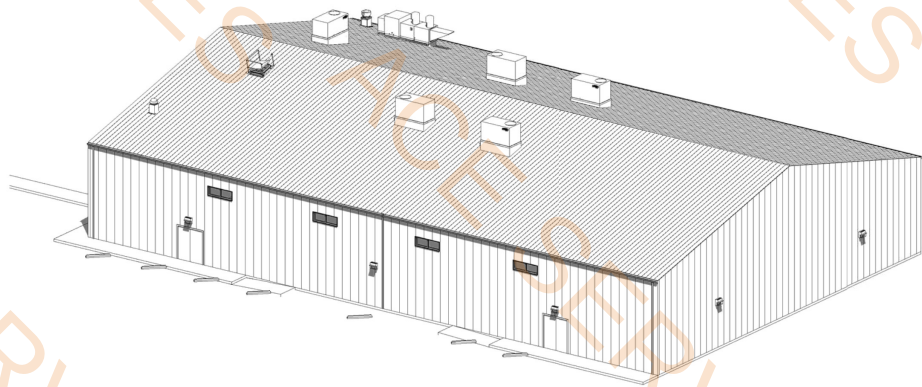




7 MILE COMMUNITY CENTER SAN CARLOS APACHE TRIBE SAN CARLOS APACHE INDIAN RESERVATION SAN CARLOS, ARIZONA JANUARY 2019

100% DRAWINGS

DRAWING INDEX

DRAWING NO.	SHEET TITLE
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GENERAL

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G-102	CODE DATA
G-103	LIFE SAFETY PLAN

CIVIL

---	SITE SURVEY
C-200	GRADING AND DRAINAGE PLAN
C-300	WATER AND SEWER PLAN
C-400	EROSION CONTROL PLAN
C-500	CIVIL DRAWINGS
C-501	CIVIL DETAILS
C-502	CIVIL DETAILS
C-510	WATER DETAILS
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ARCHITECTURE

ASD-101	ARCHITECTURAL SITE PLAN DEMO
AS-101	ARCHITECTURAL SITE PLAN
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A-101	FLOOR PLAN
A-102	REFLECTED CEILING PLAN
A-103	ROOF PLAN
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A-501	DETAILS
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S-102	FOUNDATION PLAN
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PLUMBING

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P-102	PLUMBING WATER PLAN
P-501	PLUMBING DETAILS

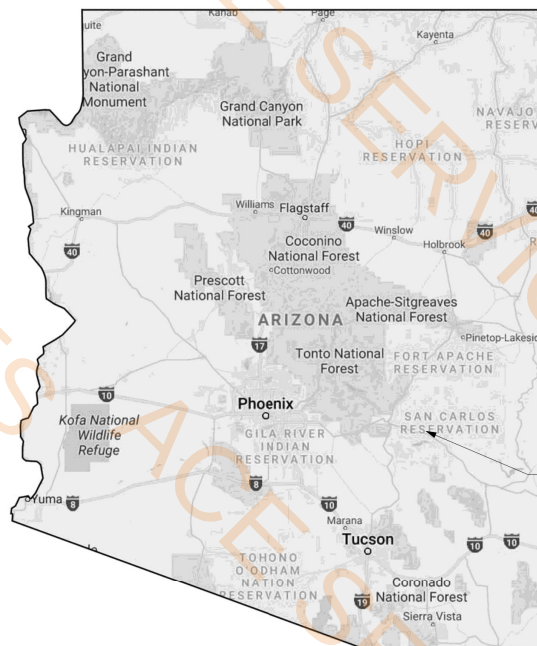
MECHANICAL

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M-102	MECHANICAL ROOF PLAN
M-501	MECHANICAL DIAGRAMS
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ELECTRICAL

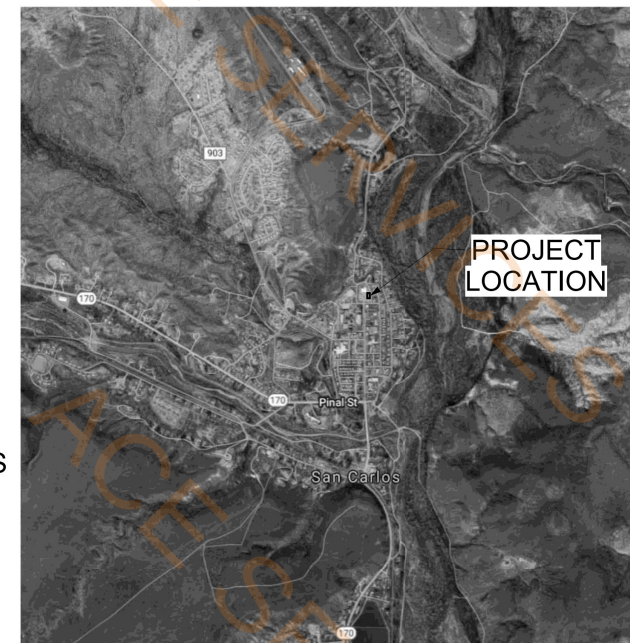
ES-101	ELECTRICAL SITE PLAN
E-001	ELECTRICAL SYMBOL & LEGEND
E-101	ELECTRICAL POWER AND RECEPTACLE
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E-105	ELECTRICAL LIGHTNING PROTECTION PLAN
E-501	ELECTRICAL DETAILS
E-502	ELECTRICAL DETAILS
E-601	ELECTRICAL ONE-LINE DIAGRAM
E-701	ELECTRICAL SCHEDULES

STATE MAP



SAN CARLOS

LOCATION MAP



PROJECT TEAM

ARCHITECTURAL/PLUMBING/MECHANICAL/ELECTRICAL

ROCK GAP ENGINEERING
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TERRAFORM DEVELOPMENT, LLC
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FLAGSTAFF, ARIZONA 86001
PH: 928.864.5022
CONTACT: STANFORD LAKE, P.E.

CIVIL

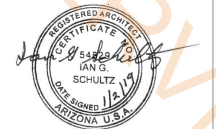
HOZHO ENGINEERING, LLC
2733 E. LAKIN DRIVE SUITE #2
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CONTACT: ALTON L. WILLIAMS, P.E.



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100% CONSTRUCTION
DRAWINGS

REGISTRATION



Exp. 12/31/2019

CLIENT/PROJECT

7 MILE COMMUNITY CENTER
SAN CARLOS APACHE TRIBE
SAN CARLOS APACHE INDIAN RESERVATION
SAN CARLOS, ARIZONA

ISSUE

0	01-2019	100% CONSTRUCTION SET
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PROJECT NO:

CAD DWG FILE:

DRAWN BY:

CHECKED BY:

ROCK GAP ENGINEERING

PROJECT NO.

DATE:

JANUARY 2, 2019

SHEET TITLE

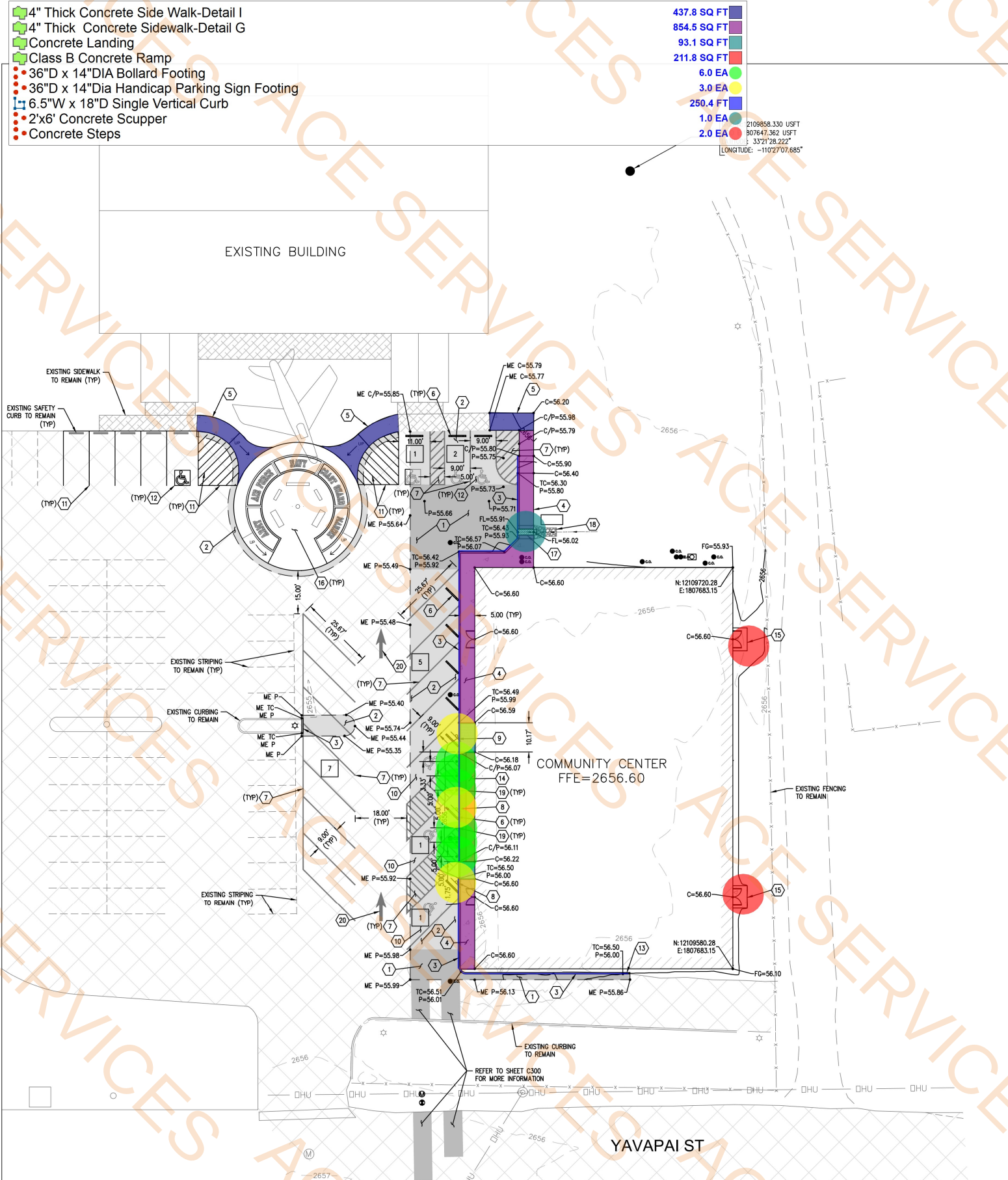
COVER SHEET

G-101

SHEET OF

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GENERAL GRADING AND DRAINAGE NOTES

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL QUANTITIES INCLUDING EXCAVATION, BORROW, EMBANKMENT, SHRINK OR SWELL, GROUND COMPACTION, HAUL, AND ANY OTHER ITEMS PRIOR TO CONSTRUCTION TO COMPLETE THE GRADING TO THE ELEVATIONS SHOWN ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY MAJOR DISCREPANCIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND MECHANICAL PLANS AND SPECIFICATIONS FOR BUILDING DIMENSIONS AND ACTUAL LOCATIONS OF ALL UTILITIES ENTERING THE BUILDING INCLUDING SANITARY SEWER LATERALS, DOMESTIC WATER, ELECTRIC, TELEPHONE, AND GAS SERVICES.
- ELEVATIONS REFERRED TO HEREIN ARE DESIGN ELEVATIONS ONLY. ANY FIELD DESIGN CHANGES PROPOSED BY THE CONTRACTOR SHALL REQUIRE PRIOR WRITTEN APPROVAL BY THE ARCHITECT, OWNER OR OWNER'S REPRESENTATIVE.
- EARTHWORK SHALL CONFORM TO PROJECT SPECIFICATIONS AND GEOTECHNICAL EVALUATION REPORT PREPARED BY WESTERN TECHNOLOGIES, INC. (INCLUDED IN THE SPECIFICATIONS).
- DRAINAGE DITCHES/SWALES LOCATED AROUND THE BUILDING SHALL BE GRADED TO DRAIN AND DISCHARGE AWAY FROM THE ALL BUILDINGS. ALL AREAS BEYOND DITCHES/SWALES GRADING SHALL REMAIN INTACT.
- PROPOSED UNPAVED FINISHED GRADES ADJACENT TO THE BUILDING FOUNDATIONS SHALL SLOPE AWAY FROM THE BUILDING FOUNDATION AT A 5% MINIMUM SLOPE FOR A MINIMUM DISTANCE OF 10 FT.
- ANY UTILITY ADJUSTMENTS SHALL BE IN ACCORDANCE WITH UTILITY AUTHORITY AND SPECIFICATIONS.
- FINISH GRADE SHALL BE UNIFORMED AND SMOOTH PER THE PROJECT SPECIFICATIONS.
- IMPORTED MATERIAL SHALL BE TESTED IN CONFORMANCE WITH THE GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS.

CONSTRUCTION NOTES

- CONSTRUCT 3" A.C. MIN. OVER 6" A.B.C. PER SPECIFICATIONS AND GEOTECHNICAL EVALUATION REPORT PREPARED BY WESTERN TECHNOLOGIES INC. JOB NO. 2128Y123, DATED SEPTEMBER 10, 2018. SEE HIGH TRAFFIC ASPHALT SECTION IN DETAIL "A" ON DETAIL SHEET C500.
- CONSTRUCT 2.5" A.C. MIN. OVER 5" A.B.C. PER SPECIFICATIONS AND GEOTECHNICAL EVALUATION REPORT PREPARED BY WESTERN TECHNOLOGIES INC. JOB NO. 2128Y123, DATED SEPTEMBER 10, 2018. SEE LOW TRAFFIC ASPHALT SECTION IN DETAIL "A" ON DETAIL SHEET C500.
- CONSTRUCT SINGLE VERTICAL CURB PER DETAIL "B" ON DETAIL SHEET C500.
- CONSTRUCT CONCRETE SIDEWALK ALONG CURBING PER DETAIL "G" ON DETAIL SHEET C500.
- CONSTRUCT CONCRETE SIDEWALK PER DETAIL "I" ON DETAIL SHEET C500.
- CONSTRUCT PRECAST SAFETY CURB PER DETAIL "H" ON DETAIL SHEET C500.
- INSTALL 4" SOLID YELLOW LINE.
- INSTALL HANDICAP PARKING SIGN PER DETAILS "B" AND "C" ON DETAIL SHEET C501.
- INSTALL VAN ACCESSIBLE HANDICAP PARKING SIGN PER DETAILS "B" AND "C" ON DETAIL SHEET C501.
- INSTALL HANDICAP ACCESSIBLE PARKING PER DETAIL "K" ON DETAIL SHEET C500.
- RE-STRIPE EXISTING STRIPING WITH 4" SOLID YELLOW LINE.
- RE-STRIPE EXISTING HANDICAP SYMBOL. MATCH EXISTING STRIPING AND SYMBOL.
- CONSTRUCT CURB TERMINATION PER DETAIL "J" ON DETAIL SHEET C500.
- CONSTRUCT CURB RAMP PER DETAIL "A" ON DETAIL SHEET C501.
- CONSTRUCT CONCRETE DOOR STOOPS PER DETAIL "Y" ON DETAIL SHEET C500.
- CONSTRUCT VETERANS MEMORIAL MONUMENT PER DETAILS ON ARCHITECTURAL PLANS.
- CONSTRUCT 2" WIDE CONCRETE SCUPPER WITH STEEL PLATE TOP PER DETAIL "D" ON DETAIL SHEET C501.
- CONSTRUCT SCUPPER RIPRAP PER DETAIL "A" ON DETAIL SHEET C502.
- CONSTRUCT BOLLARD PER DETAIL "C" ON DETAIL SHEET C502.
- INSTALL WHITE STANDARD ARROW PAVEMENT MARKING PER MUTCD.

STRIPING LEGEND

PARKING STALL COUNT

HATCH LEGEND

- LOW TRAFFIC DRIVE AREAS (2.5" AC OVER 5" ABC)
- MAJOR ACCESS DRIVE AREAS (3" AC OVER 6" ABC)
- EXISTING AC PAVEMENT TO REMAIN
- EXISTING CONCRETE TO REMAIN

LEGEND

- BOUNDARY LINE
- PROPOSED WATER LINE
- PROPOSED SEWER MAIN
- PROPOSED FENCE
- EXISTING WATER LINE
- EXISTING SEWER MAIN
- EXISTING FENCE
- EXISTING OVERHEAD ELECTRIC
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND GAS LINE
- EXISTING TELECOMMUNICATIONS LINE
- PROPOSED REDUCER
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- WATER METER
- CURB STOP
- DOMESTIC STOP
- CLEANOUT
- PROPOSED SEWER MANHOLE
- EXISTING SEWER MANHOLE
- FIRE HYDRANT

GRADING DESCRIPTIONS LEGEND

- FFE FINISH FLOOR ELEV.
- FG FINISH GROUND ELEV.
- P ASPHALT PAVEMENT ELEV.
- C CONCRETE PAVEMENT ELEV.
- BC BACK OF CURB ELEV.
- TC TOP OF CURB ELEV.
- FL FLOWLINE ELEV.
- CL CENTER LINE
- ME MATCH EXISTING ELEV.

DESIGNER/CONSULTANTS

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REGISTRATION



CLIENT/PROJECT

7 MILE COMMUNITY CENTER
SAN CARLOS APACHE TRIBE
SAN CARLOS APACHE INDIAN RESERVATION
SAN CARLOS, ARIZONA

ISSUE

PROJECT NO:
CAD DWG FILE:
DRAWN BY: Author
CHECKED BY: Checker
ROCK GAP ENGINEERING
PROJECT NO. 18-132-01

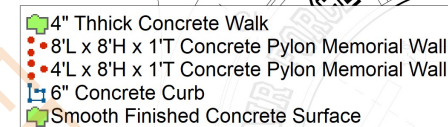
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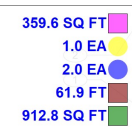
**GRADING AND
DRAINAGE PLAN**

C-200

SHEET OF



1 DRIVER
3/16" = 1'-0"



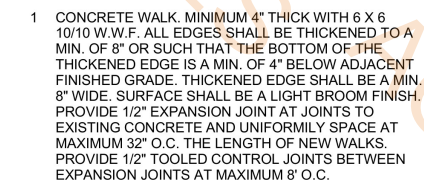
2 $\frac{3}{16}'' = 1'-0''$



3 $\frac{3}{8}'' = 1'-0''$



3/8" = 1'-0"



- 2 SLOPE LESS THAN 1:20.
- 3 2" DIA. STEEL PIPE RAILING AND POSTS, SPACE POSTS AT MAX. 4' O.C.
- 4 6" CONCRETE CURB.
- 5 78" L X 31" W X 19" H PREFABRICATED CONCRETE BENCH, BELSON OUTDOORS: MODEL TF5021. COLOR: GRAY/CLEAR, OR APPROVED EQUAL.
- 6 FINISHED SURFACE 12" ABOVE FINISHED GRADE.
- 7 4' WIDE X 8' TALL X 1" THICK CONCRETE PYLON MEMORIAL WALL. SEE SHEET AS-103.
- 8 8' WIDE X 8' TALL X 1" THICK CONCRETE PYLON MEMORIAL WALL. SEE SHEET AS-103.
- 9 SMOOTH FINISHED CONCRETE. EPOXY PAINTED SURFACE AND ARMED FORCES SERVICES NAMES WILL BE APPLIED BY THE OWNER.
- 10 SLOPE DOWN AWAY FROM ALUMINUM FLAG POLE AT 1/4" PER FOOT.
- 11 30" TALL (MIN. 125" WALL MATERIAL) ALUMINUM FLAGPOLE WITH GOLD ANODIZED ORNAMENT, STATIONARY TRUCK, 5/16" BRAIDED POLYPROPYLENE HALYARD, 4 STAINLESS STEEL SWIVEL SNAP HOOKS, 9" CAST ALUMINUM CLEAT, AND SPUN ALUMINUM COLLAR. INSTALL IN ACCORDANCE WITH MANUFACTURER'S DETAILS, SPECIFICATION AND RECOMMENDATIONS.
- 12 6" TALL RAISED CONCRETE BASE.
- 13 3" DIA. X 12" LONG STEEL PIPE SLEEVE EMBEDDED IN CONCRETE. PACK WITH GROUT AFTER INSTALLATION OF POSTS.
- 14 ASPHALT PAVEMENT OR FINISHED GRADE.
- 15 2" DIA. PVC PIPE FOR DRAINAGE.



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REGISTRATION



CLIENT/PROJECT

7 MILE COMMUNITY CENTER
SAN CARLOS APACHE TRIBE
SAN CARLOS APACHE INDIAN RESERVATION
SAN CARLOS, ARIZONA

ISSUE

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PROJECT NO:	
CAD DWG FILE:	
DRAWN BY:	
CHECKED BY:	
ROCK GAP ENGINEERING PROJECT NO.	18-132-07

DATE: JANUARY 2, 2019

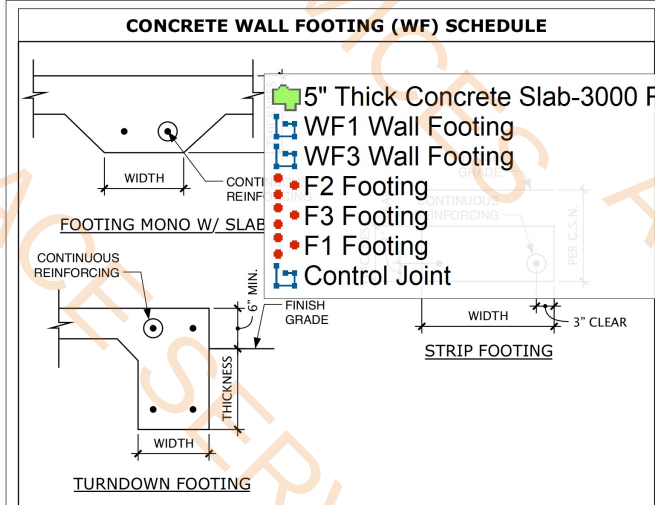
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SITE PLAN DETAILS

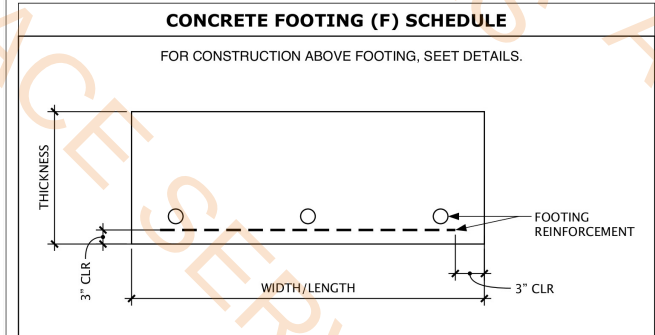
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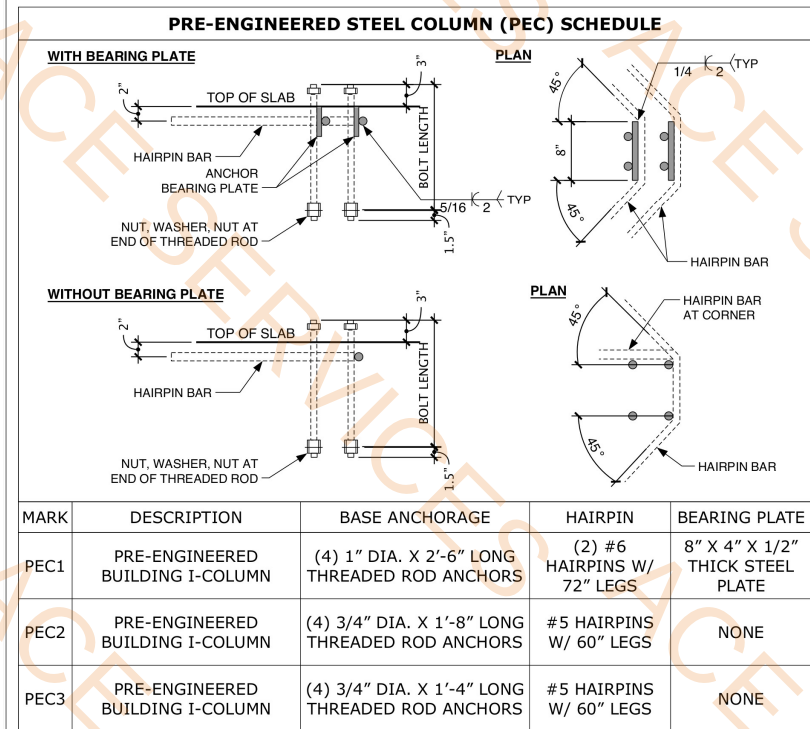
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MARK	DIMENSIONS		FOOTING REINFORCING	FOOTING TYPE
	WIDTH	THICKNESS		
WF1	12"	18"	(1) #4 CONTINUOUS TOP AND BOTTOM	TURNDOWN
WF2	16"	10"	(2) #4 CONTINUOUS	MONO W/ SLAB
WF3	24"	18"	(2) #4 CONTINUOUS TOP AND BOTTOM	TURNDOWN



MARK	DIMENSIONS			FOOTING REINFORCING	REMARKS
	LENGTH	WIDTH	THICKNESS		
F1	36"	36"	18"	(7) #4 EACH WAY	---
F2	48"	48"	24"	(10) #4 EACH WAY	---
F3	60"	60"	30"	(6) #5 EACH WAY	TOP AND BOTTOM



WALL SCHEDULE

NOTE: - HATCHING INDICATES STRUCTURAL ELEMENT CONTIGUES TO THE NEXT LEVEL (VERIFY WITH ARCHITECTURAL DRAWING)
- SEE PLAN SCHEDULE, DETAILS, AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION

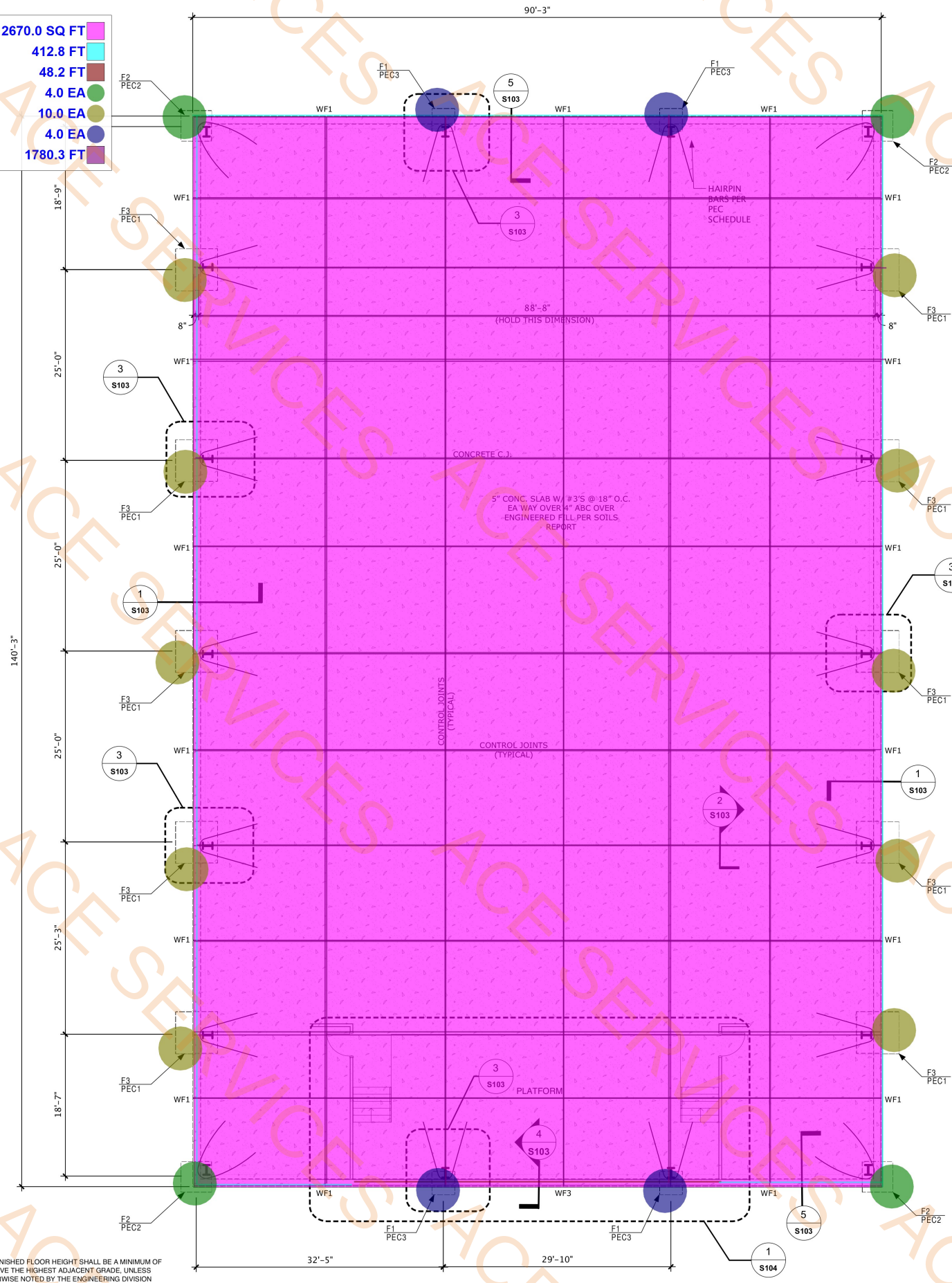
AS SEEN ON PLANS INDICATES -

6" WOOD STUD WALL
STUDS: 2X6 @ 16" O.C.
1 TRIMMER/ 1 KING STUD EACH JAMB U.N.O
BEAM/GIRDER POSTS: DOUBLE STUD (MIN. U.N.O)
SHEARWALL ENDPOSTS: DOUBLE STUD (MIN. U.N.O)

FOUNDATION PLAN NOTES

- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THE PROJECT.
- THE DEPTH OF FOOTING DIMENSION INDICATED IN THE G.S.N. IS A MINIMUM. FOUNDATION CONTRACTOR SHALL COORDINATE WITH THE SOILS REPORT AND OTHER TRADES TO INSURE THAT THESE MINIMUMS ARE SUFFICIENT FOR THE WORK. SEE TYPICAL DETAILS FOR ADDITIONAL REQUIREMENTS.
- WF1,WF2, ETC. - AS SHOWN ON PLAN INDICATES A CONTINUOUS WALL FOOTING. SEE WALL FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
- F1,F2, ETC. - AS SHOWN ON PLAN INDICATES A CONCRETE FOOTING. SEE FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
- PEC1, ETC. - AS SHOWN ON PLAN INDICATES A COLUMN. SEE COLUMN SCHEDULE FOR ADDITIONAL INFORMATION. COLUMNS START AT THE LEVEL THEY ARE CALLED OUT ON.
- CONC. C.J. - AS SHOWN ON PLAN INDICATES LOCATION OF EITHER A KEYED OR A SAW CUT CONTROL JOINT IN THE SLAB ON GRADE AT CONTRACTOR'S OPTION. SEE GENERAL STRUCTURAL NOTES AND DETAIL.
- VERIFY EXACT SIZE AND LOCATION OF DEPRESSED AND/OR RAISED SLABS WITH ARCHITECTURAL DRAWINGS.
- FOR SIDEWALK LOCATION, SEE ARCHITECTURAL DRAWINGS.
- COLUMN FOOTIN SIZES ARE PRELIMINARY SIZES TO BE VERIFIED BY STRUCTURAL ENGINEER OF RECORD PRIOR TO CONSTRUCTION. PRE-ENGINEERED BUILDING MANUFACTURER SHALL SUBMIT DESIGN CALCULATIONS PRIOR TO FABRICATING BUILDING COMPONENTS. CALCULATIONS SHALL SHOW ALL FOOTING LOADS PER METAL BUILDING MANUFACTURER'S ASSOCIATION "RECOMMENDED DESIGN PRACTICES MANUAL".

12670.0 SQ FT
412.8 FT
48.2 FT
4.0 EA
10.0 EA
4.0 EA
1780.3 FT



1 Foundation Plan
Scale: 1/8" = 1'-0"

DESIGNER/CONSULTANTS

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Expires 3/31/2020

REGISTRATION

CLIENT/PROJECT

7 MILE COMMUNITY CENTER
SAN CARLOS APACHE TRIBE
SAN CARLOS APACHE INDIAN RESERVATION
SAN CARLOS, ARIZONA

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PROJECT NO:
CAD DWG FILE:
DRAWN BY:
CHECKED BY:
ROCK GAP ENGINEERING
PROJECT NO. 18-132-01
DATE: October 24, 2018
SHEET TITLE
Foundation Plan

S102
SHEET OF