New Mexico 87107

ENGINEER

Revision Schedule		
Revision Number	Revision Date	Revision Description

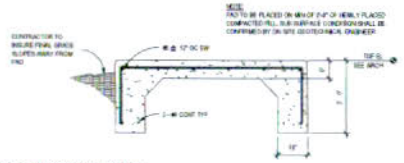
PROJECT NUMBER | DRAWN BY | PROJ. MGR

SHEET TITLE: WALL SECTIONS

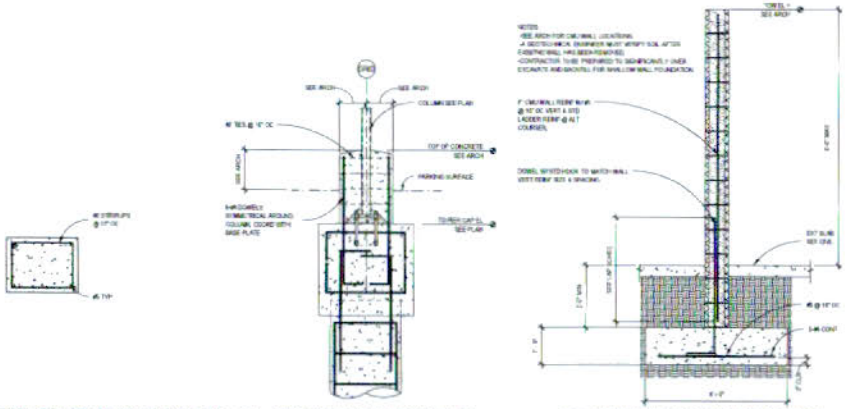
Sheet Number

S212

Sequence #



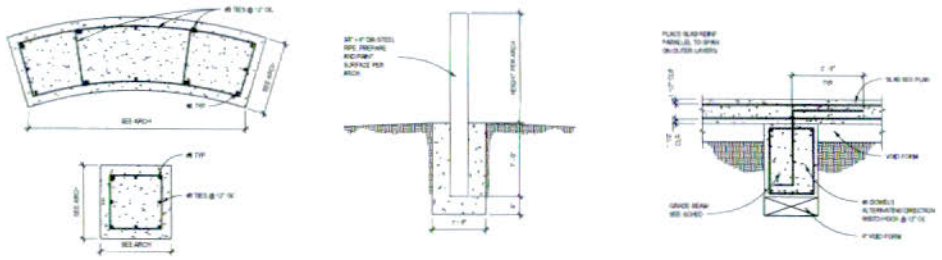
E3 PROPANE TANK FOUNDATION
SCALE: 3/4" = 1'-0"



C4 SECTION THRU CONCRETE BEAM @ ENTRY
SCALE: 3/4" = 1'-0"

C3 SECTION AT TRELLIS COLUMN
SCALE: 3/4" = 1'-0"

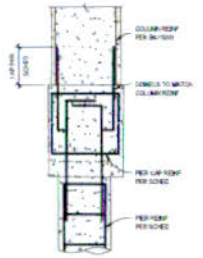
C2 DUMPSTER ENCLOSURE SECTION
SCALE: 3/4" = 1'-0"



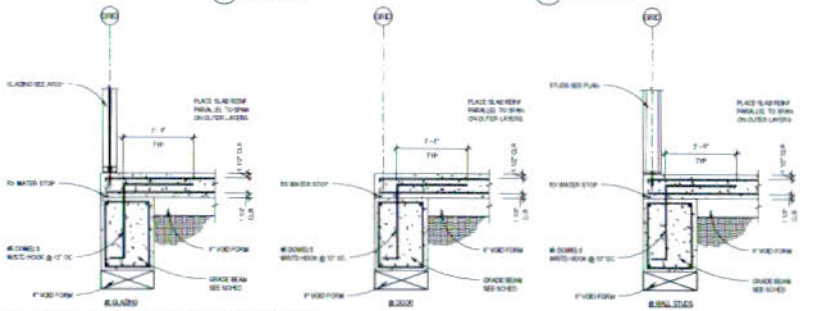
B4 CONCRETE COLUMN REINFORCEMENT
SCALE: 3/4" = 1'-0"

B3 PIPE BOLLARD
SCALE: 3/4" = 1'-0"

B2 TYPICAL FDTN INTERIOR SECTION
SCALE: 3/4" = 1'-0"



A5 SECTION @ COLUMN TO PIER CONNX
SCALE: 3/4" = 1'-0"



A4 TYPICAL FOUNDATION EXTERIOR SECTION
SCALE: 3/4" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING
INDIAN ROUTE 21, TONALEA, ARIZONA
100% CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

Chavez-Grieves Consulting Engineers, Inc.

DYRON MURPHY ARCHITECTS, P.C.

4901 Montbel Place NE, Albuquerque, New Mexico 87110

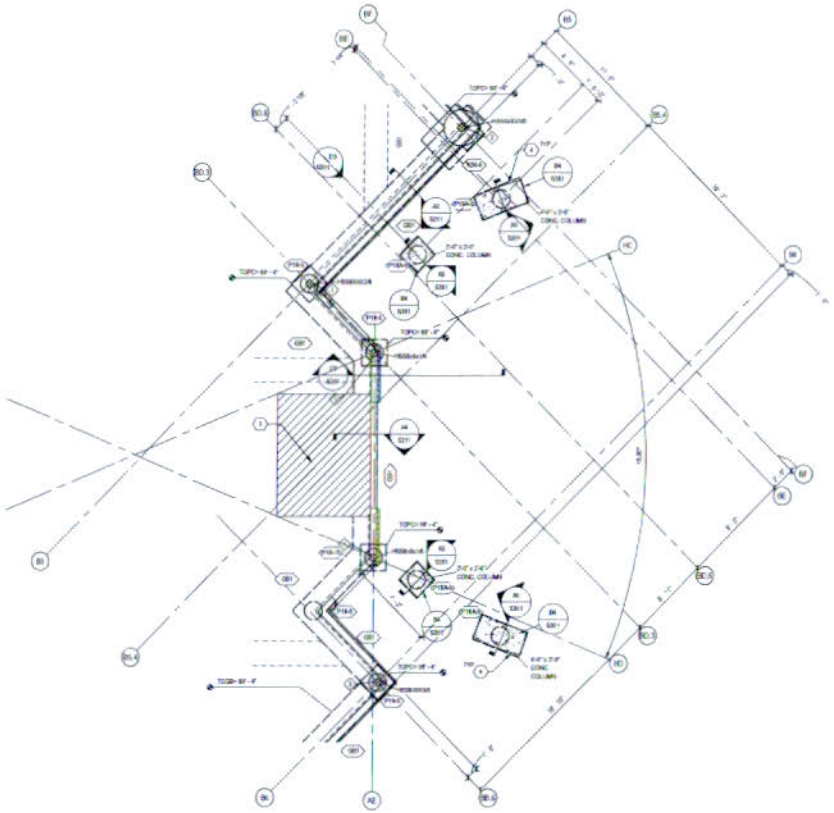
ENGINEER

Revision Schedule

Revision Number	Revision Date	Revision Description

FOUNDATION SECTIONS AND DETAILS

S301



A4 FOUNDATION PLAN - ENTRY WAY
SCALE: 1/4"=1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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JANUARY 16, 2017

GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. NOTE TO CONTRACTOR: ENLARGED SLAB BLOCKOUTS MAY BE REQUIRED AT FRAME COLUMNS FOR BRACED FRAME GUSSET PLATE CLEARANCE.
3. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE CONCRETE WALLS, BRACED FRAMES AND MOMENT FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
4. DIMENSIONS ARE TO THE FACE OF CONCRETE UNLESS NOTED OTHERWISE.
5. PROVIDE SLAB JOINTS AT 15'-0" ON CENTER MAXIMUM. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED 43.3 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS, PROVIDE 1.44 X 0.4" DIAGONAL TO THE RE-ENTRANT CORNER. SEE S311 FOR TYPICAL SLAB JOINTS.
6. TOP OF FOOTING ELEVATION - SEE PLAN.
7. SEE SHEET S311 FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
8. SEE SHEET S600 FOR SCHEDULES AND DETAILS.
9. SEE M311 FOR PIER SCHEDULE.

SHEET KEYNOTE

1. 5" CONCRETE SLAB REINFORCED WITH #4 @12" OC EACH WAY. TOP & BOTTOM OVER 2" VIDE FORM. FINISH FLOOR ELEVATION - 100'-0" - SEE ELEVATION SECTION.
2. FLOOR DRAIN. SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
3. SLAB DEPRESSION SEE ARCH
4. TOP OF PIER CAP = 2'-0" BELOW FINISHED GRADE

Chavez-Grieves Consulting Engineers, Inc.

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ENGINEER

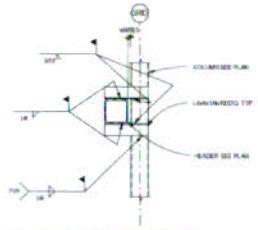
Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER	DRAWN BY	REVIEWED BY
#	Author	Designer

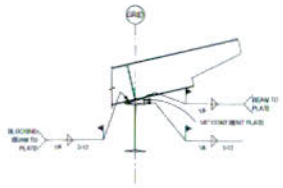
SHEET TITLE
ENLARGED PLANS

Sheet Number
S401

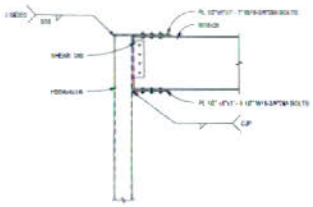
D6 HEADER TO POST CONNX
SCALE: 3/4" = 1'-0"



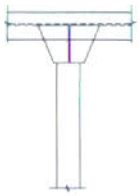
D4 HEADER TO COL CONNX
SCALE: 3/4" = 1'-0"

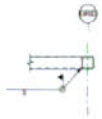


D3 BLOCK @ HIGH ROOF OVER LOW BEAM
SCALE: 3/4" = 1'-0"

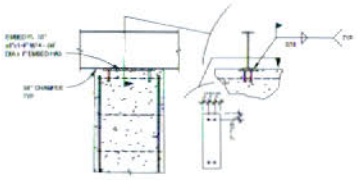


D2 FRAMING CONNECTION DETAIL
SCALE: 3/4" = 1'-0"

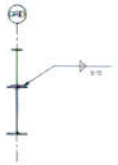




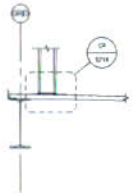
C5 HSS BEAM TO HSS BEAM CONNX
SCALE: 3/4" = 1'-0"



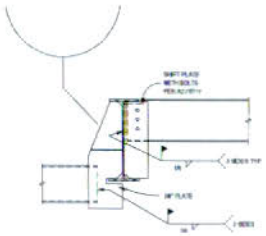
C4 EMBED PL @ TRELIS SUPPORT
SCALE: 3/4" = 1'-0"



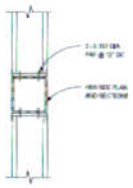
C3 BRACED FRAME BLOCKING CONNX
SCALE: 3/4" = 1'-0"



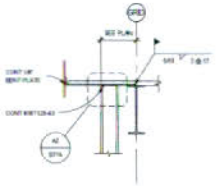
C2 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



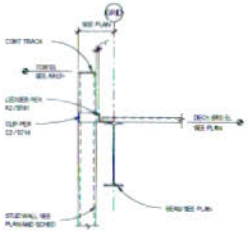
B6 SECTION @ LOW ROOF HSS TO BEAM
SCALE: 3/4" = 1'-0"



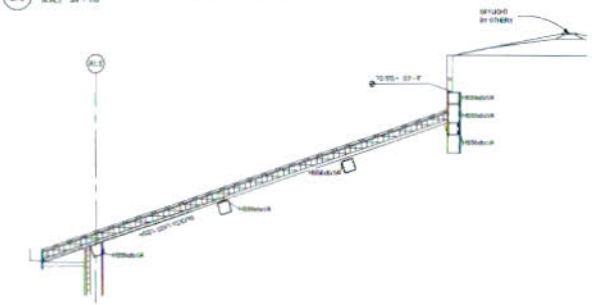
B4 HSS GIRT AT SHADE STRUCT
SCALE: 1 1/2" = 1'-0"



B3 CANTILEVERED DECK EDGE
SCALE: 3/4" = 1'-0"

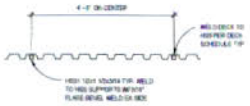


B2 SECTION AT ROOF EDGE BEAM
SCALE: 3/4" = 1'-0"

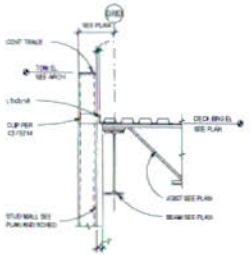


A6 HOGAN SECTION
SCALE: 1/2" = 1'-0"

A4 CANTED HSS AT ROOF EDGE
SCALE: 3/4" = 1'-0"



A3 CANTILEVERED DECK SUPPORT
SCALE: 3/4" = 1'-0"



A2 SECTION AT ROOF EDGE JOIST
SCALE: 3/4" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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ENGINEER

Revision Schedule

Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN: Author | REVIEW: Designer

FILE

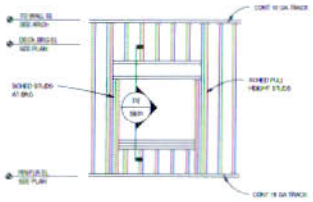
Sheet Title: FRAMING SECTIONS AND DETAILS

Sheet Number

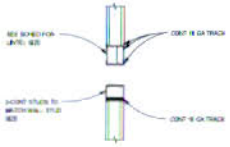
S501

Sequence

LIGHTGAGE (KPS) SCHEDULE					
SPAN	STUDS IN LINTEL	STUDS AT BEARING	FULL HEIGHT STUDS	HORIZONTAL STUDS	TRACK
0'-0"-4'-0"	[illegible]	[illegible]	[illegible]		[illegible]
4'-0"-8'-0"	[illegible]	[illegible]	[illegible]		[illegible]
8'-0"-12'-0"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

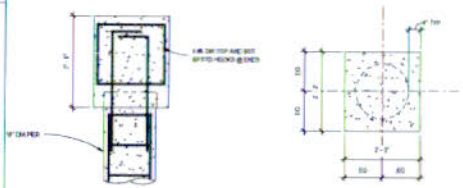


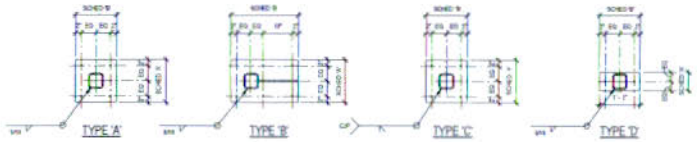
D3 COLD FORMED LINTEL ELEV
SCALE: 1"=1'-0"



D2 COLD-FORMED LINTEL SECTION
SCALE: 3/4"=1'-0"

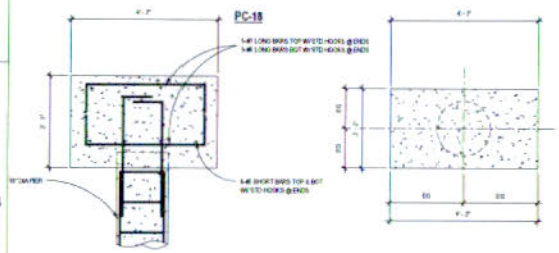
REQUIRED LAP SPLICES				
REINFORCEMENT TYPE	#6 AND SMALLER (MM)	#7 AND LARGER (MM)	MINIMUM LENGTH (IN)	COMMENTS
CONTINUOUS WALL, FOOTINGS AND STEMWALLS	36	36	48	
RETAINING WALL AND BASEMENT WALL VERTICAL REINFORCING	27	72	12	
RETAINING WALL AND BASEMENT WALL HORIZONTAL REINFORCING	27	72	12	
CONCRETE COLUMNS NOT SUPPORTING LATERAL FORCES	27	72	12	
CONCRETE COLUMNS SUPPORTING LATERAL FORCES	27	72	12	
TOP FLEXURAL REINFORCEMENT INCLUDING BEAMS, GRADE BEAMS, ELEVATED SLABS, AND COMBINED COLUMN FOOTINGS AT BRACED FRAME/MOMENT FRAMES	37	71	12	
BOTTOM FLEXURAL REINFORCEMENT INCLUDING BEAMS, GRADE BEAMS, ELEVATED SLABS, AND COMBINED COLUMN FOOTINGS AT BRACED FRAME/MOMENT FRAMES	46	89	12	
SLABS ON GRADE	30	30	12	
MINIMUM EMBEDMENT OF STANDARD HOOKS INTO CONCRETE BARS	16	16	4	INCREASE LENGTH FOR #11 BARS AND LARGER BY A FACTOR OF 1.4
ALL REBAR LAPS IN CMU EXCEPT WHERE NOTED AS EXTENDED LAPS	40	68	12	
EXTENDED LAPS IN CMU (WHERE SPECIFIED IN DETAILS)	72	72	12	

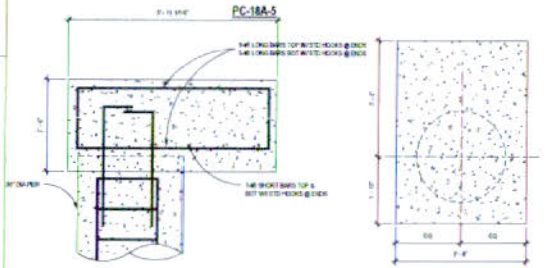




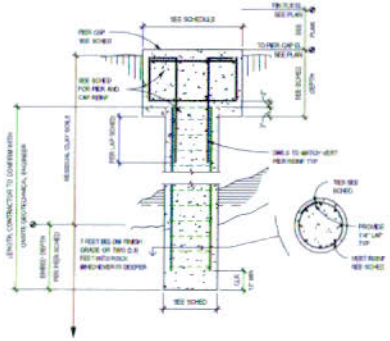
GRADE BEAM SCHEDULE					
MARK	SIZE		REINFORCEMENT		REMARKS
	WIDTH	DEPTH	CONT REBAR	CONT REBAR	TIES
GB1	2'-0"	2'-0"	4-#6 TOP	#6 @ 12" OC TOP	#6 @ 12" OC

BASE PLATE SCHEDULE				
MARK	TYPE	BASE PLATE SIZE (TYP/STS)		ANCHOR BOLTS FROM ANCHOR BOLTS
1	A	PER SE	PL 3/8" x 9"x12"-2"	4-3/4" DIA x 12" EMBED
2	B	PER SE	PL 3/8" x 9"x12"-4"	4-3/4" DIA x 12" EMBED
3	C	PER SE	PL 1" x 9"x12"-4"	4-1" DIA x 12" EMBED
4	D	PER SE	PL 3/8" x 9"x12"-4"	2-3/4" DIA x 12" EMBED





PC-36



PIER CAP SCHEDULE			
MARK	DIMENSIONS	DEPTH	REINFORCING
PC-18	3'-2" SQ	2'-0"	4-#6 BW TOP AND BOT
PC-18A-5	4'-0" x 2'-2"	2'-0"	4-#6 BW TOP AND BOT
PC-36A	3'-8" x 3'-8"	2'-0"	3-#6 LONG BAR TOP & 3-#6 LONG BAR BOT, 7-#6 SHORT BARS TOP AND BOT

PIER SCHEDULE							
MARK	DIAM	LENGTH	VERT REBAR	TIES	EMBED	PIER CAP
P18-4	18"	SEE DETAIL	4-#6	#5 @ 18"	1.0'1	PC-18
P18A-4	18"	SEE DETAIL	4-#6	#5 @ 18"	1.0'1	PC-18A-5
P36-4	36"	SEE DETAIL	7-#6	#5 @ 18"	1.0'1	PC-36

TONALEA CHAPTER REPLACEMENT BUILDING
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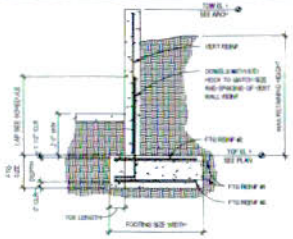
Revision Schedule		
Revision Number	Revision Date	Revision Description

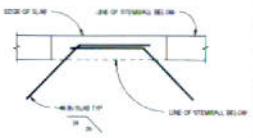
SCHEDULES AND DETAILS

S601



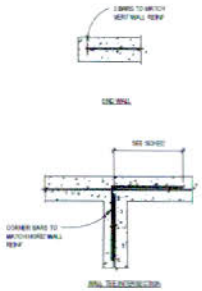
RETAINING WALL SCHEDULE									
MAX RETAINING HEIGHT-FT	WALL SIZE	FOOTING SIZE			FOOTING REINFORCING		WALL REINFORCING		MAX WALL HEIGHT
		WIDTH	DEPTH	TOE LENGTH	REINF # TBD	REINF # TBD	HORIZ REINF	VERT REINF	
4'-0"	6"	4'-0"	1'-0"	1'-0"	(3) # 5 CONT	# @ 12" OC TRANS	# @ 18" OC	# @ 12" OC	5'-0"
8'-0"	12"	6'-0"	1'-0"	2'-0"	(4) # 6 CONT	# @ 12" OC TRANS	# @ 18" OC	# @ 12" OC	10'-0"

D1 RETAINING WALL DETAIL AND SCHED
SCALE: 1/8" = 1'-0"

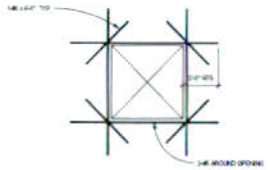


PLAN

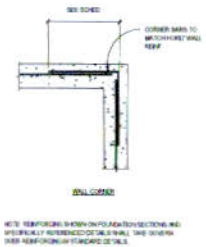
D2 SLAB REINFORCING AT OPNG
SCALE: 1/4" = 1'-0"



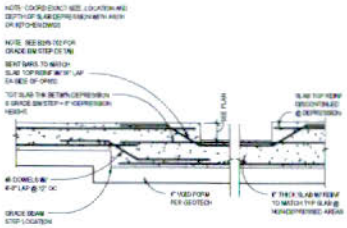
C4 GRADE BM TO PIER SECTION1
SCALE: 1/4" = 1'-0"



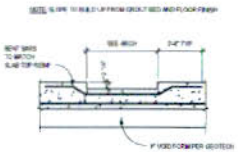
C2 OPENING IN CONC WALL DETAIL
SCALE: 1/4" = 1'-0"



B5 TYPICAL SINGLE MAT WALL REINF
SCALE: 1/4" = 1'-0"

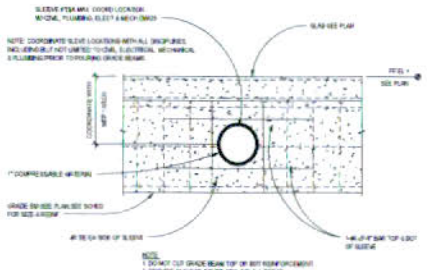


B4 SLAB DEPRESSION REINFORCEMENT
SCALE: 1/4" = 1'-0"

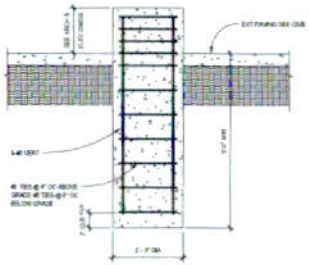


B3 SECTION AT FLOOR SLOPE
SCALE: 1/4" = 1'-0"

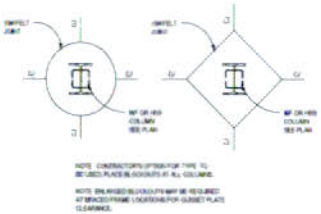
B2 TYPICAL CONSTRUCTION JOINT
SCALE: 1/4" = 1'-0"



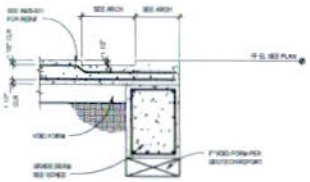
A6 TYPICAL GRADE BM SLEEVE DETAIL1
SCALE: 1/4" = 1'-0"



A4 FLAG/LIGHT POLE BASE DETAIL
SCALE: 1/4" = 1'-0"



A3 TYPICAL COLUMN BLOCKOUT
SCALE: 1/4" = 1'-0"



A2 SECTION AT ENTRY DEPRESSION
SCALE: 1/4" = 1'-0"

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INDIAN ROUTE 21, TONALEA, ARIZONA
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Chavez-Grieves consulting engineers, inc.

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ENGINEER

Revision Schedule

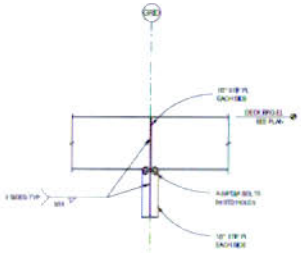
Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN BY | CHECKED BY
Author | Designer

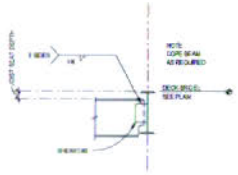
TYPICAL FOUNDATON SECTIONS AND DETAILS

Sheet Number
S701

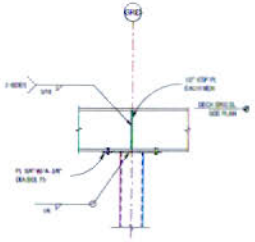
Designer



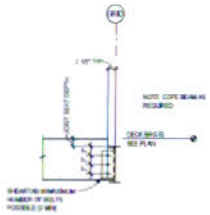
D3 BEAM OVER BEAM DETAIL
SCALE: 3/4" = 1'-0"



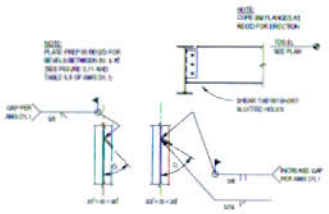
D2 BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



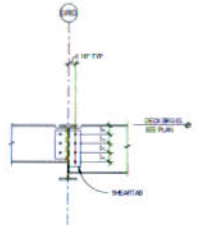
C3 WF BEAM OVER COL CONN
SCALE: 3/4" = 1'-0"



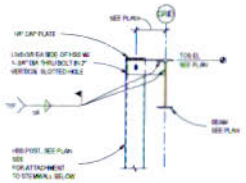
C2 BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



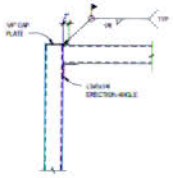
B3 BEAM TO BEAM CONN SKEWED
SCALE: 3/4" = 1'-0"



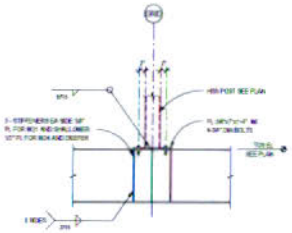
B2 BEAM TO BEAM CONN SHEARTAB
SCALE: 3/4" = 1'-0"



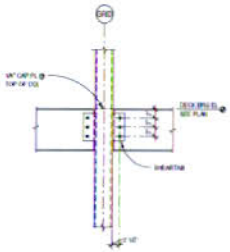
A6 TYPICAL POST TO ROOF BEAM CONN
SCALE: 3/4" = 1'-0"



A5 HSS TO HSS MOMENT CONNX
SCALE: 3/4" = 1'-0"



A4 HSS COL TO TRANSFER GIRDER
SCALE: 3/4" = 1'-0"



A3 BEAM TO HSS COL CONN
SCALE: 3/4" = 1'-0"

1. ALL BOLTS SHALL BE A325 WF DIA IN STANDARD HOLES UNLESS NOTED OTHERWISE.
2. ALL CLIP ANGLES SHALL BE LAID VERTICALLY WITH COLUMN WEBS. ALL OTHER CLIP ANGLES SHALL BE LAID IN LINE.
3. ALL SHEAR TABS SHALL BE PL 3/8" WELDED TO THE SUPPORTING MEMBER WITH 3/16" FILLET WELDS ON BOTH SIDES UNLESS NOTED OTHERWISE.
4. BOLT QUANTITIES FOR EACH CONNECTION SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
   1 @ W5.0/10 — 1 @ W16
   1 @ W12.0/14 — 1 @ W12F
   1 @ W10.0/14 — 1 @ W8.0F
   1 @ W21
   1 @ W24
   1 @ W31

A2 CONNECTION GENERAL NOTES
SCALE: 3/4" = 1'-0"

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Chavez-Grieves Consulting Engineers, Inc.

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ENGINEER

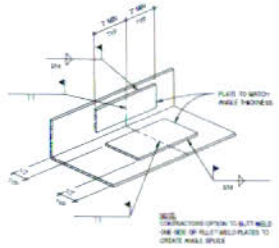
Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER: 1 | DRAWN BY: Author | REVIEWED BY: Designer

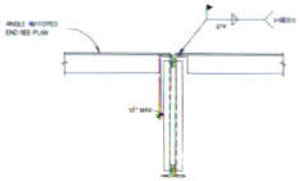
Sheet Title: TYPICAL FRAMING SECTIONS AND DETAILS

Sheet Number: S711

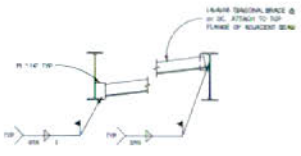
Sequence of



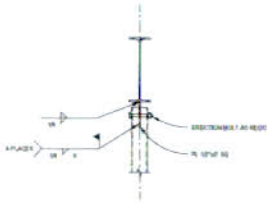
D5 TYPICAL PERIMETER ANGLE SPLICE
SCALE: 3/4" = 1'-0"



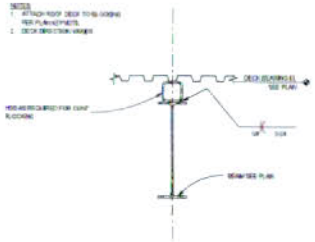
D4 ANGLE TO JOIST CONN
SCALE: 3/4" = 1'-0"



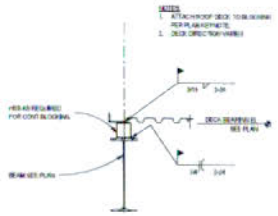
D3 DIAGONAL ANGLE BRACE AT BEAM
SCALE: 3/4" = 1'-0"



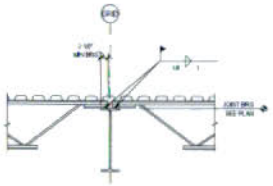
D2 HANGER SECTION
SCALE: 1" = 1'-0"



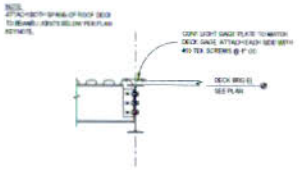
C2 HSS COLLECTOR AT BEAM
SCALE: 1" = 1'-0"



B2 HSS COLLECTOR AT EDGE BEAM
SCALE: 3/4" = 1'-0"



A3 JOIST BEARING AT BEAM
SCALE: 3/4" = 1'-0"



A2 ROOF DECK TRANSITION
SCALE: 3/4" = 1'-0"

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INDIAN ROUTE 21 TONALEA, ARIZONA

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ENGINEER

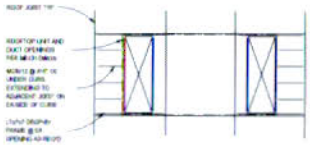
Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN BY | REVIEWED BY

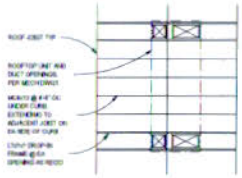
Author | Designer

TYPICAL FRAMING SECTIONS AND DETAILS

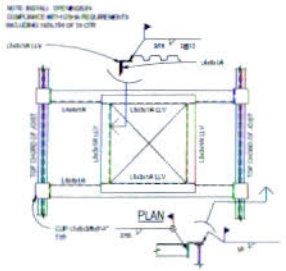
S712



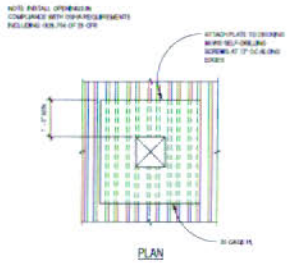
D2 UNIT SUPPORT PERP TO JOISTS
SCALE: 3/4" = 1'-0"



C2 UNIT SUPPORT PARALLEL TO JOISTS
SCALE: 3/4" = 1'-0"



B2 TYPICAL ROOF OPNG LARGER THAN 12"
SCALE: 3/4" = 1'-0"



A2 TYPICAL ROOF OPENING 0"-12"
SCALE: 3/4" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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ENGINEER

Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER	DRAWN BY:	REVIEWED BY
0	Author	Designer

CUT FILE
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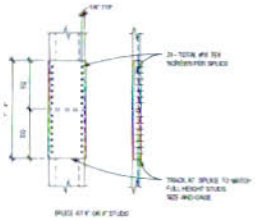
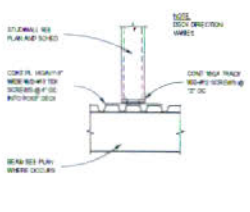
Sheet Title
TYPICAL FRAMING SECTIONS AND DETAILS

Sheet Number
S713

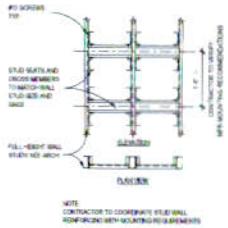
Sequence 0



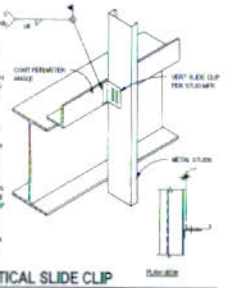
D2 DETAIL LG STUD SPLICE
SCALE 1 1/2" = 1'-0"



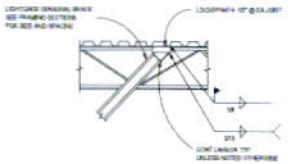
C4 STUDWALL BEARING ON ROOF DECK
SCALE 1" = 1'-0"



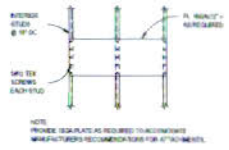
C3 LG WALL MOUNTING DTL 500 LBS MAX
SCALE 3/4" = 1'-0"



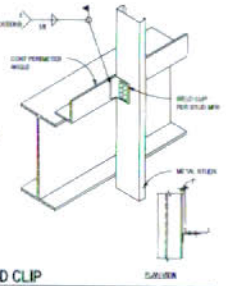
C2 VERTICAL SLIDE CLIP
SCALE 3/4" = 1'-0"



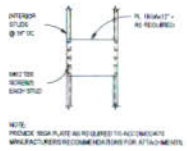
B4 DIAG BRACE TO METAL DECK
SCALE 3/4" = 1'-0"



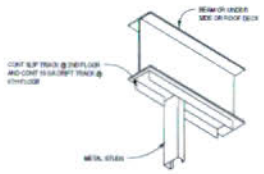
B3 LG WALL MOUNTING DETAIL 150 LBS MAX
SCALE 3/4" = 1'-0"



B2 WELD CLIP
SCALE 3/4" = 1'-0"



A3 LG WALL MOUNTING DTL 80 LBS MAX
SCALE 3/4" = 1'-0"



A2 SLIP TRACK ASSEMBLY
SCALE 3/4" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING
INDIAN ROUTE 21, TONALEA, ARIZONA
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JANUARY 16, 2017

Chavez-Grieves consulting engineers inc.

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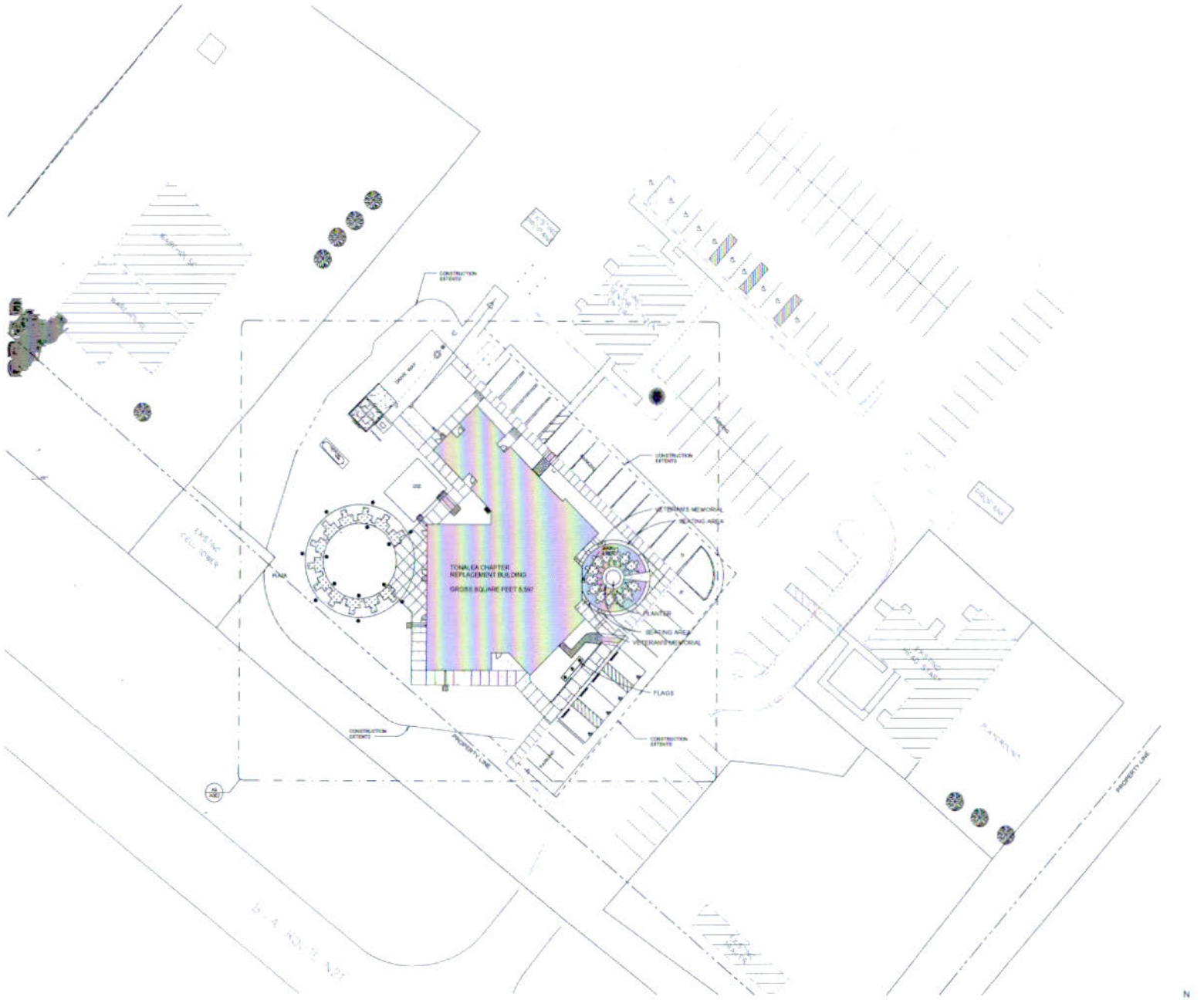
Revision Schedule		
Revision Number	Revision Date	Revision Description

TYPICAL FRAMING SECTIONS AND DETAILS

S714



A5 SITE PLAN

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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JANUARY 16, 2017

GENERAL NOTES

A. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND EXISTING UTILITIES AND IS RESPONSIBLE FOR REMOVALS AS REQUIRED TO COMPLETE THE WORK. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
B. CONTRACTOR TO PROMOTE SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES AND ALL EXISTING CONSTRUCTION TO REMAIN.
C. CONTRACTOR TO COORDINATE WITH THE OWNER FOR ALLOWABLE STAGING AREAS DURING CONSTRUCTION.
D. FIELD VERIFY ALL EXISTING UTILITIES AND COORDINATE WITH THE SCOPE OF WORK SHOWN ON DRAWINGS.
E. "REMOVE" IN ALL NOTES MEANS TO REMOVE THE EXISTING ITEM AND ALL ASSOCIATED COMPONENTS, AND PROPERLY DISPOSE OF OFF SITE.
F. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES.
G. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
H. SEE SHEET A004 FOR SITE DETAILS.
I. REFER TO CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION.
J. REFER TO LANDSCAPE DRAWINGS FOR LANDSCAPING PLANS.

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NOT FOR CONSTRUCTION

ARCHITECT

Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER 2016.07 | DRAWN BY Author | REVIEWED BY Designer

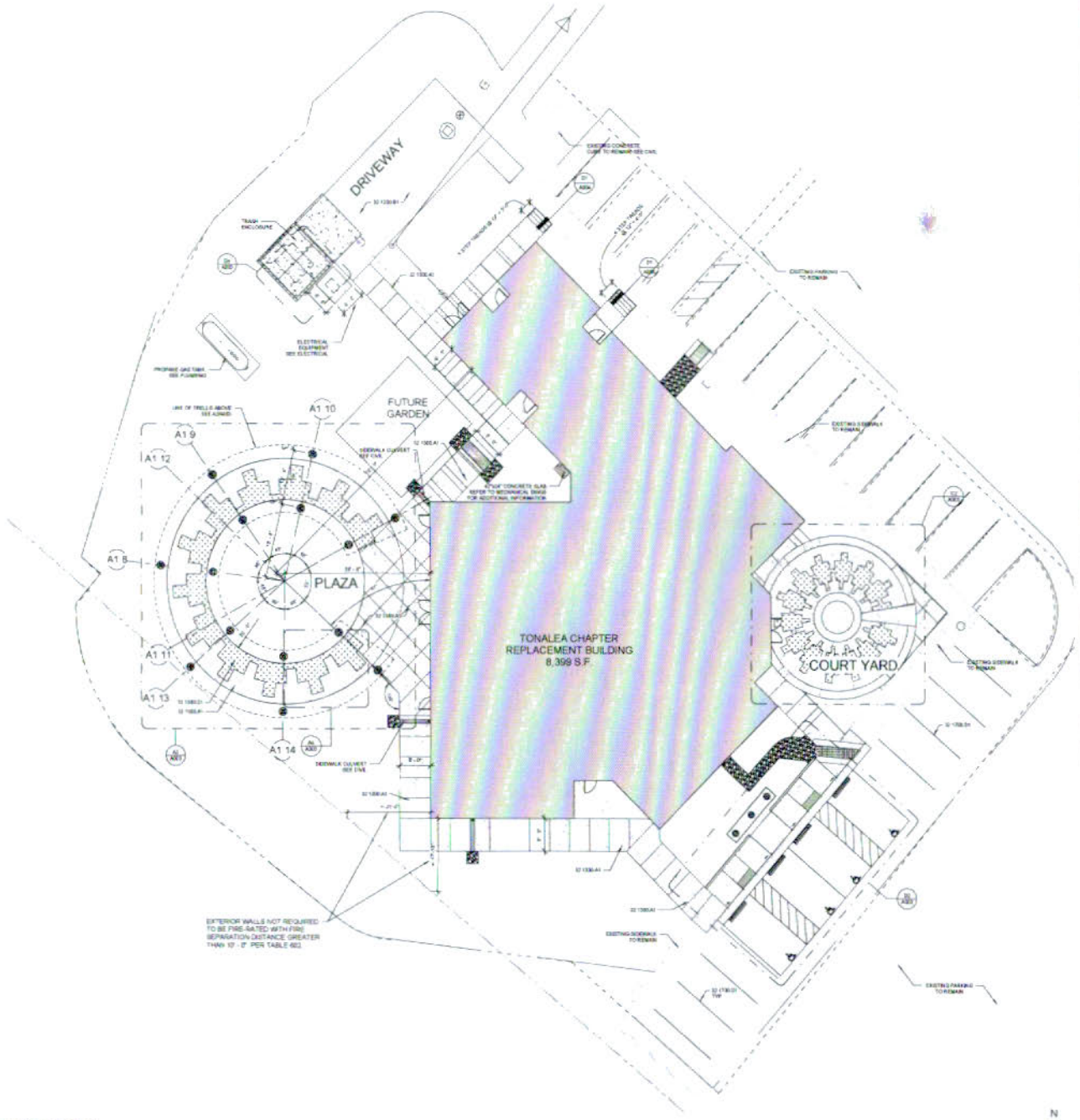
RVT FILE E:\Revit Local\TONALEA CHAPTER_Dame.rvt

Drawing Title: OVERALL SITE PLAN

Sheet Number

A001

Sequence of



A5 ENLARGED SITE PLAN

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

GENERAL NOTES

A. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND EXISTING UTILITIES AND IS RESPONSIBLE FOR REMOVALS AS REQUIRED TO COMPLETE THE WORK. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
B. CONTRACTOR TO PROMOTE SAFETY MEASURES TO PROTECT PEDESTRIANS, VEHICLES AND ALL EXISTING CONSTRUCTION TO REMAIN.
C. CONTRACTOR TO COORDINATE WITH THE OWNER FOR ALLOWABLE STAGING AREAS DURING CONSTRUCTION.
D. FIELD VERIFY ALL EXISTING UTILITIES AND COORDINATE WITH THE SCOPE OF WORK SHOWN ON DRAWINGS.
E. "REMOVE" IN ALL NOTES MEANS TO REMOVE THE EXISTING ITEM AND ALL ASSOCIATED COMPONENTS, AND PROPERLY DISPOSE OF OFF SITE.
F. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES.
G. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
H. SEE SHEET A004 FOR SITE DETAILS.
I. REFER TO CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION.
J. REFER TO LANDSCAPE DRAWINGS FOR LANDSCAPING PLANS.

KEYED NOTES

32 1300.B1	ASPHALT PAVING
32 1300.A1	CONCRETE SIDEWALK
32 1300.A3	CONCRETE SLAB
32 1300.D1	EXPOSED AGGREGATE CONCRETE
32 1700.D1	PAVEMENT MARKING

ACCESSIBLE PARKING COUNT

SITE PARKING COUNT

Total Parking Spaces Provided	= 27
Accessible Parking Spaces Required	= 2 (FROM TABLE BELOW)
Accessible Van Parking Spaces Required	= 1
Accessible Parking Spaces Provided	= 3

(A) Accessible Parking Spaces meet Accessible Van parking requirements.
(2) stalls provided with Van Accessible Parking Signs.

Table 1106.1 Accessible Parking Spaces
(2012 INTERNATIONAL BUILDING CODE)

Total Number of Parking Spaces Provided in Parking Facility	Minimum Number of Required Accessible Parking Spaces
1 to 25	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 to 300	7
301 to 400	8
401 to 500	9
501 to 1000	2 percent of total
1001 and over	20, plus 1 for each 100 or fraction thereof over 1000

1106.5 Van Spaces. For every six or fraction of six accessible parking stalls, at least one shall be a van accessible parking space.

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Revision Schedule		
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2016-07	Author	Designer

SOFTWARE
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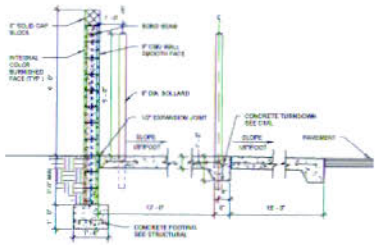
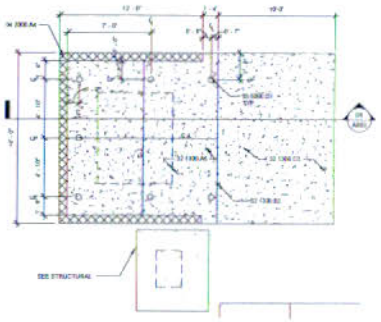
Sheet Title
ENLARGED SITE PLAN

Sheet Number
A002

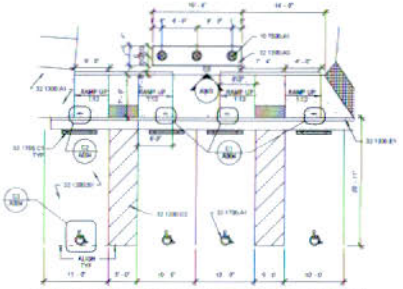
Sequence of



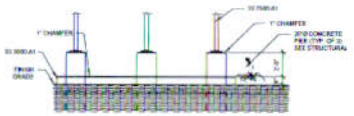
D5 DUMPSTER ENCLOSURE



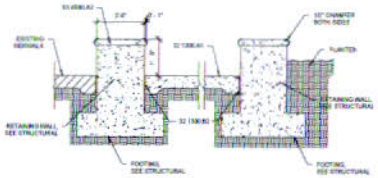
D4 DUMPSTER ENCLOSURE



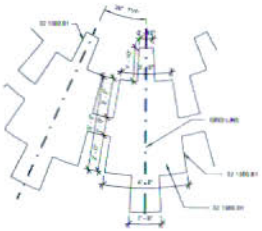
D2 FLAGPOLES & ADA PARKING - LARGE SCALE PLAN



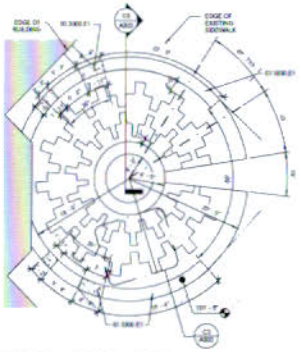
C6 FLAGPOLES - ELEVATION



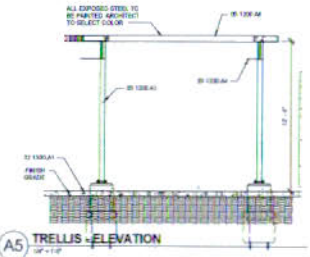
C5 RETAINING WALL



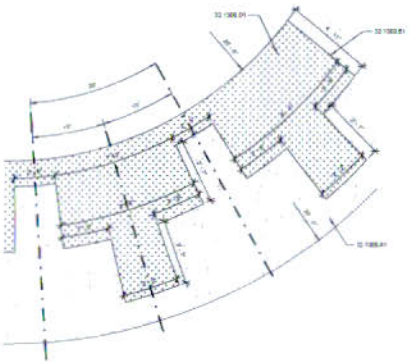
C3 COURTYARD FINISHED FLOOR PATTERN - TYP.



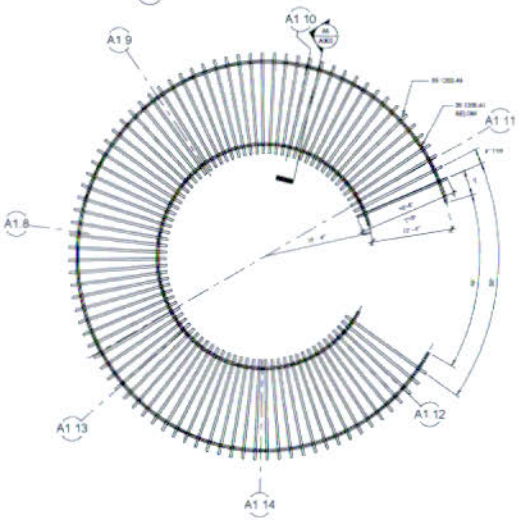
C2 COURTYARD - LARGE SCALE PLAN



A5 TRELLIS - ELEVATION



A4 PLAZA FINISHED FLOOR PATTERN - TYP.



A2 TRELLIS - LARGE SCALE PLAN

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

KEYED NOTES

03 3000.A1	CONCRETE SLAB
03 3000.E1	CAST-IN-PLACE CONCRETE WALL
03 4500.A2	4" PRE-CAST CONCRETE CAP
04 2000.A4	6X8X16 CMU
05 1200.A1	STEEL COLUMN, SEE STRUCTURAL
05 1200.A4	STEEL BEAM, SEE STRUCTURAL
05 1200.A4	STEEL MEMBER, SEE STRUCTURAL
05 5000.D1	CONCRETE FILLED STEEL PIPE BOLLARD
10 7500.A1	FLAGPOLE
32 1200.B1	ASPHALT PAVING
32 1300.C3	ACCESSIBLE ADLE PAVEMENT MARKING
32 1300.A1	CONCRETE SIDEWALK
32 1300.A3	CONCRETE SLAB
32 1300.A4	CONCRETE PAVING
32 1300.B1	CONTROL JOINT
32 1300.B2	1/2" EXPANSION JOINT
32 1300.C3	CONCRETE DRIVE APRON
32 1300.D1	EXPOSED AGGREGATE CONCRETE
32 1300.E1	CONCRETE CURB AND GUTTER
32 1750.A1	ACCESSIBLE PARKING PAVEMENT MARKING
32 1750.D1	PARKING BUMPER

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Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER 2016.01 | DRAWN BY Author | PROJECT MGR Designer

DWG FILE C:\Revit Local\TONALEA CHAPTER_Detail.rvt

Sheet Title: SITE LARGE SCALE PLAN & DETAILS

Sheet Number: A003

Sequence: of

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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JANUARY 16, 2017

GENERAL NOTES

A. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND EXISTING UTILITIES AND IS RESPONSIBLE FOR REMOVALS AS REQUIRED TO COMPLETE THE WORK. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
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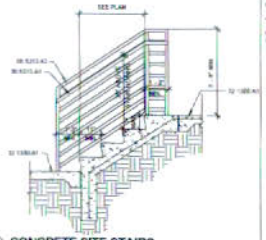
F. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES.
G. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
H. SEE SHEET A004 FOR SITE DETAILS.
I. REFER TO CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION.
J. REFER TO LANDSCAPE DRAWINGS FOR UNDERGROUND PLANS.

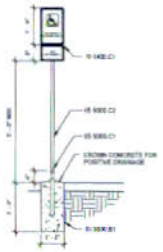
KEYED NOTES

03 4000.B1	CONCRETE FOOTING
05 5000.C1	PIPE SLEEVE
05 5000.C2	STEEL TUBE
05 5213.A1	HANDRAIL
05 5213.A2	GUARDRAIL
10 1400.C1	ACCESSIBLE PARKING SIGN
32 1300.A1	CONCRETE SIDEWALK
32 1300.B1	CONTROL JOINT
32 1700.A1	ACCESSIBLE PARKING PAVEMENT MARKING

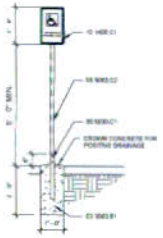


D1 CONCRETE SITE STAIRS

C3 ACCESSIBLE PAVING PARKING

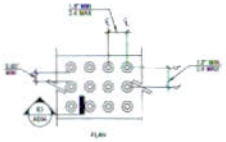


C2 ACCESSIBLE PARKING SIGN - VAN



C1 ACCESSIBLE PARKING SIGN

B3 DETECTABLE/TACTILE



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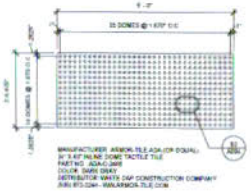
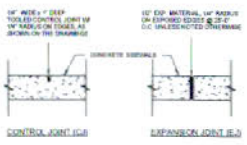
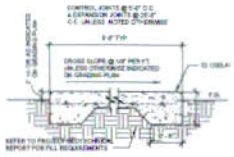


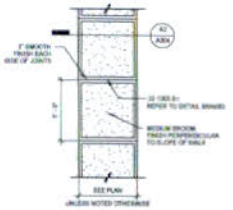
B1 DETECTABLE/TACTILE



A3 CONCRETE JOINT DETIALS



A2 SIDEWALK SECTION



A1 SIDEWALK DETAIL

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Revision Schedule

Revision Number	Revision Date	Revision Description

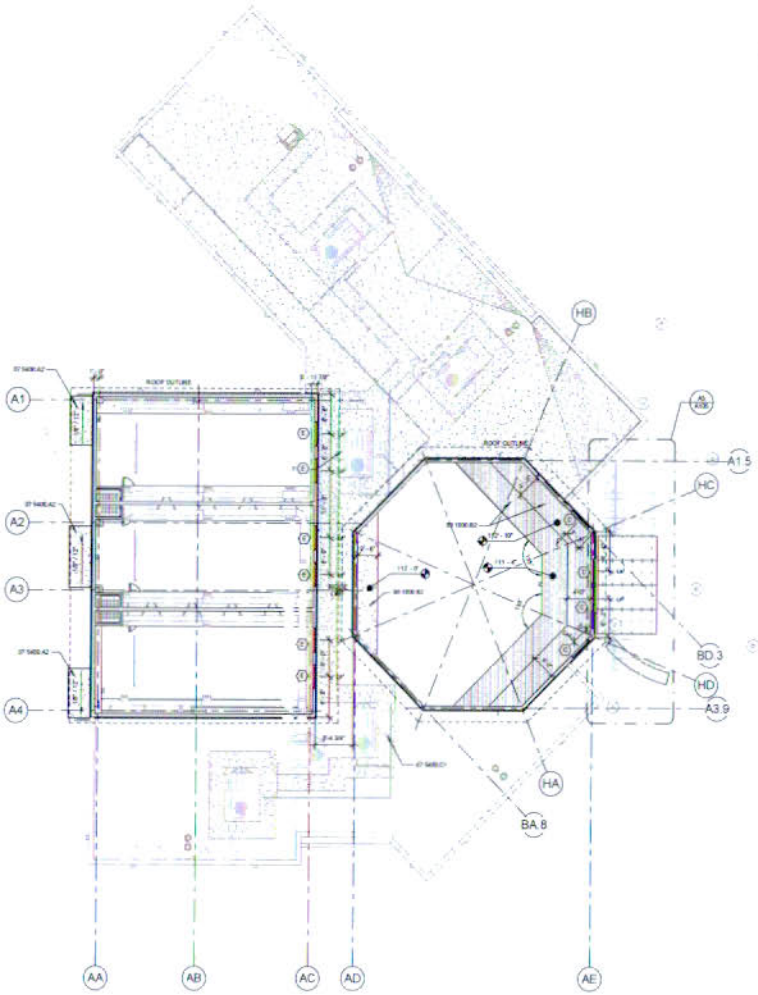
PROJECT NUMBER 201637 | DRAWN BY Author | PROJ. MGR Designer

SITE DETAILS

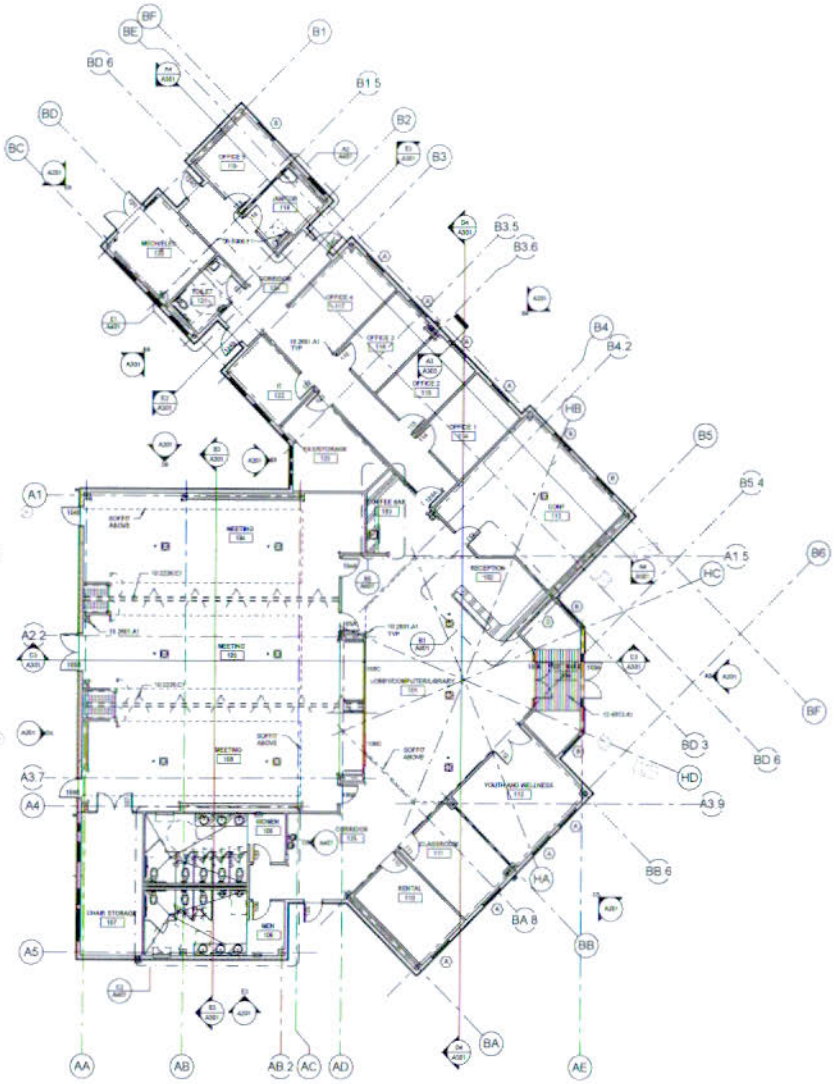
Sheet Number

A004

Sequence



A6 CLERESTORY PLAN



A3 FLOOR PLAN

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

GENERAL NOTES

A. SEE DIMENSION PLAN FOR WALL TYPES
B. PROVIDE BLOCK AT ALL INTERIOR AND EXTERIOR WINDOWS
C. REFER TO SHEET G02 FOR LOCATION OF FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINETS
D. REFER TO ELEVATIONS FOR ALL WINDOW LOCATIONS AND WINDOWS NOT SHOWN ON PLAN
E. CONTRACTOR SHALL COORDINATE ALL ROOF DRAIN PIPING WITH PLAN CUTS DIMENSIONS AS SHOWN ON PLANS
F. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL AND PLUMBING DRAWINGS FOR EXACT FLOOR DRAIN AND FLOOR SINK LOCATIONS PRIOR TO POURING FLOOR SLAB. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER
G. CONTRACTOR TO COORDINATE ALL ELECTRICAL FLOOR BOXES WITH ELECTRICAL DRAWINGS
H. PROVIDE CORNER GUARDS AT ALL STUD WALL OUTSIDE CORNERS
I. PROVIDE PLYWOOD BACKING AT ALL LOCATIONS AS REQUIRED, INCLUDING BUT NOT LIMITED TO DOOR WALL STOPS (COORDINATE WITH DOOR HARDWARE)
J. REFER TO SHEET P201 FOR TYPICAL MOUNTING DIMENSIONS FOR PLUMBING FIXTURES

KEYED NOTES

05 5500.01	METAL ACCESS LADDER
06 1000.A2	1/2" PLYWOOD SHEATHING
07 5400.A2	TPO ROOF MEMBRANE SYSTEM
07 5400.C1	ROOF WALKWAY PAD
10 2225.01	FOLDING PANEL PARTITION
10 2801.A1	CORNER GUARD
12 4813.A1	RECESSED ENTRANCE FLOOR MAT AND FRAME

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Revision Schedule		
Revision Number	Revision Date	Revision Description

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2016.07	Author	Designer

FILE PATH
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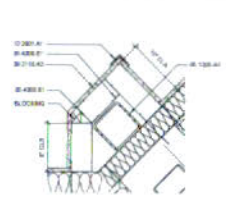
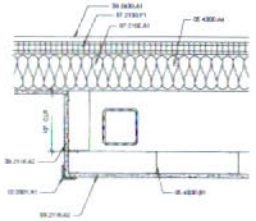
Sheet Title
FLOOR PLAN & CLERESTORY PLAN

Sheet Number
A101

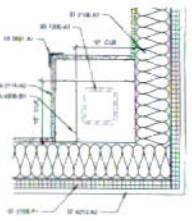
Sequence of



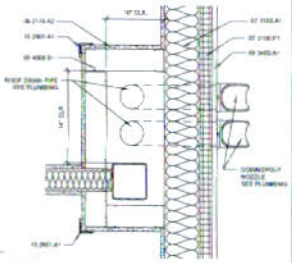
E4 COLUMN AT WALL CHASE - TYP



E3 COLUMN AT WALL CHASE- TYP.



E2 COLUMN AT WALL CHASE - TYP.



E1 DRAIN PIPE AT WALL CHASE - TYP

A4 DIMENSION PLAN

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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DIMENSION NOTES

A. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
B. LOCATE DOOR FRAMES ACCORDING TO THE DETAILS INDICATED ON AS0.
C. REFER TO LARGE SCALE FLOOR PLANS FOR DIMENSIONS NOT SHOWN ON THIS SHEET.
D. REFER TO "SHEET" AND FOR PARTITION TYPES.
E. CONTRACTOR SHALL COORDINATE THE PARTITION TYPES INDICATED ON THIS SHEET WITH THE UNION RESISTANT AND/OR FIRE RESISTANCE RATED ASSEMBLIES INDICATED ON THE LIFE SAFETY PLAN. IN THE CASE OF ANY DISCREPANCIES IN SMOKE RESISTANCE OR FIRE RATING, THE MOST RESTRICTIVE SHALL GOVERN.

PARTITION TYPE NOTES

A. FIRE RESISTANCE RATED WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REFERENCED UL DESIGN FOR THE ASSEMBLY, INCLUDING, BUT NOT LIMITED TO: TAPE & JOINT COMPOUND, FASTENERS (INCLUDING NAILS, SCREWS, OR STAPLES) AND GYPSUM BOARD TYPES.
B. ALL JOINTS BETWEEN RATED ASSEMBLIES AND ADJACENT CONSTRUCTION (INCLUDING SILL, HEAD AND SHALL BASE) SHALL BE CONSTRUCTED IN ACCORDANCE WITH AN APPROPRIATE UL JOINT DESIGN APPLICABLE TO THE RATED ASSEMBLY IN WHICH THEY OCCUR, INCLUDING, BUT NOT LIMITED TO: INTUMESCENT SEALANT, EXPANSION SYSTEMS, CUT DIMENSIONS AND VOID MATERIALS.
C. PENETRATIONS IN RATED PARTITIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AN APPROPRIATE UL PENETRATION DESIGN FOR THE RATED ASSEMBLY IN WHICH THEY OCCUR.
D. ALL MATERIALS USED IN RATED ASSEMBLIES SHALL BEAR THE UL CLASSIFICATION MARKS AS REQUIRED BY THE UL DESIGN OF THE ASSEMBLY IN WHICH THEY OCCUR.
E. PROVIDE 5/8" WATER RESISTANT GYP. BOARD AT ALL RESTROOMS, JANITORS CLOSETS, AND AREAS WITH DRINKING FOUNTAINS.
F. PROVIDE 5/8" DENS SHIELD SHEATHING AT LOCATIONS WHERE CERAMIC TILE IS LOCATED.
G. PROVIDE BRACKING AT DOOR FRAME LOCATIONS ON STRUCTURE AND PROVIDE 3-1/2" THK. STEEL STUD AT DOOR STRIKE LOCATIONS.
H. ALL PARTITIONS UNLESS OTHERWISE NOTED ARE 12" ABOVE CEILING.
I. ALL DUCT CHASE FURR-OUT SHALL USE 3-5/8" METAL STUDS EXTEND GYP. BOARD TO DECK ON ALL SIDES.
J. ALL FURR-OUT WALLS SHALL BE 3-5/8" METAL STUDS.

KEYED NOTES

04 1300-A1	STEEL COLUMN - SEE STRUCTURAL
05 4000-A1	METAL STUD FRAMING
05 4000-B1	3-5/8" METAL STUD @ 16" O.C. OR AS INDICATED
07 2100-A1	BATT INSULATION
07 2100-F1	RIGID INSULATION BOARD
07 4210-A2	METAL WALL PANEL
09 2100-A2	5/8" GYPSUM BOARD
09 2400-A1	STUCCO SYSTEM
10 2801-A1	CORNER GUARD

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Revision Schedule		
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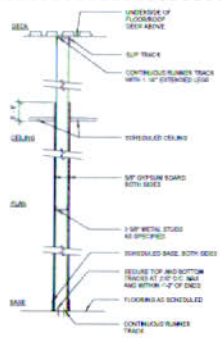
DIMENSION PLAN

Sheet Number

A102

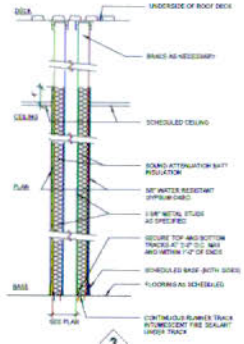
Designation



4

4" Partition, Non-Rated

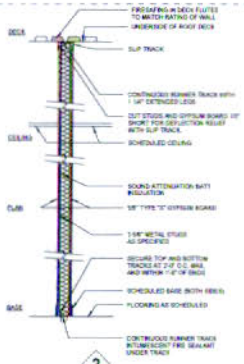
NOTES
1. METAL STUD SIZE: 3 5/8"
2. OVERALL DIMENSION = 4 1/8"
3. NO FIRE RATING



3

4" Partition Non-Rated

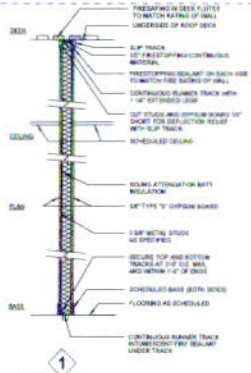
NOTES
1. METAL STUD SIZE: 3 5/8"
2. OVERALL DIMENSION = 4 1/8"
3. NON RATED
4. STC=45
5. PROVIDE ACOUSTIC SEALANT AT WALL PENETRATIONS, TYPICAL



2

4" Partition Non-Rated

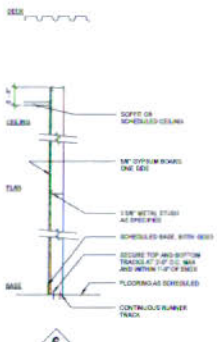
NOTES
1. METAL STUD SIZE: 3 5/8"
2. OVERALL DIMENSION = 4 1/8"
3. NO FIRE RATING



1

4" Partition 1 Hour Fire Rated

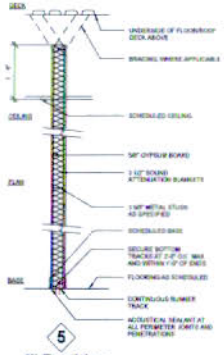
NOTES
1. METAL STUD SIZE: 3 5/8"
2. OVERALL DIMENSION = 4 7/8"
3. 1-HOUR FIRE RATED (UL DESIGN U419)
4. STC = 45
5. PROVIDE FIRESTOPPING AT WALL PENETRATIONS, TYPICAL



6

4" Partition, Non-Rated

NOTES
1. METAL STUD SIZE: 3 5/8"
2. OVERALL DIMENSION = 4 1/8"
3. NO FIRE RATING



5

4" Partition, Non-Rated

NOTES
1. METAL STUD SIZE: 3 5/8"
2. OVERALL DIMENSION = 4 1/8"
3. NO FIRE RATING
4. STC RATING =48 SOUND TEST NRCC 818-4W 2-HR

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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PARTITION TYPE NOTES

A. FIRE-RESISTANCE RATED WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REFERENCED UL DESIGN FOR THE ASSEMBLY, INCLUDING, BUT NOT LIMITED TO: TAPE & JOINT COMPOUND, FASTENERS (INCLUDING NAILS, SCREWS, OR STAPLES) AND GYPSUM BOARD TYPES.
B. ALL JOINTS BETWEEN RATED ASSEMBLIES AND ADJACENT CONSTRUCTION (INCLUDING WALL HEAD AND WALL BASE) SHALL BE CONSTRUCTED IN ACCORDANCE WITH AN APPROPRIATE UL JOINT DESIGN APPLICABLE TO THE RATED ASSEMBLY IN WHICH THEY OCCUR, INCLUDING, BUT NOT LIMITED TO INTUMESCENT SEALANT, EXPANSION SYSTEMS, CUT DIMENSIONS, AND VOID MATERIALS.
C. PENETRATIONS IN RATED PARTITIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AN APPROPRIATE UL PENETRATION DESIGN FOR THE RATED ASSEMBLY IN WHICH THEY OCCUR.
D. ALL MATERIALS USED IN RATED ASSEMBLIES SHALL BEAR THE UL CLASSIFICATION MARK AS REQUIRED BY THE UL DESIGN OF THE ASSEMBLY IN WHICH THEY OCCUR.
E. PROVIDE 5/8" WATER RESISTANT GYP. BOARD AT ALL RESTROOMS, JANITORS CLOSETS, AND AREAS WITH DRINKING FOUNTAINS.
F. PROVIDE 5/8" DENS SHIELD SHEATHING AT LOCATIONS WHERE CERAMIC TILE IS LOCATED.
G. PROVIDE BRACING AT DOOR FRAME LOCATIONS ON STRIKE SIDE AND PROVIDE 3 1/2" THK. STEEL STUD AT DOOR STRIKE LOCATIONS.
H. ALL PARTITIONS, UNLESS OTHERWISE NOTED, ARE 12" ABOVE CEILING.
I. ALL DUCT CHASE PUSH-OUT SHALL USE 1-5/8" METAL STUDS EXTRA GYP. BOARD TO DECK ON ALL SIDES.

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Revision Schedule

Revision Number	Revision Date	Revision Description

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SITE FILE
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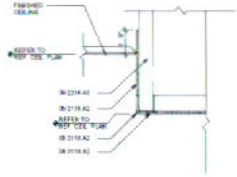
CHAPTER_revitlocal@dm-architects.com

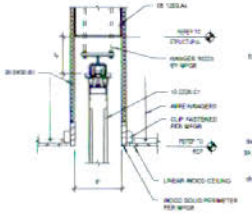
Sheet Title
PARTITION TYPES

Sheet Number
A103

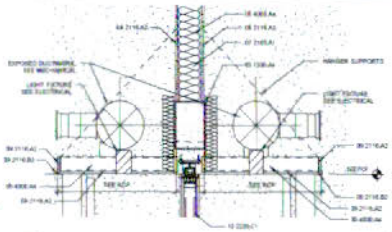
Sequence



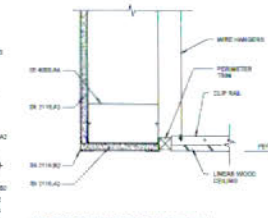
E6 CORRIDOR SOFFIT



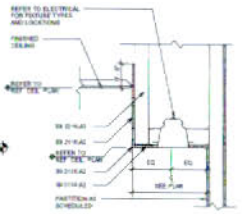
E5 DOOR PARTITION AT WOOD CEILING



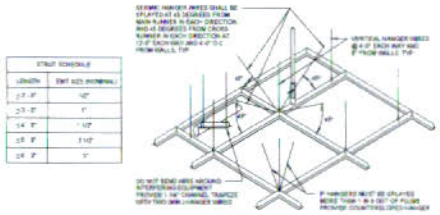
E4 SOFFIT & DOOR PARTITION



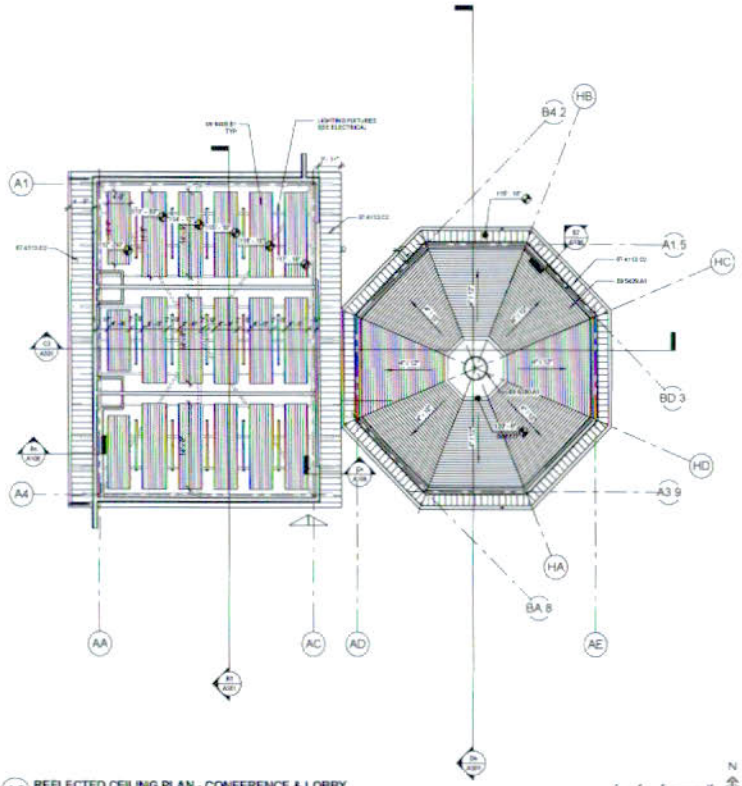
E2 WOOD CEILING TERMINATION AT SOFFIT



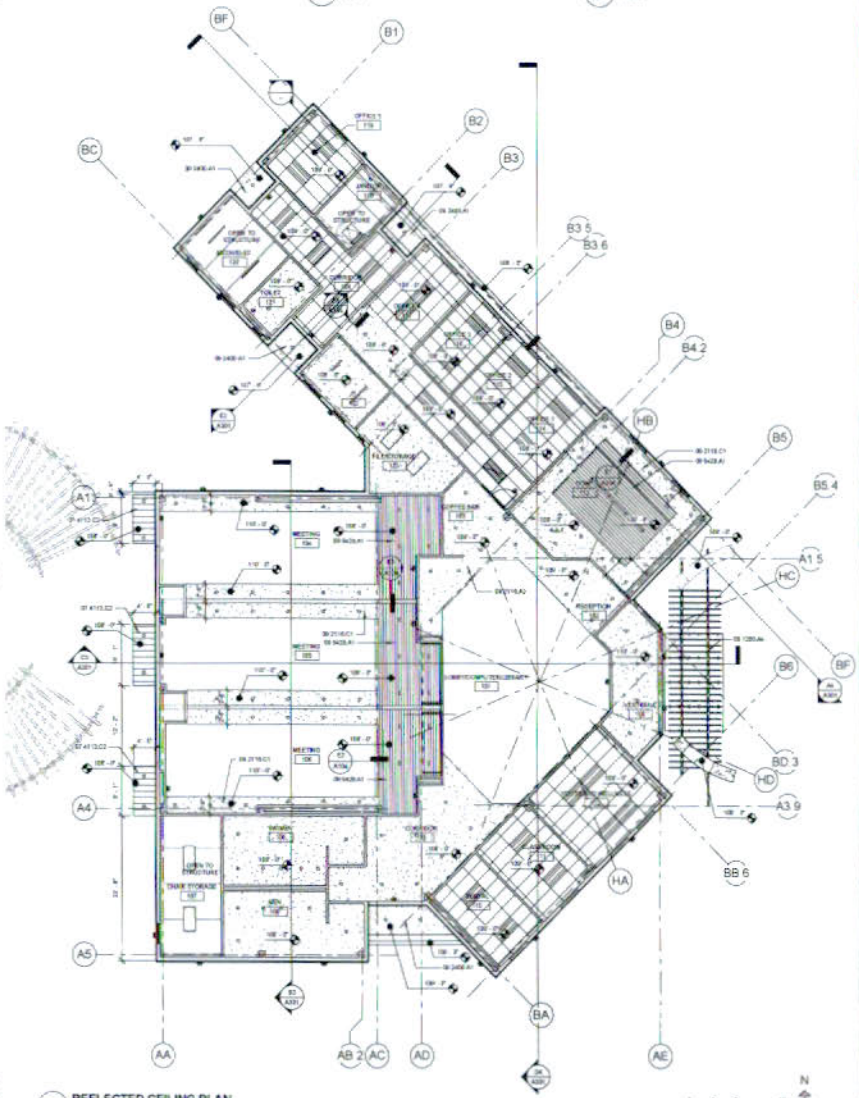
E1 SOFFIT



D6 SEISMIC BRACING DETAIL



A6 REFLECTED CEILING PLAN - CONFERENCE & LOBBY



A4 REFLECTED CEILING PLAN

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INDIAN ROUTE 21, TONALEA, ARIZONA

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GENERAL CEILING LEGEND

- WALL MOUNTED FIXTURE
- SUSPENDED FLUORESCENT DIRECT/INDIRECT PENDANT
- RECESSED LIGHT FIXTURES
- FLUORESCENT FIXTURE
- EXIT LIGHTS
- SUPPLY AIR DIFFUSER
- CONSULET GRILL
- RETURN AIR DIFFUSER
- LINEAR RETURN OR SUPPLY AIR DIFFUSER SEE MECHANICAL
- 2x4 LIGHT FIXTURE
- 1x4 LIGHT FIXTURE
- LINEAR LIGHT FIXTURE SEE ELECTRICAL
- CEILING ACCESS HATCH

REFLECTED CEILING LEGEND

- 2 x 4' ACOUSTICAL SUSPENDED CEILING
- GYPSUM BOARD CEILING
- LINEAR WOOD CEILING PANELS
- OPEN TO STRUCTURE, PAINT
- STUCCO SOFFIT
- METAL PANEL SOFFIT

KEYED NOTES

05 1200.A4	STEEL BEAM, SEE STRUCTURAL
05 4000.A4	METAL STUD FRAMING
07 0100.A1	BATT INSULATION
07 4113.C2	METAL SOFFIT CLADDING
09 6000.A1	PREFABRICATED SKYLIGHT UNIT
09 2116.A2	5/8" GYPSUM BOARD
09 2116.B2	GYPSUM BOARD CORNER BEAD
09 2116.C1	SUSPENDED GYPSUM BOARD CEILING
09 2216.A2	METAL STUD
09 2400.A1	STUCCO SYSTEM
09 5600.A1	LINEAR WOOD CEILING SYSTEM
09 8400.B1	SOUND BAFFLE
10 2228.C1	FOLDING PANEL PARTITION

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Revision Schedule		
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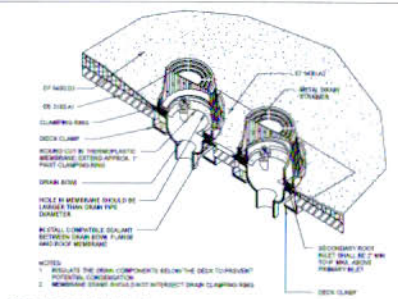
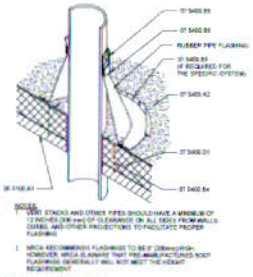
Sheet Title: REFLECTED CEILING PLAN & DETAILS

Sheet Number: A104

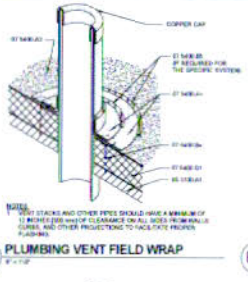
Sequence of



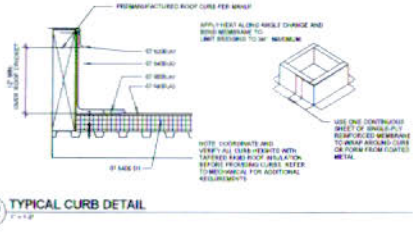
E6 ROOF DRAIN DETAIL



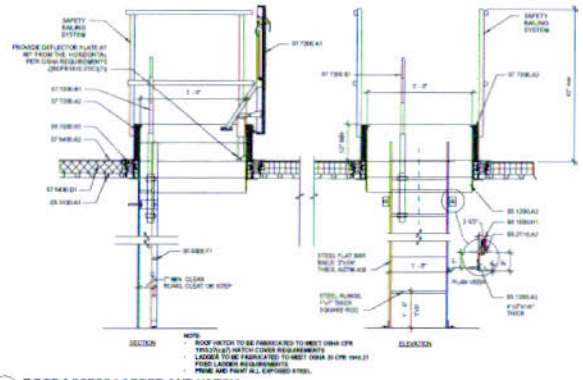
E4 PLUMBING VENT PREMANUFACTURED BOOT



E3 PLUMBING VENT FIELD WRAP

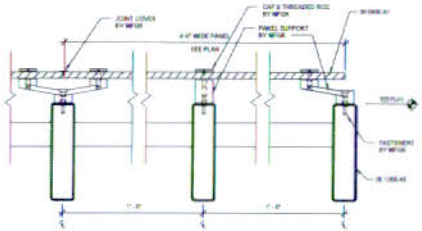


E2 TYPICAL CURB DETAIL

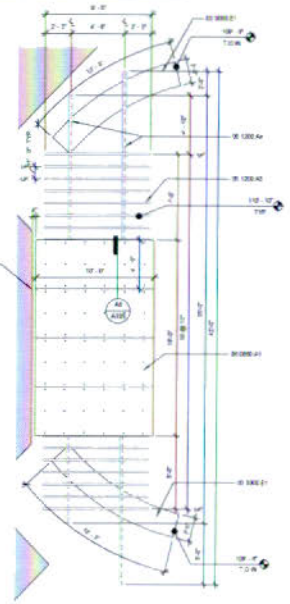


C6 ROOF ACCESS LADDER AND HATCH

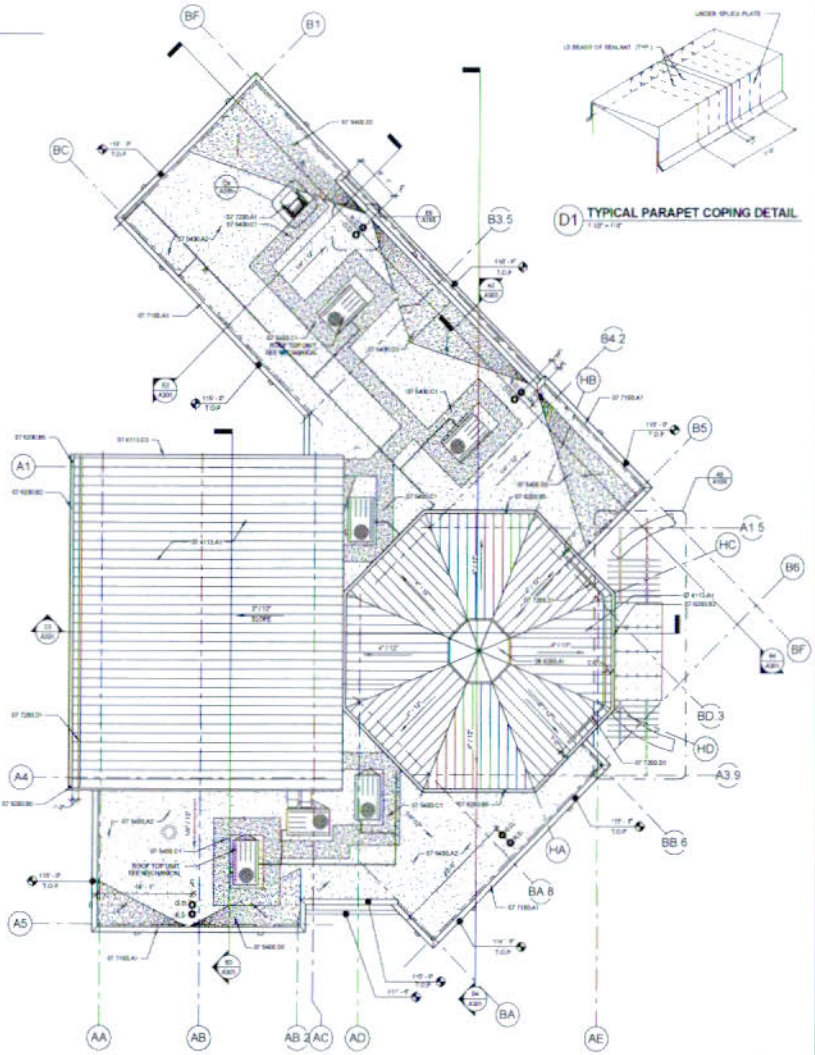
D1 TYPICAL PARAPET COPING DETAIL



A6 TRANSLUCENT PANEL DETAIL



A5 CANOPY AT MAIN ENTRY



A3 ROOF PLAN

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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GENERAL NOTES

A. GENERAL CONTRACTOR TO COORDINATE ALL ROOF PENETRATIONS FOR MECHANICAL, ELECTRICAL, PLUMBING AND FOOD SERVICE EQUIPMENT.
B. PROVIDE TREATED WOOD BLOCKING AT ALL LOCATIONS (MINIMUM WOOD BLOCKING IS GIVEN).
C. PROVIDE A MINIMUM SLOPE OF 1/4" PER FOOT AT ALL ROOF SLOPES TOWARDS ROOF DRAINS.
D. PROVIDE A MINIMUM SLOPE OF 1/2" PER FOOT AT ALL ROOF CRICKETS TOWARDS ROOF DRAINS.
E. SEE PLUMBING FOR ADDITIONAL ROOF DRAIN DETAILS.
F. ALL DIMENSIONS ARE FROM FACE OF STUD UNLESS NOTED OTHERWISE.
G. PROVIDE ROOF CRICKETS AT ALL EQUIPMENT AS REQUIRED TO PROVIDE POSITIVE FLOW OF WATER TOWARD ROOF DRAINS.

ROOF LEGEND

- SINGLE-PLY ROOF MEMBRANE
- ROOF CRICKET
- METAL ROOF
- WALK PAD

KEYED NOTES

03 3000.E1	CAST-IN-PLACE CONCRETE WALL
05 1200.A2	STEEL ANGLE, SEE STRUCTURAL
05 1200.A4	STEEL CHANNEL, SEE STRUCTURAL
05 1200.A6	STEEL BEAM, SEE STRUCTURAL
05 1200.A8	TUBE, SEE STRUCTURAL
05 3100.A1	STEEL DECK, SEE STRUCTURAL
05 5000.F1	METAL ACCESS LADDER
06 1600.A1	TRAMELLIZED FRAME
06 1600.F1	TREATED WOOD BLOCKING
07 4113.A1	METAL ROOF SYSTEM
07 4113.C3	METAL FASCIA PANEL
07 5400.A1	TPO ROOF MEMBRANE
07 5400.A2	TPO ROOF MEMBRANE SYSTEM
07 5400.B4	PLATE FASTENERS INTO DECK
07 5400.B5	SEALANT
07 5400.B6	DRAINBAND
07 5400.C1	ROOF WALKWAY PAD
07 5400.D1	RIGID ROOF INSULATION
07 5400.D2	TAPERED INSULATION CRICKETS
07 6200.A1	METAL DRIP EDGE
07 6200.A2	METAL GUTTER
07 6200.B5	METAL DOWNSPOUT
07 7100.A1	PRE-FINISHED METAL PARAPET COPING
07 7200.A1	ROOF HATCH
07 7200.A2	ROOF HATCH WITH INTEGRAL INSULATED CURB
07 7200.B1	TELESCOPING SAFETY POST
07 7200.D1	SNOW GUARD
07 9000.A1	CONTINUOUS JOINT SEALANT BEHIND BACKER ROD
09 6200.A1	PREFABRICATED SKYLIGHT UNIT
09 2116.A2	5/8" GYPSUM BOARD

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Revision Schedule		
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RFI FILE
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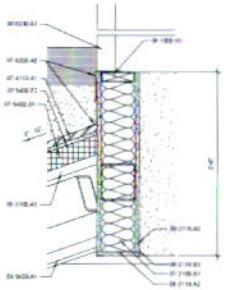
Drawing Title: ROOF PLAN & DETAILS

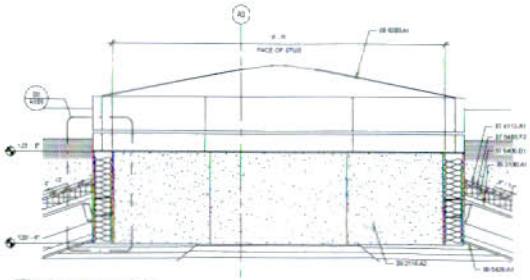
Sheet Number

A105

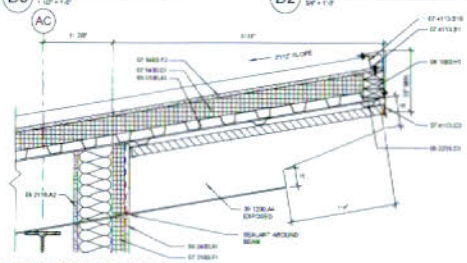
Sequence 47



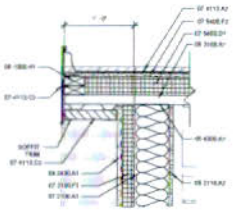
D3 SKYLIGHT SOFFIT DETAIL
1 1/2" = 1'-0"



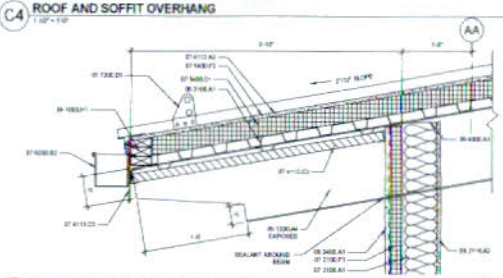
D2 SKYLIGHT SECTION
3/4" = 1'-0"



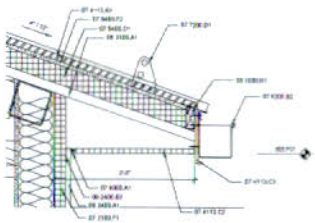
C4 ROOF AND SOFFIT OVERHANG
1 1/2" = 1'-0"



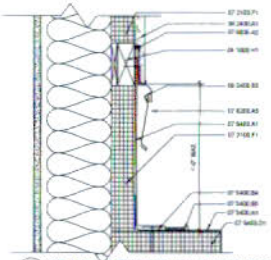
C1 ROOF OVERGHANG DETAIL
1 1/2" = 1'-0"



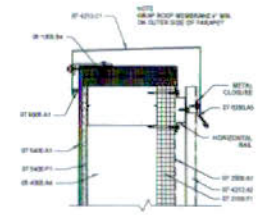
B4 ROOF AND SOFFIT OVERHANG DETAIL
1 1/2" = 1'-0"



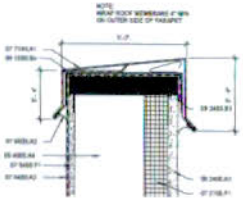
B2 ROOF EDGE & SOFFIT DETAIL
1 1/2" = 1'-0"



A3 STUCCO AND ROOF TRANSITION TYP.
3" = 1'-0"



A2 PARAPET COPING DETAIL AT METAL WALL PANEL
3" = 1'-0"



A1 PARAPET COPING DETAIL AT METAL STUD WALL
3" = 1'-0"

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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KEYED NOTES

05 1200.A4	STEEL BEAM, SEE STRUCTURAL
05 3100.A1	STEEL DECK, SEE STRUCTURAL
05 4000.A1	METAL STUD TRACK, MATCH STUD WIDTH
05 4000.A4	METAL STUD FRAMING
06 1000.B4	3/4" PLYWOOD SHEATHING
06 1000.H1	TREATED WOOD BLOCKING
07 2100.A1	BATT INSULATION
07 2100.F1	RIGID INSULATION BOARD
07 2500.A1	WEATHER BARRIER
07 4113.A2	METAL ROOF SYSTEM
07 4113.A2	METAL ROOF PANEL
07 4113.B1	FASTENER PER MFGR.
07 4113.B18	3" CLOSURE
07 4113.C2	METAL SOFFIT CLADDING
07 4113.D2	METAL FASCIA FRAME
07 4213.A2	METAL WALL PANEL
07 4270.C1	PARAPET COPING, PER MANUFACTURER
07 5400.A1	TPO ROOF MEMBRANE
07 5400.A2	TPO ROOF MEMBRANE SYSTEM
07 5400.B4	PLATE FASTENERS INTO DECK
07 5400.B5	SEALANT
07 5400.D1	RIGID ROOF INSULATION
07 5400.F1	1/2" GLASS MAT FACED GYPSUM ROOF BOARD
07 5400.F2	5/8" GLASS MAT FACED GYPSUM ROOF BOARD
07 6200.A2	METAL FLASHING
07 6200.B2	METAL GUTTER
07 7100.A1	PRE-FINISHED METAL PARAPET COPING
07 7200.D1	SNOW GUARD
07 9005.A1	CONTINUOUS JOINT SEALANT, BACKER ROD
07 9005.A2	SEALANT, CONTINUOUS
08 6300.A1	PRE-FABRICATED SKYLIGHT UNIT
09 2116.A2	5/8" GYPSUM BOARD
09 2116.B2	GYPSUM BOARD CORNER BEAD
09 2216.C1	FURRING CHANNEL
09 2400.A1	STUCCO SYSTEM
09 2400.B1	JAMB AT STUCCO STOP
09 2400.B2	STUCCO WEEP SCREED
09 6426.A1	LINEAR WOOD CEILING SYSTEM

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Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER 2016-07 | DRAWN BY Author | REVIEWED Designer

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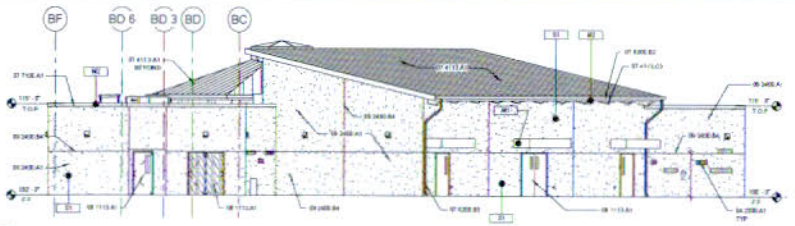
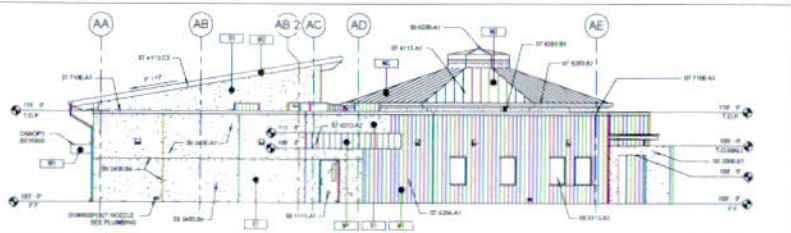
Sheet Title: ROOF DETAILS

Sheet Number: A106

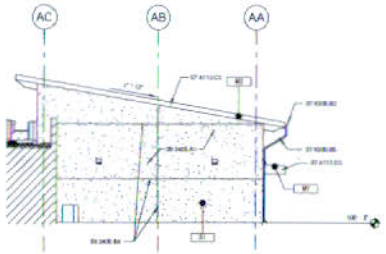
Sequence of



E6 NORTH-EAST ELEVATION

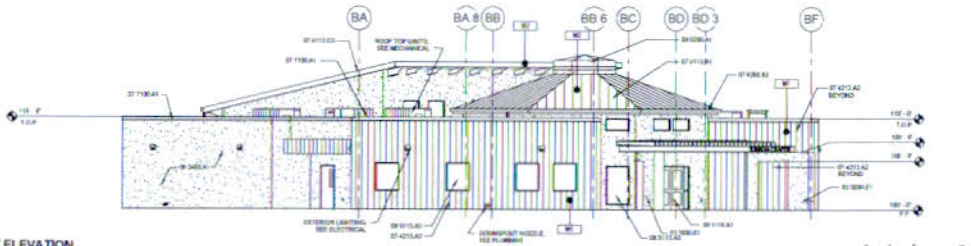


E3 SOUTH ELEVATION

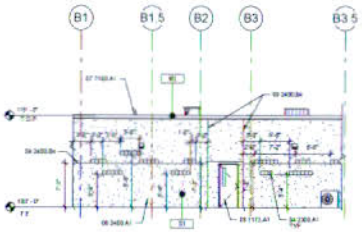


D6 NORTH ELEVATION

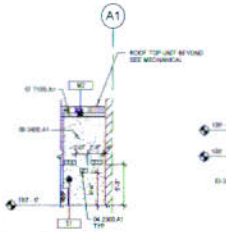
D5 WEST ELEVATION



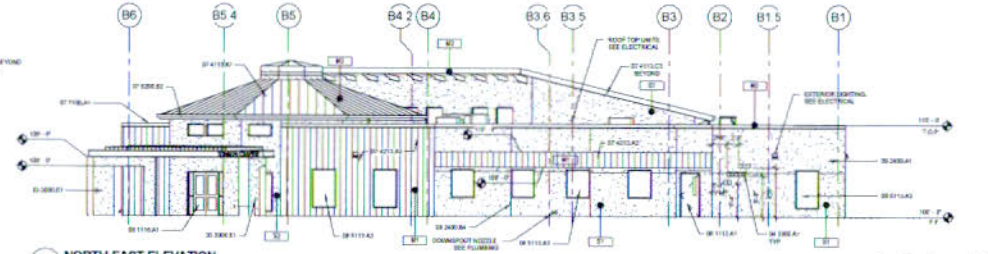
C5 SOUTH-EAST ELEVATION



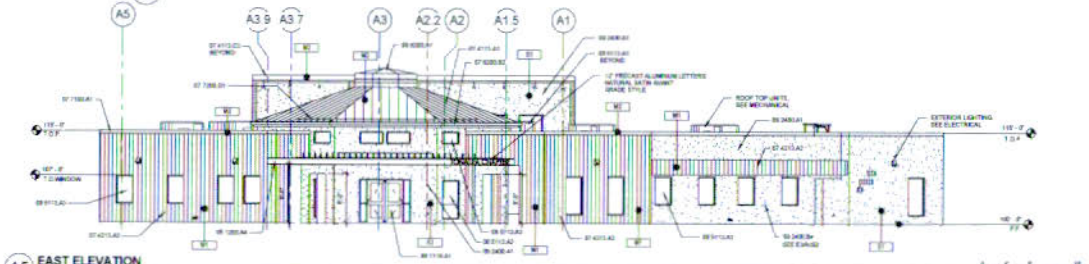
B6 SOUTH-WEST ELEVATION



B5 WEST ELEVATION



B4 NORTH-EAST ELEVATION



A5 EAST ELEVATION

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

GENERAL NOTES

A. ALL METAL PARAPET COPING AND FLASHING COLORS TO BE SELECTED BY ARCHITECT
B. ALL EXTERNAL HOLLOW METAL FRAME COLORS TO BE SELECTED BY ARCHITECT
C. ALL STUCCO COLORS TO BE SELECTED BY ARCHITECT
D. SEE ROOF PLAN FOR TOP OF WALL ELEVATIONS
E. DIMENSIONS SHOWN ON EXTERIOR ELEVATIONS ARE TO FINISHED FACE UNLESS NOTED OTHERWISE
F. COORDINATE FINISHED FACE DIMENSIONS WITH DIMENSION PLAN AND DETAIL DIMENSIONS
G. ALL EXPOSED STEEL SHALL BE PRIMED AND PAINTED. COLOR BY ARCHITECT
H. ALL ROOF DRAIN OUTLETS TO DAYLIGHT AT 6" A.F.F. COORDINATE WITH ARCHITECTURAL, PLUMBING, AND CIVIL PLANS
I. STUCCO CONTROL JOINTS INDICATED BY (CJ)

EXTERIOR FINISH NOTES

A. ALL EXPOSED STEEL TO BE PRIMED AND PAINTED. COLOR TO BE SELECTED ARCHITECT
B. ALL SCUPPERS AND DOWNSPOUTS COLOR TO BE SELECTED BY ARCHITECT
C. ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES COLOR TO BE SELECTED BY ARCHITECT
D. INSULATED METAL PANEL COLORS TO BE SELECTED BY ARCHITECT
E. STUCCO COLORS TO BE SELECTED BY ARCHITECT

S1	STUCCO COLOR 1
S2	STUCCO COLOR 2
M1	METAL PANEL COLOR 1
M2	METAL PANEL COLOR 2

KEYED NOTES

03 3000.B1	CAST-IN-PLACE CONCRETE WALL
04 2000.A1	GLASS BLOCK
05 1200.A1	STEEL BEAM, SEE STRUCTURAL
07 4113.A1	METAL ROOF SYSTEM
07 4113.C3	METAL FASCIA PANEL
07 4213.A2	METAL WALL PANEL
07 4286.A1	METAL COMPOSITE MATERIAL WALL PANEL SYSTEM
07 6200.B2	METAL GUTTER
07 6200.B4	METAL DOWNSPOUT
07 7100.A1	PRE-FINISHED METAL PARAPET COPING
07 7200.D1	SNOW GUARD
08 1113.A1	HOLLOW METAL DOOR AND FRAME
08 1116.A1	ALUMINUM FRAME AND DOOR
08 5113.A2	ALUMINUM WINDOW
08 6200.A1	PREFABRICATED SKYLIGHT UNIT
09 2400.A1	STUCCO SYSTEM
09 2400.B4	STUCCO CONTROL JOINT

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Revision Schedule		
Revision Number	Revision Date	Revision Description

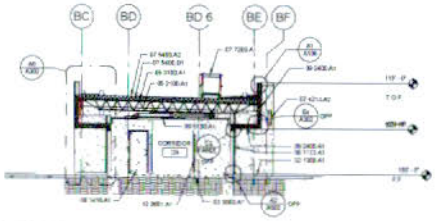
PROJECT NUMBER | DRAWN | REVIEW

DATE | Author | Designer

Sheet Title: EXTERIOR ELEVATIONS

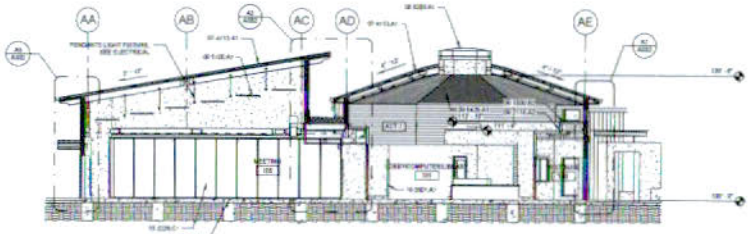
Sheet Number: A201

Sequence of



E2 BUILDING SECTION

D4 BUILDING SECTION



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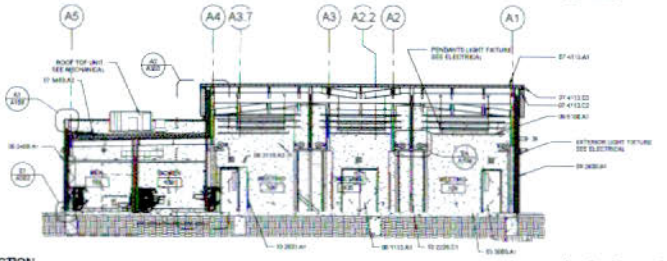

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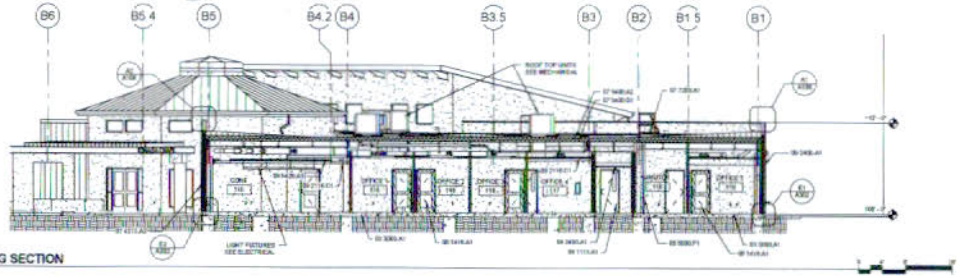

A4 BUILDING SECTION

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

GENERAL NOTES

A. ALL EXPOSED STRUCTURAL STEEL SHALL BE PRIMED AND PAINTED.
B. COORDINATE ALL PENETRATIONS THROUGH FIRE AND SMOKE ASSEMBLIES AS INDICATED IN LIFE SAFETY PLAN AND PARTITION TYPES. PROVIDE DAMPERS, SEALS AND ALL OTHER APPURTENANCES AS NECESSARY TO ENSURE FIRE RATING COMPLIANCE OF PENETRATIONS.
C. ALL ASSEMBLIES AND PENETRATIONS TO BE COORDINATED WITH RATING INDICATED IN CODE ANALYSIS/LIFE SAFETY PLANS. CONTRACTOR TO PROVIDE UL RATED ASSEMBLIES AS REQUIRED. CONTRACTOR TO PROVIDE UL RATINGS IN SUBMITTALS FOR ALL PENETRATIONS AS REQUIRED.

KEYED NOTES

03 3000.A1	CONCRETE SLAB
05 2100.A1	STEEL JOIST, SEE STRUCTURAL
05 3100.A1	STEEL DECK, SEE STRUCTURAL
05 5000.F1	METAL ACCESS LADDER
06 1000.B1	1x3" PLYWOOD (NAILTYPE)
07 4113.A1	METAL ROOF SYSTEM
07 4113.C2	METAL SOFFIT CLADDING
07 4113.C3	METAL FASCIA PANEL
07 4213.A2	METAL WALL PANEL
07 5400.A2	TPO ROOF MEMBRANE SYSTEM
07 5400.D1	RIGID ROOF INSULATION
07 7200.A1	ROOF HATCH
08 1113.A1	HOLLOW METAL DOOR AND FRAME
08 1416.H1	Tu-Lite WOOD DOOR
08 3350.A1	SLIDING GLASS DOOR
08 5113.A1	ALUMINUM WINDOW
08 6200.A1	PREFABRICATED SKYLIGHT UNIT
09 2116.A2	5/8" GYPSUM BOARD
09 2116.E1	SUSPENDED GYPSUM BOARD CEILING
09 2400.A1	STUCCO SYSTEM
09 5100.A1	SUSPENDED ACOUSTICAL CELING TILE SYSTEM
09 6400.A1	LINEAR WOOD CEILING SYSTEM
10 2226.C1	FOLDING PANEL PARTITION
10 2801.A1	CORNER GUARD
32 1300.A1	CONCRETE SIDEWALK

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Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN BY | PROJ. MGR.

SHEET | Author | Designer

EDT FILE

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Sheet Title

BUILDING SECTIONS

Sheet Number

A301

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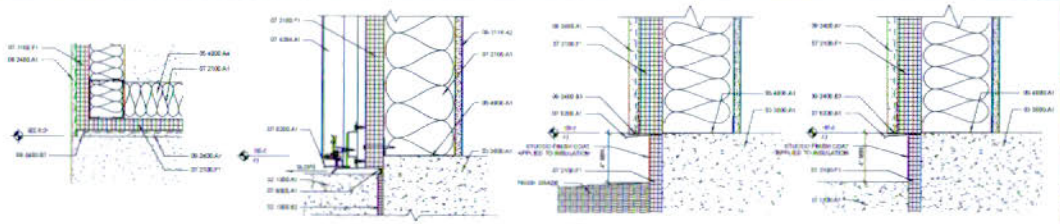
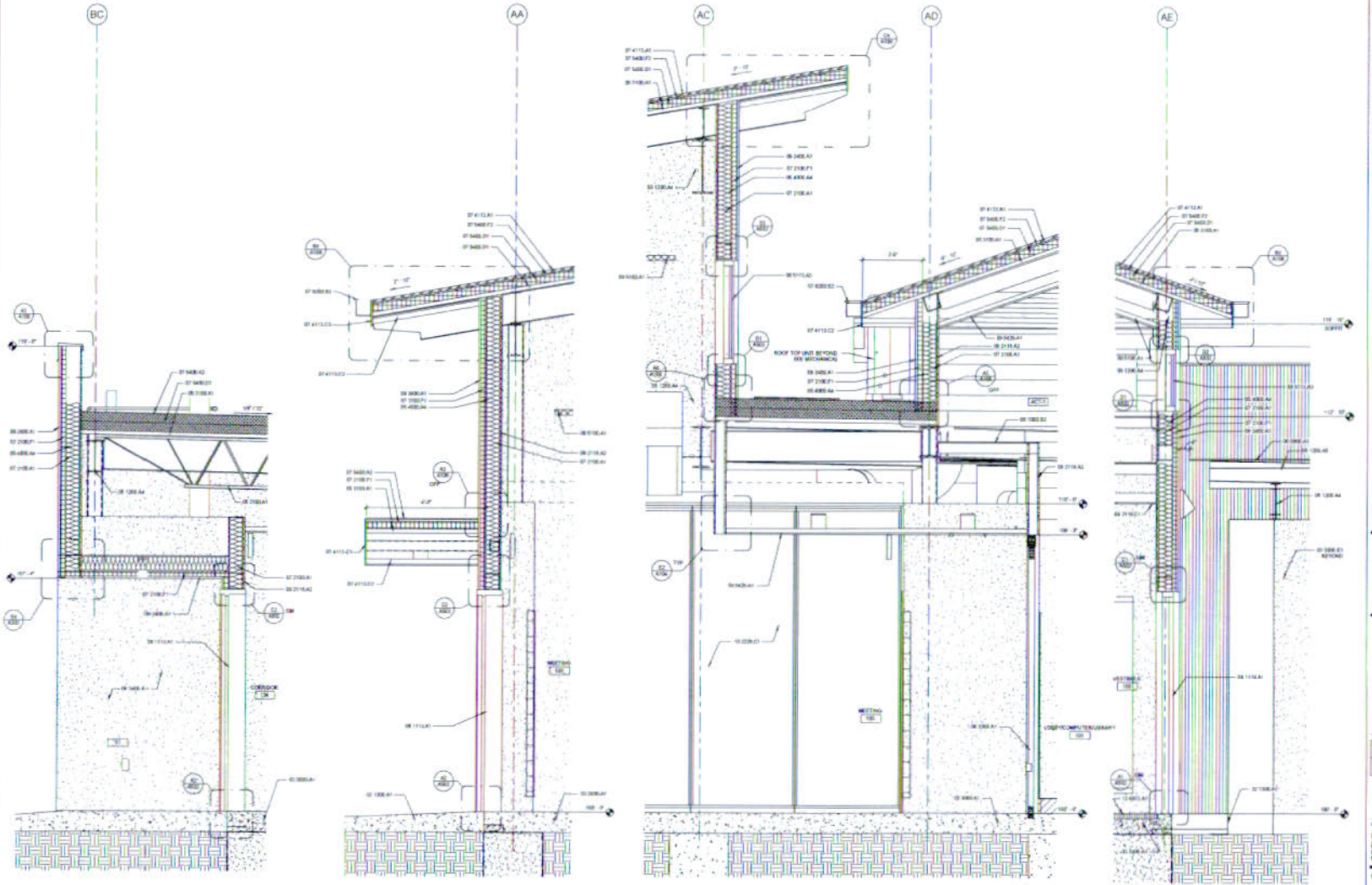


E4 EXTERIOR SOFFIT EDGE

E3 METAL WALL TERMINATION AT GRADE

E2 STUCCO TERMINATION AT FINISH GRADE

E1 STUCCO TERMINATION



A6 WALL SECTION

A5 WALL SECTION

A3 WALL SECTION

A1 WALL SECTION

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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KEYED NOTES

03 3000.A1	CONCRETE SLAB
03 3000.E1	CAST-IN-PLACE CONCRETE WALL
05 1200.A4	STEEL BEAM, SEE STRUCTURAL
05 1200.A5	TUBE, SEE STRUCTURAL
05 2100.A1	STEEL JOIST, SEE STRUCTURAL
05 3100.A1	STEEL DECK, SEE STRUCTURAL
05 4000.A1	METAL STUD TRACK, MATCH STUD WIDTH
05 4000.A4	METAL STUD FRAMING
06 0000.A1	TRANSLUCENT PANEL
06 1000.B2	1/2" PLYWOOD SHEATHING
07 2100.A1	BATT INSULATION
07 2100.F1	RIGID INSULATION BOARD
07 4113.A1	METAL ROOF SYSTEM
07 4113.C2	METAL SOFFIT CLADDING
07 4113.C3	METAL FASCIA PANEL
07 4264.A1	METAL COMPOSITE MATERIAL WALL PANEL SYSTEM
07 5400.A1	TPO ROOF MEMBRANE SYSTEM
07 5400.D1	RIGID ROOF INSULATION
07 5400.F2	5/8" GLASS MAT FACED GYPSUM ROOF BOARD
07 6200.A1	METAL DRIP EDGE
07 6200.B2	METAL GUTTER
07 9005.A1	CONTINUOUS JOINT SEALANT BEAD W/ BACKER ROD
08 1113.A1	HOLLOW METAL DOOR AND FRAME
08 2116.A2	ALUMINUM FRAME AND DOOR
08 3250.A1	SLIDING GLASS DOOR
08 5113.A2	ALUMINUM WINDOW
09 2116.A2	5/8" GYPSUM BOARD
09 2116.C1	SUSPENDED GYPSUM BOARD CEILING
09 0000.A1	STUCCO SYSTEM
09 2400.B1	LAMITAL STUCCO STOP
09 2400.B2	STUCCO VENTED DRAINAGE TRACK
09 5100.A1	SUSPENDED ACOUSTICAL CEILING TILE SYSTEM
09 6425.A1	LINEAR WOOD CEILING SYSTEM
10 2226.E1	FOLDING PANEL PARTITION
12 4813.A1	RECESSED ENTRANCE FLOOR MAT AND FRAME
32 1300.A1	CONCRETE SIDEWALK
32 1300.B2	1/2" EXPANSION JOINT

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Revision Schedule		
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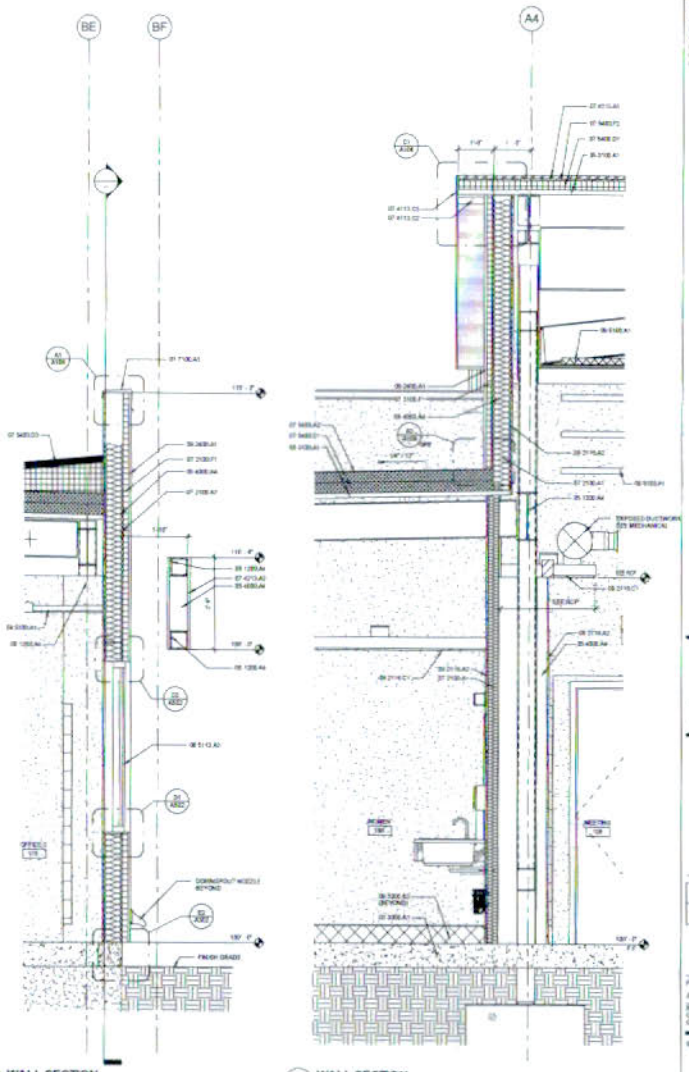
Sheet Title: WALL SECTIONS & DETAILS

Sheet Number: A302

Sequence of



A3 WALL SECTION

A2 WALL SECTION

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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JANUARY 16, 2017

KEYED NOTES

03-1000.A1	CONCRETE SLAB
05-1200.A4	STEEL BEAM, SEE STRUCTURAL
05-3100.A4	STEEL DECK, SEE STRUCTURAL
05-4000.A4	METAL STUD FRAMING
07-2100.A1	BATT INSULATION
07-2100.F1	RIGID INSULATION BOARD
07-4113.A1	METAL ROOF SYSTEM
07-4113.C1	METAL SOFFIT CLADDING
07-4113.C2	METAL FASCIA PANEL
07-4213.A2	METAL WALL PANEL
07-5400.A2	TPO ROOF MEMBRANE SYSTEM
07-5400.D1	RIGID ROOF INSULATION
07-5400.D3	TAPERED INSULATION GRADIENTS
07-5400.F2	1/8" GLASS MAT FACED GYPSUM ROOF BOARD
07-7100.A1	PREFINISHED METAL PARAPET COPING
08-5112.A1	ALUMINUM WINDOW
09-2116.A2	5/8" GYPSUM BOARD
09-2116.C1	SUSPENDED GYPSUM BOARD CEILING
09-2400.A1	STUCCO SYSTEM
09-3000.B2	PORCELAIN TILE BASE
09-5100.A1	SUSPENDED ACOUSTICAL CEILING TILE SYSTEM

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Revision Schedule

Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN BY | REVIEW BY

2016127 | Author | Designer

SUFFIX

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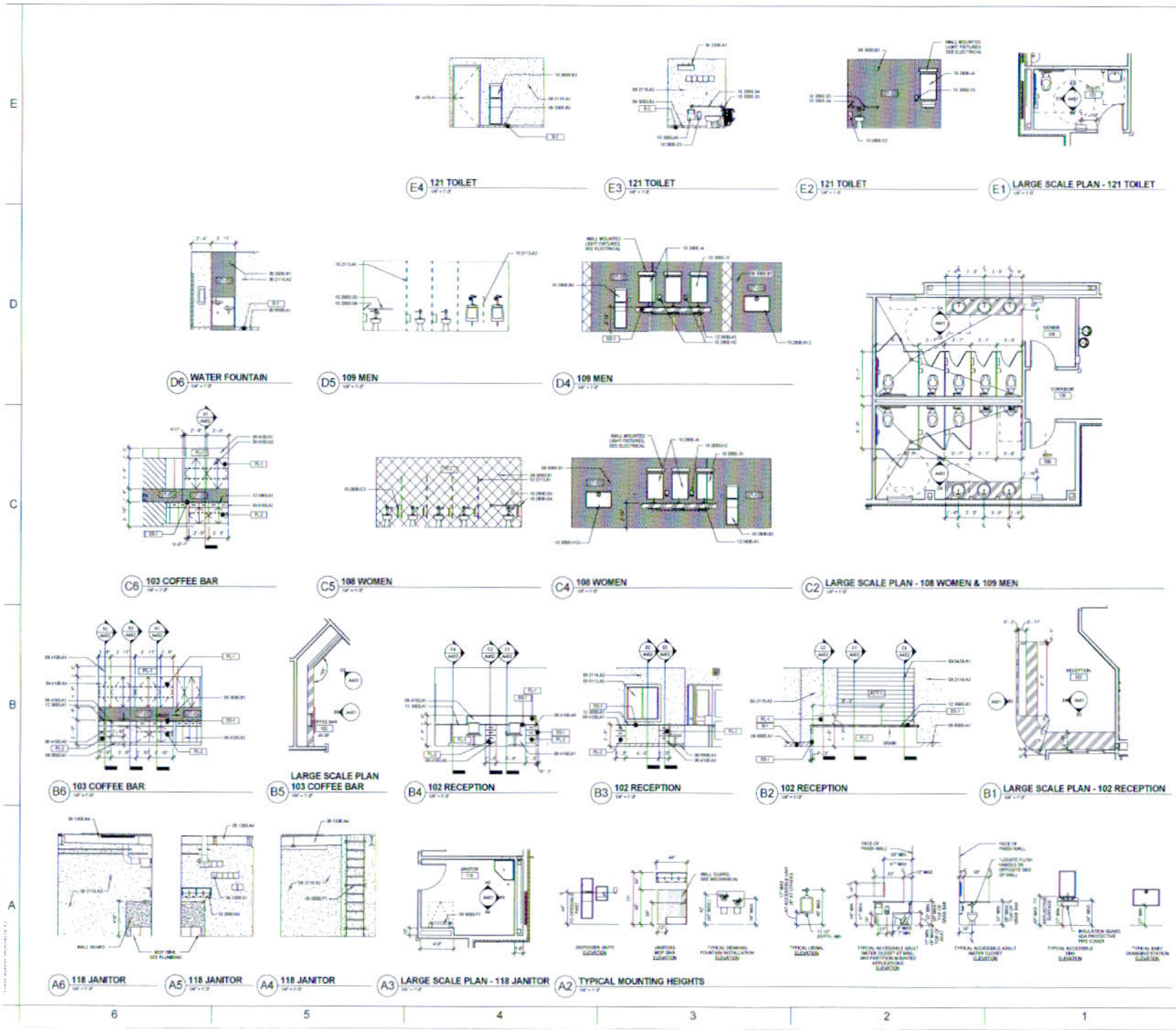
Sheet Title

WALL SECTIONS

Sheet Number

A303

Sequence of



TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

GENERAL NOTES

A. REFER TO NAVAJO FOR TYPICAL MOUNTING HEIGHTS.
B. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE NOTED.
C. CONTRACTOR SHALL PROVIDE BLOCKING AT ALL LOCATIONS OF WALL ATTACHMENTS, (WALL HUNG CABINETS, SHELVING, ACCESSORIES AND HARDWARE.
D. CONTRACTOR SHALL PROVIDE BLOCKING AT ALL LOCATIONS FOR OWNER PROVIDED EQUIPMENT. COORDINATE WITH OWNER.
E. CONTRACTOR SHALL REFER TO INTERIOR DRAWINGS FOR ALL FINISHES INCLUDING MATERIALS, COLORS AND PATTERNS.
F. CONTRACTOR SHALL COORDINATE ACCESSORY MOUNTING TYPE WITH LOCATIONS SHOWN ON PLAN.
G. AT ACCESSIBLE SINKS AND COUNTERTOPS ENSURE ALL EQUIPMENT RESTORING BUT NOT LIMITED PIPING, INSULATION, GARBAGE DISPOSAL EQUIPMENT ETC. DO NOT INTERFERE WITH UNDER COUNTER WHEELCHAIR ACCESSIBILITY.
H. PROVIDE GROMMETS AT ALL WORKSTATION/CASEWORK LOCATIONS, WHERE DATA AND POWER IS PROVIDED UNDER THE CASEWORK.
I. PROVIDE FILLER SPACES AT ALL OPEN CORNERS, BOTTOMS AND ALL VOIDS AT ALL CASEWORK LOCATIONS.
J. PROVIDE LAMINATE BASE AT ALL CASEWORK LOCATIONS PER SELECTION BY ARCHITECT.

KEYED NOTES

04 2300-A1	GLASS BLOCK
05 1200-A4	STEEL BEAM, SEE STRUCTURAL
05 5000-F1	METAL ACCESS LADDER
06 4100-A1	PLASTIC LAMINATE CASEWORK
06 4100-A2	PLASTIC LAMINATE BASE CABINET
06 4100-A3	PLASTIC LAMINATE WALL CABINET
06 4100-A5	PLASTIC LAMINATE DRAWERS
08 1415-A1	FLUSH WOOD DOOR
08 5113-A3	ALUMINUM WINDOW
09 2116-A2	5/8" GYPSUM BOARD
09 3000-B1	PORCELAIN TILE
09 3000-B2	PORCELAIN TILE BASE
09 5423-A1	LINEAR WOOD CEILING SYSTEM
09 6500-A1	RUBBER BASE
10 2113-A1	TOILET PARTITION
10 2113-A2	URINAL SCREEN
10 2800-A6	SANITARY WASTE DISPOSAL UNIT
10 2800-B1	SEMI-RECESSED TOWEL DISPENSER/WASTE RECEPTACLE
10 2800-C3	SURFACE MOUNTED TOILET TISSUE DISPENSER
10 2800-C5	36" GRAB BAR
10 2800-C6	42" GRAB BAR
10 2800-H2	SOAP DISPENSER
10 2800-H4	MOP AND BROOM HOLDER
10 2800-H12	BABY CHANGING STATION
10 2800-J3	FIXED ANGLE MIRROR
10 2800-J4	MIRROR
12 3600-A1	SOLID SURFACE COUNTERTOP

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Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER | DRAWN By | REVIEWER

DATE | Author | Designer

FILE TITLE
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Sheet Title
LARGE SCALE PLANS AND INTERIOR ELEVATIONS

Sheet Number
A401

Sequence of

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

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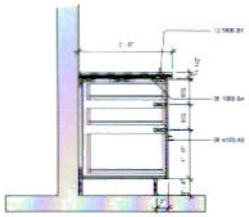
JANUARY 16, 2017

KEYED NOTES

09 4000.B1	METAL STUD TRACK, MATCH STUD WIDTH
09 5000.B1	STEEL SUPPORT
06 1000.B4	3/4" PLYWOOD SHEATHING
06 4100.A1	PLASTIC LAMINATE TASKWORK
06 4100.A2	PLASTIC LAMINATE BASE CABINET
06 4100.A3	PLASTIC LAMINATE WALL CABINET
06 4100.A4	PLASTIC LAMINATE COVERED SHELVES
06 4100.A5	PLASTIC LAMINATE DRAWERS
09 6500.A1	RUBBER BASE
12 3600.B1	COUNTERTOP, SEE FINISH SCHEDULE



D3 ADMINISTRATION DESK
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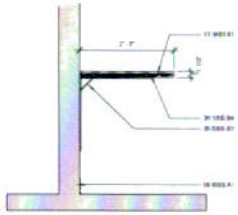

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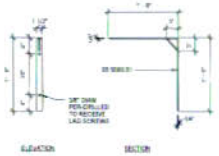

D1 COUNTERTOP METAL BRACE
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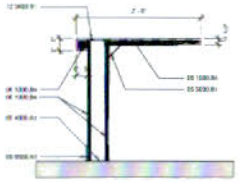

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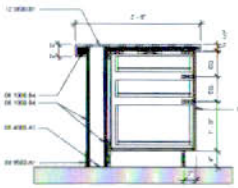

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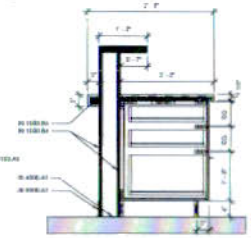

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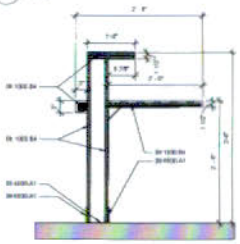
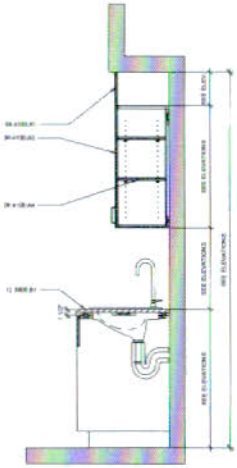
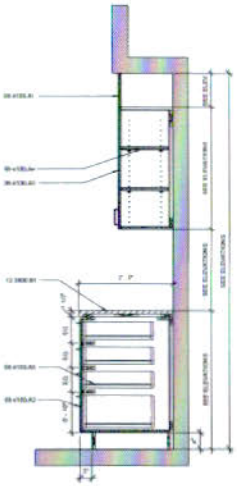
1" = 1'-0"



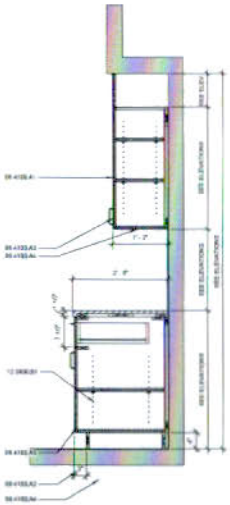
C1 ADMINISTRATION DESK
1" = 1'-0"



A3 TYPICAL CASEWORK
1" = 1'-0"



A2 TYPICAL CASEWORK
1" = 1'-0"



A1 TYPICAL CASEWORK
1" = 1'-0"

DYRON MURPHY ARCHITECTS, P.C.

4505 Montbar Place NE, Albuquerque, New Mexico 87107

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ARCHITECT

Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER	DRAWN BY	REVIEWED BY
2016.01	Author	Designer

EDIT FILE
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CASEWORK SECTIONS

Drawing Title

Sheet Number

A402

Designation

E

D

C

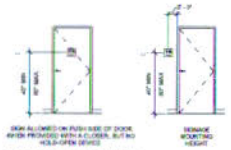
B

A

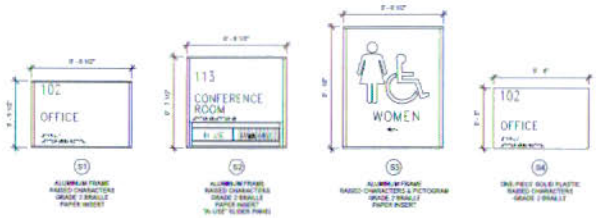
6 5 4 3 2 1

DOOR SCHEDULE

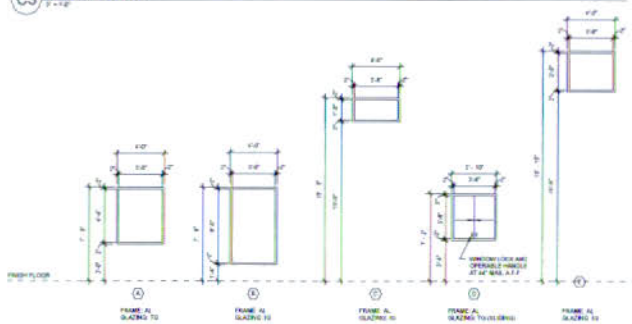
NO.	NAME	WIDTH	HEIGHT	THICKNESS	ELEVATION	DOOR MATERIAL	DOOR GLAZING	FRAME MATERIAL	FRAME GLAZING	LABEL	HARDWARE SET	DETAILS (ASC2) HEAD	JAMB	SILL	REMARKS	SIGNAGE SIGN NO.	TYPE	SIGN TEXT
100A	VESTIBULE	6' - 0"	7' - 0"	0' - 1 3/4"	8	ALUM	ITG	ALUM	ITG		1.0	C1	C3	A1		-		
100B	LOBBY/COMPUTER LIBRARY	6' - 0"	7' - 0"	0' - 1 3/4"	8	ALUM	TG	ALUM	TG		6.0	C1	C3	A1				
104A	MEETING	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			8.0	C4	B4	A4		104	B2	MEETING ROOM
104B	MEETING	3' - 0"	7' - 0"	0' - 1 3/4"	3	HM		HM	-		3.0	C2	B2	A2				
105A	MEETING	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			8.0	C4	B4	A4		105	B2	MEETING ROOM
105B	MEETING	6' - 0"	7' - 0"	0' - 1 3/4"	6	HM	-	HM			2.0	C2	B2	A4				
105C	MEETING	10' - 0"	9' - 0"	0' - 2 21/64"	8	ALUM	-	ALUM			17.0				FOLDING GLAZED DOOR			
106A	MEETING	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			8.0	C4	B4	A4		106	B2	MEETING ROOM
106B	MEETING	3' - 0"	7' - 0"	0' - 1 3/4"	3	HM	-	HM			3.0	C2	B2	A2		-		
106C	MEETING	10' - 0"	9' - 0"	0' - 2 21/64"	8	ALUM		ALUM			17.0				FOLDING GLAZED DOOR			
107	CHAIR STORAGE	6' - 0"	7' - 0"	0' - 1 3/4"	10	WD	-	HM			7.0	C4	B4	A4		107	B4	STORAGE
108	WOMEN	3' - 0"	7' - 0"	0' - 1 3/4"	1	WD	TG	HM			14.0	C4	B4	A4		108	B3	WOMEN
109	MEN	3' - 0"	7' - 0"	0' - 1 3/4"	1	WD	TG	HM			14.0	C4	B4	A4		109	B3	MEN
110	RENTAL	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			12.0	C4	B4	A4		110	B1	TBD
111	CLASSROOM	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			12.0	C4	B4	A4		111	B1	CLASSROOM
112	YOUTH AND WELLNESS	6' - 0"	7' - 0"	0' - 1 3/4"	6	WD	TG	HM			11.0	C4	B4	A4		112	B1	YOUTH & WELLNESS
113	CONF	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			14.0	C4	B4	A4		113	B2	CONFERENCE ROOM
114	OFFICE 1	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			12.0	C4	B4	A4		114	B1	OFFICE
115	OFFICE 2	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			12.0	C4	B4	A4		115	B1	OFFICE
116	OFFICE 3	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			12.0	C4	B4	A4		116	B1	OFFICE
118	JANITOR	3' - 0"	7' - 0"	0' - 1 3/4"	1	WD		HM			13.0	C4	B4	A4		118	B4	JANITOR
119	OFFICE 5	3' - 0"	7' - 0"	0' - 1 3/4"	2	WD	TG	HM			12.0	C4	B4	A4		119	B1	OFFICE
120	MECH/ELEC	6' - 0"	7' - 0"	0' - 1 3/4"	4	HM	-	HM			5.0	C2	B2	A2		120	B4	MECHANICAL / ELECTRICAL
121	TOILET	3' - 0"	7' - 0"	0' - 1 3/4"	1	WD	TG	HM			16.0	C4	B4	A4		121	B3	RESTROOM
122	IT	3' - 0"	7' - 0"	0' - 1 3/4"	3	HM	-	HM	-		13.0	C2	B2	A2		122	B4	IT ROOM
123	FILES/STORAGE	3' - 0"	7' - 0"	0' - 1 3/4"	3	HM		HM		20 MIN	10.0	C4	B4	A4		123	B4	FILES / STORAGE
124A	CORRIDOR	3' - 0"	7' - 0"	0' - 1 3/4"	1	WD	TG	HM	-		9.0	C4	B4	A4		-	-	
124B	CORRIDOR	3' - 0"	7' - 0"	0' - 1 3/4"	3	HM		HM			4.0	C2	B2	A2		-	-	
124C	CORRIDOR	3' - 0"	7' - 0"	0' - 1 3/4"	3	HM	-	HM			4.0	C2	B2	A2		-	-	
124D	CORRIDOR	3' - 0"	7' - 0"	0' - 1 3/4"	3	HM	-	HM	-		4.0	C2	B2	A2		-	-	
125	CORRIDOR	3' - 0"	7' - 0"	0' - 1 3/4"	3	HM	-	HM	-		4.0	C2	B2	A2		-	-	



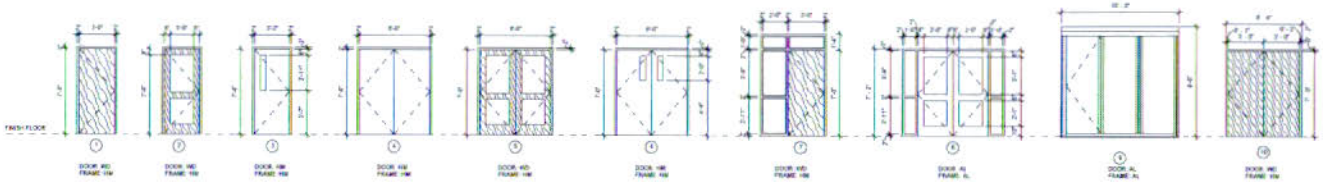
C4 SIGNAGE HEIGHTS



C3 SIGNAGE TYPES



B3 WINDOW TYPE LEGEND



A5 DOOR TYPE LEGEND

TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

GENERAL NOTES

A. VERIFY ALL OPENING DIMENSIONS PRIOR TO FABRICATION.
B. SEE SPECIFICATIONS FOR HARDWARE SCHEDULE.
C. SEE SPECIFICATIONS FOR GLAZING SCHEDULE.
D. PROVIDE FIRE RATED GLAZING AT INTERIOR WINDOWS AS REQUIRED AT ALL LOCATIONS WHERE GLAZING IS WITHIN A FIRE RATED PARTITION. REFER TO LIFE SAFETY PLANS FOR ADDITIONAL INFORMATION.
E. TEMPER (SAFETY) GLASS ALL INNER LIGHTS FROM FINISH FLOOR TO 18" ABOVE AND WITHIN 12" OF A DOOR, TYPICAL.
F. PROVIDE BLADES AT ALL INTERIOR AND EXTERIOR WINDOWS.
G. PROVIDE CLEAN APPLICATION OF SEALANT AROUND WINDOW AND DOOR FRAMES AT INTERIOR AND EXTERIOR SIDES. INTERIOR SEALANT BEAD WIDTH SHALL BE 1/4" WIDE MINIMUM. EXTERIOR SEALANT BEAD WIDTH SHALL BE 1/2" WIDE MINIMUM.
H. USE OF WIRED GLASS SHALL NOT BE PERMITTED.
I. CONTRACTOR SHALL COORDINATE THE SMOKE RESISTANCE AND/OR FIRE-RESISTANCE RATINGS OF DOORS AND WINDOWS INDICATED ON THIS SHEET WITH THE RATED ASSEMBLIES INDICATED ON THE LIFE SAFETY PLAN. IN THE CASE OF ANY DISCREPANCIES IN FIRE OR SMOKE RESISTANCE RATINGS, THE MOST RESTRICTIVE SHALL GOVERN.
J. SEE STRUCTURAL FOR HEADER DETAILS AND SCHEDULE.

DOOR LEGEND

HM HIGH COMMERCIAL
AL ALUMINUM STOREFRONT

GLASS TYPE LEGEND

IG INSULATED GLASS
TG TEMPERED (SAFETY) GLASS - CLEAR U.N.O.
ITG INSULATED TEMPERED GLASS
FG FIRE-RATED GLASS
SG SPANDREL GLASS

FRAME MATERIAL LEGEND

HM COMMERCIAL HOLLOW METAL
ALUM ALUMINUM

NOTES:

1. 90 MIN HOUR DOORS IN FRAMES WITH SIDELITES, GLASS REQUIRED A 90 HOUR RATING.

DYRON MURPHY ARCHITECTS, P.C.

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ARCHITECT

Revision Schedule		
Revision Number	Revision Date	Revision Description

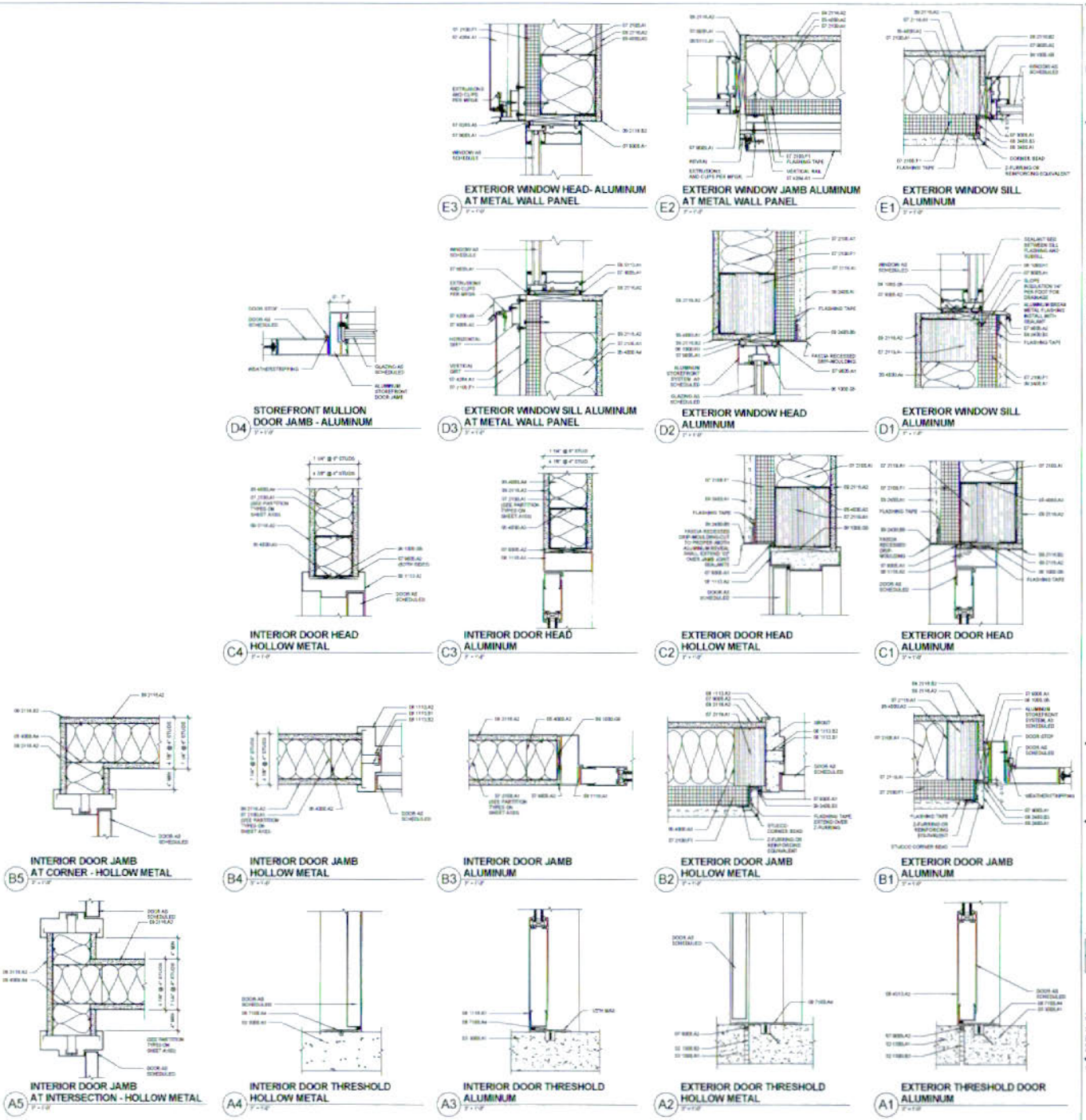
PROJECT NUMBER 2016.07 | Drawn By Author | PM Lead/P Designer

BIM FILE C:\Revit Local\TONALEA CHAPTER_dmurphy@dmarchitects.com.rvt

Sheet Number

A501

DOOR and WINDOW TYPES and SCHEDULES



TONALEA CHAPTER REPLACEMENT BUILDING

INDIAN ROUTE 21, TONALEA, ARIZONA

100 % CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

KEYED NOTES

03 3000.A1	CONCRETE SLAB
05 4000.A1	METAL STUD TRACK, MATCH STUD WIDTH
05 4000.A2	METAL STUD JAMB
05 4000.A3	METAL STUD HEADER, SEE STRUCTURAL
05 4000.A4	METAL STUD FRAMING
06 1000.A1	WOOD SHIM
06 1000.B1	TREATED WOOD BLOCKING
07 2100.A1	BATT INSULATION
07 2100.F1	RIGID INSULATION BOARD
07 2100.A3	FOAMED-IN-PLACE INSULATION
07 4200.A1	METAL COMPOSITE MATERIAL WALL PANEL SYSTEM
07 6200.A2	METAL FLASHING
07 9000.A1	CONTINUOUS JOINT SEALANT BEAD W/BACKER ROD
07 9000.A2	SEALANT CONTINUOUS
08 1110.A2	HOLLOW METAL FRAME
08 1110.B1	METAL FRAME CLIP ANCHOR
08 1110.B2	JAMB ANCHOR 1 PER JAMB, U-Ø-0
08 1110.A3	ALUMINUM FRAME AND DOOR
08 4110.A2	ALUMINUM FRAME
08 4310.A2	ALUMINUM FRAMED STOREFRONT DOOR
08 6110.A1	ALUMINUM WINDOW FRAME
08 7100.A4	DOOR THRESHOLD
09 2116.A2	5/8" GYPSUM BOARD
09 2116.B2	GYPSUM BOARD CORNER BEAD
09 3400.A1	STUCCO SYSTEM
09 3400.B3	J-METAL STUCCO STOP
09 3400.B6	STUCCO-WEEP SCREED
32 1300.A1	CONCRETE SIDEWALK
32 1300.B2	1/2" EXPANSION JOINT

DYRON MURPHY ARCHITECTS, P.C

6505 Montgomery Place NE, Albuquerque New Mexico 87107

NOT FOR CONSTRUCTION

ARCHITECT

Revision Schedule		
Revision Number	Revision Date	Revision Description

PROJECT NUMBER 2016.07 | DRAWN BY Author | REVIEWED BY Designer

PROJECT ADDRESS
C:\Users\Lucas\Tonalea
CHAPTER_shortel@navajo-nsn.gov

DOOR & WINDOW DETAILS

Sheet Number

A502

Sheet of

TONALEA CHAPTER REPLACEMENT BUILDING

NAVAJO NATION

TONALEA, ARIZONA

PROJECT MANUAL

-

100% CONSTRUCTION DOCUMENTS

JANUARY 16, 2017

DMA PROJECT No. 2016.07

DYRON MURPHY ARCHITECTS, P.C.
4505 Montbel Place NE
Albuquerque, New Mexico 87107

(505) 830-0203 phone
(505) 830-0237 fax
www.dm-architects.com

TONALEA CHAPTER REPLACEMENT BUILDING
Tonalea, Navajo Nation, Arizona
PROJECT MANUAL
TABLE OF CONTENTS

I. BID FORMS AND DOCUMENTS

A. Invitation to Bid
B. Instructions to Bidders
C. Bid Form
D. Bid Bond
E. Subcontractor List Form
F. Form of Non-Collusive Affidavit

II. CONTRACT FORMS

A. AIA Document A101, 2007 Ed., *"Agreement Between Owner and Contractor" (sample only)*
B. Contract Forms, Bonds and Certificates

III. CONTRACT CONDITIONS

A. AIA Document A201 (2007) *"General Conditions of the Contract for Construction"*, (Draft Only)
B. *"Navajo Nation Supplemental General Conditions"*, Supplement to AIA A201 (Sample)

EXHIBITS
1. Navajo Nation Business Preference Law
2. Navajo Nation Business Opportunity Act Source List-Certified Navajo Business
3. Navajo Preference in Employment Act Requirements
4. Navajo Nation Tax Law
5. Navajo Nation Water Code
6. Navajo Nation Solid Waste Code
7. Navajo Nation Occupational Safety and Health Act
8. Wage Determination Schedule, with corresponding attachments

C. Geotechnical Report
D. Navajo Tribal Utility Authority (NTUA) - Navajo Area Standards & Construction Requirements Technical Specifications for Materials and Workmanship for Water and Wastewater Facilities - March 2002 – (Documents Included by Reference - PDF version available upon request)
E. Navajo Tribal Utility Authority (NTUA) Electric Construction Standards - (Documents Included by Reference - PDF version available upon request)

IV. TECHNICAL PROVISIONS

A. Table of Contents
B. Specifications - Divisions 01 through 33

INVITATION TO BID

The Tonalea Chapter (the "Owner"), invites general contractors to prepare and submit bids for the construction of the Tonalea Chapter Replacement Building. The site is located on Indian Route 21 approximately ½-mile northwest of the U.S. Highway 160 intersection in Tonalea, Navajo Nation, Arizona.

The work includes the construction of a single story (approximately 8,460 square feet) office facility consisting of meeting and conference rooms, offices, classroom, restrooms, a coffee bar and other miscellaneous support spaces.

The construction contract will be awarded on a lump-sum basis. Bidders are subject to the Navajo Nation Business Preference Law; Title 5, Navajo Tribal Code, Section 201 through 218 and other applicable Navajo Nation Laws. Each bid must be submitted in accordance with Bidding Documents prepared by the Project Architect, Dyron Murphy Architects, P.C., Albuquerque, NM, (505) 830-0203.

Bids shall be sealed, labeled, and filed with the Navajo Nation Division of Community Development / Capital Project Management Department (NN DCD/CPMD), on or before March 01, 2017 by 4:00 PM MST at Administration Building #2, Window Rock Blvd. Window Rock, Arizona 86515. Bids received after the specified date and time will not be accepted and returned unopened. No faxed or emailed bids will be accepted. Bids received by the Owner will be opened and announced at the above mentioned time and location.

Bid Documents may be obtained from ALBUQUERQUE REPROGRAPHICS, 4716 McCleod NE, Albuquerque, NM 87109. Bid sets are available at a rate of $150.00 (refundable upon return) deposit, cash or check payable to Dyron Murphy Architects, P.C. Additional sets may be purchased. Shipping charges are the sole responsibility of the Bidder requesting documents and deposits must be received prior to shipping. Facsimile reproductions of checks are not acceptable representations of deposits.

Bid documents may be examined at the following locations:

Construction Reporter, 1607 2nd St., NW, Albuquerque, NM 87107
F.W. Dodge Corporation, 1615 University Ave., NE, Albuquerque, NM 87102
The Plan Room at Sun Glass, Inc., 602 W Main, Farmington, NM 87401

Questions regarding this project should be addressed to Dyron Murphy Architects, P.C., 4505 Montbel PL NE, Albuquerque, NM 87107, and Telephone: (505) 830-0203, Fax: (505) 830-0237. A pre-bid conference is scheduled at the Tonalea Chapter project site on February 15, 2017 at 11:00 AM local time. Representatives from the Owner and Architect will be in attendance to address questions. It is strongly suggested that all interested parties attend this meeting.

This "Invitation to Bid" does not commit the Owner to reimburse any costs incurred by the Bidder in the preparation of Bids or for procurement of supplies. The Owner reserves the right to reject any and all bids, to waive any informalities or irregularities when it is in the best interest of the Owner. No Bidder may withdraw his/her bid for a period of 120 days after the date of opening thereof. Bid security in the amount of 10 percent of the bid amount is required. Award announcement will be determined after bid opening date, or at the Owner's convenience.

End of Invitation to Bid

INSTRUCTIONS TO BIDDERS

1.0 DEFINITIONS

1.1 **PROJECT**: The Project consists of the complete construction of the Tonalea Chapter Replacement Building at Tonalea, Navajo Nation, Arizona, by a Bidder, for a Lump Sum Price agreed to by the most responsive Bidder and the Owner.

1.2 **OWNER:** The Tonalea Chapter (the "Owner"), Tonalea, Navajo Nation, Arizona

Address: Tonalea Chapter, Navajo Nation
P.O. Box 207
Tonalea, Arizona 86044
Telephone: (928) 283-3730, Fax: (928) 283-3435.
Representative: Betty Tso, Tonalea Chapter, AZ

Will receive bids on or before March 01, 2017 by 4:00 PM MST from general contractors for the construction of the Tonalea Chapter Replacement Building at the office of the Owner's Lead Agent – The Navajo Nation Division of Community Development / Capital Project Management Department (NN DCD/CPMD).

1.3. **OWNER'S LEAD AGENT:** The Navajo Nation Division of Community Development / Capital Project Management Department (NN DCD/CPMD), Window Rock, Arizona, is designated as the Owner's Lead Agent and administrative officer on behalf of the Owner.

Address: Navajo Nation Division of Community Development
Capital Project Management Department
P.O. Box 610
Window Rock, Arizona 86515
Telephone: (928) 871-6734, Fax: (928) 871-6098.
Representative: _____, Project Manager

1.4 **OWNER'S FUNDING AGENT:** The _____ will monitor the construction administrative process in accordance with Federal guidelines and will provide cursory oversight during construction and issue periodic payments to the contractor as advised by the Architect and its primary representative.

Address: To be determined by addendum.

1.5 **ARCHITECT:** Architectural firm retained by the Owner to assist in development of the Tonalea Chapter Replacement Building project whose responsibilities under this Project includes:

a. Review of Bids submitted in accordance with Bid Documents.
b. Review of design information submitted by Bidders.
c. Provides recommendations of technical nature to Owner regarding design and construction matters.
d. Issues Bid Documents and makes clarifications, issues addenda, reviews requests for substitutions, and/or receives bids.
e. Issues relevant design data, e.g., drawings or specifications for project.
f. Assists Owner in contract issuance and negotiations with selected successful Bidder.
g. Provides Construction Administration and Observation services on behalf of Owner during construction.
h. Assists Owner during contract closeout procedures.
i. Assists Owner during conferences and meetings prior to receipt of Bids, during contract negotiations, and during construction.
j. Reviews and approves construction submittals.
k. Reviews and approves construction pay requests.

Address: Dyron Murphy Architects, PC
4505 Montbel PL NE
Albuquerque, New Mexico 87107
Telephone: (505) 830-0203, Fax: (505) 830-0237
Representatives: Dyron V. Murphy, AIA, Principal
Nitish Suvarna, AIA, Project Manager

1.6 **BIDDER:** A builder, contractor, or developer acting as the primary agent responsible for submitting a bonafide written Bid for a prime contract with the Owner for the Project described in the Proposed Contract Documents. The Bid shall include all required costs, e.g., labor, travel, materials, reimbursable expenses, overhead expense, profit, and related costs to provide complete construction services associated with the development of the Project. The Bidder shall be responsible for administering all aspects of the work and contract requirements. A representative shall be designated to act on behalf of the Bidder to enter into agreements, provide direction, and adjudicate matters related to construction issues under the contract.

1.7 **BID DOCUMENTS:** General documents which are issued by the Owner and describe the process for executing the Project, include, but are not limited to the following:

CONTRACT DOCUMENTS:

a. Invitation to Bid
b. Instructions to Bidders.
c. Bid Form.
d. Subcontractor List Form.

e. Affidavit of Non-Collusion.
f. Agreement Forms (AIA A101/A201).
g. Navajo Nation Supplemental General Conditions of the Contract for Construction.
h. Navajo Nation government forms, statutes, or filing requirements as included herein.
i. Wage Rate Determination.

TECHNICAL PROVISIONS

a. Geotechnical Report.
b. Navajo Tribal Utility Authority Standards and Construction Requirements.
c. Storm Water Pollution Prevention Plan (SWPPP)
d. Project Specifications.
e. Project Drawings.

1.8 **ADDENDA**: Written or graphic instruments issued by the Architect prior to the submission of Bids which modify or interpret the Bid Documents by additions, deletions, clarifications or corrections.

1.9 **BID**: A complete and properly signed Bid to complete the Project for the Lump Sum Price agreed upon therein, supported by information or forms called for by the Bid and Contract Documents. The Bid shall include the following submittal documents in order to be considered for this contract:

a. Bid Form, sealed.
b. Affidavit of Non-Collusion, notarized.
c. Bid Bond in amount of 10% of Bid entered, including Name and Address of bonding company, and limits of Bonding at time of Bid Submittal.
d. Current Navajo Nation Business Preference Certificate.
e. Power of Attorney, if necessary.
f. Evidence of General Construction Licensure for the State of Arizona, including active dates.
g. AIA Document A305, 1986 Ed., "Contractor's Qualification Statement."
h. Subcontractor's List Form indicating Navajo-owned companies, if applicable.
i. Certificates of General Liability and Workman's Compensation Insurance, indicating coverage amounts, both Aggregate and Per Incident.

2.0 BIDDER'S REPRESENTATION

2.1 Each Bidder by making his/her Bid represents that:

A. He/she has read and understands the Bid Documents and their Bid is made in accordance within.
B. He/she have visited the site and have familiarized him/her with the local conditions under which the Project is to be performed.
C. His/her Bid is based upon the materials, labor, transportation, systems and equipment proposed in his/her interpretations and assumptions described by his/her design submittal as part of his/her Bid, and other pertinent information contained in the Bid Documents.

3.0 BID DOCUMENTS

3.1 Copies: Bidders may obtain sets of the Bid Documents for the deposit sum, and at the location stated in the Invitation to Bid. The deposit will be refunded as stipulated in the Invitation to Bid. A Bidder receiving a contract award may retain the Bid Documents and his/her deposit will be refunded.

A. Information contained in the Bid Documents shall be used by the Bidder in preparation of his/her Bid pricing and construction documents; neither the Owner nor the Architect assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.
C. The Owner or the Architect, in making copies of the Bid Documents available on the above items, do so only for the purpose of obtaining Bids on the Project and do not confer a license or grant for any other use.

3.2 Interpretation or Correction of Bid Documents

A. Bidders shall promptly notify the Architect of any ambiguity, inconsistency or error, which they may discover upon examination of the Bid Documents, or of the site and local conditions.
B. Bidders requiring clarification or interpretation of the Bid Documents shall make a written request to the Architect at least Seven (7) calendar days prior to the date for receipt of Bids. Requests for clarification received less than seven (7) days before the date for receipt of Bids will not be addressed by the Owner or Architect.
C. Any interpretation, correction or change of the Bid Documents will be made by Addendum. Interpretations, corrections or changes of Bid Documents made in any other manner will not be binding, and Bidders shall not rely upon such interpretations, corrections or changes.

3.3 Substitutions

A. The materials, products and equipment described in the Bid Documents establish a standard of required performance, function, dimension, appearance and quality to be met by any proposed substitution. Materials, products, or equipment by other manufacturers and vendors deemed to adequately perform the duties imposed by the general design intent will be considered equally acceptable provided the material, equipment, or product so proposed is, in the opinion of the Architect, of equal performance and function. The burden of proof of the merit of the proposed substitute is upon the Bidder. The Architect's decision of approval or disapproval, after consultation with the Owner, of a proposed substitution shall be final. No substitution shall be purchased or installed by the Contractor without the Architect's written approval.

B. It shall be the responsibility of the Bidder to provide and pay for all modifications that may be required of other trades, which may add to their costs, brought about by substitutions and/or options after the contract has been let. No additional costs shall be assessed to the Owner.

C. Substitution Bids which deviate from those materials, equipment, or products described in the Bid Documents shall be noted on the drawings or proposed method of construction in the Bidders Bid package.

D. A request for a substitution constitutes a representation that the Bidder:

1. Has investigated the proposed product and determined that it is equal to or superior in all respects to that specified.
2. Will provide the same warranties or bonds for the substitution as for the product specified.
3. Will coordinate the installation of any accepted substitution into the Project and make such other changes as may be required to make the Project complete in other respects.
4. Will not increase the maximum contract price. Where substitutions of materials are deemed acceptable and are of lesser value than the established standards, a cost credit from the Bidder to the Owner shall be applied to the maximum contract price.

3.4 ADDENDA

A. All who are known by the Architect to have received a complete set of Bid Documents will be notified of any Addenda issuance and place of availability for pickup. The Bidder shall provide a working fax number and/or email address where addenda may be transmitted for receipt by the Bidder.

B. Copies of Addenda will be made available for inspection wherever Bid Documents are on file for that purpose.

C. No Addenda will be issued later than two (2) days prior to the date for receipt of Bids except an Addendum, if necessary, postponing the date for receipt of Bids or withdrawing the request for Bids.

D. Each Bidder shall ascertain, prior to submitting his/her Bid, which he/she has received all Addenda issued, and he/she shall acknowledge receipt of all issued Addenda on the Form of Bid.

4.0 BID PROCEDURE

4.1 Form and Style of Bids

A. Bids shall be submitted on the form(s) provided in the Bid Documents.
B. All blanks on the Bid Form shall be filled in by typewriter or legibly in ink.
C. Where so indicated by the makeup of the Bid Form, sums shall be expressed in both words and figures, and in case of discrepancy between the two, the written amount shall govern.
D. Any interlineation, alteration or erasure must be initialed by the signer of the Bid.
E. Bidders shall make no additional stipulations on the Bid Form, nor qualify his/her Bid in any other manner.
F. Each Bid shall include the legal name of the Bidder and a statement whether the Bidder is a sole proprietor, a partnership or a corporation, or any other legal entity and shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid by a corporation shall further list the State of incorporation and have the corporate seal affixed. A Bid submitted by an agent shall have a current Power of Attorney attached certifying the agent's authority to bind Bidder.

4.2 Bid Security

A. Each Bid shall be accompanied by a Bond or Cashier's Check in the required form and amount pledging that the Bidder will enter into a Contract with the Owner on the terms stated in his/her Bid and will furnish bonds as described hereunder in Article 8 covering the faithful performance of the Contract and the payment of all obligations arising thereunder. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds, the amount of the Bid Bond shall be forfeited to the Owner as liquidated damages, not as a penalty.
B. The Bond shall be prepared on the forms in the Bid Document, issued by a surety licensed to do business in the State of Arizona listed on the current U.S. Treasury Surety List and acceptable to the Owner. The Attorney-In-Fact that executes the Bond on behalf of the Surety shall affix to the Bond a certified and current copy of his Power of Attorney.
C. The Owner will have the right to retain the Bid Security of Bidders until either (a) the Contract, has been executed and bonds have been furnished, or (b) the specified time has elapsed so that Bids may be withdrawn or (c) all Bids have been rejected.

4.3 Submission of Bids

A. All copies of the Bid, the Bid Security and any other documents required to be submitted with the Bid shall be enclosed in a sealed opaque envelope. The envelope shall be addressed as follows:

Navajo Nation Division of Community Development Attn: Capital Project Management Department P.O. Box 610 Window Rock, Arizona 86515 **Bid Package for the** **Tonalea Chapter Replacement Building** **DO NOT OPEN**

If the Bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "BID ENCLOSED" on the face, thereof. Neither the Owner nor Architect assume responsibility for Bids delivered after the time and date of the Bid opening.

B. Bids shall be deposited at the designated location prior to the time and date for receipt of Bids indicated in the Invitation to Bid, or any extension thereof made by Addendum. Bids received after the time and date for receipt of Bids will be returned unopened.

C. Oral, telephonic, telegraphic, emailed, or faxed Bids are invalid and will not be considered.

D. Failure to include all required Bid Documents as stipulated will be cause for disqualification.

4.4 Modification or Withdrawal

A. A Bid may not be modified, withdrawn, or canceled by the Bidder during the stipulated time period following the time and date designated for the receipt of Bids, and Bidder so agrees in submitting the Bid.

B. Bids submitted early may be modified or withdrawn prior to the time designated for receipt of Bids.

C. Withdrawn Bids may be resubmitted up to the time designated for the receipt of Bids provided that they are then fully in conformance with these Instructions to Bidders.

4.5 Owner's Bid Declarations

A. It is the intent of the Owner to award a contract to the most qualified responsible Bidder, provided Bid has been submitted in accordance with the requirements of the Bid Documents and does not exceed the funds available. The Owner shall have the right to take such steps, as it deems necessary to determine the ability of the Bidder to perform the Project.

Bidders shall furnish to the Owner such additional information and data for purpose as Owner may request.
Owner reserves the right to reject any or all Bids that in the Owner's sole judgment are in the Owner's best interest.

4.6 Pre-Bid Conference

A. The Owner has scheduled a non-mandatory pre-bid conference on February 15, 2017 at 11:00 am local time. It remains the responsibility of the Bidder to exhibit due diligence in determining specific criteria and requirements related to this Bid procurement process and submittal.

5.0 CONSIDERATION OF BIDS

5.1 Receipt of Bids

A. Bids will be received at the office of the Owner, on the date and time specified on the Invitation to Bid. The Bids will be opened and read aloud in the presence of the Owner's Representative. The Bids will be evaluated by the Owner thereafter to determine compliance with the bid documents.

5.2 Rejection of Bids

A. The Owner has the right to reject any or all Bids, reject a Bid not accompanied by any required Bid Security, or data required by the Bid Documents or a Bid, which is in any way incomplete or irregular. Conditional Bids will not be accepted.

5.3 Acceptance of Bid

A. The Owner has the right to waive any informality or irregularity in any Bid received.
B. It is the intent of the Owner to award a Contract to the most qualified responsible Bidder provided the Bid has been submitted in accord with the requirements of the Bid Documents and is judged to be reasonable.
C. If the Bid is within the amount of the funds available to finance the construction contract, then the contract award will be made to that responsible Bidder submitting the low Bid.
D. The Bid arena is open to all Navajo-owned general contractors who are registered with the Navajo Nation Business Regulatory Office in Window Rock, Arizona. Bids will be administered in direct compliance with the Navajo Nation Business Preference Law.

6.0 QUALIFICATIONS OF BIDDER

6.1 Submission of Qualification Information

A. The Bidder is required to submit a properly executed AIA Document A305, 1986 Edition "Contractor's Qualification Statement." The Owner reserves the right to reject any Bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the Project contemplated herein.

7.0 SUB-BIDDERS

7.1 Listing of Subcontractors and Suppliers

A. The Bidder shall list the Subcontractors or material suppliers they propose to use for all trades or items supplied, on the "Subcontractor List Form" attached.

1. The Bidder shall not list itself as the supplier or the Subcontractor for any trade unless he has previously performed Project of this type or can prove to the Architect's satisfaction that he/she actually has, or will obtain, fully adequate facilities and plans to perform the Project with his/her own forces.
2. Omission or non-compliance with the intent of the "Subcontractor List Form" will be grounds for considering a Bid as non-responsive.
3. Subcontractors, Suppliers or other Bidders who feel that the apparent low Bidder has not complied with the intent of these listing requirements must notify the Architect within 24 hours after the Bid Opening of their intent to file an appeal, and submit their reasons in writing within 48 hours after Bid Opening. All decisions of the Architect will be final.
4. The apparent low Bidder's "Subcontractor List Form" may be divulged to interested parties following the receipt of Bids, or at the Owner's discretion.
5. The Bidder will, upon request, be required to establish to the satisfaction of the Architect and the Owner the reliability and responsibility of the proposed Subcontractors to furnish and perform the Project described in the Sections of the Specifications pertaining to the proposed Subcontractors respective trades.
6. Prior to the award of the Contract, the Architect will notify the Bidder, in writing, if either the Owner or the Architect, after due investigation, has reasonable and substantial objection to any person or organization on such list. If the Owner or Architect has a reasonable and substantial objection to any person or organization on such list, and refuses in

writing to accept such person or organization, the Bidder may, at their option, (1) withdraw their Bid, or (2) submit an acceptable substitute Subcontractor with no increase in the Bid price. In the event of withdrawal under this Subparagraph, Bid Security will not be forfeited, notwithstanding anything to the contrary in Paragraph above.

B. Subcontract awards shall be bound with the provisions outlined in the "Labor and Wage Standards", contained in the Contract Conditions section of the Bid Package.

8.0 PERFORMANCE BOND AND LABOR AND MATERIAL PAYMENT BOND

8.1 Security for Faithful Performance

A. The Bidder shall furnish and maintain bonds covering the faithful performance of the Contract, and the payment of all obligations arising thereunder, in an amount equal to one hundred percent (100%) of the Contract Sum as adjusted, and with such sureties secured through the Bidder's usual sources, licensed to do business in the State of Arizona and as may be agreeable to the parties.

8.2 Time of Delivery and Form of Bonds

A. The Bidder shall deliver the required bonds to the Owner within ten (10) calendar days of receipt of written notice of award. If the Project must commence prior thereto, in response to a letter of Notice to Proceed from the Owner, the Bidder shall, prior to commencement of Project, submit evidence satisfactory to the Owner that such bonds will be furnished.

B. The bonds shall be written on the form(s) described under Bid Contract Documents.

C. The Bidder shall require the Attorney-In-Fact that executes the required bonds on behalf of the surety to affix thereto a certified and current copy of his/her Power of Attorney.

8.2.1 Taxes

A. It is understood that the stipulated sum or contract amount will not include the cost of state and local taxes. Navajo Tribal Taxes will be required. The Bidder shall make certain of any applicable Navajo Tribal Taxes be included in the Bid. The Bidder shall make inquiries to the Navajo Tax Commission, Window Rock, Arizona (928) 871-7610.

8.2.2 Arbitration

A. None of the " Arbitration" clauses or references in the General Conditions of the Contract for Construction (AIA Document A201) shall apply to this project.

B. Neither Owner nor the Contractor shall be obliged to engage in or participate in any arbitration with respect to any dispute under this Agreement, nor shall the Architect be obliged to conduct or participate in any such arbitration.

C. Disputes under this Agreement, which cannot be informally resolved by the parties, shall be addressed as provided below.

8.5.1 Claims and Disputes

A. Any claims, disputes and other matters in question between the parties to this Agreement, except those relating to aesthetic affect as provided in the Navajo Nation Supplemental General Conditions and except those which have been waived by the making or acceptance of final payment as provided in the Contract Documents, shall be referred to the Architect by written notice within three (3) weeks of the date when the claim, dispute or other matter in question became known or should have become known to the complaining party.

8.6 Acknowledgments

A. This Agreement represents the entire and integrated Agreement between Owner and Contractor and supersedes all prior negotiations, representations or Agreements, either written or oral. This Agreement may be amended only by written instrument signed by both Owner and Contractor.

9.0 SPECIAL BINDING AND CONTRACT PROVISIONS

9.1 Submission Materials

A. Letter of certification from the Bidder, attesting to Bidder's compliance with Davis-Bacon Wage and Labor Standards as stipulated in the Bid Documents.

B. Identification (Names, addresses, and telephone numbers) of declared Indian laborers or subcontractors for the Project to be performed, and the appropriate percentage (%) of total workforce in relation to the proposed Bid amount.

10.0 FORM OF AGREEMENT BETWEEN OWNER AND BIDDER

10.1 Form to be Used

A. The Agreement for the Project will be written on the forms indicated under the Bid Contract Documents.

11.0 LIQUIDATED DAMAGES

11.1 Time of Completion and Liquidated Damages

A. Bidder must agree to commence Project on a date specified in a written "Notice to Proceed" issued by the Owner. The Bidder must agree to complete the Project within 365 calendar days commencing on the date of the "Notice to Proceed".

11.2 Assessment

A. Liquidated Damages will be assessed on this project at a rate of $250 per calendar day beyond the contract time agreed upon in the contract documents, unless amended due to delays beyond the control of the Bidder and/or Owner.

12.0 MISCELLANEOUS PROVISIONS

12.1 Permits and Fees

A. Contractor shall pay for all permits and fees applicable to the project that is required by Government, State and Local municipalities. Bidders are encouraged to contact the Owner's Lead Agent for additional information.

B. Bidder's attention is drawn to the Navajo Nation Gross Receipts Tax documents attached herein, for regulations and requirements related to business activities on the Navajo Reservation.

END OF INSTRUCTIONS TO BIDDERS

BID FORM

Date of Bid: _____, 2017
Bidder:_____

PROJECT NAME: **Tonalea Chapter Replacement Building**
Tonalea, Navajo Nation, Arizona
Architect's Project No. 2016.07

Proposal of (company name): _____(hereinafter called the "Bidder") organized and existing under the laws of the State of _____, doing business as a Corporation, Partnership or Individual. (Identify organization structure).

To: Tonalea Chapter (hereinafter called the "Owner").

The undersigned, as an authorized representative for the Bidder named above, in compliance with the Invitation to Bid for the Project identified above having examined the Bid Documents, and having examined the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of labor, materials and supplies, hereby proposes to furnish all labor, materials and supplies, and to construct the project in accordance with the contract documents at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the contract documents, of which this proposal is a part.

The undersigned Bidder's representative also acknowledges receipt of the following Addenda, if applicable:

Addendum No: ___, dated _____, Addendum No: ___, dated _____

Addendum No: ___, dated _____, Addendum No: ___, dated _____

Addendum No: ___, dated _____, Addendum No: ___, dated _____

BASE BID: The Bidder agrees to perform all work for the construction of PROJECT, as described in the Bid Documents for the following lump sum: (Amounts to be shown in both words and figures. In case of a discrepancy, the amount shown in words will govern, **please print**.) **All sums include Navajo Nation Business Activity Tax, as well as all permits and fees if required by State and Local municipalities.**

Total Base Bid Lump Sum:

_____

_____Dollars,

$

Amount for Navajo Nation Business Activity Tax, as included in Base Bid:

_____ Dollars,

($_____)

The Bidder understands that the contract will be awarded in accordance with the provisions of the Instructions to Bidders and that the Owner reserves the right to reject any or all bids and to waive any formalities in the bid process.

The Bidder agrees that this bid shall be good and may not be withdrawn for a period of ninety (120) calendar days after the scheduled closing time for receiving bids.

Upon receipt of written notice of acceptance of this bid, Bidder will execute the final contract and deliver surety bonds as stipulated in the "Instructions to Bidders".

The BID SECURITY attached in the sum of 10% of the bid amount is:

_____ Dollars,

($_____)

and shall become the property of the Owner in the event the contract and bonds are not executed within the time set forth herein, as liquidated damages for the delay and additional expenses to the Owner caused thereby.

Respectfully Submitted,

By: _____

Authorized Agent (Typed/Printed)

_____

Signature

_____

Date

_____

Company Name

_____

_____

Company Address

Telephone: _____

(Affix Corporate Seal if bid by Corporation)

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we the undersigned,

_____
(Name of Principal)

as PRINCIPAL, and

_____, as SURETY are held and
(Name of Surety)
firmly bound unto the NAVAJO NATION TONALEA CHAPTER, hereinafter called the "Owner", in the penal sum of $_____ Dollars, lawful money of the United States, for the payment of which sum will and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying bid dated _____, 2017 for the TONALEA CHAPTER REPLACEMENT BUILDING Project.

NOW, THEREFORE, if the Principal shall not withdraw said bid within the period specified therein after the opening of the same, or if no period be specified, within one hundred twenty (120) days after said opening, and shall within the period specified therefore, or, if no period be specified within ten (10) days after the prescribed forms are presented to for signature, enter into a written contract with the Owner in accordance with the bid as accepted, and give the required performance and payment security, for the faithful performance and proper fulfillment of such contract; or in the event of the withdrawal of said bid within the period specified, or the failure to enter into such contract and give such security within the time specified, if the Principal shall pay the Owner the difference between the amount specified in said bid and the amount for which the Owner may procure the required work or supplies or both, if the latter amount to be in excess of the former, then the above obligation shall be avid and of no effect, otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above-bounded parties have executed this instrument under their several seals this _____ _____ day of _____, 2017, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

In presence of

_____ _____ (SEAL)
(Individual Principal)

_____ _____
(Business Principal)

ATTEST:

_____ _____
(Corporate Principal)

_____

_____

_____
(Business Address)

BY:_____

Affix Corporate Seal

ATTEST:

_____ _____

(Corporate Surety)

_____

_____

_____

(Business Address)

BY:_____

Affix Corporate Seal

(Power of Attorney for person signing for Surety Company must be attached to Bond)

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the _____ (Title) of the Corporation named as Principal in the within Bond; that _____, who signed the said Bond on behalf of the Principal was then _____, of said Corporation; that I know his signature, and his signature thereto is genuine; and that said Bond was duly signed, sealed, and attested to for and in behalf of said corporation by authority of its governing body.

_____ (Corp. Seal)

SUBCONTRACTOR LIST FORM

1. GENERAL:

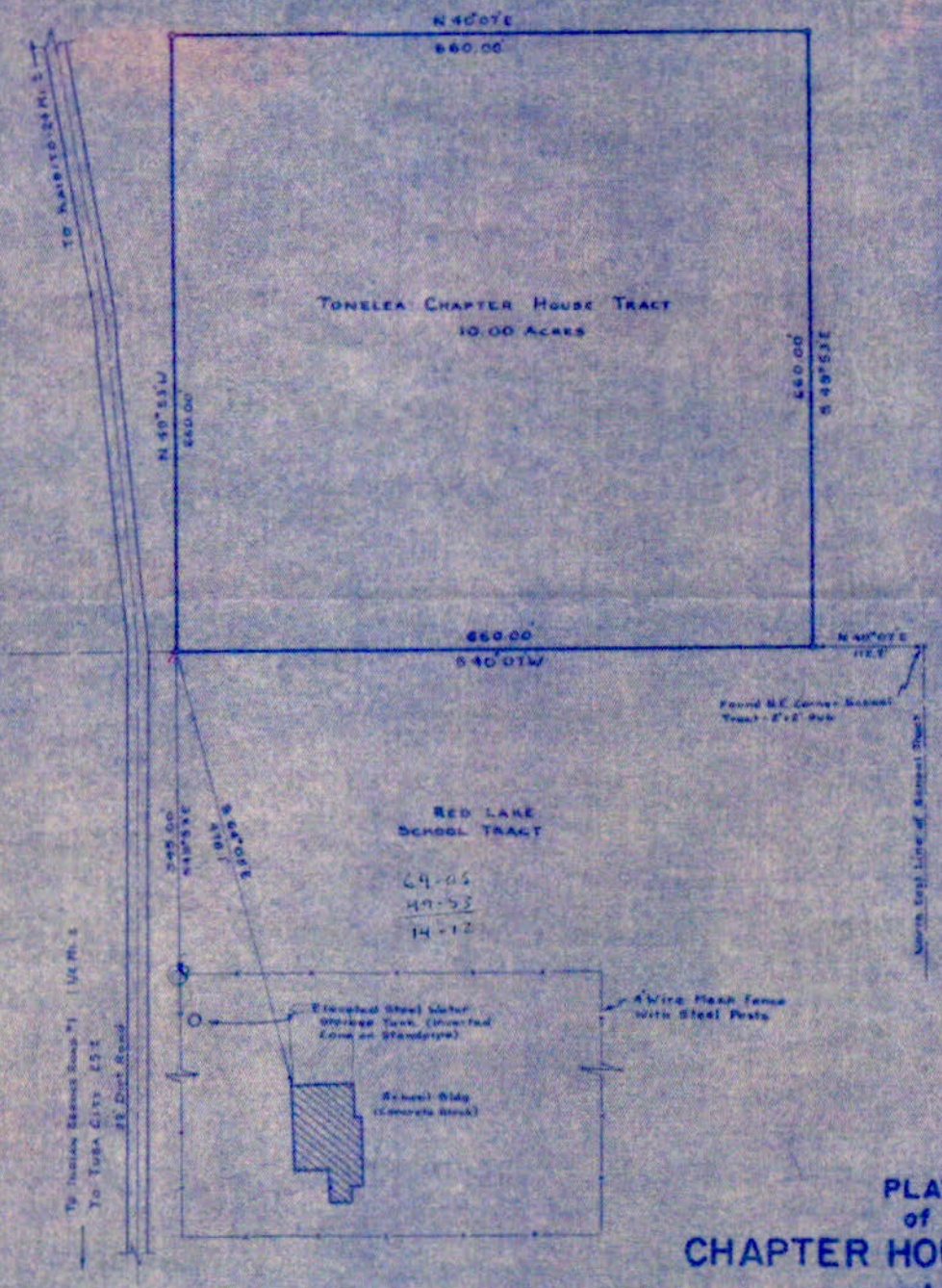
A. The Contractor must list below the name and address of all qualified Subcontractor's or suppliers he/she will employ for the various portions of the work indicated. Failure on the part of the Contractor to complete or property complete this list will constitute sufficient grounds to reject his/her bid. Additionally, the Contractor shall declare whether subcontractors listed herein are Navajo-Owned businesses.

B. The Contractor may list him/herself to perform one or more of the listed categories of work for which he has any requisite state licenses when required. In this case, all personnel performing such work at the site shall be carried on his/her own payroll, except that he/she may sublet those portions of the work that are traditionally and commonly sublet by the representative Subcontractor in the community. If equipment is leased with operators, the operators need not be carried on the Contractor's payroll.

C. List only a single name for each listing. If a change occurs in the list, brought about by the exercising of any of the alternates involved in the Bid Form, the Bidder must show this change on the list. If no name appears other than those listed under the base bid, adherence to those names will be required no matter which alternate, if any, is exercised.

II. LISTING

TRADE	SUBCONTRACTOR/SUPPLIER NAME/ADDRESS	Navajo-Owned? Y/N
Earthwork		
Asphalt Paving		
Site Utilities		
Site Concrete		
Building Concrete		
Structural Steel		
Masonry		



NOTE: Chapter House Tract Corners Marked with 1/2" Iron Pins
Bearings Shown Are in Reference to True North

PLAT of CHAPTER HOUSE TRACT at TONALEA COCONINO COUNTY, ARIZONA for THE NAVAJO TRIBE

DESCRIPTION OF CHAPTER HOUSE TRACT AT TONALEA
COUNTY, STATE OF ARIZONA, FOR THE NAVAJO TRI

The herein described tract of land, situated in Township [illegible] of Arizona, and more particularly described as follows:

Beginning at a point being the most northerly corner of a tract of land, said being also a point on the Northeast line of the Red Lake School tract, said tract having the most [illegible] the Red Lake School building, said building being constructed [illegible] block, bears S 40° 00' E, a distance of 470.3 feet;

Thence N 49° 53' W, a distance of 660.00 feet to a point [illegible] westerly corner of the herein described tract of land;

Thence N 40° 07' E, a distance of 660.00 feet to a point [illegible] northerly corner of the herein described tract of land;

Thence S 49° 53' E, a distance of 660.00 feet to a point [illegible] westerly corner of the herein described tract of land, said [illegible] recovered 2 inch square wooden hub being the most northerly [illegible] said Red Lake School tract, thence N 40° 07' E, a distance [illegible]

Thence S 40° 07' W, a distance of 660.00 feet along the [illegible] boundary line of said Red Lake School tract, to the point [illegible]

The enclosed area containing 10.00 acres, more or less.

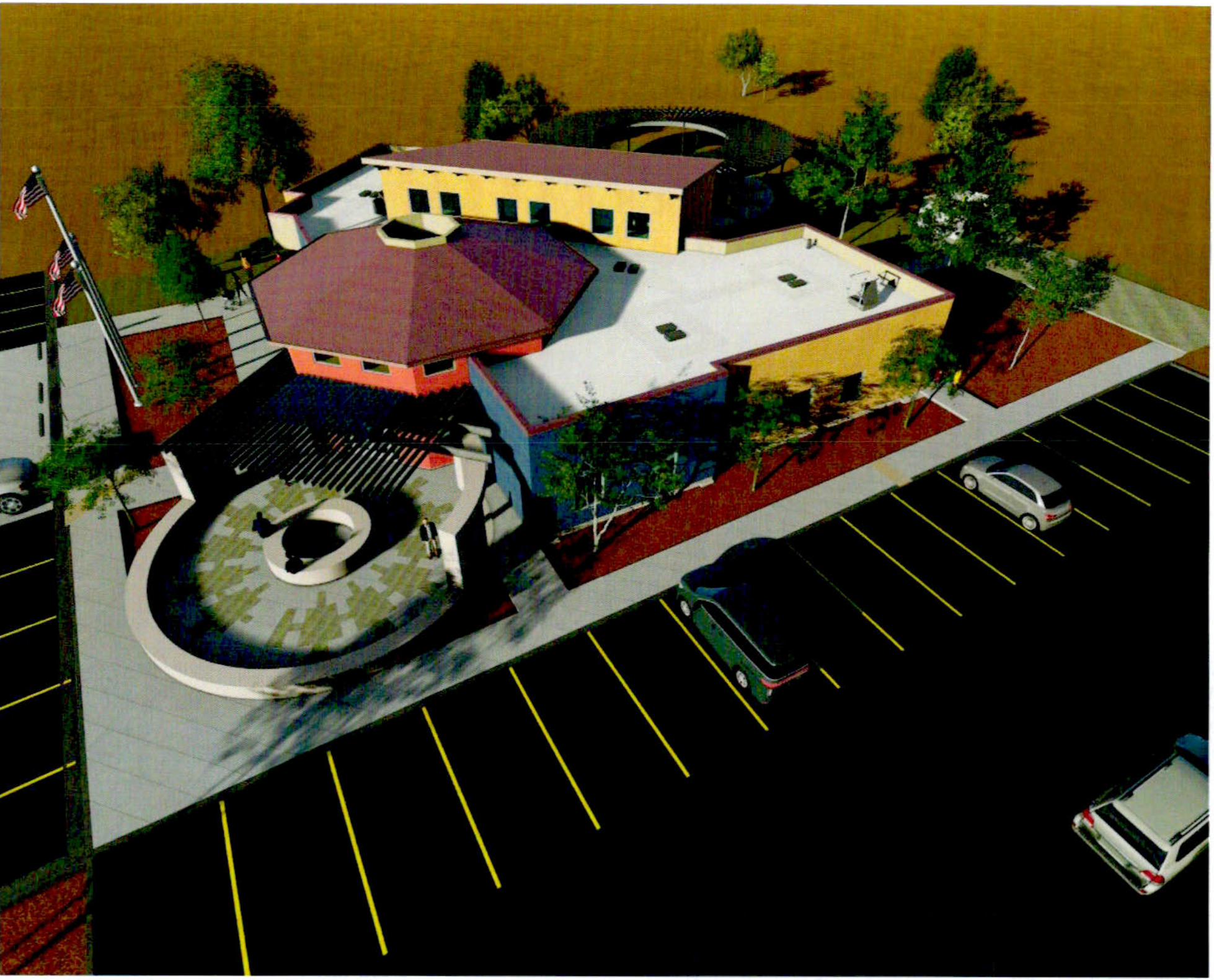
CERTIFICATE OF SURVEY

I hereby certify that the survey and plat shown hereon was [illegible] a true and correct copy of a survey made in the field under [illegible] my direction December, 1969.

Registered P.E. No. [illegible]
State of Arizona

F.M. LIMBAUGH
Consulting Engineer
Albuquerque, New Mexico

FILE No.



THE NAVAJO NATION

JONATHAN NEZ | PRESIDENT MYRON LIZER | VICE PRESIDENT

DCDA-M19130

MEMORANDUM

TO : Department and Program Staff
Division of Community Development

FROM :

Pearl Yellowman, Division Director
Division of Community Development

DATE : August 6, 2019

SUBJECT : **Delegation of Authority**

In my absence from the office on August 7, 2019 at 8:00am to 5:00pm, Mr. Patrick Dalgai shall be delegated in the capacity of the Division Director for Division of Community Development. The delegation includes handling administrative matters and signatory authority for routine documents, except those matters he feels requires my attention.

Your assistance and cooperation are appreciated. Thank you.

ACKNOWLEDGED BY:

8.7.19

Patrick Dalgai, Acting Department Manager II
Community Housing & Infrastructure Department
Division of Community Development

c

EXHIBIT 2

THE NAVAJO NATION
PROJECT PROCESS SCHEDULE

PROJECT FORM

PART I. Business Unit No.: NEW

Project Title: Tonalea Chapter-Community Building Replacement

Project Description: Construct New Chaper Building

Check one box: ☐ Original ☐ Revision ☐ Reallocation ☐ Modification

PART II. Project Information

Project Type: Design & Construction

Planned Start Date: 19-Aug

Planned End Date: 21-Dec

Project Manage: Edward Preston

PART III. Project Task List: such as Plan, Design, Construct, Equip or Furnish.

PART IV. Use Fiscal Year (FY) Quarters to complete the information below. O = Oct.; N = Nov.; D = Dec., etc.

Expected Completion Date if exceeds 8 FY Qtrs. Date ___2020_____

	FY _20____												FY _21____																	
	1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.			1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.							
	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M
Design Phase-Architect Legal Advertisement, Bidding/ Negotiation, Construction Administration GC- 164B Process; Monitoring of Construction to General Contractors- shop dwgs, submittals																														
Construction-General Contractor Issue Notice to Proceed (NTP), General Contractor to start civil ground work and start construction. And to Furnish and Equipt the building to the issue of Occupancy.																														

PART V.	$	$	$	$	$	$	$	$	PROJECT TOTAL
Expected Quarterly Expenditures				600,000.00	600,000.00	600,000.00	600,000.00	600,000.00	$3,000,000.00

FOR OMB USE ONLY: Resolution No: _____ FMIS Set Up Date: _____ Company No: _____ OMB Analyst: _____

FY 2020

THE NAVAJO NATION
PROGRAM BUDGET SUMMARY

BUDGET FORM 1

PART Business Unit No.: NEW Program Title: Tonalea/Red Lake Chapter Division/Branch: Community Development/Executive

Prepared By: Brenda Holgate/Andy Thomas Phone No.: 928/326-6919 Email Address: acody@navajo-nsn.gov/bholgate@nndcd.org

PART II. FUNDING SOURCE(S)	Fiscal Year /Term	Amount	% of Total
Sihasin Funds	2020	3,000,000	100%
	TOTAL:	$3,000,000	100%

PART III. BUDGET SUMMARY	Fund Type Code	(A) NNC Approved Original Budget	(B) Proposed Budget	(C) Difference (Column B - A)
2001 Personnel Expenses				0
3000 Travel Expenses				0
3500 Meeting Expenses				0
4000 Supplies				0
5000 Lease and Rental				0
5500 Communications and Ut				0
6000 Repairs and Maintenanc				0
6500 Contractual Services				0
7000 Special Transactions				0
8000 Public Assistance				0
9000 Capital Outlay	1		3,000,000	3,000,000
9500 Matching Funds				0
9500 Indirect Cost				0
TOTAL		$0.00	3,000,000	3,000,000

PART IV. POSITIONS AND VEHICLES	(D)	(E)
Total # of Positions Budgeted:		0
al # of Permanently Assigned Vehicles:		0

PART V. I HEREBY ACKNOWLEDGE THAT THE INFORMATION CONTAINED IN THIS BUDGET PACKAGE IS COMPLETE AND ACCURATE.

James Adakai, Department Manager II
SUBMITTED BY: Program Manager's Printed Name

SUBMITTED BY: Program Manager's Signature and Date

Pearl Yellowman, Executive Director
PROVED BY: Division Director/Branch Chief's Printed Na

8-7-19
OVED BY: Division Director/Branch Chief's Signature anc

THE NAVAJO NATION
PROGRAM PERFORMANCE CRITERIA

PART I. PROGRAM INFORMATION:

Business Unit No.: NEW **Program Name/Title:** Tonalea/Red Lake Chapter

PART II. PLAN OF OPERATION/RESOLUTION NUMBER/PURPOSE OF PROGRAM:

CAP-34-98: To direct the chapter administration and management control system, by promoting efficiency and accountability to the chapter membership, and to effectuate plans of action to improve the standard of living for the chapter membership.

PART III. PROGRAM PERFORMANCE CRITERIA:

	1st QTR		2nd QTR		3rd QTR		4th QTR	
	Goal	Actual	Goal	Actual	Goal	Actual	Goal	Actual
# Goal Statement: To complete the Construction Phase/Schedule by the end of 3rd Qtr of FY 202(								
Program Performance Measure: To assist/monitor/execute the construction phase/activities for the Chapter Replacment Building.					1			
# Goal Statement:								
Program Performance Measure:								
# Goal Statement:								
Program Performance Measure:								
# Goal Statement:								
Program Performance Measure:								
# Goal Statement:								
Program Performance Measure:								

PART IV. I HEREBY ACKNOWLEDGE THAT THE ABOVE INFORMATION HAS BEEN THOROUGHLY REVIEWED.

James Adakai, Department Manager II
Program Manager's Printed Name

Program Manager's Signature and Date

Pearl Yellowman, Executive Director
)ivision Director/Branch Chief's Printed Nam(

8-7-19
sion Director/Branch Chief's Signature and D

PART I. PROGRAM INFORMATION:

Program Name/Title: Tonalea/Red Lake Chapter Business Unit No.: NEW

PART II. DETAILED BUDGET:

(A) Object Code (LOD 6)	(B) Object Code Description and Justification (LOD 7)	(C) Total by DETAILED Object Code (LOD 6)	(D) Total by MAJOR Object Code (LOD 4)
	9000 CAPITAL OUTLAY		
9050	**Building**		**3,000,000**
	9052 Building	3,000,000	
	Construction Services for new Tonalea Chapter replacement building for the community members to host their meetings, events,etc.		
	Includes Site Prep, Civil, Parking Lot, Infrastructure hook-ups and building structure to be upright constructed.		
	TOTAL	3,000,000	3,000,000

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service
Health Services Administration

U.S. Public Health Service
Tuba City Indian Medical Center
P.O. Box 600
167 North Main Street
Tuba City, AZ 86045-0600

Office of Environmental Health and Engineering

EXHIBIT 3

November 25, 2001

George Betoney, Chapter President
Tonalea Chapter
P.O. Box 207
Tonalea, AZ 86044

Dear Mr. Betoney:

On November 20, 2001 Donna Gilbert, Tuba City Service Unit Sanitarian, and Timothy Vanek, Field Sanitarian conducted a comprehensive environmental health survey at the Tonalea Chapter House. The purpose of the survey was to evaluate the total facility environment. In addition, to make recommendations for the improvement of existing services such as sanitation, safety practices, food protection, and management practices related to public health and safety at this facility.

Ms. Gilbert and Mr. Vanek contacted Renda L. Fowler, Community Service Coordinator, and Jerry Whiterock, Grazing Committee member, during the survey.

The Tonalea Chapter House meeting hall was constructed in 1959, the remaining portion of the building was added-on during the 1970s. The Chapter House was last surveyed August 3, 1998. The areas examined during this survey were the building exterior, the entrance hall, restrooms, furnace closet, janitor's closet, storage closet, kitchen, meeting hall and three offices.

In the interest of improving environmental health related to the Tonalea Chapter House, please address the following concerns: lighting and electrical, kitchen, safety, general environmental, and structural.

If you have any questions regarding this environmental health survey, or if you would like information regarding compliance with the recommendations, please call our office at (928) 283-2843.

Sincerely,

Angie Maloney

Angie Maloney, RS, MPH
District Sanitarian
Tuba City District

Xc: Ralph Fulgham, Director, DEHS, NAIHS, OEHE, Window Rock, AZ 86515
Lyndon Endischee, NDOH, OEH
Herman Shorty, Navajo Division of Health, P.O. Box 1390, Window Rock, AZ 86515
Renda Fowler, Community Coordinator, Tonalea Chapter House, P.O. Box 207 Tonalea, AZ 86044
File (80871850)

LIGHTING/ELECTRICAL

1. Electrical plate above the GFCI in the female restroom is missing.
   Recommendation: replace the missing plate.
2. Electrical outlet within six feet of wet area in janitor's closet is not GFCI type.
   Recommendation: have a qualified, licensed electrical contractor replace this outlet with a ground fault correction indicator outlet.
3. Electrical wire connections in the ceiling of the furnace closet are exposed.
   Recommendation: have a qualified, licensed electrical contractor inspect wire splices for safety, and junctions for appropriate covers.
4. Outlet in the east wall of the meeting hall is not flush with the wall.
   Recommendation: (note: heritor "contractor" will refer to a qualified, licensed tradesperson) have an electrical contractor inspect outlets and ensure that they meet the current National Electrical Code.
5. The ventilation fan in the female restroom is inoperative.
   Recommendation: have an electrical contractor repair or replace the fan.
6. The janitor's closet does not have an exhaust fan and has strong chemical odors.
   Recommendation: have an electrical contractor install an exhaust fan in the janitor's closet.
7. The hardwired exit sign above the northeast exit of the meeting hall is not illuminated.
   Recommendation: inspect the sign for burned out bulbs. For deficiencies related to faulty wiring, have an electrical contractor repair or replace the sign.
8. There are exposed wire splices above the double door entrance to the meeting hall.
   Recommendation: have an electrical contractor inspect the exterior wiring and make repairs as necessary.
9. All of the exterior security light sockets are either empty, have remains of broken bulbs, or in one case, has interior bulbs installed.
   Recommendation: use only all weather security lights in these sockets.

KITCHEN

1. There is gas odor evident upon entering the kitchen.
   Recommendation: have a gas appliance contractor inspect the stove to ensure it is installed and functioning correctly.
2. The three-compartment sink splashguard is flaking.
   Recommendation: replace the splashguard with a one-piece, waterproof unit. Suitable splashguards are typically plastic or stainless steel.
3. The under -the- sink cabinet has a bottom panel which does not allow unobstructed access to the floor. Additionally, there are several small openings in this panel.
   Recommendation: the cabinet design does not allow cleaning of the floor beneath the sink; it creates a dark, undisturbed environment for pests to negotiate. If the cabinet bottom is needed for storage, seal off all openings through the panel so pests cannot gain access to work areas.
4. There was food debris on the floor under and around the sink area.
   Recommendation: keep the floor and cabinet surfaces free of food residue. Incorporating a pre-and post-use checklist of the condition of food contact and non-food contact surfaces

in the kitchen will ensure that food is prepared in a sanitary environment. Clean these surfaces on a regularly scheduled basis or as necessary.

5. The cabinets, shelves, drawers and pantry area are constructed of either 1/4" inch plywood or paneling material. These surfaces are very rough, in some cases flaking, the joints are uneven and they tend to absorb water. The pantry shelves have exposed nails and other hardware.
   Recommendation: use kitchen-grades cabinets and storage units. Surfaces need to be smooth, easily cleanable and sturdy. The current storage areas appear to be temporary, home-constructed fixes.
6. Floor tiles along the south side of the kitchen stove are damaged
   Recommendation: replace all damaged or missing floor tiles.
7. The center worktable is homemade construction and is covered with a cracked vinyl sheet. It is not smooth, easily cleanable and is no longer sturdy.
   Recommendation: use only commercial-grade equipment for food preparation surfaces. A stainless steel table will remain sturdy, smooth and easily cleanable after years of use.
8. There is a roof leak in the northwest corner of the kitchen above the stove fire extinguisher.
   Recommendation: have a roof contractor inspect the roof in this area and all other suspect areas for leaks and determine an appropriate repair.
9. The stove hood fan is inoperative.
   Recommendation: have an electrical contractor or an appliance technician inspect the stove hood fan and repair or replace the unit.
10. The stove surfaces are coated with grease, dust and food debris.
    Recommendation: clean the stove and incorporate cleaning it in a regularly scheduled cleaning regimen, or as often as necessary.
11. There is blown sand along the windowsill.
    Recommendation: clean the windowsills and include them in the regular cleaning schedule of other kitchen surfaces.
12. The counter top along the west wall is worn and is no longer smooth and easily cleanable.
    Recommendation: replace the counter with suitable counter-top material.
13. Kitchen equipment and food preparation items are stacked on the floor.
    Recommendation: store all kitchen equipment off the floor, and arrange to avoid contamination by dust and cleaning chemicals.
14. The freezer door in the (home type) refrigerator/freezer unit is cracked.
    Recommendation: replace the cracked door.
15. The insulation along the bottom of the same unit is exposed.
    Recommendation: have an appliance repair technician inspect this unit for serviceability and repair the loose insulation where necessary.
16. There are many non-kitchen items stored in the kitchen. The northeast corner of the kitchen has non-kitchen items stacked floor to ceiling. The closet is also filled to the ceiling with non-kitchen items.
    Recommendation: store only kitchen items in the limited, kitchen storage space.

SAFETY

1. The portable fire extinguisher in the entrance hallway is not charged to the appropriate level.

Recommendation: contract with fire safety equipment servicing company to inspect your fire extinguishers and recharge them as necessary.

2. The kitchen does not have a portable, 12lb. ABC type fire extinguisher.
   Recommendation: provide one for the kitchen. Mount the fire extinguisher so that the top of the bottle is 5' from the floor and clearly label its location.
3. Stored items are too close to the water heater in the hall closet.
   Recommendation: keep a clear zone of 12" all around the water heater.
4. The carpet on the meeting hall podium is worn.
   Recommendation: replace the worn carpet.
5. The modem cables for the computers in the meeting office are across the walkway.
   Recommendation: re-route the cables so they do not pose a tripping hazard.
6. There is propane gas odor near the regulator on the 1000 gal propane tank.
   Recommendation: have a LP-GAS technician inspect the tank and its delivery/pressure regulating equipment to ensure its serviceability and safety.
7. The 1000 gal propane tank is not posted with "WARNING FLAMMABLE" "NO SMOKING" signs.
   Recommendation: consult with a LP-GAS technician for the appropriate size and placement of warning signs.
8. The front concrete steps are deteriorating and the sidewalks are uneven.
   Recommendation: repair or replace the damaged or shifted concrete so that it no longer poses a tripping hazard.
9. Grazing committee member Jerry Whiterock reported that the gutter over the southeast (double door) entrance to the meeting hall leaks. Subsequently, the concrete surface in front of the doors becomes iced-over during the winter months.
   Recommendation: replace the leaky gutters and use ice melt, (i.e. rock salt) as necessary during icy conditions.

GENERAL ENVIRONMENTAL

1. The male restroom window is not screened.
   Recommendation: install a screen in this window.
2. The left hand sink in the male restroom was inoperative.
   Recommendation: have a plumbing contractor repair the sink.
3. The female restroom has an opening into the ceiling drywall, the sink counter is damaged, a wall panel is coming apart and the toilet stall door is damaged (the resulting surface is jagged).
   Recommendation: patch all holes in the drywall, repair or replace the sink counter so that it is smooth and easily cleanable, and replace the damaged toilet stall door.
4. The janitor's closet faucet does not have a vacuum breaker.
   Recommendation: if a hose is used with this faucet, install a screw-on vacuum breaker on the end of the faucet before using a hose. You may also replace the faucet with a unit that has an internal vacuum breaker.
5. There are openings in the janitor's closet drywall along the ceiling and the walls. The drywall near the utility sink is not finished.

   Recommendation: patch any openings in the drywall, finish and paint the unfinished drywall near the utility sink.
6. There is water damage in the janitor's closet near the utility sink.

Recommendation: replace the water damaged drywall and ensure that the utility sink splash guard is a sufficient size and is installed correctly.

7. The janitor's closet lacks racks to hang/store equipment and supplies.
   Recommendation: install a suitable number of racks and shelves to accommodate all of the cleaning equipment and supplies.
8. The wall/floor junction in the janitor's closet is not sealed.
   Recommendation: install baseboard molding in the janitor's closet.
9. A 2-gal water heater provides hot water to the janitor's closet and the restrooms.
   Recommendation: have a plumbing contractor plumb the janitor's closet and restrooms to the 30-gal hot water heater in the hall storage closet.
10. There are openings in the ceiling drywall of the furnace closet.
    Recommendation: patch all openings in the drywall of the furnace closet.
11. There are cleaning chemicals stored in the hall storage closet.
    Recommendation: store cleaning chemicals in the janitor's closet once it has been appropriately vented.
12. There are rodent droppings in the hall storage closet.
    Recommendation: follow the attached guideline entitled "CLEAN-UP OF RODENT CONTAMINATED AREAS" before cleaning up the affected area.
13. The baseboard doesn't meet the floor along the west wall of the meeting hall.
    Recommendation: install baseboard molding that completely seals the floor/wall. junction.
14. There are cracks and a hole in the meeting hall (south) wall drywall.
    Recommendation: repair the damaged drywall.
15. There are no screens in any windows along the meeting hall (south) wall.
    Recommendation: if these windows are opened for ventilation screen them.
16. Firewood is stored in the meeting hall.
    Recommendation: Store the firewood outside.
17. The meeting hall double door exits are not self-closing. On of these doors is bent along the bottom edge allowing a gap beneath the door sweep.
    Recommendation: install self-closing devices on the doors and repair the bent portion of the door so the gap along the bottom of the door is no more than 1/4".
18. There is evidence of a roof leak above the meeting hall podium.
    Recommendation: have a roofing contractor inspect the suspected leaky areas and make the appropriate repairs.
19. There are openings in the drywall behind the podium from empty electrical outlets.
    Recommendation: patch the openings.
20. Podium counter surface is flaking off in spots.
    Recommendation: repair or replace the counter surface so that is smooth and easily cleanable.
21. Arm rest surfaces of the meeting hall podium chairs are cracked and damaged.
    Recommendation: re-surface the arm rests so that they are smooth and easily cleanable or replace the chairs.

22. The shelving in the conference room is homemade plywood construction, it has uneven joints and is not smooth and easily cleanable.
    Recommendation: use shelves that can be cleaned effectively.
23. There are utility piping holes through the exterior north wall which are excessively large.

Recommendation: fill these holes with a weather resistant grout or seal them with a collar fashioned from galvanized flashing material.

24. The seating benches in front of the announcement gazebo are warped/buckled and are not a suitable seat.
    Recommendation: replace or remove the benches.
25. The building is not handicapped accessible.
    Recommendation: detailed handicapped accessibility design criteria can be obtained from the ADA information line 1-800-514-0301. The same information can be downloaded in PDF format from the Americans with Disabilities Act homepage at: www.usdoj.gov/crt/ada/adahom1.htm. Please refer to the accessibility design criteria before completing any renovations.

STRUCTURAL

1. Upper southwest exterior corner of the building is cracked. The crack extends the length of the wall to the foundation.
   Recommendation: have a qualified building inspector examine the damage to the building and recommend the appropriate repairs.
2. There are numerous cracks throughout the exterior west wall.
   Recommendation: see recommendation #1 STRUCTURAL.
3. The upper northwest corner of the building is severely cracked. The load bearing triple layered roof truss is no longer supported by the wall.
   Recommendation: see recommendation #1 STRUCTURAL.
4. There are numerous cracks throughout the exterior north wall.
   Recommendation: see recommendation #1 STRUCTURAL.
5. The downspouts are buried immediately below the roof termination.
   Recommendation: connect the downspouts to buried drain tile that empties down gradient away from the building foundation. The downspouts can terminate above ground as long as you add a suitable extension to the end of the downspout to direct the water down gradient away from the building foundation.

Attachment: MMWR Clean-up of Rodent Contaminated Areas

Submitted by:

Timothy Vanek
Field Sanitarian

Concurred by:

Donna Gilbert
Service Unit Sanitarian
Tuba City Service Unit

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service
Health Services Administration

U.S. Public Health Service
Tuba City Indian Medical Center
P.O. Box 600
167 North Main Street
Tuba City, AZ 86045-0600

Office of Environmental Health and Engineering

December 7, 2001

Joe Dayzie, Council Delegate
Tonalea Chapter
P.O. Box 207
Tonalea, AZ 86044

Dear Mr. Dayzie:

Enclosed is a copy of the comprehensive environmental health survey report on the **Tonalea Chapter House** that you requested.

I have reviewed and concur with this report.

Please submit a copy of the architectural plans to our office for review before any extensive remodeling or construction. Please contact our office at (928) 283-2843, if you have any questions concerning this report.

Sincerely,

Angie Maloney

Angie Maloney, RS, MPH
District Sanitarian
Tuba City District

Xc: Renda Fowler, Community Coordinator, Tonalea Chapter House, P.O. Box 207 Tonalea, AZ 86044
George Betoney, Chapter President, Tonalea Chapter House, P.O. Box 207, Tonalea, AZ 86044
Ralph Fulgham, Director, DEHS, NAIHS, OEHE, Window Rock, AZ 86515
Lyndon Endischee, NDOH, OEH
File (80871850)

TONALEA CHAPTER HOUSE
COMPREHENSIVE ENVIRONMENTAL HEALTH SURVEY REPORT
November 2001

On November 20, 2001, Division of Environmental Health Services (DEHS) conducted a comprehensive environmental health survey at the **Tonalea Chapter House**. The purpose of the survey was to evaluate the total facility environment. Tonalea Chapter was seeking funding for a new building. The following DEHS and Tonalea Chapter personnel assisted with the survey or were contacted during the survey:

Donna Gilbert, Service Unit Sanitarian, DEHS, Tuba City
Tim Vanek, Field Sanitarian, DEHS, Tuba City
Renda L. Fowler, Tonalea Community Service Coordinator
Jerry Whiterock, Tonalea Grazing Committee Member

Tonalea Chapter House meeting hall was constructed in 1959 the remaining portion of the building was added-on during the 1970s. The Chapter House was last surveyed August 3, 1998. The areas examined during the survey were the building exterior, the entrance hall, restrooms, furnace closet, janitor's closet, storage closet, kitchen, meeting hall and three offices. The structural integrity of the building is questionable and needs immediate attention. All the furnishings, plumbing and electrical fixtures, water, sewer, and gas piping were obsolete and may not be found on the market for repairs or replacement. There are leaks in the gas piping in several locations placing the Chapter members at risk of possible injury.

SUMMARY AND RECOMMENDATION:

THE DIVISION OF ENVIRONMENTAL HEALTH SERVICES, OEHE, NAIHS, ACTING AS THE APPOINTED HEALTH ADVISORS FOR THE NAVAJO NATION SUPPORT THE TONALEA CHAPTER TO REPLACE THEIR CHAPTER BUILDING.

The following is our findings:

STRUCTURAL

1. The southeast meeting hall wall was severely cracked. The load bearing triple layered roof truss had separating approximately 2 inches and along both corners of the south wall. Two supports were built outside along the south wall to hold the building together.
2. There were numerous cracks throughout the whole exterior walls from the foundation to the roof.
3. It was apparent that the roof leaked in numerous places.
4. A thorough inspection of the roof and ceiling was not conducted. Leaks and cracks were noted only from the inside.
5. There were outer openings in the following areas: ladies restroom ceiling, the janitor's and furnace closet ceiling and walls, behind the podium from empty electrical outlets, along the south meeting hall wall, and underneath the entrance double doors.
6. A floor area of approximately 10-ft had sunk about 2 inches along the center of the

south wall in the meeting room and the baseboard was not flush with the floor.

7. Our office has no documentation of conducting plan reviews on 1970 addition or any renovation that might have been made.
8. The front concrete steps were deteriorating and the sidewalks were uneven.
9. Staff reported that the rain gutter over the southeast entrance to the meeting hall leaks. Subsequently, the concrete surface in front of the doors becomes iced-over during the winter months.
10. All the downspouts were extending into the ground.
11. All of the exterior security light sockets were either empty, have remains of broken bulbs, or had interior bulbs installed.

LIGHTING/ELECTRICAL

1. Ground Fault Circuit Interrupter (GFCI) outlet cover in the ladies' restroom was missing.
2. Electrical outlet within six feet of wet area in the janitor's closet was not GFCI type.
3. Electrical wire connections in the ceiling of the furnace closet were exposed.
4. Electrical outlet along the east meeting hall wall was not flush with the wall.
5. The mechanical ventilation in the ladies' restroom was inoperable.
6. The janitors closet did not have mechanical ventilation, and there were strong chemical odors in this closet.
7. The hardwired exit sign above the northeast exit of the meeting hall was not illuminated.
8. There were exposed wire splices above the double door entrance to the meeting hall.

KITCHEN

1. There was gas odor evident upon entering the kitchen.
2. The cabinets, counters, shelves, drawers and pantry area were constructed of either ¼ inch plywood or paneling material. These surfaces were very rough, and the joints were uneven. The pantry shelves had exposed nails and other hardware. The center worktable was covered with cracked wallpaper.
3. The freezer door in the (residential) refrigerator/freezer unit was cracked and insulation was exposed underneath.
4. The splashguard above three-compartment sink was deteriorating.
5. The stove hood fan was inoperable.
6. Floor tiles around the kitchen stove were damaged.
7. Outer openings into the bottom cabinet were seen under the kitchen sink.
8. There were food debris on the floor, under and around the kitchen equipment.
9. All kitchen equipment surfaces were coated with grease, dust and food debris.
10. There was blown sand along the windowsill.
11. There were kitchen equipment, utensils, and non-kitchen items stacked floor to ceiling in the northwest corner and closet.

SAFETY

1. The portable fire extinguisher by the entrance hallway was not charged to the appropriate level.
2. The kitchen did not have a portable ABC type fire extinguisher.

3. Items were stored too close to the water heater in the hall closet.
4. The carpet on the meeting hall podium was worn.
5. The modem cables for the computers in the meeting office were crossing the walkway.
6. There was propane gas odor near the regulator on the 1000-gallon LPG gas tank.

GENERAL ENVIRONMENTAL

1. Only the building addition made since 1970 had central heating.
2. The meeting hall was heated with a wood stove without a safety barrier. Piles of firewood were stored in the meeting hall.
3. There were no screens on all the windows along the south meeting hall windows and the male restroom window.
4. One of the sinks in the male restroom was inoperable.
5. The ladies restroom sink counter was damaged, the wall panel was coming apart and the toilet stall door had sharp edges.
6. The janitor's closet floor sink faucet did not have a vacuum breaker.
7. The wall was water damaged near the janitor's closet floor utility sink.
8. The baseboards were missing in the janitor's closet.
9. There were rodent droppings in the hall storage closet.
10. The meeting hall double door exits were not self-closing.
11. There was evidence of a roof leak above the meeting hall podium.
12. Podium counter surface was flaking off in spots.
13. The podium chairs armrest was cracked and deteriorating.
14. The shelves in the conference room was homemade plywood construction, it had uneven joints.
15. The old utility piping through the north exterior wall was excessively large.
16. The wooden benches in front of the announcement gazebo were warped/buckled.
17. The building was not handicapped accessible although they had handicapped signs.

Please contact our office at (928) 283-2843, if you have any questions.

Submitted by:

Timothy Vanek
Field Sanitarian
Tuba City Service Unit

Concurred by:

Donna Gilbert
Service Unit Sanitarian
Tuba City Service Unit

TUBA CITY REGIONAL HEALTH CARE CORPORATION
Division of Environmental Health Services

167 North Main Street, P.O. Box 600
Tuba City, Arizona 86045-0600
(928) 283-2844

Inc. 1-19-01

February 7, 2007

Vincent Denetdeal, Chapter Coordinator
Tonalea Chapter
P.O. Box 207
Tonalea, Arizona, 86044

Dear Mr. Denetdeal:

Per your request on February 6, 2007, Lyndon Endischee, Environmental Health Officer II conducted a comprehensive environmental health survey at the **Tonalea Chapter House**. The purpose of the survey was to evaluate the integrity of the existing chapter building for a proposed addition on the southwest corner of the building. The evaluation emphasis was limited to the building structure (exterior and load bearing walls, roof, wiring, etc.), sidewalk, and the parking lot.

Tonalea Chapter House meeting area was constructed in 1959 and has severely dilapidated over the years, evident by the cracks in the walls. In 1970's, the building occupying the chapter's secretary office, conference room, and restrooms, was added-on. There are no documented plan reviews on the initial construction of the Chapter building or any other renovations and additions. The Chapter House was last surveyed November 20, 2001.

Our findings during the survey are, but not limited to:

- There were numerous cracks from foundation to the top of the exterior walls around the entire building structure, most prominent in the southeast corner of meeting hall.
- The load bearing triple layered roof truss along the east wall of the meeting hall was separating. The truss support walls had cracked and two supports were built against the east wall to hold the roof and building together.
- It was apparent that the roof leaked in numerous places. A thorough inspection of the roof and ceiling was not conducted. Leaks and cracks were noted only from the inside.
- The sources of heat for the building are a wood stove and space heaters. At the beginning of the survey at 10:10 am, there was no fire in the stove and the building was cold. The temperature appeared to be below 50 degrees. It was reported that when two or more space heaters are on at the same time, it trips the breaker, which is a clear indication of power overload.
- Although no dust or sand was observed in the southwest corner of the meeting hall during the survey, reportedly blow sand comes in under the wall during high winds.

- Majority of the furnishings, plumbing and electrical fixtures, water, sewer, and gas piping were obsolete and spare parts may not be found on the market for repairs or replacements.
- The front concrete steps, sidewalks, and parking lots do not comply with the Uniform Federal Accessibility Standards (UFAS). The steps were deteriorating, and numerous sidewalks were cracked and uneven, potential of trip hazards.

AS THE APPOINTED HEALTH ADVISOR TO THE NAVAJO NATION, TUBA CITY REGIONAL HEALTH CARE CORPORATION, OFFICE OF ENVIRONMENTAL HEALTH, DIVISION OF ENVIRONMENTAL HEALTH SERVICES RECOMMENDS THE TONALEA CHAPTER, HAVE A CERTIFIED/LICENSED STRUCTURAL ENGINEER CONDUCT A THROUGH EVALUATION OF THE EXISTING BUILDING, SO THE CHAPTER CAN MAKE A COST EFFICIENT DECISION FOR AN ADDITION TO THE BUILDING.

If you have any questions concerning this report, please contact our office at (928) 283-2844.

Submitted by:

Lyndon Endischee
Environmental Health Officer II

Concurred by:

Angie Maloney, RS, MPH
District Sanitarian

Cc: Joseph Engelken, Chief Executive Officer, TCRHCC
David Shortey, Navajo Risk Management, PO Box 1690, Window Rock, AZ 86515
Ken Secord, Director, OEHE-Division of Environmental Health Services, NAIHS, Window Rock, AZ
File-Tonalea Chapter House

TUBA CITY REGIONAL HEALTH CARE CORPORATION
Division of Environmental Health Services

167 North Main Street, P.O. Box 600
Tuba City, Arizona 86045-0600
(928) 283-2844

Inc. 1-19-01

October 15, 2012

Mr. Chester Claw, Chapter President
Mr. Steven Arizana, Chapter Vice-President
Nora Fowler, Chapter Secretary
Tonalea Chapter
P.O. Box 207
Tonalea, AZ 86044

Tonalea Chapter Officials:

On October 15, 2012, Mr. Lyndon Endischee, Environmental Health Officer II, Ms. Angelita Chee, Environmental Health Technician, and I surveyed the Tonalea Chapter House. The purpose of the survey was to evaluate the structural integrity of the facility environment. In addition, to make recommendations for the improvement of existing services such as sanitation, safety practices, and management practices related to public health and safety at this facility.

The Tonalea Chapter meeting hall was constructed in 1959, and the remaining portion of the building was added-on during the 1970s. It appeared that the chapter house had undergone some recent renovations, but our office did not conduct plan reviews and approval. Copies of the Chapter House surveys on November 2001, December 2001 and February 2007 are attached. Pictures of the chapter house are also enclosed. The recommendation that a structural engineer evaluate the structural soundness of the chapter building was not done prior to the chapter renovations. The structural concerns that were addressed in the previous environmental health surveys in 2001 and 2007 have come to a point of being unsafe for the chapter employees, and the community at large.

The chapter compound to the south, west, and northwest is unsafe because of several abandoned buildings. A trailer on the south, storage building(s) on the west, and a Hogan structure to the northwest of the chapter house present safety hazards such that the structures are dilapidated, not repairable, and provide harborages (shelter) for animals and rodents. There were also numerous inoperable farm equipment and vehicles on the chapter compound that are beyond repair. Photos of the dilapidated structures are attached.

SUMMARY AND RECOMMENDATION:

THE TUBA CITY REGIONAL HEALTH CARE CORPORATION, DIVISION OF ENVIRONMENTAL HEALTH SERVICES, ACTING AS THE APPOINTED HEALTH ADVISORS FOR THE NAVAJO NATION RECOMMENDS:

1. **THAT THE TONALEA CHAPTER BE CLOSED DUE TO NUMEROUS INTER-RELATED CONTRIBUTING FACTORS THAT CAN ADVERSELY AFFECT THE CHAPTER STAFF AND THE GENERAL PUBLIC;**
2. **SEEK FUNDS TO REPLACE THE CHAPTER HOUSE FACILITY;**
3. **SUBMIT AS-BUILT PLANS FOR ANY NEW BUILDINGS TO OUR OFFICE;**
4. **THAT CONSTRUCTION NOT COMMENCE UNTIL A PLAN REVIEW OF THE BUILDING AS-BUILTS ARE REVIEWED AND APPROVED.**
5. **THAT CONSTRUCTION BE DONE BY PROFESSIONALS WITH WARRANTY COVERAGE AND RECOURSE FOR CORRECTIONS IF NECESSARY.**
6. **REMOVE ALL UNSAFE, DILAPIATED STRUCTURES, INOPERABLE HEAVY EQUIPMENT AND VEHICLES FROM THE CHAPTER COMPOUND TO ELIMINATE HEALTH AND SAFETY HAZARDS.**

If you have any questions regarding this environmental health survey, call our office at (928) 283-2844.

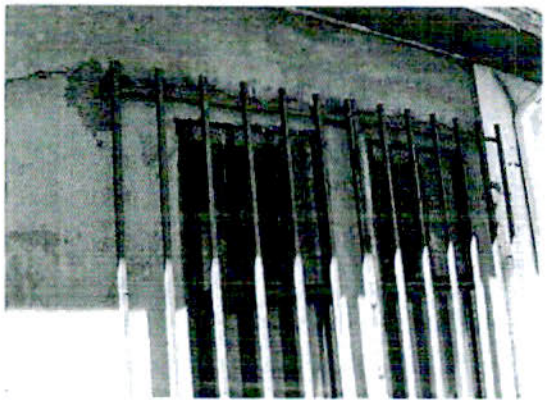
Sincerely,

Angie Maloney

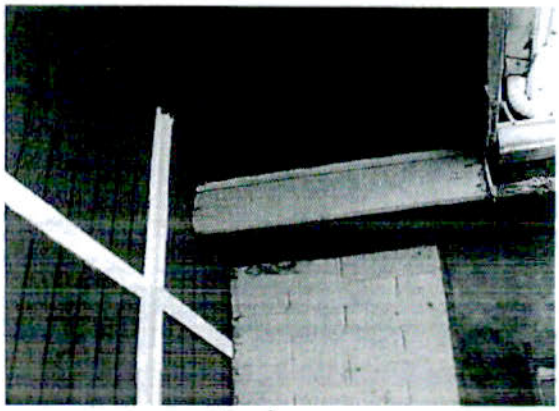
Angie Maloney, RS, MPH
District Sanitarian
Tuba City Regional Health Care Corporation

Xc: Director, DEHS, NAIHS, OEHE, Window Rock, AZ 86515
Herman Shorty, Navajo Division of Health, P.O. Box 1390, Window Rock, AZ 86515
Betty Tso, Community Service Coordinator, Tonalea Chapter House, P.O. Box 207, Tonalea, AZ 86044
File (80871850)

1 Jonalea Chapter House Closure 10/15/12



Chapter



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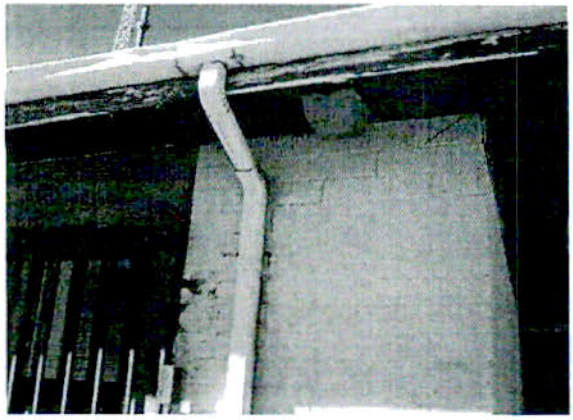

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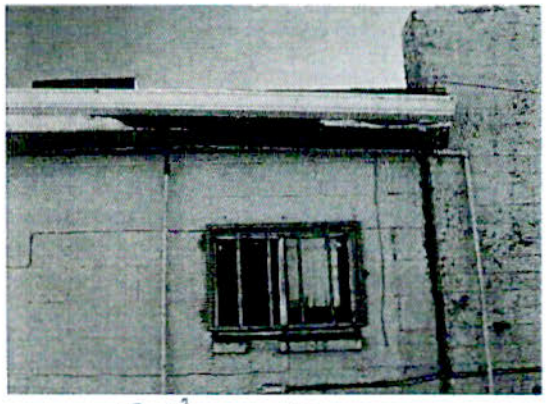

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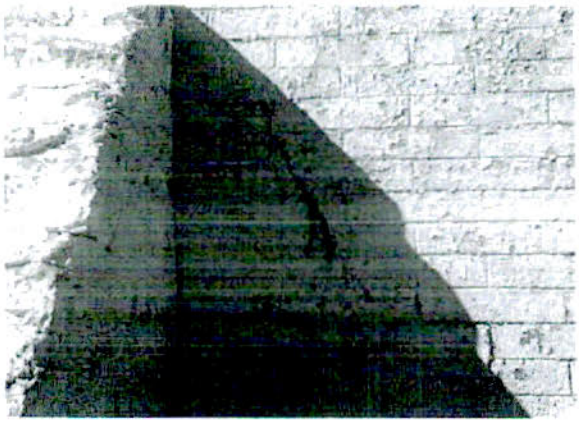

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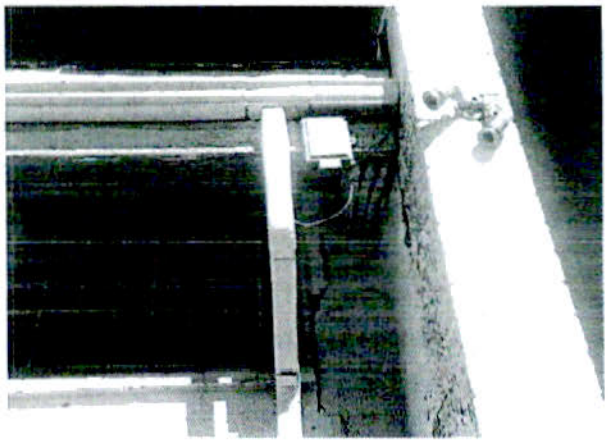

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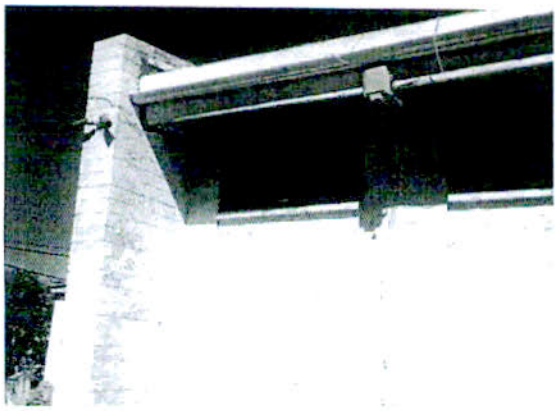

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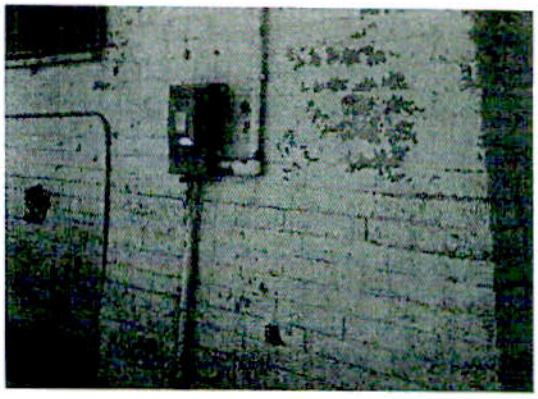

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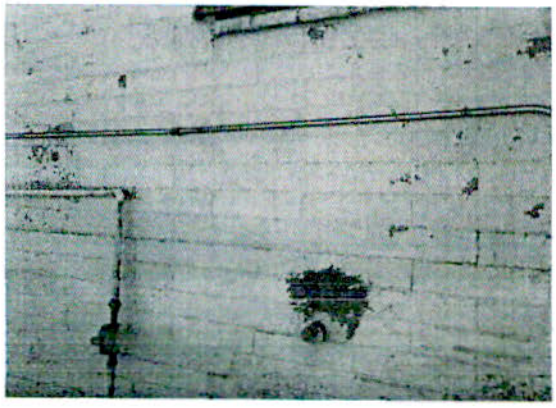

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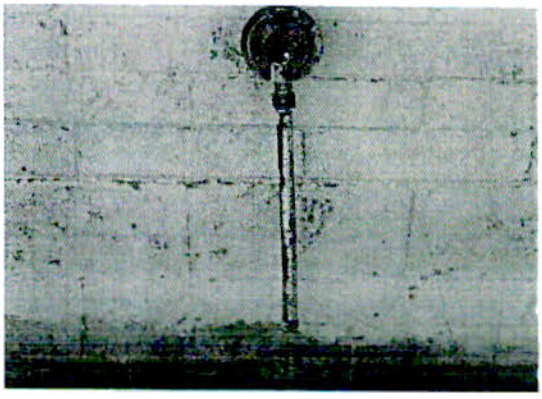

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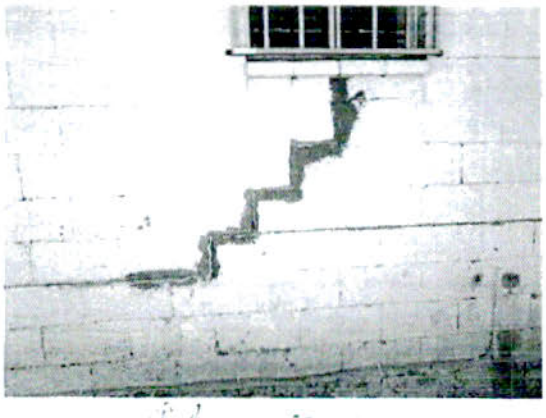

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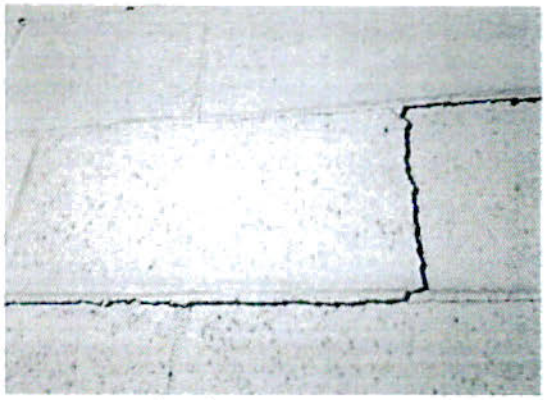

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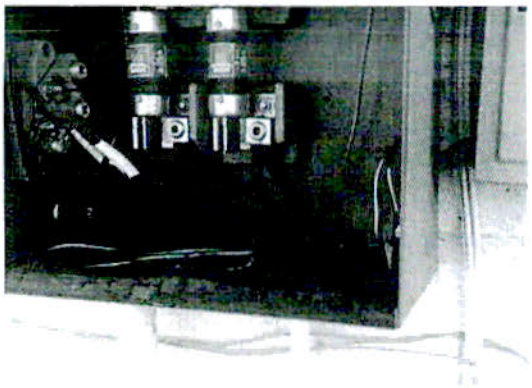

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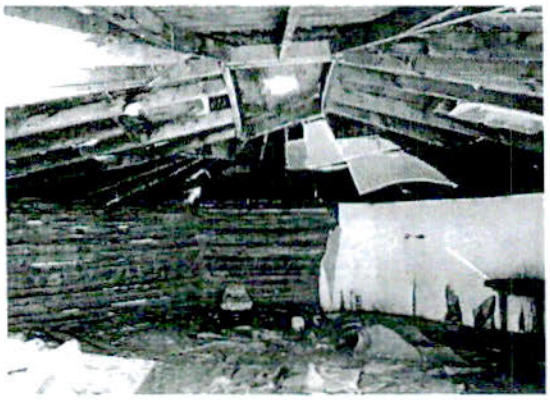

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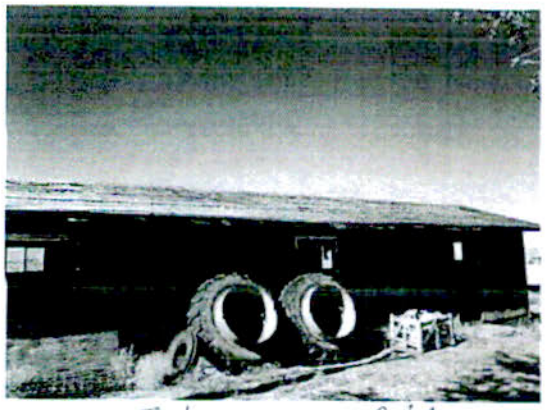

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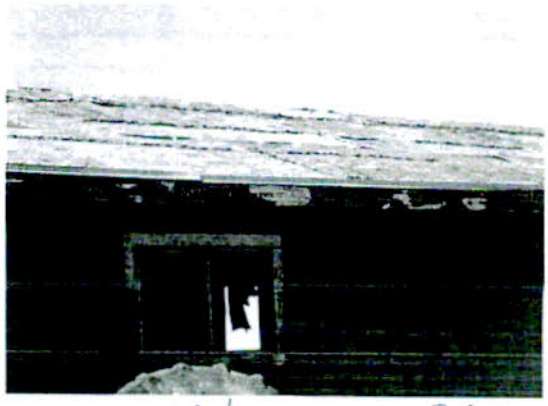

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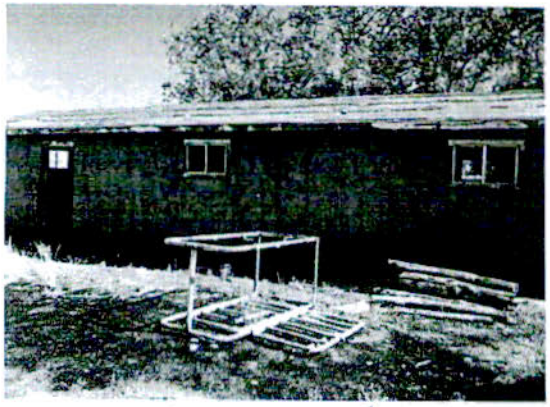

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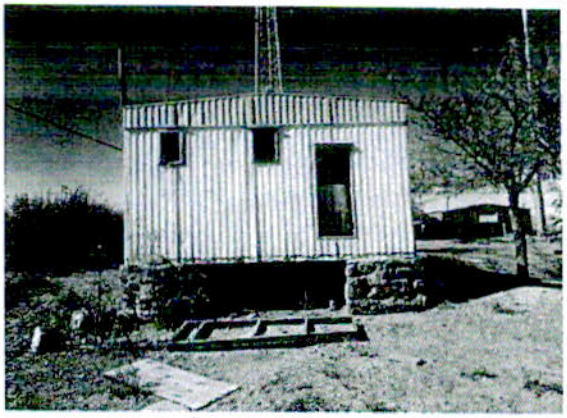


Trailer

Trailer

Trailer

The Navajo Nation
Occupational Safety & Health Administration

BEN SHELLY
President

REX LEE JIM
Vice President

MEMORANDUM

July 23, 2012

TO : Ms. Dorothy Scott
Community Services Coordinator
Cameron Chapter House

FROM : Shawnevan Dale
Senior Safety Officer
Navajo Occupational Safety & Health Administration

RE : Order of Closure

This letter shall serve as notice to the Building Owners/Occupants that the Navajo Occupational Safety & Health Administration (NOSHA) has closed your facility for the following reasons:

- Lack of Cooling.
  - No adequate cooling for staff members assigned to work location. Temperatures were in excess of 90 degrees which could lead to dehydration, fatigue as well as trigger health related illness (Especially in people with compromised immune systems)
- Lack of Potable water.
  - It was reported that the Tuba City Health Care Environmental Health Staff suggested closure of the kitchen & restrooms. Though "Porta-Johns" were provided, there was no potable water source for staff to sanitize and disinfect after facility uses. There was also a lack of hot water, which is required by Health Care Standards for such cleanup.

It is the responsibility of NOSHA to ensure that employers provide their employees a workplace free from recognized hazards and provides adequate toilet facilities. NOSHA's priority is to protect the general health and safety of employees; I also observed that Food Distribution Staff were also utilizing the meeting room facilities, which had a swamp cooler that was ineffective. The General public was also exposed to high temperatures in the facility while conducting business there. NOSHA will lift the order of closure once the facility is made occupiable by providing adequate cooling/heating, providing potable water and facilities.

We look forward to working with you in resolving this matter, please don't hesitate to contact me or the Director with any further questions or concerns pertaining to any safety related matter. I would strongly advise working with the Navajo Nation Safety Loss Control Program to address this matter in a timely and expeditious matter, they can be reached at (928) 871-6085.

Xc: Mr. William Lynch, PSI SLCP
Files

Telephone: 928.871.6742 • Facsimile: 928.871.6825
Post Office Box 1447 • Window Rock, AZ 86515
Website: www.nnosha.org

EXHIBIT 4

EXHIBIT: D

SIHASIN FUND POWERLINE AND CHAPTER CAPITAL PROJECTS
EXPENDITURE PLAN

NO.	CHAPTER	PROJECT DESCRIPTION	PROJECT TYPE (Pre-Design, Design, Design/Construction)	PROJECT DURATION	YEAR 1 FUNDING	YEAR 2 FUNDING	YEAR 3 FUNDING	MATCHING FUNDS (LEVERAGE)	SIHASIN FUNDS REQUESTED
124	Cornfields	Sunrise Low Water Crossing (Road)	Pre-Design	26-36 months	$0.00	$266,000.00	$0.00	$0.00	$266,000.00
125	Cornfields	Rural Address LRAC E-911	Design/Construction	12 months	$10,000.00	$0.00	$0.00	$0.00	$10,000.00
126	Cornfields	Backhoe Purchase	Purchase	6 months	$40,000.00	$0.00	$0.00	$25,000.00	$40,000.00
127	Cornfields	Green House	Design/Construction	12 months	$1,000.00	$0.00	$0.00	$1,000.00	$1,000.00
128	Kindalichii	Chapter House Parking Lot	Design/Construction	12-24 months	$94,731.32	$0.00	$0.00	$0.00	$94,731.32
129	Jeddito	Backhoe Purchase	Major Equipment	6 months	$107,064.66	$0.00	$0.00	$0.00	$107,064.66
130	Jeddito	Bathroom Addition (Goldwater Loop)	Design/Construction	18-24 months	$0.00	$363,134.33	$0.00	$0.00	$363,134.33
131	Jeddito	Bathroom Addition (Upper Highland/ Sitting Rk)	Design/Construction	18-24 months	$0.00	$363,134.34	$0.00	$0.00	$363,134.34
132	Steamboat	Old Chapter Renovation (Stone Bldg.)	Construction	8-12 months	$220,000.00	$0.00	$0.00	$0.00	$220,000.00
133	Steamboat	Chapter Building Renovation	Design/Construction	18-24 months	$0.00	$0.00	$400,000.00	$50,000.00	$400,000.00
134	Steamboat	Chapter Warehouse	Design/Construction	18-24 months	$0.00	$213,333.33	$0.00	$25,000.00	$213,333.33
135	Ganado	Senior Center Building	Design/Construction	18-24 months	$0.00	$833,333.34	$0.00	$0.00	$833,333.34
136	Coppermine	Backhoe	Major Equipment	4-6 months	$50,000.00	$0.00	$0.00	$0.00	$50,000.00
137	Coppermine	Multipurpose Building	Pre-Design	18-24 months	$0.00	$0.00	$200,000.00	$0.00	$200,000.00
138	Coppermine	Western Navajo Pipeline, Fireflow, Storage Tank	Design/Construction	18-24 months	$0.00	$400,000.00	$0.00	$0.00	$400,000.00
139	Kaibeto	Kaibeto Design Infrastructure	Design/Construction	18-24 months	$0.00	$370,000.00	$0.00	$0.00	$370,000.00
140	Tonalea	Government Building	Construction	8-12 months	$1,050,000.00	$0.00	$0.00	$0.00	$1,050,000.00
141	Klagetoh	Head Start Project	Pre-Design	8-12 months	$0.00	$400,000.00	$0.00	$0.00	$400,000.00
142	Lupton	Basketall Court Development	Pre-Design	12 months	$0.00	$53,795.00	$0.00	$0.00	$53,795.00
143	Lupton	Cemetery	Pre-Design	13 months	$0.00	$0.00	$100,000.00	$0.00	$100,000.00
144	Lupton	Warehouse Renovation	Pre-Design	14 months	$68,795.00	$0.00	$0.00	$0.00	$68,795.00

Job C01717 TONALEA CHPTR HS REPLACEMT BLD Thru Date 8/31/2019

Project 540 THE SIHASIN FUND

Cost Code	Cost Type	Description	L P M D E C UM	Original Budget Amt	Revised Budget Amt	Actual Amount	Open Commit Amount	Budget Balance	% Revised Spent	% Revised Remaining
	1996	Allocation	7 N	1,050,000.00-	1,050,000.00-			1,050,000.00-		1.00
	1991	Overhead Allocation	6 T	1,050,000.00-	1,050,000.00-			1,050,000.00-		1.00
	1990	Other Revenues	5 T	1,050,000.00-	1,050,000.00-			1,050,000.00-		1.00
	1850	Other Revenue Sources	4 T	1,050,000.00-	1,050,000.00-			1,050,000.00-		1.00
	1000	Revenues	3 T	1,050,000.00-	1,050,000.00-			1,050,000.00-		1.00
	9050	Building	6 B N	525,000.00	525,000.00			525,000.00		1.00
	9050	Building	6 T	525,000.00	525,000.00			525,000.00		1.00
	9070	CAP-Pro.Tech Services	6 B N	525,000.00	525,000.00			525,000.00		1.00
	9070	CAP-Pro.Tech Services	6 T	525,000.00	525,000.00			525,000.00		1.00
	9001	Real Property	5 T	1,050,000.00	1,050,000.00			1,050,000.00		1.00
	9000	Capital Outlay	4 T	1,050,000.00	1,050,000.00			1,050,000.00		1.00
	2000	Expenses	3 T	1,050,000.00	1,050,000.00			1,050,000.00		1.00

Resolution CAP-35-18
set up October 2018.

EXHIBIT 5

Document No. 013108 Date Issued: 08/07/2019

SECTION 164 REVIEW FORM

Title of Document: Tonalea Chapter-New Chapter House Contact Name: CODY, ANGELA

Program/Division: DIV. OF COMMUNITY DEVELOPMENT

Email: acody@navajo-nsn.gov Phone Number: (928) 362-6919

Division Director Approval for 164A:

Check document category; only submit to category reviewers. Each reviewer has a maximum 7 working days, except Business Regulatory Department which has 2 days, to review and determine whether the document(s) are sufficient or insufficient. If deemed insufficient, a memorandum explaining the insufficiency of the document(s) is required.

Section 164(A) Final approval rests with Legislative Standing Committee(s) or Council

			Sufficient	Insufficient
☐ **Statement of Policy or Positive Law:**				
1. OAG:		Date:	☐	☐
■ **IGA, Budget Resolutions, Budget Reallocations or amendments: (OMB and Controller sign ONLY if document expends or receives funds)**				
1. OMB:	D Begal - See Memo	Date: 8-16-19	☐	✓
2. OOC:		Date: 8-20-19	☐	✓
3. OAG:		Date: 8-22-19	✓	☐

Section 164(B) Final approval rests with the President of the Navajo Nation

☐ **Grant/Funding Agreement or amendment:**				
1. Division:		Date:	☐	☐
2. OMB:		Date:	☐	☐
3. OOC:		Date:	☐	☐
4. OAG:		Date:	☐	☐
☐ **Subcontract/Contract expending or receiving funds or amendment:**				
1. Division:		Date:	☐	☐
2. BRD:		Date:	☐	☐
3. OMB:		Date:	☐	☐
4. OOC:		Date:	☐	☐
5. OAG:		Date:	☐	☐
☐ **Letter of Assurance/M.O.A./M.O.U./Other agreement not expending funds or amendment:**				
1. Division:		Date:	☐	☐
2. OAG:		Date:	☐	☐
☐ **M.O.A. or Letter of Assurance expending or receiving funds or amendment:**				
1. Division:		Date:	☐	☐
2. OMB:		Date:	☐	☐
3. OOC:		Date:	☐	☐
4. OAG:		Date:	☐	☐

THE NAVAJO NATION

JONATHAN NEZ | PRESIDENT MYRON LIZER | VICE PRESIDENT

Memorandum:

To: 2 NNC § 164 Reviewers

Delegates & 2 NNC '164 Reviewers
Navajo Nation Government

From: Robert Willie, Accounting Manager
Office of the Controller

Date: August 20, 2019

Subject: 164- 013108- Tonalea Chapter-New Chapter House.

The Office of the Controller has reviewed the above referenced document.

1. The balance of the UUFB is $37,960,422 as of June 20, 2019. Within the Three Branch Chief agreement an amount of $21,000,000 is intended to be set aside as part of the FY 2020 comprehensive budget to address the impending FY 2021 projected General Fund Revenue decrease. Unmet needs amounts have yet to be determined but would also reduce this available amount. In addition, there are requests from the UUFB for water rights and DALTC that would further reduce the amount of the UUFB.
2. The amount of the Sihasin Fund is $341,623,953 as of the last Controller's report dated July 12, 2019 for the NN Council Summer Session.
3. Supplemental Funding Proposal Summary form indicates the Sihasin or Undesignated, Unreserved Fund Balance as the funding source. The budget forms attach indicate Sihasin Fund. This would need to have correct funding source identified.
4. This funding request is in the amount of $3,000,000, for construction of a new Tonalea Chapter replacement building.
5. This request would be considered a non-recurring expense.

If you should have any questions you can contact me at tribal extension X6125

NAVAJO NATION OFFICE OF THE CONTROLLER
P.O.BOX 3150 · WINDOW ROCK, AZ 86515 · PHONE: (928)871-6398 · FAX: (928)871-6026

THE NAVAJO NATION

JONATHAN NEZ | PRESIDENT MYRON LIZER | VICE PRESIDENT

August 16, 2019

MEMORANDUM

To: Executive Order 164 Reviewers

From: Dominic Beyal, Executive Director
Office of Management and Budget

Subject: 164 Review Document No. 013108-Funding Proposal by Tonalea/Red Lake Chapter for the New Chapter Replacement in the amount of $3,000.000

Pursuant to Presidential Executive Order 07-2013 requiring review, OMB provides the following comments.

1. It is not clear on the funding amount(s). The Supplemental Form and Budget Form 1 states $3M, but the proposal narrative, page 9, also shows $3M as the total need. However, $1,050,000 from Sihasin Funds was allocated to this project (see attachment) and Tonalea Chapter will provide match funding in the amount of $263,203.33.
2. The Office of the Controller says the UUFB has an amount of $37,960,422 available at this time. This project appears to be eligible for funding from this source.
3. OMB did an earlier review of a similar proposal and it appears this document is the corrected version.
4. Because of the limited availability of funds, OMB advises the Branch Chiefs to prioritize all supplemental funding proposals pursuant to FY 2019 Budget Resolution CS-68-18 (paragraph 'M'), the FY 2019 Budget Instructions Manual Section XIV, and the Appropriations Act. This activity should be completed by each Branch Chief to determine priorities.

Should there be any questions, contact Selena Begay, Senior Budget Analyst at 928 871-6470.

Attachments:

xc: OMB File

RECEIVED
AUG 22 2019
OFFICE OF LEGISLATIVE COUNSEL

NAVAJO NATION DEPARTMENT OF JUSTICE

DOCUMENT REVIEW REQUEST FORM

RECEIVED
AUG 21 2019
DEPARTMENT OF JUSTICE
RECEPTIONIST DESK

☐ RESUBMITTAL

DOJ
8/21/19 @ 2:18 pm
DATE / TIME
☑ 7 Day Deadline
DOC #: 013108
SAS #:
UNIT:

*** FOR NNDOJ USE ONLY - DO NOT CHANGE OR REVISE FORM. VARIATIONS OF THIS FORM WILL NOT BE ACCEPTED. ***

CLIENT TO COMPLETE

DATE OF REQUEST: 8/21/2019 ENTITY/DIVISION: DCD
CONTACT NAME: Angie Cody DEPARTMENT: Tonalea Chapter
PHONE NUMBER: (928) 326-6919 E-MAIL: acody@navajo-nsn.gov

TITLE OF DOCUMENT: 164 Review - Tonalea Chapter - New ~~House~~ Chapter House

DOJ SECRETARY TO COMPLETE

DATE/TIME IN UNIT: 8/21/19 @ 3pm REVIEWING ATTORNEY/ADVOCATE: Rodgerick

DATE/TIME OUT OF UNIT:

DOJ ATTORNEY / ADVOCATE COMMENTS

Legally sufficient because it is a non-recurring expense for use of the UUFB and also qualifies for use of Sihasin Funds. DOJ otherwise

REVIEWED BY: (*PRINT*)	DATE / TIME	SURNAMED BY: (*PRINT*)	DATE / TIME
Rodgerick Begay	8-22-19	Rod Begay	8-22-19 11:02a

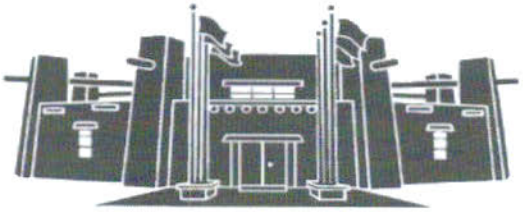
DOJ Secretary Called: Angie Cody for Document Pick Up on 8/22/19 at 11:45 By: ob

PICKED UP BY: (*PRINT*) DATE / TIME:

NNDOJ/DRRF-July 2013

notes that the total estimate from the Architect is $3,485,125.64 but the Chapter Proposal records it as $3,000,000.00. Additionally, under a prior Sihasin award (CAP-35-15), the Chapter was awarded $1,050,000 for a "Government Building" which may or may not be the subject Chapter Building. The Navajo Nation Council may need to reduce the amount accordingly.

Office of Legislative Counsel
Telephone: (928) 871-7166
Fax # (928) 871-7576



Honorable Seth Damon
Speaker
24th Navajo Nation Council

MEMORANDUM

TO: Honorable Paul Begay
Coppermine, K'aii'to, LeChee, Tonalea/Red Lake, Bodaway/Gap) Chapters

FROM: Mariana Kahn
Mariana Kahn, Attorney
Office of Legislative Counsel

DATE: August 29, 2019

SUBJECT: A PROPOSED NAVAJO NATION COUNCIL RESOLUTION; AN ACTION RELATING TO BUDGET AND FINANCE COMMITTEE, RESOURCES AND DEVELOPMENT COMMITTEE AND NAABIK'ÍYÁTI' COMMITTEE AND NAVAJO NATION COUNCIL; ALLOCATING $3,000,000 FROM THE SÍHASIN FUND TO THE DIVISION OF COMMUNITY DEVELOPMENT ON BEHALF OF THE TONALEA CHAPTER AND APPROVING AND ADOPTING THE TONALEA CHAPTER COMMUNITY BUILDING REPLACEMENT FUND EXPENDITURE PLAN PURSUANT 12 N.N.C §§ 2501 – 2508

I have prepared the above-referenced proposed resolution and associated legislative summary sheet pursuant to your request for legislative drafting.

Based on existing law and review of documents submitted, the resolution as drafted is legally sufficient. As with any action of government however, it can be subject to review by the courts in the event of proper challenge. The Office of Legislative Counsel confirms the appropriate standing committee(s) based on the standing committees powers outlined in 2 N.N.C. §§301, 401, 501, 601 and 701. Nevertheless, "the Speaker of the Navajo Nation Council shall introduce [the proposed resolution] into the legislative process by assigning it to the respective oversight committee(s) of the Navajo Nation Council having authority over the matters for proper consideration." 2 N.N.C. §164(A)(5). You are encouraged to review the proposed resolution to ensure that it is drafted to your satisfaction.

THE NAVAJO NATION
LEGISLATIVE BRANCH
INTERNET PUBLIC REVIEW PUBLICATION

LEGISLATION NO: 0262-19 **SPONSOR: Paul Begay**

TITLE: An Action Relating To Budget And Finance Committee, Resources And Development Committee And NAABIK'IYATI' Committee, And Navajo Nation Council; Allocating $3,000,000 From The Síhasin Fund To The Division Of Community Development On Behalf Of The Tonalea Chapter And Approving And Adopting The Tonalea Chapter Community Building Replacement Fund Expenditure Plan Pursuant 12 N.N.C §§ 2501 – 2508

***Date posted*: August 30, 2019 at 5:05 PM**

Digital comments may be e-mailed to comments@navajo-nsn.gov

Written comments may be mailed to:

Executive Director
Office of Legislative Services
P.O. Box 3390
Window Rock, AZ 86515
(928) 871-7586

Comments may be made in the form of chapter resolutions, letters, position papers, etc. Please include your name, position title, address for written comments; a valid e-mail address is required. Anonymous comments will not be included in the Legislation packet.

Please note: This digital copy is being provided for the benefit of the Navajo Nation chapters and public use. Any political use is prohibited. All written comments received become the property of the Navajo Nation and will be forwarded to the assigned Navajo Nation Council standing committee(s) and/or the Navajo Nation Council for review. Any tampering with public records are punishable by Navajo Nation law pursuant to 17 N.N.C. *§374 et. seq.*

THE NAVAJO NATION
LEGISLATIVE BRANCH
INTERNET PUBLIC REVIEW SUMMARY

LEGISLATION NO.: 0262-19

SPONSOR: Honorable Paul Begay

TITLE: An Action Relating To Budget And Finance Committee, Resources And Development Committee And Naabik'íyáti' Committee, And Navajo Nation Council; Allocating $3,000,000 From The Síhasin Fund To The Division Of Community Development On Behalf Of The Tonalea Chapter And Approving And Adopting The Tonalea Chapter Community Building Replacement Fund Expenditure Plan Pursuant 12 N.N.C §§ 2501 – 2508

Posted: August 30, 2019 at 5:05 PM

5 DAY Comment Period Ended: September 4, 2019

Digital Comments received:

Comments Supporting	**1) Cindy Covey, Tonalea Community**
Comments Opposing	***None***
Inconclusive Comments	**1) Henry Fowler**

Legislative Tracking Secretary
Office of Legislative Services

9/5/19 8:26AM
Date/Time

Tonalea Chapter Replacement

Cindy Covey <csjscovey2@gmail.com>

Sun 9/1/2019 8:16 PM

To: comments <comments@navajo-nsn.gov>;

Dear Honorable 24th Navajo Nation Council,

Thank you for providing me the opportunity to provide a comment on

LEGISLATION NO. 0262-19, our Tonalea Chapter replacement building. We have been without a chapter house for quite some time now. We have been meeting in the Tonalea Senior Center, which has a low capacity, providing only spa e for a few people, which does not allow for many of our community members to attend every chapter meeting and discuss numerous topics and decisions to be made for our community.
On behalf if our Tonalea community, I plead with you to vote in favor, so we can begin finalizing our shovel ready project, which is the first item on our CIP listing.

Thank you so much for your vote and helping us get our new chapter building.
Sincerely,
Cindy S Covey and Tonalea Community.

Support

henry fowler <henry_hf@hotmail.com>

Wed 9/4/2019 3:11 PM

To: comments <comments@navajo-nsn.gov>;

Tonalea has been without a Chapter House for years. The community members are meeting at local faith organizations, hay barn, and Tonalea Senior Citizen to have their monthly meeting. The new Chapter House will centralize our local governance and ensure the prosperity of our community.
Warmly,
Henry Fowler

Sent from Outlook