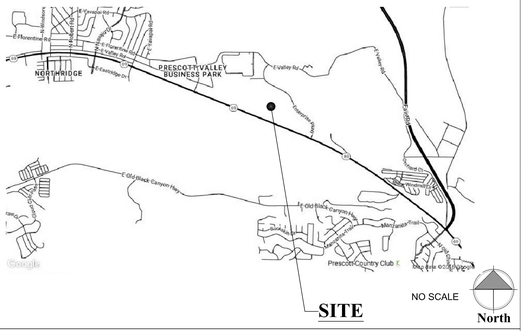
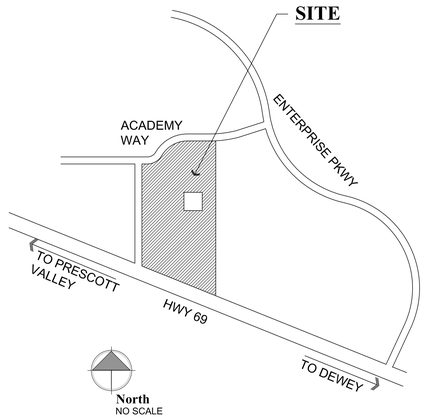
Lifepointe Church

PRESCOTT VALLEY, ARIZONA

Area Map



Vicinity Map



Deferred Submittals

The following items are required and will be provided as a deferred submittal:

1. Automatic Fire Sprinkler System.
2. Fire Alarm System.

Automatic Fire Sprinkler System & Fire Alarm System submittal documents for deferred submittal shall be submitted to the local fire district, who shall review them and forward them to the building official, with a notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance with the design of the building. The deferred submittal items shall "NOT" be installed until their design and submittal documents have been approved by the fire marshal having jurisdiction.

Project Information

CLIENT:	Lifepointe Church 10100 E. State Rt. 69 Prescott Valley, AZ 86314	PH: (928) 772-1360 CONTACT: Mike Cool
PREPARED BY:	W. Alan Kenson & Assoc., P.C. P.O. Box 11593 Prescott, AZ 86304	PH: 928-443-5812 CONTACT: Alan Kenson WAKA@cableone.net
CONTRACTOR:	To be determined	
JOBSITE ADDRESS:	10100 E. State Rt. 69 Prescott Valley, AZ	
PARCEL NUMBER:	402-14-047J	
ZONING:	RCU Residential Single Family Rural	
SITE USE:	Church	
CONST. TYPE:	II-B	
OCCUPANCY:	Assembly group A-3	
EXISTING BUILDING:	17,300 S.F.	
PROPOSED BLDG. ADDITION:	11,588 S.F.	
TOTAL:	28,888 S.F.	
BUILDING CODES:	2012 International Building Code 2012 International Plumbing Code 2012 International Mechanical Code 2012 International Fuel Gas Code 2012 International Fire Code 2011 National Electric Code 2006 International Energy Conservation Code 2010 ADA Standards for Accessible Design	

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Parking Required

CALCULATIONS:

AUDITORIUM SEATING 514 PEOPLE
1 SPACE PER 3 PEOPLE

CLASSROOMS
385 STUDENTS AND 12 TEACHERS
1 SPACE PER 10 CHILDREN
PLUS 1 SPACE PER EACH TEACHER

221 TOTAL PARKING SPACES REQUIRED

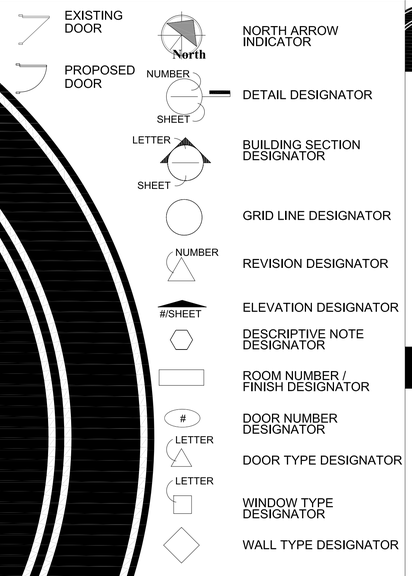
201 TO 300 SPACES REQUIRE 8 ACCESSIBLE

231 PARKING SPACES PROVIDED OF WHICH 10 ARE ACCESSIBLE

Project Description

Lifepointe Church intends to construct a 2 story building addition added to their existing building. A new lobby, classrooms and restrooms will be added. The existing classroom areas will be remodeled adding restrooms and classrooms.

Graphic Standards



Architect:

W. Alan Kenson & Associates, P.C.

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F 928-443-5815 Prescott, AZ 86304

email: waka@cableone.net
www.kenson-associates.com

ARCHITECTURE & PLANNING

Jul 25, 2017 - 11:29am

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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REGISTERED ARCHITECT
CERTIFICATE NO. 25646
W. ALAN KENSON
Date Signed 06/30/17
ARIZONA, U.S.A.
EXPIRES: 6/30/18

W. Alan Kenson & Associates, P.C.

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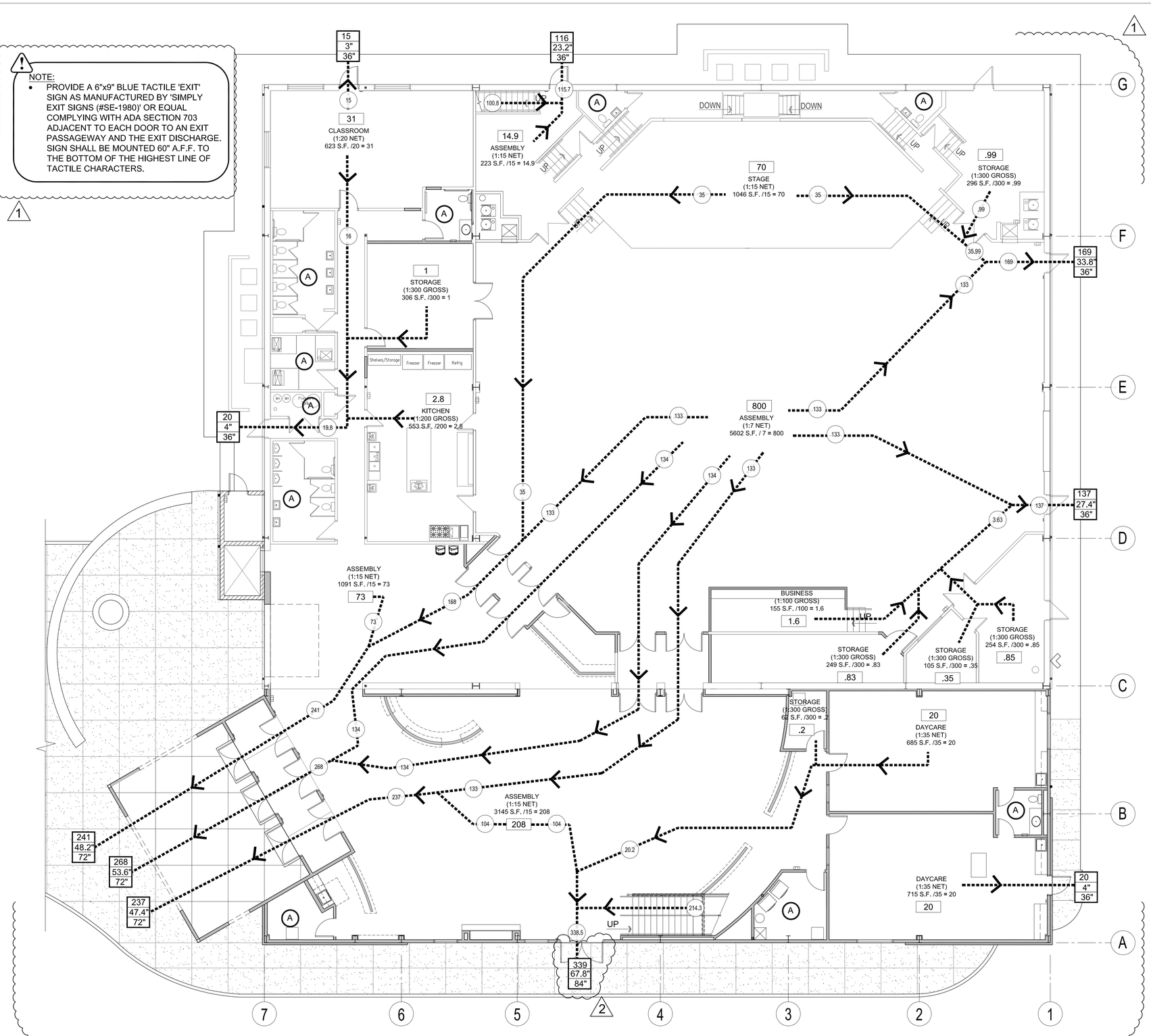
ARCHITECTURE & PLANNING

DRAWING: COVER SHEET

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: CS1



Egress Legend:

- EXIT ACCESS
- (A) ACCESSORY USE (NO OCCUPANCY)
- [XX] ROOM OCCUPANCY LOAD
- (XX) SUBTOTAL OCCUPANCY LOAD
- [XX] OCCUPANCY TOTAL
- [XX] REQUIRED EXIT WIDTH (FACTOR = 0.20) 1
- [XX] PROVIDED EXIT WIDTH
- (#) WORST CASE TRAVEL DISTANCE

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR
ASSEMBLY	7 NET
ASSEMBLY	15 NET
OFFICE	100 GROSS
STORAGE	300 GROSS
KITCHEN	200 GROSS
CLASSROOM	20 NET
DAYCARE	35 NET

Occupant load

NOTES:
- GROSS SQUARE FOOTAGE AND OCCUPANT COUNT INCLUDES BOTH FLOORS
- GROSS SQUARE FOOTAGE LISTED BELOW DOES NOT INCLUDE ACCESSORY AREAS.

ASSEMBLY :	10,444 SQ. FT.	1,137 OCCUPANTS
BUSINESS :	528 SQ. FT.	6 OCCUPANTS
STORAGE :	2,334 SQ. FT.	8 OCCUPANTS
KITCHEN :	553 SQ. FT.	3 OCCUPANTS
CLASSROOM:	5,587 SQ. FT.	280 OCCUPANTS
DAYCARE:	1,295 SQ. FT.	37 OCCUPANTS
STAGE:	1,336 SQ. FT.	90 OCCUPANTS
TOTAL :		1,561 OCCUPANTS

Accessibility Notes

1. ACCESS TO THESE FACILITIES SHALL BE AT PRIMARY ENTRANCES.
2. THE SLOPE OF PUBLIC WALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 2%.
3. WALKING SURFACES GREATER THAN 2% SHALL BE SLIP RESISTANT.
4. PROVIDE A 44"x60" MINIMUM LANDING ON THE STRIKE SIDE OF THE ENTRANCE DOOR WITH 44" MINIMUM WIDTH IN THE DIRECTION OF TRAVEL.
5. WALLS SHALL EXTEND 18" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARDS THE OCCUPANT.
6. RAMPS SHALL HAVE A NON-SLIP SURFACE.
7. RAMPS SHALL BE A MINIMUM OF 36" WIDE.
8. EVERY REQUIRED EXIT DOORWAY SHALL BE SIZED FOR A DOOR NOT LESS THAN 36" WIDE BY NOT LESS THAN 6'-8" HIGH CAPABLE OF OPENING 90 DEGREES AND MOUNTED SO THE CLEAR WIDTH OF THE EXIT WAY IS 32" MINIMUM.
9. THRESHOLDS TO BE A MAXIMUM OF 1/4" ABOVE ADJACENT FLOOR FINISH. ONE-HALF INCH THRESHOLD MAY BE USED IF BEVELED PER A.D.A. STANDARDS.
10. MAXIMUM EFFORT TO OPERATE A DOOR SHALL NOT EXCEED 5 POUNDS.
11. THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE.
12. PROVIDE LEVER TYPE HARDWARE, PANIC BARS, PUSH AND PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. (30" TO 44" A.F.F.)

A1 First Floor Occupancy / Egress Plan

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

Plan North

Aug 08, 2017 - 3:28pm

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO
2 TOWN OF PV COMMENTS 08-03-2017	LO

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REGISTERED ARCHITECT
CERTIFICATE NO.
25646
W. ALAN KENSON
Date Signed 06/30/17
ARIZONA, U.S.A.
EXPIRES: 6/30/18

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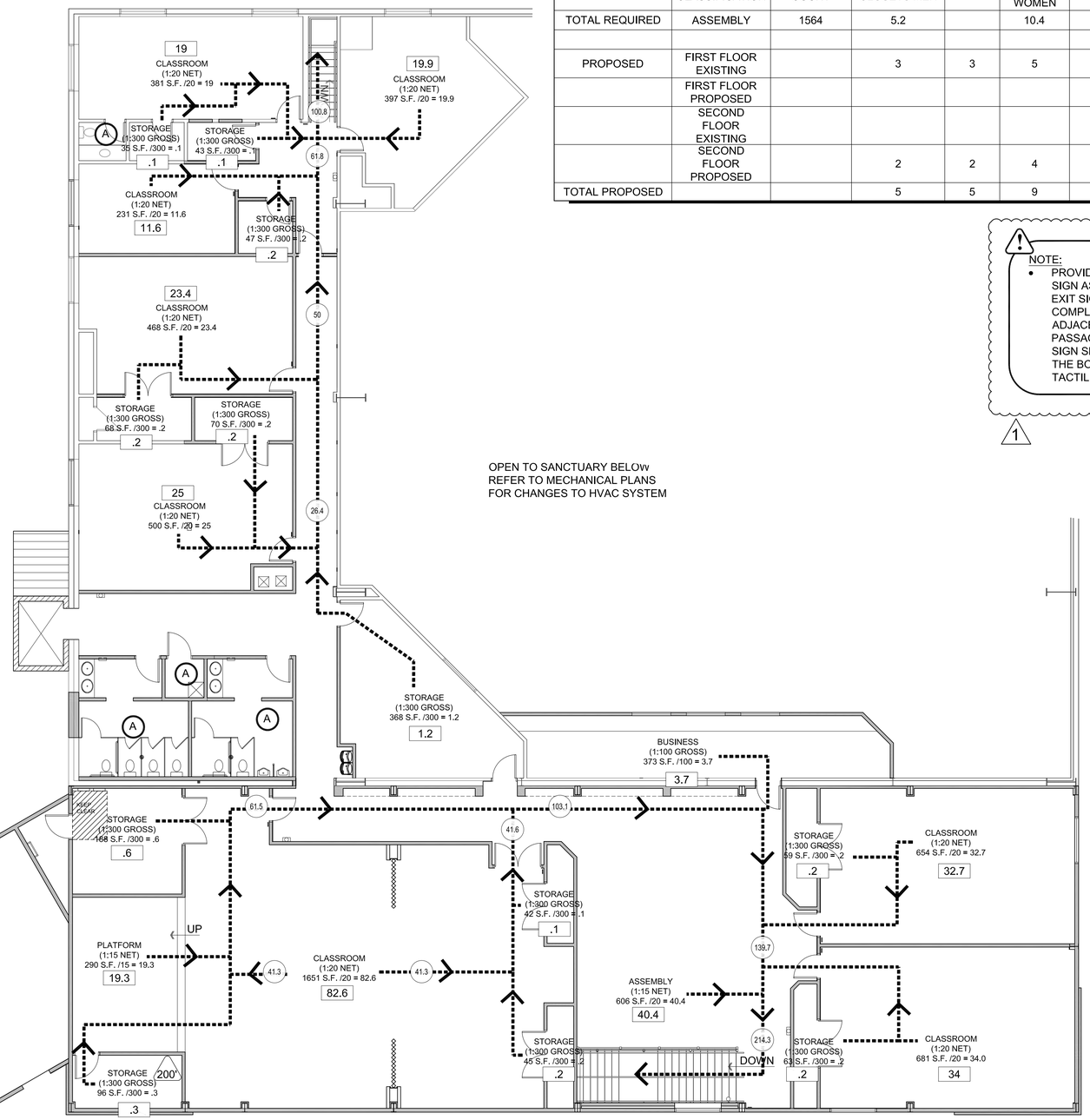
www.kenson-associates.com
ARCHITECTURE & PLANNING

DRAWING: CODE SUMMARY - FIRST FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	CS2



OPEN TO SANCTUARY BELOW
REFER TO MECHANICAL PLANS
FOR CHANGES TO HVAC SYSTEM

Plumbing Calculations

	OCCUPANCY CLASSIFICATION	OCCUPANCY COUNT	WATER CLOSETS MEN	URINALS	WATER CLOSETS WOMEN	LAVATORIES MEN	LAVATORIES WOMEN	DRINKING FOUNTAINS	SINGLE USER RESTROOMS
TOTAL REQUIRED	ASSEMBLY	1564	5.2		10.4	3.9	3.9	1.6	
PROPOSED	FIRST FLOOR EXISTING		3	3	5	2	3	2	3
	FIRST FLOOR PROPOSED								1
	SECOND FLOOR EXISTING								1
	SECOND FLOOR PROPOSED		2	2	4	2	2	2	
TOTAL PROPOSED			5	5	9	4	5	4	5

NOTE:
- PROVIDE A 6"x9" BLUE TACTILE 'EXIT' SIGN AS MANUFACTURED BY 'SIMPLY EXIT SIGNS (#SE-1980)' OR EQUAL COMPLYING WITH ADA SECTION 703 ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. SIGN SHALL BE MOUNTED 60" A.F.F. TO THE BOTTOM OF THE HIGHEST LINE OF TACTILE CHARACTERS.

1

Egress Legend:

- EXIT ACCESS
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- [XX] ROOM OCCUPANCY LOAD
- (XX) SUBTOTAL OCCUPANCY LOAD
- XX / XX / XX — OCCUPANCY TOTAL / REQUIRED EXIT WIDTH (FACTOR = 0.15) / PROVIDED EXIT WIDTH
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FUNCTION OF SPACE	OCCUPANT LOAD FACTOR
ASSEMBLY	7 NET
ASSEMBLY	15 NET
OFFICE	100 GROSS
STORAGE	300 GROSS
KITCHEN	200 GROSS
CLASSROOM	20 NET
DAYCARE	35 NET

Occupant load

NOTES:
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BUSINESS :	528 SQ. FT.	6	OCCUPANTS
STORAGE :	2,229 SQ. FT.	8	OCCUPANTS
KITCHEN :	553 SQ. FT.	3	OCCUPANTS
CLASSROOM:	5,587 SQ. FT.	280	OCCUPANTS
DAYCARE:	1,400 SQ. FT.	40	OCCUPANTS
STAGE:	1,336 SQ. FT.	90	OCCUPANTS
TOTAL :		1,564	OCCUPANTS

Accessibility Notes

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A1 **Second Floor Occupancy / Egress Plan**

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

Plan North

Jul 21, 2017 - 9:28am

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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ARCHITECTURE & PLANNING

DRAWING: CODE SUMMARY - SECOND FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	CS3

SECTION 103
Town of Prescott Valley General Construction Notes

103.1 **Standard Documents -**
All work to complete the construction covered by these plans shall be in accordance with the latest revision and supplements to:
- The Town Design and Construction Standards (TDCS)
- Specific Development Agreements
- Town Code
- Town of Prescott Valley Standard Detail (PVSD)
- Maricopa Association of Governments (MAG) Standards and
- Other Standards Listed In The TDCS.

103.2 **Laws & Licenses -**
The contractor must comply with all local, county, state, and federal laws and regulations applicable to the construction covered by these plans and possess a current Town of Prescott Valley Business License.

103.3 **Environmental Controls -** The following Arizona Department of Environmental Quality (ADEQ) requirements shall be complied with:
- A Storm Water Pollution Prevention Plan (SWPPP) is required under The Arizona Pollutant Discharge Elimination System General Permit (AZPDES) for all projects that involve disturbance of an area that is more than 1 acre and shall be submitted to the Town for review. This should include a list of Best Management Practices (BMPs) and should be in book/binder form.
- A Notice of Intent (NOI) must be submitted to ADEQ that references the SWPPP.
- A Notice of Termination (NOT) shall be submitted to ADEQ once 70% of disturbed land has been successfully re-vegetated following project completion.

The Town shall receive notification and copies when the NOI and NOT have been submitted to ADEQ.

103.4 **SWPPP -** The SWPPP required per **Section 209** of the TDCS shall be submitted by the Operator of the construction site according to guidelines set forth by ADEQ. The Operator can be the owner, developer, general contractor or individual contractor responsible for operational control.

103.5 **Permits -** The owner is responsible for obtaining and complying with all permits required to complete all work covered by these plans. A separate permit will be required for any construction extending beyond the construction site property boundary. A Town Right-of-Way (ROW) permit will be required for all construction within public ROW.

103.6 **Quantities -** Any quantities shown on plans are not verified by the Town.

103.7 **Plan Revisions -** All revisions to original plans must be approved by the Engineer of Record (EOR) and the Town prior to construction. Decisions regarding changes which can be made in the field or at the discretion of the EOR in consultation with the Town versus those which require formal approval by Town engineering staff shall be discussed during the pre-construction conference. Any work not based on approved revisions is subject to removal and/or replacement at no expense to the Town.

103.8 **Traffic Control Plan -** Contractor is responsible for submitting a traffic control plan to the Town as needed to perform construction activities. Submittal shall be made at least five Town working days (excluding holidays) prior to commencement of construction. Construction cannot begin until Town approval of the plan is granted. The dynamic nature of traffic related activities may require modification of an approved plan based on Town analysis. If so, the contractor will
modify the traffic control plan at no expense to the Town.

103.9 **Dust Control -** The contractor shall keep suitable equipment on hand at the job site for maintenance and dust control, and shall control dust as directed by the appropriate agencies, including the Town at no expense to the Town.

103.10 **Site Cleanliness -** The contractor shall keep all roadway pavement, curb and gutter pavement, and sidewalk pavement surfaces free of debris, construction materials, etc. during construction and at completion of construction.

103.11 **Site Safety -** The contractor is responsible for ensuring that construction trenches, holes, depressions, etc. are not left exposed at the end of a work shift. Traffic plates, or other security measures, must be utilized to ensure safe passage over or around all hazards. The contractor shall barricade the construction site when the site is unattended.

103.12 **Excess Materials -**Contractor is responsible for all project generated excess. This includes, but is not limited to:
- The removal, transport, permitting, disposal, etc. of any excess vegetation, spoils, materials, debris, etc. generated by a project and any associated costs.
- Spoils must also be cleared from roadways, pathways, open ground, etc. at the end of a work shift if they inhibit conveyance or if safety within the project limits would be compromised.
- Expenses related to excavation and spoil services are the responsibility of the contractor.

103.13 **Utility Conflicts -** Contractors are responsible for verifying all utilities and underground conflicts in accordance with Arizona Administrative Code (AAC) regulations. This includes:
- Excavation of existing infrastructure to ensure location, size, fittings, depth, alignment, etc.
- Excavation of areas for new infrastructure to ensure location, size, fittings, depth, alignment, etc.
- Excavation of areas to determine conflicts with other utilities or infrastructure, etc.

103.14 **Blue Stake -**Blue Stake locating services must be performed in advance of any construction and contractor shall observe all possible precautions to avoid any damage to such. The contractor shall contact Arizona Blue Stake two working days (48 hours) prior to commencement of construction. Call 1-800-STAKE-IT (1-800-782-5348). The EOR and/or owner will not guarantee any locations as shown on these plans or those omitted from same. Should any location or elevation differ from that shown on these plans, the contractor shall contact the owner's agent for coordination.

103.15 **Utility Abandonment -**Abandonment in place of public utility lines shall be at the discretion of the Town and shall be in accordance per applicable PVSD for Abandoned Utilities.

103.16 **Asbestos Cement Pipe -** Maintenance, repair or replacement of existing Asbestos Cement Pipe shall be in accordance per applicable PVSD.

103.17 **Sewer Inspections -** For any construction adjacent to or crossing existing sewer lines, the contractor shall complete a pre and post DVD video inspection per applicable PVSD. Adjacent in this section is defined as less than a 2 foot horizontal separation from new construction. The video inspection shall occur from the next adjacent upstream and downstream manholes beyond all construction activity. If evidence of debris or damage is found, contractor shall make all necessary repairs and additional video inspection, as determined by the Town, shall be completed.

103.18 **Utility Repairs -** The contractor is responsible for repairing damage to existing utilities and/or facilities incurred during any construction operations.

103.19 **Inspections -** The contractor shall notify the EOR and Town Public Works Department (928-759-3070) at least two working days (48 hours) in advance of construction for inspection.

103.20 **Utility Testing -**Water, gravity sewer, forced sewer, reclaimed water and storm line testing shall not be accepted unless testing occurs after all underground disturbances and construction is complete. Pre-completion tests are allowed, if the contractor desires such activity, but the Town will not recognize the validity of said tests.

103.21 **Made in the USA -** Infrastructure added to the Town system shall be manufactured, assembled or otherwise produced in the United States unless otherwise approved by the Town.

103.22 **Utility Adjustments -**All frames, covers, valve boxes, and manholes inside the paved surface shall be adjusted to finished grade upon completion of paving or related construction. All frames, covers, and valve boxes outside a paved surface shall be adjusted between 6 and 8 inches above finished grade upon completion of related construction.

103.23 **Defective Materials -** All work and materials which do not conform to the required standards, codes and agreements are subject to removal and replacement at no expense to the Town or EOR.

103.24 **Inspections-**Inspection shall be performed by a qualified representative of an engineer licensed in the State of Arizona. The degree of inspection will be determined at the pre-construction conference. Inspection must meet all requirements set forth by ADEQ, the State of Arizona, the Town and shall be certified by the EOR. The Town will complete oversight inspection only. The EOR shall provide all certifications and other documentation to the Town prior to acceptance by the Town.

103.25 **Plan Expiration -**All plans signed/approved by the Town are null and void one year from date of signature if construction has not started unless otherwise approved by the Town.

103.27 **Construction Staking -** The contractor shall make no claim against the owner, the EOR or surveyor regarding the inaccuracy of construction stakes set forth by the EOR or surveyor, unless all survey stakes set by the EOR or surveyor are maintained intact and can be verified as to their origin. If, in the opinion of the EOR, the stakes are not maintained intact and cannot be verified as to their origin, any remedial work required to correct any item shall be performed at the sole expense of the responsible contractor or subcontractor.

103.26 **Warranty -** The contractor and/or developer shall provide a warranty for any public project or any project that will be given to the public per agreement(s). The Town's definition of a warranty includes any workmanship, labor, materials, equipment, sales tax, etc. required to restore a project to acceptance criteria as defined by the plan. The warranty period lasts for a minimum of two (2) years from the date of Town acceptance of project completion. All warranty work shall also conform to all portions of the applicable TDCS.

103.27 **Project Quantities -** Quantities and site conditions depicted in these plans are for informational purposes only and may be subject to errors and omissions. Contractors shall satisfy themselves as to actual quantities and site conditions prior to bidding the work for the construction covered by these plans. If any discrepancies in quantities or site conditions are found, the contractor shall notify the EOR. The Town does not warrant any quantities shown on the plans.

103.28 **Notifications -**Contractor shall notify the EOR and/or surveyor two working days (48 hours) in advance of any construction to schedule staking.

103.29 **Construction Schedule -** The contractor shall provide sufficient personnel and equipment on the job at all times during construction to comply with the construction schedule, and specifications to complete work.

103.30 **Construction Contract -** Nothing contained in the construction contract documents shall create, nor shall be construed to create, any contractual relationship between the EOR and the contractor or any subcontractor.

103.31 **Means and Methods -** Neither the Town nor the EOR will be responsible for construction means, methods, techniques, sequences, procedures, safety precautions or programs utilized in connection with the work. Neither the Town nor the EOR will be responsible for the contractor's failure to carry out the work in accordance with the contract documents.

103.32 The EOR will not guarantee any elevations or locations of existing underground utilities shown on these plans. Field verification by the contractor will be the sole responsibility of the contractor and shall be verified as deemed necessary by the contractor. Damage resulting from failure to adequately locate utilities, and take necessary precautions to protect them, will be the contractors responsibility to correct at no expense to the Town of Prescott Valley.

103.33 **Deficiencies or Discrepancies -**Failure of the Town to detect deficiencies or discrepancies in the design or construction of these plans shall in no way relieve the developer, EOR or the contractor from their responsibility to conform to all Town requirements.

103.34 Prior to bidding the work, the contractor shall thoroughly satisfy himself as to the actual conditions, earthwork quantities, requirements of work and deficiencies in earthwork quantities should they exist. No claim shall be made against the Town or EOR for any excess or deficiency therein, actual or relative.

103.35 These plans are subject to Interpretation of Intent by the EOR. All questions regarding these plans shall be presented to the EOR for clarification in concordance with the TDCS.

103.36 **Construction Water -**The contractor must request a hydrant meter from the Town for site construction, filling and testing of waterlines. The meter should be ordered 2 working days prior to the start of construction. The unlawful removal of water from a fire hydrant or any other source is a violation of the Municipal Code, punishable by fine and/or imprisonment.

103.37 **As-Builts -** "AS-Built" drawings, certified by the EOR, shall be submitted and approved prior to issuance of a building "Certificate of Occupancy".

103.38 **Landscape -** All existing landscape including trees, shrubs and irrigation systems that are designated to remain or are not part of this project, and are damaged during construction, will be replaced in like kind at the expense of the contractor.

103.39 **SWPPP -**The plans shall be amended as necessary during the course of construction to resolve any problem areas, which become evident during construction, routine inspections, and/or periods of rainfall. If it is determined that current controls are not effective at minimizing pollutant discharges from the site, immediate efforts shall be made to correct the problem within 72 hours and/or prior to the next rain event. The amended plan shall be maintained on-site.

103.40 **Portable Toilets -** No construction material, including portable toilets shall be stored on any portion of any street, sidewalk, right-of-way or easement; or within 50' of any drainage way.

103.41 **Trash and Debris -** The site shall at all times remain free of loose trash and debris. Appropriately sized covered waste receptacles shall be provided onsite and stored a minimum of 50' from any drainage way or drainage inlet.

SECTION 201
{Town of Prescott Valley Grading & Drainage Notes}

201.1 **Permits -**
The following apply:
- An on-site grading permit is required.
- A separate permit is required for any off site grading.

201.2 **Inspections -** Prior to final acceptance, the contractor shall be responsible for cleaning, visual and/or TV inspection of storm drainage infrastructure per applicable PVSD. The Town and EOR shall receive copies of applicable documentation for review.
The EOR shall:
- Determine if the required procedures and subsequent documentation were complied with
- Review all documentation and findings for compliance with Town Standards
- Submit a report to the Town with regard to disposition.

The Town will review the EOR supplied report to determine if the product is acceptable prior to project final acceptance.

201.3 **On Site Materials -**The grading contractor shall designate a location for wasting spoil materials and a letter from the property owner giving permission for said disposal prior to starting on-site construction.

201.4 **Easements -** No structure of any kind shall be constructed and/or any vegetation planted or allowed to grow within, on or over any drainage easement which would obstruct or divert the flow of storm water.

SECTION 301
{Town of Prescott Valley Transportation Notes}

301.1 **Sweeping -** No project will be considered ready for final acceptance until all curb, roadways, medians, sidewalks and any other impacted ROW areas have been swept clean of all dirt and debris.

301.2 **Subgrade Inspection -** Base course shall not be placed on subgrade until subgrade requirements have been inspected and accepted by the EOR.

301.3 **Utility Work -** No ABC placement or paving construction shall be started until all underground utilities work within the roadway prism are completed and tested.

301.4 **Asphalt Concrete -** All AC shall be C-3/4 "smooth mix" as per applicable MAG Specifications, unless another specification is approved by the Town. Mix design shall be submitted prior to start of construction.

301.5 **Chip Seal -** A. Pavement shall include a Chip Seal Coat installed per MAG and the following:
- For Arterial and Collector streets, chip seal shall be "High Volume Single Chip Seal" using AC15-5TR or approved equal spread at 0.50 gal/sy with ½ inch High Volume chip at 32 lbs/sy.
- For Local, commercial and residential streets, chip seal shall be "Low Volume Single Chip Seal" using CRS-2P spread at 0.40 gal/sy with 3/8 inch Low Volume Chip at 25 lbs/sy.

B. All streets shall be swept the same day as application. Curbed streets require a pickup broom to remove excess chips. Use of a kick broom is acceptable on streets without curbs upon approval of the Town.
C. All survey monuments, boxes, manholes, frames, valve, lids, etc. shall be protected from chip seal operations and shall be adjusted to finished asphalt or curb grades after placement of surface course and prior to chip seal by the contractor per applicable PVSD.
D. No chip seal construction will be allowed between September 1st and May 30th.
E. Chip seal shall be placed only when the roadway surface is dry and there is no threat of rain. The ambient temperature must be 70 degrees F. and rising before chip seal operations begin.
F. No chip seal operation shall be considered complete or acceptable for payment until inspected and accepted by the Town.

301.6 **Traffic Control -**A Traffic Control Plan shall be submitted to the Town's Public Works Operations Manager. Traffic Control shall meet approval prior to construction.

SECTION 601
{Town of Prescott Valley Water Construction Notes}

601.1 **ADEQ Requirements -** ADEQ requirements must be complied with for all aspects of construction as minimum standards. Town standards may impose additional or more strict requirements. A specific note referencing AAC R18-4-502, latest revision, must be on plans that will be approved by ADEQ or their delegated reviewer (Yavapai County).

601.2 **Clearance -** Utility clearances shall be maintained in accordance per applicable MAG/PVSD.

601.3 **Separation -** Water and sanitary sewer separation / protection shall be in accordance per applicable MAG/PVSD. Concrete encasement of water lines is not allowed unless approved by the Town.

601.4 **Connections -** The contractor shall be required to install a connection at night between 10 pm and 5 am, Monday thru Thursday, excluding holidays, for any new waterline that will affect existing service sufficient to warrant same in the opinion of the Town. No service interruption shall last longer than 4 hours without approval of the Town and a minimum of 48 hours' notice is required prior to any service interruption. Shutdowns shall be coordinated with the Town and its water operations contractor.

601.5 **ANSI / NSF -** All components that come into contact with potable water will meet ANSI / National Sanitation Foundation (NSF) Standard 61 and bear the ANSI / NSF Standard 61 seal as required by AAC.

601.8 **Disinfection-**Disinfection and testing of components not applicable to ADEQ Engineering Bulletin No. 8 shall be disinfected and flushed as follows:
1. Swabbing of all components is required. A 25 Parts per Million (PPM) Sodium Hypochlorite Free Chlorine solution must be applied to all interior surfaces including valves, flex couplings, pipe segments or other infrastructure just prior to their installation.
2. System flushing shall be conducted from the nearest fire hydrant, BOA, or similar appurtenance.
3. Discharge in accordance with AZPDES regulations

601.7 **Pressure and Leakage Test -**Water mains and appurtenances shall be subject to a pressure and leakage test in accordance with MAG and American Water Works Association (AWWA) standards. However, test pressure shall be a minimum of 200 psi or 150% of the working pressure in the pipe whichever is greater. The working pressure will be based on the lowest elevation/highest pressure point in the main, whichever is greater.

601.8 **Trace Wire -** Trace wire, continuity test, and detectable tape required per applicable PVSD.

601.9 **Asbestos Cement Pipe -** Removal or replacement of existing Asbestos Cement Pipe (ACP) shall be in accordance per applicable PVSD.

601.10 **Hop Tap -** Hot taps are an exclusive function of the Town and performed by the Town's Contract Operations Company. Contractor is responsible for trenching / clearance per applicable PVSD.

601.11 **Valve Operation -** Existing system valves to be operated by Town authorized personnel only.

601.12 **Water Meter Installation -**A water meter shall be approved for installation only after the following conditions have been met:
1. New subdivisions: ATO or ADEQ documentation submitted to the Town from the EOR that states that an ATO is not required.
2. New subdivisions: Water infrastructure must have been inspected and approved by the EOR and Town.
3. Water meter and water service request fees must be paid.
4. Water meter boxes and line setters must receive a building inspection approval through the building permit process. The water service line between the meter and the structure must extend a minimum of 5 feet away from the meter in order to receive the inspection.
5. Once the water meter has been set, no disturbance of the meter, line setter, box or ground within 5 feet shall occur. Any disturbance to the meter, meter box or line setter will result in damage and/or tampering fee per Town Customer Accounts Regulations.
6. Approved backflow protection has been installed if required per Town code and applicable PVSD.

601.13 **Waterline Services -**Waterline services up to and including the meter, meter box and the transition fitting on the discharge/customer side of the setter (tailstock) are public facilities and must be placed in easement or ROW per applicable PVSD.

601.14 **Pressure Reducing Valve -** A Pressure Reducing Valve / Pressure Regulator is required for all domestic services if pressure in the public main is 80 psi or higher. Valves / regulators are considered as private property and shall be maintained by the owner. It shall be located on private property, out of easement, downstream of the meter and prior to branching / entry to the property's plumbing supply.

601.15 **Separate Tap -** Domestic and fire lines to a structure must be separately tapped to the water distribution main.

601.16 **Backflow -** Backflow Prevention requirements are noted per AAC, Town code and applicable PVSD.

601.17 **Polywrap -** Install Polywrap DIP piping and appurtenances per MAG standards.

SECTION 630
{Town of Prescott Valley Sewer Construction Notes}

631.1 **ADEQ -** ADEQ requirements must be complied with. A specific note referencing AAC R18-4-502, latest revision, must be on plans that will be approved by ADEQ or their delegated reviewer (Yavapai County).

631.2 **Clearance -**Utility clearances shall be maintained in accordance per applicable PVSD.

631.3 **Separation -** Water, reclaimed water, and sanitary sewer separation / protection shall be in accordance per applicable PVSD.

631.4 **Crossings -**At locations where water/sewer/reclaimed utilities cross, reference AAC and any applicable PVSDs for guidance.

631.5 **Air Tests -** Sewer line low pressure air tests shall be done on all lines pursuant to American Society for Testing and Materials (ASTM) Standards.

631.6 **Vacuum Tests -** Sewer manhole vacuum testing is required on all new or replacement manholes in accordance with applicable PVSD.

631.7 **Deflection Tests -** Sewer line deflection tests shall be done on all PVC lines according to manufacturer's recommendations.

631.8 **Bury Depth -** DIP must be used for bury depth greater than 10 feet.

631.9 **Trace Wire -** Trace wire, continuity test and detectable tape required per applicable PVSD.

631.10 **ASTM -** PVC sewer pipe and fittings shall be installed pursuant to ASTM standards.

631.11 **Manhole Construction -** Sewer manhole construction shall be in accordance per applicable PVSD and AAC regulations.

631.12 **Sewer Line Sag -** Allowable sewer line sag (SAG) is specified per Table 1 - Corrective Action Requirements for SAG.

Table 1 - Corrective Action Requirements for SAG

Description Correction	Observed SAG	Action Required
8" to 12" Dia. Pipe	Less than or equal to ½"	None
8" to 12" Dia. Pipe	Greater than ½" but less than or equal to 1"	Yes if longer than 10' or more than 3 occurrences in 100'
12" to 24" Dia. Pipe	Less than or equal to 1"	None
12" to 24" Dia. Pipe	Greater than 1" but less than or equal to 1 ½"	Yes if longer than 20' or more than 6 occurrence in 100'
Greater than 24" Dia. Pipe	Greater than 1 ½"	Yes
Pipe entering or exiting manhole	Any	Yes

631.13 **Polywrap -**Install Polywrap DIP piping and appurtenances per MAG.

631.14 **Paving Restrictions -** No paving, road-base, cover, etc. shall occur until sewer infrastructure meets SAG and vacuum / low pressure air testing requirements.

631.15 **Cleaning and TV Inspection -** Prior to final acceptance, the contractor shall be responsible for cleaning and TV inspection of sewer infrastructure per applicable PVSD. The Town and EOR shall receive copies of applicable documentation for review. The EOR shall:
1. Determine if the required procedures and subsequent documentation were complied with
2. Review the documentation and findings for compliance with Town Standards
3. Submit a report to the Town with regard to disposition. The Town will review the EOR supplied report to determine if the product is acceptable prior to project release.

631.16 **Groundwater -**If groundwater or other unsuitable conditions are encountered during construction, the EOR and the Town must be notified and a resolution acceptable to all parties must be agreed on before work continues.

631.17 **Manhole Taps -**No sewer service taps will be allowed into a manhole.

631.18 **Roach Control -** All new, replacement or refurbished manholes shall be coated with Insecta ® Contact Pesticide, or approved equal, per pesticide manufacturer's instructions.

631.19 **ConmicShield® -** New or replacement manholes and appurtenances shall be constructed with ConmicShield®, a liquid antibacterial additive if infrastructure: 1) is within 4,000 feet of force main discharge, 2) manholes have pipe diameters of 18 inches and greater, 3) manhole is located on a smaller tributary line that is within 200 feet of a manhole with a pipe diameter of 18 inches and greater, 4) a manhole receiving flow from a sewer line that has a slope of 10% or greater, and 5) is subject to, in the opinion of the Town, of creating unacceptable amounts of hydrogen sulfide gas. Specifics concerning ConmicShield® are noted per applicable PVSD.

Town of Prescott Valley Additional Notes

Water - Valves

Isolation Valves -
1. Valve boxes shall comply per applicable PVSD and be fitted with a Debris Cap per MAG detail. Handles shall be colored based on AWWA code.
2. Valves shall be Mueller 2360 Series Resilient Wedge Gate Valve, Clow Resilient Wedge Gate Valve Series 2639/2640 or American Flow Control Series 2500 Resilient Wedge Gate Valve or an approved equal. Valves shall be: new, gate type, bonded resilient seat, non-rising stem, mechanical joint, fuse bonded epoxy coated inside and out, 2 inch operating nut and open counter-clockwise.

WATER - METERS
All water meter boxes not surrounded by or immediately adjacent to paved surface or curb shall be at least 3 inches above any finished grade within 3 feet of the box. Boxes immediately adjacent to paved surfaces or curbs shall be the same height as the adjacent pavement or curb.

Sewer - Service Taps and service Lines
Separate Tap - All service lines shall have a separate tap to the main and be in accordance with applicable MAG.
Fittings -Service taps and service lines on new construction shall utilize manufactured fittings; no saddles allowed.
Connection -For service lines installed on existing mains, the drilled hole shall have smooth rounded edges and be the same size as the service connection such that no ledge or protrusions catch wastewater. All taps shall be inspected by the Town prior to final permanent attachment of the saddle.
Electronic Ball Markers -Service lines must include electronic ball makers per MAG and detectable tape per applicable PVSD.
New Tap and Line TV Inspection -New service taps and service lines must be inspected, at contractor cost, by closed-circuit television (CCTV) in color and recorded per DVD format. Video content must show 360 degree view of pipe, fittings, etc. DVDs must be submitted to the Town for review and acceptance of work. If discrepancies in construction are noted, the contractor will be responsible for rectifying the situation and submitting another DVD to the Town for review.
Construction Activity TV Inspection - Any construction activity around sewer mains and service lines may trigger requirement for pipes to be inspected by closed-circuit television (CCTV) in color and recorded per DVD format. Inspections shall be at contractor cost. Video content must show 360 degree view of pipe, fittings, etc. DVDs must be submitted to the Town for review and acceptance of work. If discrepancies in construction are noted, the contractor will be responsible for rectifying the situation and submitting another DVD to the Town for review.
Caps -The ends of all sewer main or service stub outs not immediately connected to a structure shall have an airtight cap placed over the end to completely seal the pipe. The pipe end must be cut square and clean

APPROVED TRAFFIC CONTROL PLAN AND R.O.W. PERMIT MUST BE OBTAINED FROM PUBLIC WORKS PRIOR TO BEGINNING WORK IN THE R.O.W.

TOWN OF PRESCOTT VALLEY PUBLIC WORKS IS RESPONSIBLE FOR INSPECTION OF IMPROVEMENTS IN THE R.O.W. AND DESIGNATED PUBLIC UTILITY EASEMENTS ONLY. ALL OTHER IMPROVEMENTS (ON-SITE) SHALL BE INDEPENDENTLY INSPECTED.

APPROVED – TOWN OF PRESCOTT VALLEY

LIFEPOINTE CHURCH

APN. 402-14-047J

10100 E. S.R. 69, PRESCOTT VALLEY, AZ.
A PORTION OF SECTION 20,
TOWNSHIP 14 NORTH, RANGE 1 EAST,
GILA AND SALT RIVER MERIDIAN,
YAVAPAI COUNTY, ARIZONA

OWNER
LIFEPOINTE CHURCH
MIKE COOL, LEAD PASTOR
10100 E. STATE ROUTE 69,
PRESCOTT VALLEY, AZ. 86314

ENGINEER
KELLEY/WISE ENGINEERING, INC.
GARY R. KELLEY PE 22880
146 GROVE AVE
PRESCOTT, AZ 86301
(928) 771-1730
gkelley@kelley-wise.com

ARCHITECT
W. ALAN KENSON & ASSOCIATES
W. ALAN KENSON
P.O. BOX 11593
PRESCOTT, AZ. 86304
(928) 443-5812
waka@cableone.net

SURVEY DATUM - BENCHMARK
TOWN OF PRESCOTT VALLEY SURVEY REFERENCE SYSTEM – 2013 UPDATE

DATUM: NAVD-88 (TOWN OF PRESCOTT VALLEY)

RP 16: A BRASS CAP FLUSH WITH GROUND NORTH OF SOUTH FRONTAGE ROAD (S.R. 69) EAST OF DENNYS. STAMPED RP 16.

ELEVATION NAVD-88: 5108.01

NOTE:
THESE CONSTRUCTION DRAWINGS DO NOT REPRESENT A LAND BOUNDARY SURVEY. THE APPROXIMATE BOUNDARY LINES, AS SHOWN ARE PER THE WARRANTY DEED RECORDED IN BOOK 4469 OF OFFICIAL RECORDS AT PAGE 748, THE CORRECTIVE SPECIAL WARRANTY DEED RECORDED IN BOOK 4245 OF OFFICIAL RECORDS AT PAGE 843, THE RECORD OF SURVEY RECORDED IN BOOK 105 OF LAND SURVEYS AT PAGE 32, RECORDS OF YAVAPAI COUNTY AND LIMITED PARCEL CORNER MONUMENTS RECOVERED IN THE FIELD.

THE CONTOUR INTERVAL DEPICTED HEREON IS 1'.

THE HORIZONTAL AND VERTICAL DATUM FOR THIS SURVEY IS THE TOWN OF PRESCOTT VALLEY SURVEY DATUM (2013 UPDATE).

THE POSITION OF EXISTING UTILITIES HAS BEEN LIMITED TO PHYSICALLY APPARENT ABOVE GROUND APPURTENANCES AND LIMITED "BLUE-STAKE" UTILITY LOCATE MARKINGS PROVIDED BY OTHERS.

ALL EASEMENTS OF RECORD MAY NOT BE SHOWN HEREON. NO TITLE REPORT WAS FURNISHED BY THE CLIENT.

1 PARCEL AREA = 12.04 ACRES PER YAVAPAI COUNTY GIS.

UTILITY	CONTACT	PHONE
CABLE TV CABLE ONE 3801 TOWER RD, PRESCOTT, AZ 86301	JOHNNY CEDILLO	928-443-3300 EXT. 7111
CH2MHILL/OMI CONTRACT OPERATIONS COMPANY	N/A	928-759-9062
ELECTRIC ARIZONA PUBLIC SERVICE 120 N MARINA ST, PRESCOTT, AZ 86301	ERIC WIKMAN	928-443-6660 1
GAS – NATIONAL ONE CALL REFERRAL NUMBER	N/A	1-888-258-0808
GAS TRANSWESTERN GAS COMPANY	BO RAGAN	928-308-8832
GAS UNISOURCE ENERGY SERVICES 6405 WILKINSON DR., PRESCOTT, AZ 86301	SARA SCOTT	928-771-7227
TELEPHONE CENTURY LINK 1445 MASONRY WAY, PRESCOTT, AZ 86301	KAREN PORTER	928-776-2510
WATER AND SEWER TOWN OF PRESCOTT VALLEY 7501 E CIVIC CIRCLE, PRESCOTT VALLEY, AZ 86314	NEIL WADSWORTH	928-759-3070

SHEET INDEX

1. COVER – NOTES
2. NOTES – KEY MAP
3. GRADING AND DRAINAGE
4. GRADING AND DRAINAGE
5. WATER PLAN
6. DETAILS

CALL TWO WORKING DAYS BEFORE YOU DIG
(602) 263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

Registered Professional Engineer (Civil) CERTIFICATE NO. 22880 GARY R. KELLEY Date 5.26.17 Signed ARIZONA, U.S.A.
EXPIRES 06/30/18

LIFEPOINTE CHURCH 10100 E. STATE ROUTE 69, PRESCOTT VALLEY, AZ	DRAWN	CJK	REVISED
	DESIGN	GRK	
KELLEY / WISE ENGINEERING, INC. 146 GROVE AVENUE PRESCOTT, ARIZONA 86301 (928) 771-1730 FAX 778-2220	CHECK	GRK	
	DATE	5.26.17	
	JOB	16-072	
	SHEET NO. C1 OF 6		

REVISIONS	BY
1 7-25-17 REVISED PER TOWN REVIEW COMMENTS	KWE

These drawings are the property of W. Alan Kenson & Associates P.C., and may not be reproduced in any way without the written consent of W. Alan Kenson & Associates, P.C.

W. Alan Kenson & Associates, P.C.
P 928-443-5812 P.O. Box 11593
F 928-443-5815 Prescott, AZ 86304
email: waka@cableone.net
www.kenson-associates.com
ARCHITECTURE & PLANNING

DRAWING: COVER – GENERAL NOTES
PROJECT: Lifepointe Church, 10100 E. State Rt. 69, Prescott Valley, AZ 86314
APN: 402-14-047J

DRAWN BY
CHECKED BY W.A.K.
DATE May 26th, 2017
JOB NO. 684
SHEET C1

Jul 25, 2017 - 1:13pm

EROSION CONTROL/SWPPP GENERAL NOTES

1. A copy of the approved grading and drainage plan for this project and this Storm Water Pollution Prevention Plan (SWPPP) shall be maintained on the site and available for review. Those elements of the grading and drainage plan pertinent to or referenced on the SWPPP shall be considered a part of the SWPPP.
2. The Notice of Intent (NOI) shall be completed and submitted to the Arizona Department of Environmental Quality (ADEQ) prior to any construction activity (including clearing & grubbing and grading).
3. The SWPPP and related records must be made available upon request to ADEQ and the Town of Prescott Valley.
4. (1) The prime contractor shall perform, at a minimum, a visual inspection of the construction site once every seven days and within 24 hours of rainfall greater than or equal to a half an inch (1/2–inch). The operator shall prepare a report documenting his/her findings on the conditions of the SWPPP controls and note any erosion problem areas. The operator's report is to be maintained on site by the operator. Facilities shall be maintained as necessary to ensure their continued functioning. In addition, all temporary siltation controls shall be maintained in a satisfactory condition until such time that construction is completed, permanent drainage facilities are operational, and the potential for erosion has passed as determined by the Town Engineer or his designee.
5. The implementation of these plans and the construction, maintenance, replacement, and upgrading of these facilities is the responsibility of the permittee/contractor until all construction is approved and a notice of termination has been submitted.
6. The facilities shown on this plan must be constructed in conjunction with all clearing and grading activities in such a manner as to insure that sediment–laden water does not enter the drainage system or violate applicable water standards. Additionally, they must be installed and in operation prior to any grading or land clearing. Wherever possible, natural vegetation should be retained and maintained for silt and erosion control.
7. The general contractor to whom the "at–risk"/final grading permit will be issued must be included on the approved NOI issued by ADEQ.
8. The owner (operator)/contractor of the site must also maintain records with the following information:
   –The dates when major grading activities occur in a particular area;
   –The dates when construction activities cease in an area, temporarily or permanently; and
   –The dates when an area is stabilized, temporarily or permanently; and
   –The dates when any maintenance/replacement or removal of required BMP's.
9. (1) Construction sites are dynamic in nature. The site operator is required to maintain full compliance with the general construction permit, as issued by ADEQ, to maintain an effective SWPPP. As such, this plan must be updated to accurately reflect site features and operations which may become evident during construction, and/or during or after rainfall events. The plan must also be amended if it is determined by the Design Engineer, or the Town Engineer as not effective at minimizing pollutant discharges from the site.
10. The schematic erosion control measures shown are a minimum. The contractor shall provide all necessary means to protect existing facilities and adjacent properties from noise, dust, and storm water runoff throughout construction of the project and buildings on lots, and shall conduct his operations in such a manner that storm water will be contained on site or channeled into a storm drain system, provided that it is free from pollutants and debris.
11. Contractor shall hydro–seed all exposed slopes employing best management practices and/or recommended soil preparation to promote and sustain growth. All erosion control structures shall remain in place until exposed slopes have been permanently stabilized. Contractor shall be responsible for watering and maintaining hydro–seed until stabilized. Any deviation shall be approved by the engineer.
12. All site revegetation shall be completed within 90 days of completion of grading work, or prior to release of subdivision guarantee or issuance of Certificate of Occupancy, which ever occurs first. Permanent bank/slope stabilization shall be certified by the Project Engineer or Landscape Architect documenting the bank/slope stabilization was completed according to plan prior to final subdivision release or certificate of occupancy.
13. Contractor shall protect all permanent and existing storm water facilities from sediment/silt during construction.
14. Silt fencing and/or other sediment control (i.e. straw baffles, hay bales, etc.) shall be used at the toe of any erodible slope, following contours of slope (do not install silt fence across any drainage course).
15. (1) Once the construction activities have been completed and the site has met the final stabilization requirements of the permit, the authorized site representative may file a notice or termination (NOT) with ADEQ, with a copy submitted to the Town of Prescott Valley to terminate coverage under the permit.

GENERAL GRADING AND PAVING NOTES:

A. GRADING

1. Borrow material should be free of debris, organic materials, and three inch (3–inch) size particles or larger. We recommend fill material conform to the following general specification or approved equal:

U.S. STANDARD SIEVE	PERCENT PASSING
3.0–inch	100
NO. 40	40–60
NO. 200	0–30

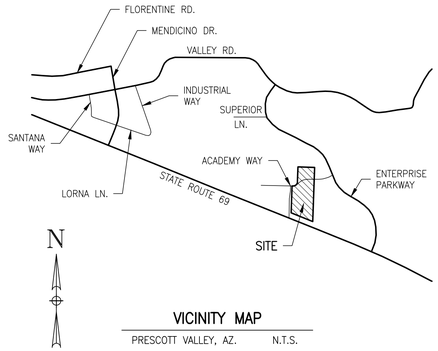
   The Plasticity Index should be between 2 and 15 unless otherwise specified in the project soils report.
2. All subgrade materials shall be scarified to a depth of eight inches (8"), the moisture content adjusted to near optimum, then compacted to 95 percent of ASTM D–698.
3. Sufficient compaction tests shall be taken to verify compliance with these specifications.
4. Clearing and grubbing shall extend to the limits of grading and construction shall be in accordance with MAG Specifications, Section 201.
5. Trench excavations, backfilling and compaction shall conform to MAG Specifications, Section 601, Type I, unless noted otherwise.

B. PAVING

1. No paving construction shall be started until all underground utilities within the pavement prism are completed.
2. All frames, covers, valve boxes, manholes, etc., shall be adjusted to finish grade of asphaltic concrete surface course by the Contractor as per MAG Standard Details No. 270, 391 & 422.
3. The base course shall not be placed on the subgrade until the subgrade and base requirements are completed and accepted by the Engineer.
4. All aggregate base course (ABC) shall be placed in 6 to 8–inch loose lifts, the moisture content adjusted to near optimum, then compacted to 95 percent of ASTM D–698.
5. All asphaltic concrete (A.C.) shall be C–3/4 inch as per applicable MAG Specifications. Mix design shall be submitted to the Geotechnical Engineer for approval prior to start of construction.
6. A.C. compaction shall be 95 percent of ASTM D–1559, 75 blow Marshall Density test.

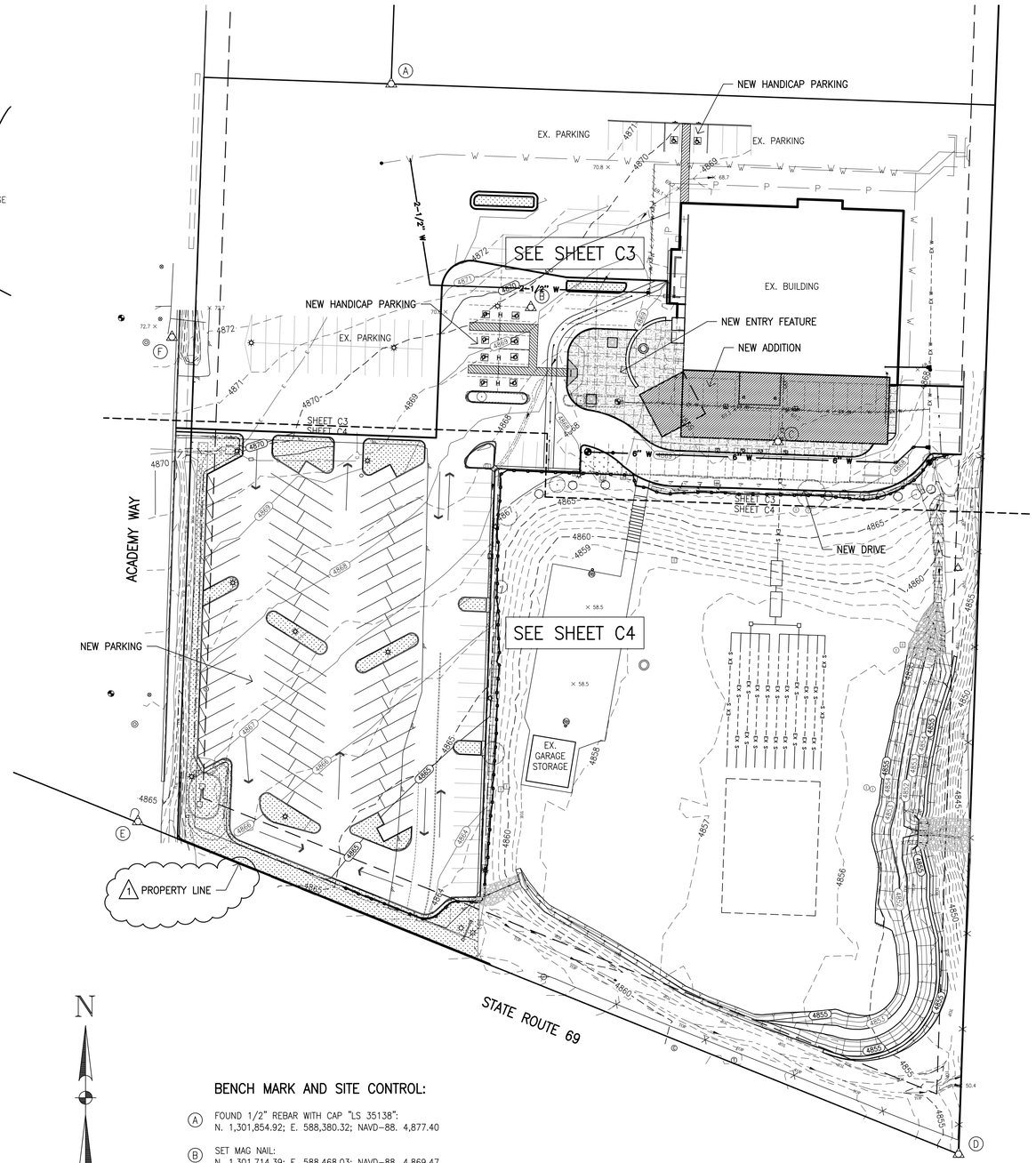
C. SPECIAL NOTES

1. See the Architectural Site Plan for dimensional layout of the building and parking lot.



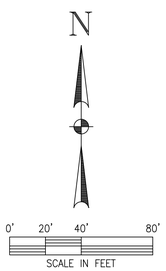
VICINITY MAP

PRESCOTT VALLEY, AZ. N.T.S.



KEY MAP

1"=40'



LEGEND:

△	TEMPORARY BENCH MARK AS NOTED.
(---)	DENOTES RECORD DIMENSION
65.2 ×	EXISTING SPOT ELEVATION BY SEPT. 2016 SURVEY (4865.2)
----4865----	EXISTING GRADE CONTOUR BY SEPT. 2016 SURVEY. (NAVD–88)
APN.	ASSESSOR'S PARCEL NUMBER
BK.	BOOK
ELEV.	ELEVATION
EX.	EXISTING
L.S.	LAND SURVEYS
PG.	PAGE
P.U.E.	PUBLIC UTILITY EASEMENT
R.O.W.	RIGHT OF WAY
Y.C.R.O.	YAVAPAI COUNTY RECORDER OFFICE
	EXISTING BASKETBALL HOOP
©	EXISTING COMMUNICATION RISER
	EXISTING FIRE HYDRANT
	EXISTING FLAG POLE
	EXISTING IRRIGATION BOX
	EXISTING IRRIGATION CONTROLS
	EXISTING ELECTRIC JUNCTION BOX
	EXISTING LIGHT
	EXISTING POWER POLE
Ⓢ	EXISTING SEWER SERVICE STUB
	EXISTING SIGN
Ⓣ	EXISTING "T" POST BY OTHERS
⊗	EXISTING WATER VALVE
	EDGE OF PAVEMENT
	FLOW LINE
	EX. TREE

BENCH MARK AND SITE CONTROL:

(A) FOUND 1/2" REBAR WITH CAP "LS 35138":
N. 1,301,854.92; E. 588,380.32; NAVD–88. 4,877.40

(B) SET MAG NAIL:
N. 1,301,714.39; E. 588,468.03; NAVD–88. 4,869.47

(C) SET MAG NAIL:
N. 1,301,629.94; E. 588,623.35; NAVD–88. 4,868.94

(D) FOUND ALUMINUM CAP "LS 13011":
N. 1,301,181.99; E. 588,736.91; NAVD–88. 4,853.41

(E) FOUND REBAR IN HAND HOLE WITH CAST IRON LID:
N. 1,301,391.07; E. 588,221.10; NAVD–88. 4,863.81

(F) FOUND MAG NAIL (BY OTHERS) IN PAVEMENT:
N. 1,301,695.72; E. 588,242.50; NAVD–88. 4,872.46

Registered Professional Engineer (Civil) CERTIFICATE NO. 22880 GARY R. KELLEY 5.26.17 Date Signed ARIZONA, U.S.A.

EXPIRES 06/30/18

LIFEPOINTE CHURCH
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ARCHITECTURE & PLANNING

DRAWING: GENERAL NOTES – KEY MAP

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

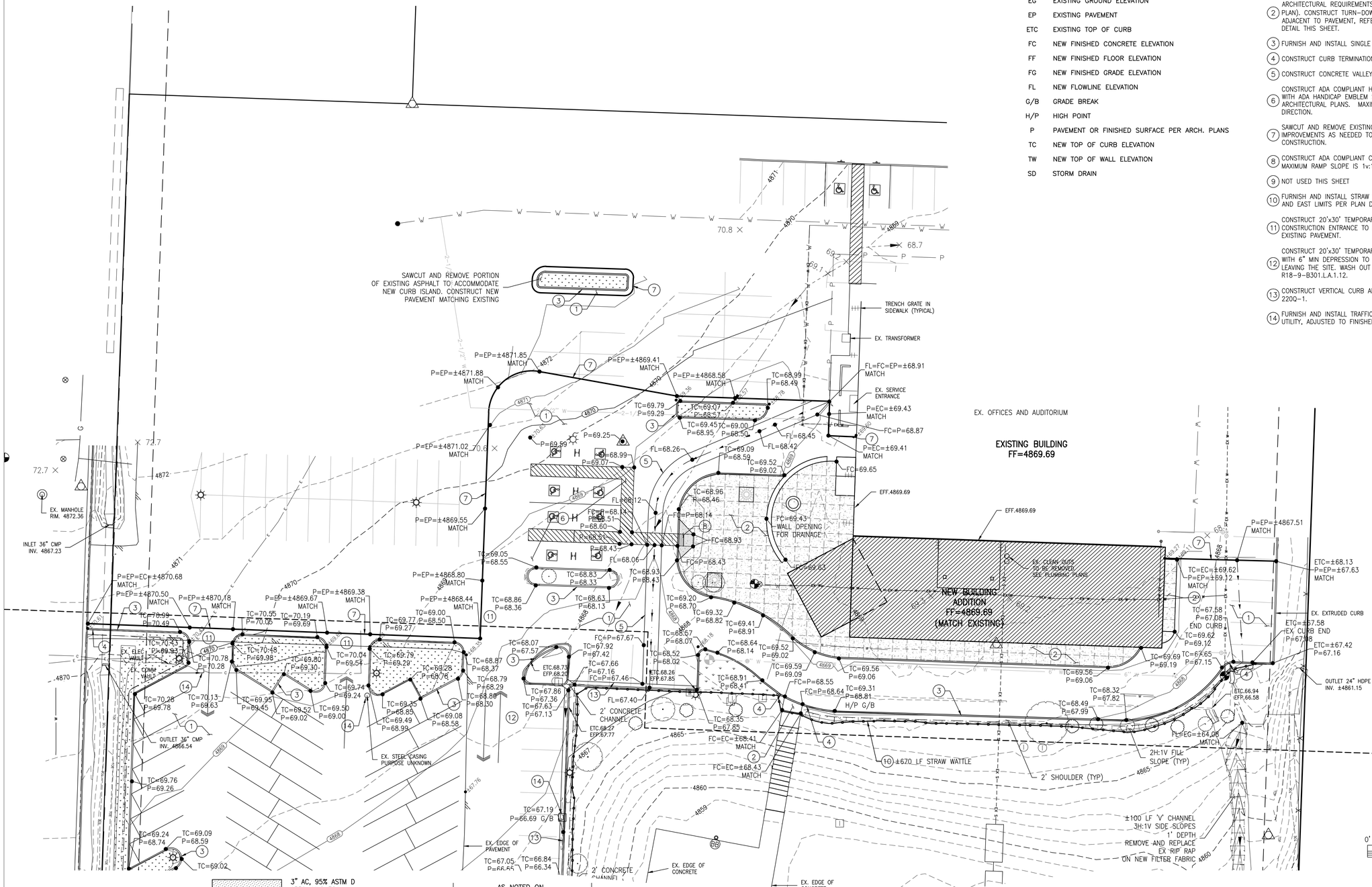
CHECKED BY W.A.K.

DATE May 26th, 2017

JOB NO. 684

SHEET C2

Jul 25, 2017 - 1:13pm

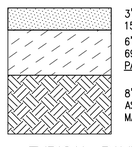


LEGEND:

EC	EXISTING CONCRETE ELEVATION
EFF	EXISTING FINISHED FLOOR ELEVATION
EG	EXISTING GROUND ELEVATION
EP	EXISTING PAVEMENT
ETC	EXISTING TOP OF CURB
FC	NEW FINISHED CONCRETE ELEVATION
FF	NEW FINISHED FLOOR ELEVATION
FG	NEW FINISHED GRADE ELEVATION
FL	NEW FLOWLINE ELEVATION
G/B	GRADE BREAK
H/P	HIGH POINT
P	PAVEMENT OR FINISHED SURFACE PER ARCH. PLANS
TC	NEW TOP OF CURB ELEVATION
TW	NEW TOP OF WALL ELEVATION
SD	STORM DRAIN

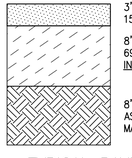
GRADING AND PAVING KEY

1. FURNISH AND INSTALL 3" AC ON 8" ABC FOR INTERIOR DRIVES OR 6" ABC FOR PARKING AREAS ON 8" PREPARED SUBGRADE PER MAG STANDARDS AND PROJECT SOILS REPORT.
2. CONSTRUCT CONCRETE SIDEWALK PER QC SD 230Q AND ARCHITECTURAL REQUIREMENTS (WIDTH PER ARCHITECTURAL SITE PLAN). CONSTRUCT TURN-DOWN SIDEWALK WHERE SIDEWALK IS ADJACENT TO PAVEMENT, REFER TO TURN-DOWN SIDEWALK DETAIL THIS SHEET.
3. FURNISH AND INSTALL SINGLE CURB PER MAG SD 222, TYPE A.
4. CONSTRUCT CURB TERMINATION PER MAG SD 222.
5. CONSTRUCT CONCRETE VALLEY GUTTER PER QC SD 240Q-1.
6. CONSTRUCT ADA COMPLIANT HANDICAP SPACE AND ACCESS AISLE WITH ADA HANDICAP EMBLEM STRIPING AND SIGN PER ARCHITECTURAL PLANS. MAXIMUM SLOPE IS 2% IN ANY DIRECTION.
7. SAWCUT AND REMOVE EXISTING PAVEMENT, CURB OR OTHER IMPROVEMENTS AS NEEDED TO ACCOMMODATE NEW CONSTRUCTION.
8. CONSTRUCT ADA COMPLIANT CURB RAMP (MAXIMUM 6" RISE) MAXIMUM RAMP SLOPE IS 1v:12h.
9. NOT USED THIS SHEET
10. FURNISH AND INSTALL STRAW WATTLE PROTECTION ALONG SOUTH AND EAST LIMITS PER PLAN DETAIL.
11. CONSTRUCT 20'x30' TEMPORARY GRAVEL STABILIZED CONSTRUCTION ENTRANCE TO PREVENT TRACKING SOIL ONTO EXISTING PAVEMENT.
12. CONSTRUCT 20'x30' TEMPORARY CONCRETE WASH OUT AREA WITH 6" MIN DEPRESSION TO PREVENT WASH OUT WATER FROM LEAVING THE SITE. WASH OUT AREA TO COMPLY WITH AAC R18-9-B301.L.A.1.12.
13. CONSTRUCT VERTICAL CURB AND GUTTER TYPE 'A' PER QC SD 220Q-1.
14. FURNISH AND INSTALL TRAFFIC RATED COVER ON EXISTING UTILITY, ADJUSTED TO FINISHED GRADE AS NEEDED.



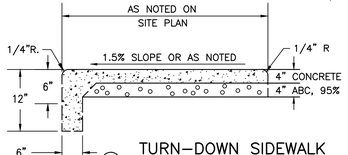
3" AC, 95% ASTM D 1559, MAG 321
6" ABC, 95% ASTM D 698, MAG 310 FOR PARKING AREAS
8" MIN SUBGRADE, 95% ASTM D 698 MAG 301.

TYPICAL PAVEMENT STRUCTURAL SECTION (1) NTS



3" AC, 95% ASTM D 1559, MAG 321
8" ABC, 95% ASTM D 698, MAG 310 FOR INTERIOR DRIVES
8" MIN SUBGRADE, 95% ASTM D 698 MAG 301.

TYPICAL PAVEMENT STRUCTURAL SECTION (1) NTS



TURN-DOWN SIDEWALK (2)
(QC SD NO. 230Q)
MODIFIED WITH TURNDOWN

APPROXIMATE RAW EARTHWORK QUANTITIES*

EXCAVATION = 2,234 CY

EMBANKMENT = 309 CY

*SPECIAL NOTE: SEE GENERAL CONSTRUCTION NOTE 103.27 SHEET 1. THESE QUANTITIES DO NOT INCLUDE ANY OVER-EXCAVATION THAT MAY BE REQUIRED PER THE SOILS REPORT.

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(OUTSIDE MARICOPA COUNTY)

Registered Professional Engineer (Civil)
CERTIFICATE NO.
22880
GARY R. KELLEY
5.26.17
Date signed
ARIZONA, U.S.A.
EXPIRES 06/30/18

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ARCHITECTURE & PLANNING

DRAWING: GRADING AND DRAINAGE PLAN

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	
CHECKED BY	W.A.K.
DATE	May 26th, 2017
JOB NO.	684
SHEET	C3

Jul 25, 2017 - 1:13pm

NEW BUILDING ADDITION FF=4869.69 (MATCH EXISTING)

SEE PLUMBING PLANS

EX. ELEC VAULT

EX. COMM VAULT

OUTLET 36" CMP INV. 4856.54

EX. STEEL CASING PURPOSE UNKNOWN

EX. EDGE OF PAVEMENT

2' CONCRETE CHANNEL

EX. EDGE OF CONCRETE

2' SHOULDER (TYP)

2H:1V FILL SLOPE (TYP)

EFC.4858.57

EX. GARAGE

2' CURB OPENING

EX. FIRE PIT

H/P G/B

±670 LF STRAW WATTLE

±100 LF 'V' CHANNEL 3H:1V SIDE SLOPES 1' DEPTH

REMOVE AND REPLACE EX RIP RAP ON NEW FILTER FABRIC

±612 SF RIP RAP

EX. EXTRUDED CURB

EX CURB END

OUTLET 24" HDPE INV. ±4861.15

2H:1V FILL SLOPE (TYP)

±180 LF 'V' CHANNEL 3H:1V SIDE SLOPES 1' DEPTH

3H:1V CUT SLOPE

2H:1V FILL SLOPE

2' BERM TOP=4856.00

EX 12" CMP INV. ±4851.69

DETENTION BASIN OUTLET STRUCTURE PER DETAIL THIS SHEET

EX 12" CMP INV. ±4841.80

±660 SF RIP RAP

±300 SF RIP RAP

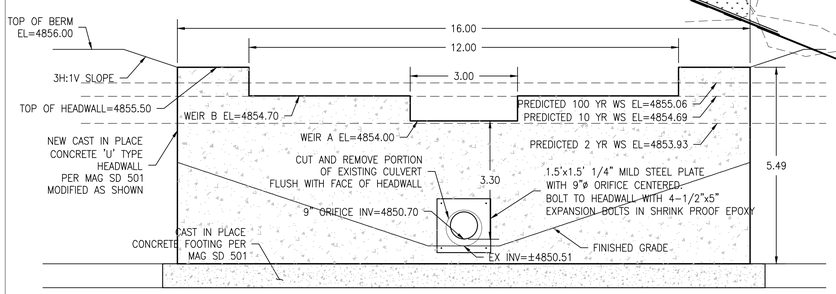
EXISTING SEWER TREATMENT SYSTEM SPECIAL NOTE:

THE PROPOSED BUILDING IMPROVEMENTS DO NOT AFFECT THE ANTICIPATED EXISTING SEWER DESIGN FLOW CONDITIONS.

GRADING AND PAVING KEY

1. FURNISH AND INSTALL 3" AC ON 8" ABC FOR INTERIOR DRIVES OR 6" ABC FOR PARKING AREAS ON 8" PREPARED SUBGRADE PER MAG STANDARDS AND PROJECT SOILS REPORT.
2. CONSTRUCT CONCRETE SIDEWALK PER QC SD 230Q AND ARCHITECTURAL REQUIREMENTS (WIDTH PER ARCHITECTURAL SITE PLAN). CONSTRUCT TURN-DOWN SIDEWALK WHERE SIDEWALK IS ADJACENT TO PAVEMENT, REFER TO TURN-DOWN SIDEWALK DETAIL SHEET C3.
3. FURNISH AND INSTALL SINGLE CURB PER MAG SD 222, TYPE A.
4. CONSTRUCT CURB TERMINATION PER MAG SD 222.
5. CONSTRUCT CONCRETE VALLEY GUTTER PER QC SD 240Q-1.
6. NOT USED THIS SHEET
7. SAWCUT AND REMOVE EXISTING PAVEMENT, CURB OR OTHER IMPROVEMENTS AS NEEDED TO ACCOMMODATE NEW CONSTRUCTION.
8. NOT USED THIS SHEET
9. FURNISH AND PLACE STONE RIP RAP ON FILTER FABRIC, 12" THICK, d_{50}=6" PER PLAN.
10. FURNISH AND INSTALL STRAW WATTLE PROTECTION ALONG SOUTH AND EAST LIMITS PER PLAN DETAIL.
11. CONSTRUCT 20'x30' TEMPORARY GRAVEL STABILIZED CONSTRUCTION ENTRANCE TO PREVENT TRACKING SOIL ONTO EXISTING PAVEMENT.
12. CONSTRUCT 20'x30' TEMPORARY CONCRETE WASH OUT AREA WITH 6" MIN DEPRESSION TO PREVENT WASH OUT WATER FROM LEAVING THE SITE. WASH OUT AREA TO COMPLY WITH AAC R18-9-B301.L.A.1.12.
13. CONSTRUCT VERTICAL CURB AND GUTTER TYPE 'A' PER QC SD 220Q-1.
14. FURNISH AND INSTALL TRAFFIC RATED COVER ON EXISTING UTILITY, ADJUSTED TO FINISHED GRADE AS NEEDED.

DETENTION BASIN OUTLET DETAIL



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1 7-25-17 REVISED PER TOWN REVIEW COMMENTS	KWE

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PROJECT: Lifepointe Church
10100 E. State Rt. 69
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APN: 402-14-047J

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FAX 778-2220

Registered Professional Engineer (Civil) 22880 GARY R. KELLEY Date Signed 6/30/18 ARIZONA, U.S.A.

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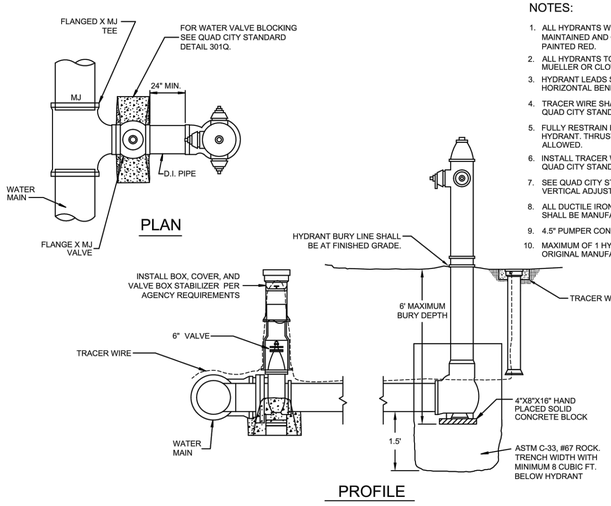
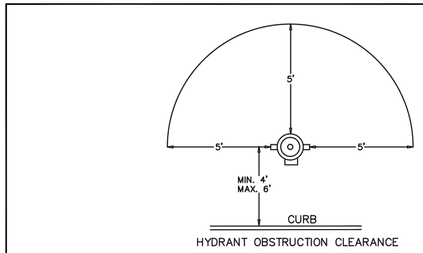


NOTES:

1. ALL HYDRANTS WHICH ARE PRIVATELY MAINTAINED AND OWNED ARE TO BE PAINTED RED.
2. ALL HYDRANTS TO BE WATEROUS, MUELLER OR CLOW.
3. HYDRANT LEADS SHALL HAVE NO HORIZONTAL BENDS.
4. TRACER WIRE SHALL CONFORM TO QUAD CITY STANDARD DETAIL 319Q-1
5. FULLY RESTRAIN HYDRANT LEAD AND HYDRANT. THRUST BLOCKS ARE NOT ALLOWED.
6. INSTALL TRACER WIRE STATION PER QUAD CITY STANDARD DETAIL 319Q-2.
7. SEE QUAD CITY STANDARD DETAIL 363Q FOR VERTICAL ADJUSTMENT.
8. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE MANUFACTURED IN THE U.S.A.
9. 4.5" PUMPER CONNECTION TO FACE CURB.
10. MAXIMUM OF 1 HYDRANT EXTENSION - ORIGINAL MANUFACTURER.

QUAD CITY STANDARD DETAIL	FIRE HYDRANT INSTALLATION	REVISED: 07/16	DETAIL No. 360Q



NOTES:

1. OBSTRUCTIONS SUCH AS UTILITY POLES, STREET SIGNS, IRRIGATION BOXES, FENCES, LANDSCAPE VEGETATION, ETC. MUST NOT BE PLACED BETWEEN CURB AND HYDRANT
2. SOME LOCATIONS APPLY AT EITHER END OF CURB RETURNS.
3. ALL HYDRANTS WHICH ARE PRIVATELY MAINTAINED AND OWNED ARE TO BE PAINTED RED.
4. IN PARKING LOT ISLANDS, HYDRANT TO BE MIN. 3' IN ALL DIRECTIONS FROM BACK OF CURB.
5. HYDRANTS TO BE CLEAR OF LANDSCAPE & VEGETATION WITHIN A 5' RADIUS.

QUAD CITY STANDARD DETAIL	LOCATIONS FOR NEW FIRE HYDRANTS	REVISED: 07/16	DETAIL No. 362Q

WATER KEY

- W1 FURNISH AND INSTALL 2-1/2" WATER SERVICE CONNECTION ON EXISTING WATER PIPE. CONTRACTOR TO VERIFY EXISTING WATER PIPE LOCATION, SIZE, INVERT, MATERIAL AND CONDITION PRIOR TO CONSTRUCTION.
- W2 FURNISH AND INSTALL 2-1/2" SCH-40 PVC PRIVATE YARD LINE PER INTERNATIONAL PLUMBING CODE. TRENCH EXCAVATION AND BACKFILL PER MAG SPECIFICATION 601 AND PLAN DETAILS.
- W3 CONNECT TO EXISTING WATER MAIN WITH TAPPING SLEEVE PER MAG SD 340 AND PVSD 340-1 AND VALVE, BOX, AND COVER PER MAG SD 391-1, PVSD 391-1A AND MAG SD 392 WITH BLUE COLORED CAP AND PER AWWA AND ASTM STANDARDS. VERIFY EXISTING PIPE SIZE, LOCATION, INVERT AND MATERIAL PRIOR TO CONSTRUCTION.
- W4 FURNISH AND INSTALL 6" C900 PVC WATER MAIN. TRENCH PER PVSD 270-2. FURNISH AND INSTALL THRUST BLOCKS AT ALL BENDS PER MAG SD 380.
- W5 PORTION OF EXISTING WATER LINE TO BE ABANDONED.
- W6 EX FIRE HYDRANT AND VALVE TO BE RELOCATED. EXISTING FIRE HYDRANT AND VALVE TO BE REINSTALLED PER QC SD 360Q, 362Q AND PER AWWA AND ASTM STANDARDS.

FIRE KEY

A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT PRIOR TO CONSTRUCTION OF THE PRIVATE UNDERGROUND FIRE MAIN. CONFIRM FIRE MAIN SIZE WITH BUILDING FIRE SPRINKLER DESIGN PLANS.

- F1 CONNECT TO EXISTING WATER MAIN WITH COORDINATED SHUT DOWN. FURNISH AND INSTALL TEE WITH 2-VALVES, BOXES, AND COVERS AS SHOWN PER MAG SD 391-1, PVSD 391-1A AND MAG SD 392 WITH BLUE COLORED CAP AND PER AWWA AND ASTM STANDARDS. VERIFY EXISTING PIPE SIZE, LOCATION, INVERT AND MATERIAL PRIOR TO CONSTRUCTION.
- F2 FURNISH AND INSTALL 4" C900 FIRE MAIN. TRENCH PER PVSD 270-2. FURNISH AND INSTALL THRUST BLOCKS AT ALL BENDS PER MAG SD 380.
- F3 EXACT LOCATION OF BUILDING SERVICE CONNECTION PER ARCHITECTURAL AND FIRE SPRINKLER PLANS. FURNISH AND INSTALL 4" STAINLESS STEEL IN-BUILDING FIRE RISER (BY OTHERS) PER CYFD DETAIL. PROVIDE 1" GAP AROUND PERIMETER OF RISER AND CONCRETE SLAB.
- F4 EXISTING FIRE RISER TO BE REMOVED TO BELOW GRADE.

LEGEND

- HYDRANT
- WATER METER
- RPZA
- WATER VALVE
- DOUBLE CLEANOUT WITH BACKWATER VALVE
- W WATER LINE
- S SEWER LINE

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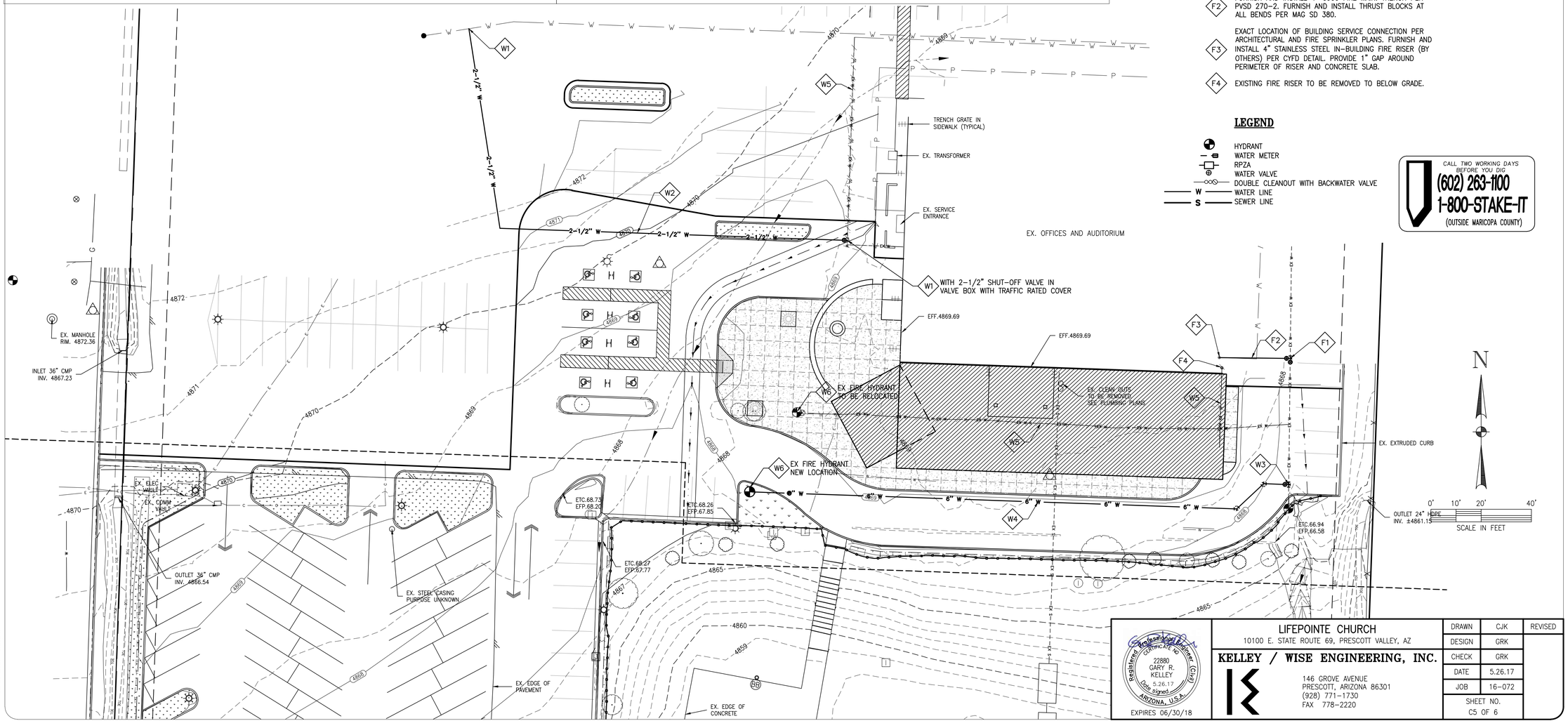

Jul 25, 2017 - 1:13pm

Registered Professional Engineer (Civil) CERTIFICATE NO. 22880 GARY R. KELLEY Date signed 5.26.17 ARIZONA, U.S.A.
EXPIRES 06/30/18

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APN: 402-14-047J

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CHECKED BY	W.A.K.
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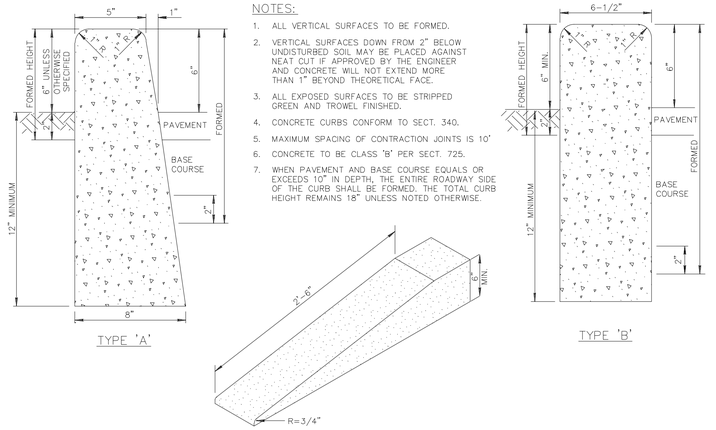
SHEET	C5



TYPE 'A'

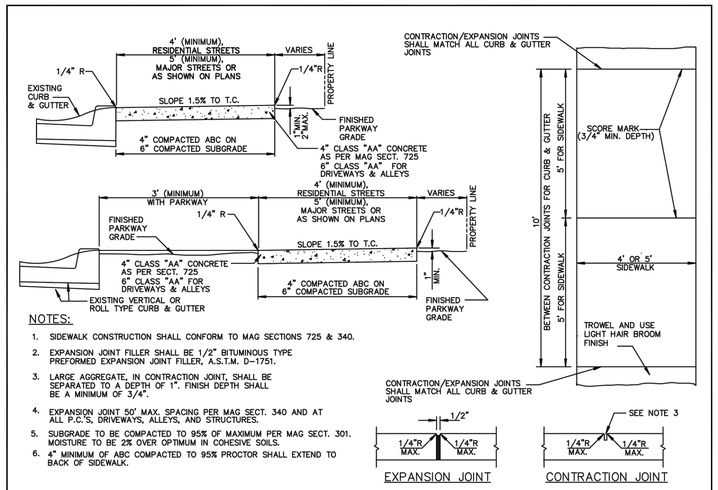
NOTES:

1. ALL VERTICAL SURFACES TO BE FORMED.
2. VERTICAL SURFACES DOWN FROM 2" BELOW UNDISTURBED SOIL MAY BE PLACED AGAINST NEAT CUT IF APPROVED BY THE ENGINEER AND CONCRETE WILL NOT EXTEND MORE THAN 1" BEYOND THEORETICAL FACE.
3. ALL EXPOSED SURFACES TO BE STRIPPED GREEN AND TROWEL FINISHED.
4. CONCRETE CURBS CONFORM TO SECT. 340.
5. MAXIMUM SPACING OF CONTRACTION JOINTS IS 10'
6. CONCRETE TO BE CLASS 'B' PER SECT. 725.
7. WHEN PAVEMENT AND BASE COURSE EQUALS OR EXCEEDS 10" IN DEPTH, THE ENTIRE ROADWAY SIDE OF THE CURB SHALL BE FORMED. THE TOTAL CURB HEIGHT REMAINS 18" UNLESS NOTED OTHERWISE.

TYPICAL CURB TERMINATION

TYPE 'B'

DETAIL NO.	STANDARD DETAIL		REVISED	DETAIL NO.
222	MARICOPA ASSOCIATION of GOVERNMENTS ENGLISH	SINGLE CURB – TYPES A, B AND TERMINATION	01-01-2008	222



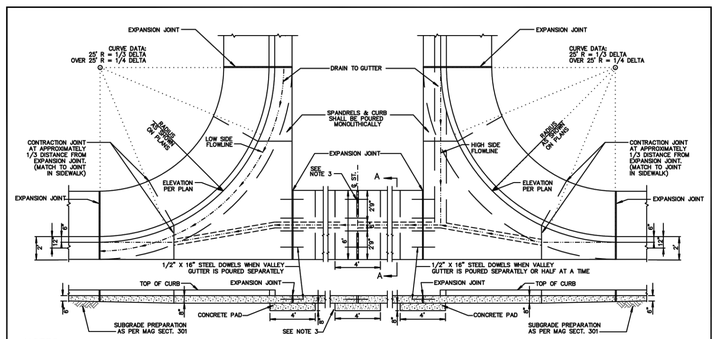
NOTES:

1. SIDEWALK CONSTRUCTION SHALL CONFORM TO MAG SECTIONS 725 & 340.
2. EXPANSION JOINT FILLER SHALL BE 1/2" BITUMINOUS TYPE PREFORMED EXPANSION JOINT FILLER, A.S.T.M. D-1751.
3. LARGE AGGREGATE, IN CONTRACTION JOINT, SHALL BE SEPARATED TO A DEPTH OF 1". FINISH DEPTH SHALL BE A MINIMUM OF 3/4".
4. EXPANSION JOINT 50' MAX. SPACING PER MAG SECT. 340 AND AT ALL P.C.'S, DRIVEWAYS, ALLEYS, AND STRUCTURES.
5. SUBGRADE TO BE COMPACTED TO 95% OF MAXIMUM PER MAG SECT. 301. MOISTURE TO BE 2% OVER OPTIMUM IN COHESIVE SOILS.
6. 4" MINIMUM OF ABC COMPACTED TO 95% PROCTOR SHALL EXTEND TO BACK OF SIDEWALK.

EXPANSION JOINT

CONTRACTION JOINT

QUAD CITY STANDARD DETAIL	SIDEWALKS	REVISED:	DETAIL No.
		07/16	230Q

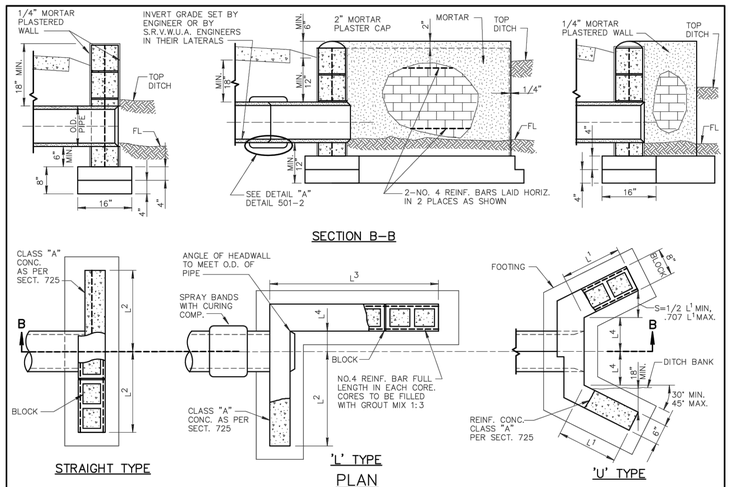


NOTES:

1. CONCRETE SHALL BE CLASS "AA" WITH 5%-7% ENTRAINED AIR PORTLAND CEMENT CONCRETE 600 LBS. WITH 3/4" AGGREGATE MAX., 4000 P.S.I. AT 28 DAYS & SHALL HAVE A SLUMP OF NOT MORE THAN 4 INCHES, PER MAG SECT. 340 & 725.
2. EITHER CONSTRUCTION JOINT OR CONTRACTION JOINT IS REQUIRED AT CENTERLINE OF STREET.
3. A SEPARATE CONCRETE PAD IS REQUIRED WHEN VALLEY GUTTER IS POURED SEPARATELY OR HALF AT A TIME.
4. EXPANSION JOINTS SHALL CONFORM TO MAG SECT. 340.
5. NO CONCRETE SHALL BE PLACED PRIOR TO FORM INSPECTION BY THE AGENCY ENGINEER OR DESIGNEE.
6. A MINIMUM OF 8" ABC (OR PER GEOTECH ANALYSIS) COMPACTED TO 95% PROCTOR SHALL EXTEND BELOW GUTTER & SPANDRELS.

SECTION A–A
VALLEY GUTTER

QUAD CITY STANDARD DETAIL	6' VALLEY GUTTER & SPANDRELS	REVISED:	DETAIL No.
		07/16	240Q-1



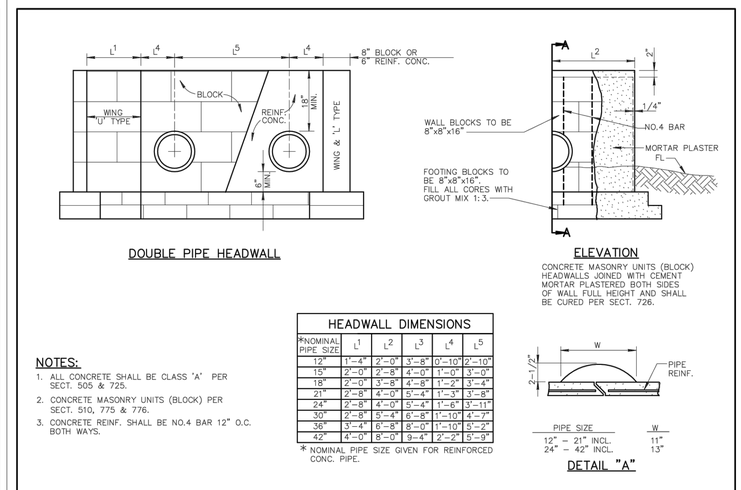
STRAIGHT TYPE

'L' TYPE

PLAN

'U' TYPE

DETAIL NO.	STANDARD DETAIL		REVISED	DETAIL NO.
501–1	MARICOPA ASSOCIATION of GOVERNMENTS ENGLISH	HEADWALL	01–01–2012	501–1



DOUBLE PIPE HEADWALL

ELEVATION

CONCRETE MASONRY UNITS (BLOCK) HEADWALLS JOINED WITH CEMENT MORTAR PLASTERED BOTH SIDES OF WALL FULL HEIGHT AND SHALL BE CURED PER SECT. 726.

NOTES:

1. ALL CONCRETE SHALL BE CLASS 'A' PER SECT. 505 & 725.
2. CONCRETE MASONRY UNITS (BLOCK) PER SECT. 510, 775 & 776.
3. CONCRETE REINF. SHALL BE NO.4 BAR 12" O.C. BOTH WAYS.

HEADWALL DIMENSIONS

NOMINAL PIPE SIZE	L1	L2	L3	L4	L5
12"	1'-4"	2'-0"	3'-8"	0'-10"	2'-10"
15"	2'-0"	2'-8"	4'-0"	1'-0"	3'-0"
18"	2'-0"	3'-8"	4'-8"	1'-2"	3'-4"
21"	2'-8"	4'-0"	5'-4"	1'-3"	3'-8"
24"	2'-8"	4'-0"	5'-4"	1'-6"	3'-11"
30"	2'-8"	5'-4"	6'-8"	1'-10"	4'-7"
36"	3'-4"	6'-8"	8'-0"	1'-10"	5'-2"
42"	4'-0"	8'-0"	9'-4"	2'-2"	5'-9"

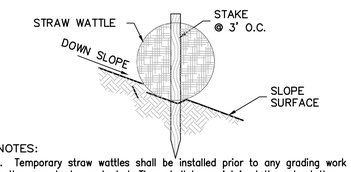
* NOMINAL PIPE SIZE GIVEN FOR REINFORCED CONC. PIPE.

PIPE SIZE	W
12" – 21" INCL.	11"
24" – 42" INCL.	13"

DETAIL "A"

DETAIL NO.	STANDARD DETAIL		REVISED	DETAIL NO.
501–2	MARICOPA ASSOCIATION of GOVERNMENTS ENGLISH	HEADWALL	01–01–2012	501–2

HEADWALL SHALL BE CONSTRUCTED OUT OF CAST IN PLACE CONCRETE

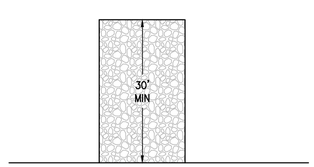


NOTES:

1. Temporary straw wattles shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.

2. Anchors shall be rebar, steel pickets or 2" x 2" stakes, and shall be long enough to extend at least 1.5 to 2.0 feet into the ground when the top is flush.

⑩ STRAW WATTLE BARRIER
N.T.S



HARD SURFACE PUBLIC ROAD

⑪ STABILIZED CONSTRUCTION ENTRANCE
N.T.S

HEADWALL SHALL BE CONSTRUCTED OUT OF CAST IN PLACE CONCRETE

SPECIAL NOTES:

THE STANDARD DETAILS AND SPECIFICATIONS SHOWN HEREON HAVE BEEN ADOPTED BY THE TOWN OF PRESCOTT VALLEY. COMPLIANCE WITH THESE STANDARD DETAILS AND SPECIFICATIONS IS REQUIRED IN CONSTRUCTING ALL APPLICABLE PUBLIC IMPROVEMENTS. KELLEY/WISE ENGINEERING IS NOT RESPONSIBLE FOR THE CONTENT OF THE TOWN OF PRESCOTT VALLEY STANDARD DETAILS AND SPECIFICATIONS.

ALL CONCRETE USED IN CONSTRUCTION OF THE STANDARD DETAIL CONCRETE IMPROVEMENTS AS SHOWN HEREON SHALL BE MINIMUM CLASS AA PER MAG SPECIFICATIONS SECTION 725, 4000 PSI CONCRETE WITH ENTRAINED AIR, WATER/CEMENT RATIO OF 0.45 AND 18% FLY ASH.

CALL TWO WORKING DAYS BEFORE YOU DIG
(602) 263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

Registered Professional Engineer (Civil) CERTIFICATE NO. 22880 GARY R. KELLEY 5.26.17 Date signed Arizona, U.S.A.
EXPIRES 06/30/18

LIFEPOINTE CHURCH
10100 E. STATE ROUTE 69, PRESCOTT VALLEY, AZ

KELLEY / WISE ENGINEERING, INC.

146 GROVE AVENUE
PRESCOTT, ARIZONA 86301
(928) 771-1730
FAX 778-2220

DRAWN	CJK	REVISED
DESIGN	GRK	
CHECK	GRK	
DATE	5.26.17	
JOB	16-072	
SHEET NO.	C6 OF 6	

REVISIONS	BY

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F 928-443-5815 Prescott, AZ 86304
email: waka@cableone.net
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ARCHITECTURE & PLANNING

DRAWING: DETAILS

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

CHECKED BY W.A.K.

DATE May 26th, 2017

JOB NO. 684

SHEET C6

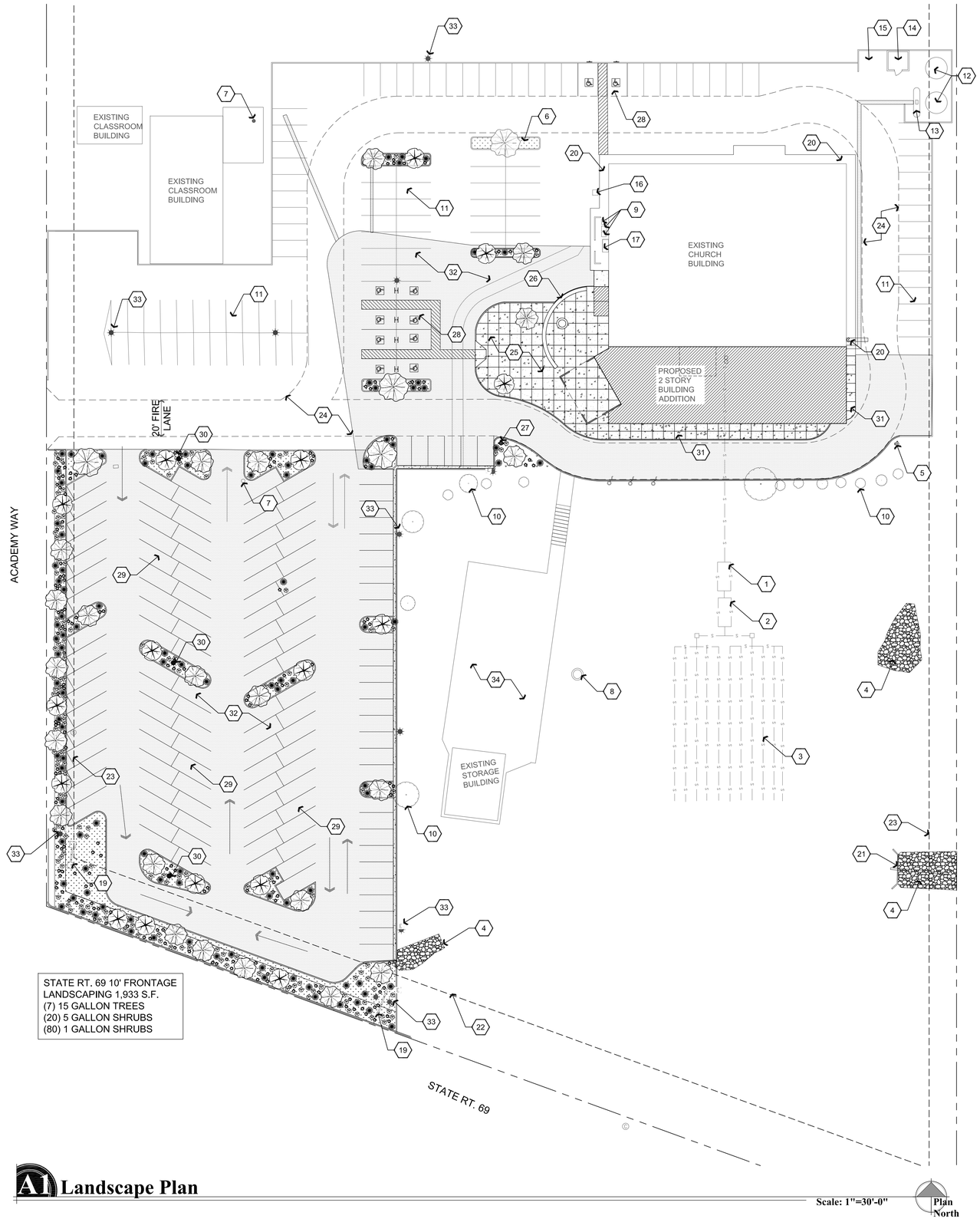
Jul 25, 2017 - 1:13pm

NEW ISLANDS IN EXISTING PARKING AREA
773 S.F.
PLUS ONE TREE IN PATIO AREA
(6) 15 GALLON TREES
(10) 5 GALLON SHRUBS
(19) 1 GALLON SHRUBS

NEW PARKING AREA
2,994 S.F.
(17) 15 GALLON TREES
(41) 5 GALLON SHRUBS
(88) 1 GALLON SHRUBS

ACADEMY WAY
10' FRONTAGE LANDSCAPING
2,463 S.F.
(8) 15 GALLON TREES
(25) 5 GALLON SHRUBS
(100) 1 GALLON SHRUBS

STATE RT. 69 10' FRONTAGE
LANDSCAPING 1,933 S.F.
(7) 15 GALLON TREES
(20) 5 GALLON SHRUBS
(80) 1 GALLON SHRUBS



A1 Landscape Plan

Scale: 1"=30'-0"

Plan North

Descriptive Keynotes

1. EXISTING 4000 GALLON SEPTIC TANK.
2. EXISTING 2500 GALLON SEPTIC TANK.
3. EXISTING DISPOSAL TRENCH SYSTEM.
4. PROVIDE RIP RAP, REFER TO CIVIL PLANS.
5. EXISTING FIRE HYDRANT.
6. EXISTING PLANTER AND PLANTS TO REMAIN.
7. EXISTING WELL.
8. EXISTING FIRE PIT.
9. EXISTING HVAC CONDENSER.
10. EXISTING PLANTS TO REMAIN UNLESS REQUIRED TO BE REMOVED FOR CONSTRUCTION OF FIRE LANE, ETC, TYPICAL.
11. EXISTING PARKING SPACES.
12. EXISTING WATER TANKS.
13. EXISTING PROPANE TANK.
14. EXISTING PUMP HOUSE.
15. EXISTING DUMPSTER ENCLOSURE.
16. EXISTING POWER COMPANY TRANSFORMER.
17. EXISTING ELECTRIC SERVICE ENTRANCE SECTION.
18. NOT USED.
19. EXISTING SIGNAGE.
20. EXISTING SIDEWALK.
21. DETENTION BASIN OUTLET STRUCTURE, REFER TO CIVIL PLANS.
22. 30' SETBACK LINE.
23. 15' SIDE SETBACK LINE.
24. PROPOSED 20' FIRE LANE.
25. PROPOSED CONCRETE PATIO AREA, REFER TO ARCHITECTURAL SITE PLAN.
26. PROPOSED BLOCK SEATING WALL. REFER TO ARCHITECTURAL SITE PLAN.
27. RELOCATED FIRE HYDRANT.
28. PROPOSED ADA PARKING SPACE, TYPICAL, REFER TO CIVIL PLANS.
29. PROPOSED STANDARD PARKING SPACE, TYPICAL, REFER TO CIVIL PLANS.
30. PROPOSED LIGHTING STANDARD, REFER TO ELECTRICAL PLANS.
31. PROPOSED SIDEWALK, REFER TO ARCHITECTURAL SITE PLAN.
32. PROPOSED ASPHALTIC PAVEMENT.
33. EXISTING SITE LIGHTING.
34. EXISTING CONCRETE SLAB.

Legend

- TYPICALLY INDICATES PROPOSED ASPHALT PARKING AREA
- TYPICALLY INDICATES PROPOSED LANDSCAPED AREA
- TYPICALLY INDICATES PROPOSED CONCRETE SIDEWALK
- TYPICALLY INDICATES DRAINAGE FLOW DIRECTION
- TYPICALLY INDICATES TRAFFIC DIRECTION

Plant Schedule

SYMBOL	SIZE	QUANTITY	COMMON NAME / SCIENTIFIC NAME
	1 GAL	180	DEER GRASS
	1 GAL	174	COTONEASTER
	5 GAL	108	CISTENA PLUM SHRUB
	15 GAL	23	SUNBURST HONEYLOCUST
	15 GAL	21	ARIZONA ASH

TOTAL LANDSCAPE AREA PROVIDED: 4,105 S.F.

NOTES:
1. LANDSCAPE PLANTINGS SHALL BE WATERED VIA DRIP IRRIGATION SYSTEM ON LANDSCAPE TIME CLOCK.
2. PROVIDE BACKFLOW PREVENTOR FOR DRIP IRRIGATION SYSTEM.
3. SPRAY ALL GROUND COVER AREAS W/ PRE-EMERGENT FOR WEED CONTROL.
4. PROVIDE WEED BARRIER IN ALL PLANTER AREAS.
5. GROUND COVER IN ALL PLANTER AREAS SHALL BE 3/4" COLORED ROCK. WHERE SLOPES ARE TOO STEEP, PROVIDE 2" - 3" FRACTURED RIP RAP OF MATCHING COLOR.

REVISIONS	BY

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REGISTERED ARCHITECT
CERTIFICATE NO.
25646
W. ALAN KENSON
Date Signed 06/30/17
ARIZONA, U.S.A.
EXPIRES: 6/30/18

W. Alan Kenson & Associates, P.C.
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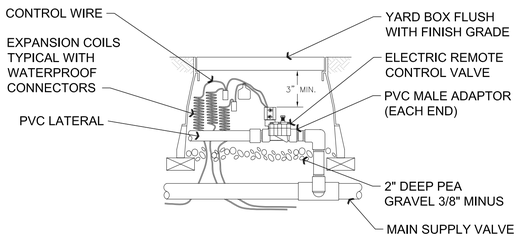
email: waka@cableone.net
www.kenson-associates.com

DRAWING: LANDSCAPE PLAN
PROJECT: Lifepointe Church, 10100 E. State Rt. 69, Prescott Valley, AZ 86314
APN: 402-14-047J

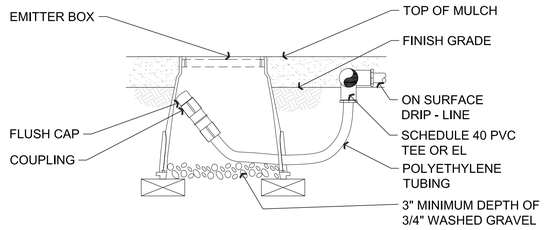
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: L1.0

Jun 02, 2017 - 11:39am



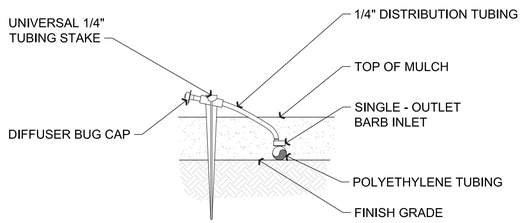
NOTE: SEAL ALL THREADED JOINTS / FITTINGS WITH APPROVED SEALANT PRIOR TO ASSEMBLY

A4 Typical Electric Remote Control Valve



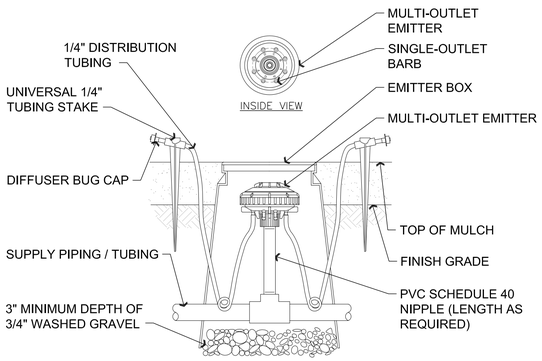
NOTE: ALLOW A MINIMUM 6" OF DRIP - LINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

B4 Typical Drip Line Flush Box



NOTE: FOR SLOPED CONDITIONS PLACE DISTRIBUTION POINT AT THE HIGH POINT OF THE PLANTING WELL.

B3 Typical Single - Port Emitter

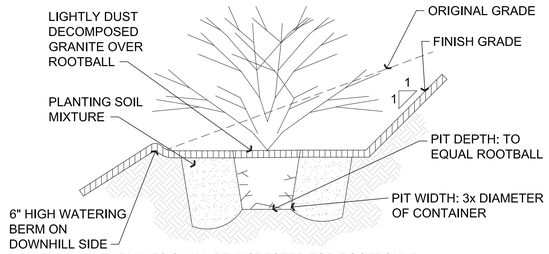


NOTE: COIL ADDITIONAL 9" OF TUBING IN EMITTER BOX TO FACILITATE MAINTENANCE.

INSTALL A MINIMUM OF (1) MULTI-PORT EMITTER PER TREE - EQUALLY SPACED AROUND DRIP LINE OF TREE CANOPY TYPICAL. OPEN ADDITIONAL PORTS AND INSTALL SPAGHETTI DISTRIBUTION TUBING TO PROVIDE ADEQUATE WATER AS TREE MATURES, (TYP.)

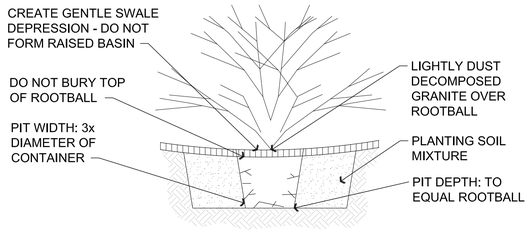
FOR SLOPED CONDITIONS PLACE DISTRIBUTION POINT AT THE HIGH POINT OF PLANTING WELL.

B1 Typical Multi - Port Emitter



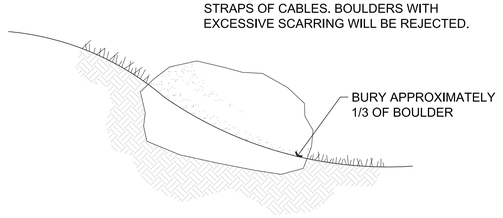
PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

C4 Typical Shrub Planting on Slope



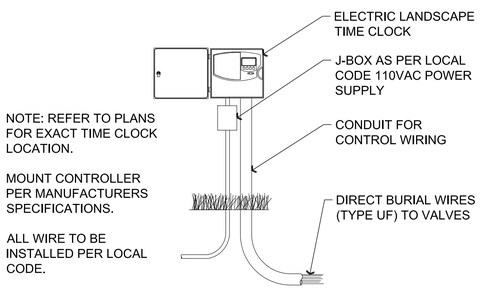
PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

C3 Typical Shrub Planting

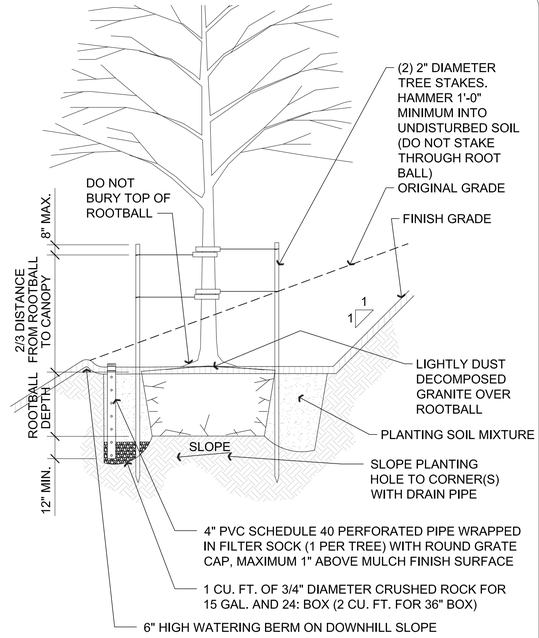


FOR SIZING OF BOULDERS REFER TO LANDSCAPE SCHEDULE

C2 Typical Boulder Detail



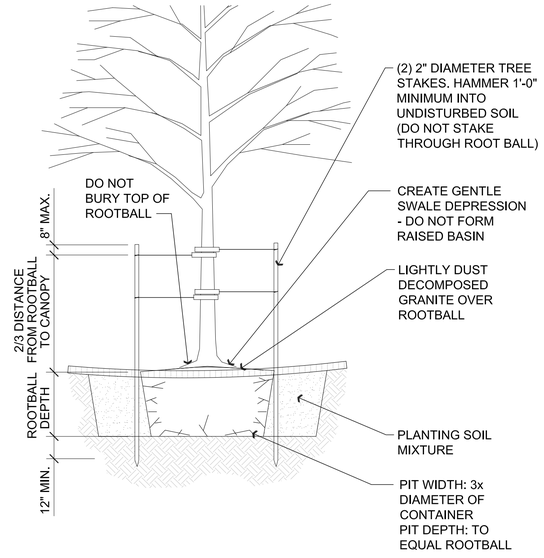
C1 Typical Electric Landscape Time Clock



NOTE: STAKE TREE PERPENDICULAR TO DIRECTION OF PREVAILING WIND.

PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

D3 Typical Tree Planting on Slope



NOTE: STAKE TREE PERPENDICULAR TO DIRECTION OF PREVAILING WIND.

PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

D1 Typical Tree Planting

Jun 02, 2017 - 11:50am

REVISIONS	BY

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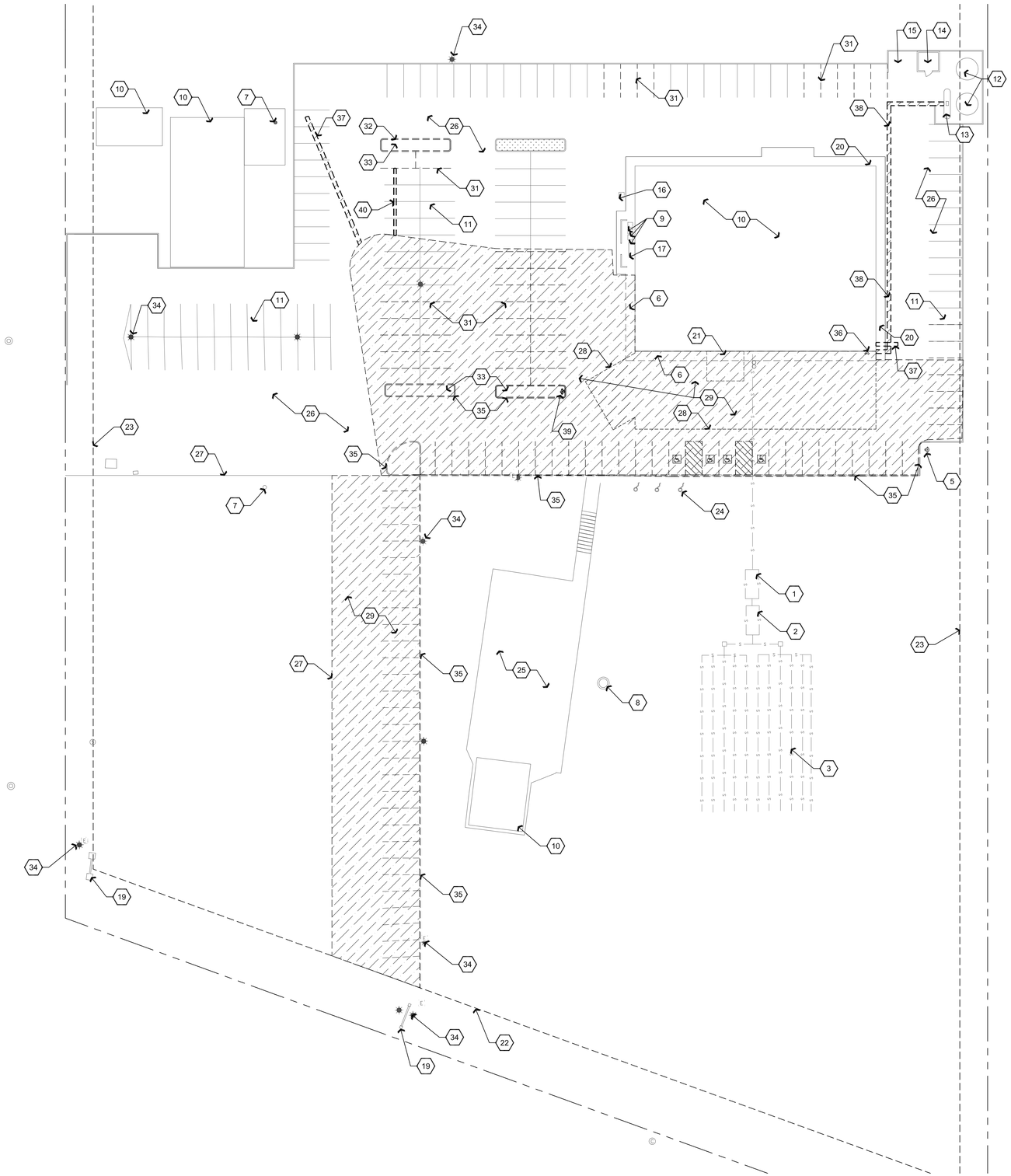
ARCHITECTURE & PLANNING

DRAWING: LANDSCAPE DETAILS

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	L1.1



Descriptive Keynotes

1. EXISTING 4000 GALLON SEPTIC TANK.
2. EXISTING 2500 GALLON SEPTIC TANK.
3. EXISTING DISPOSAL TRENCH SYSTEM.
4. NOT USED.
5. EXISTING FIRE HYDRANT.
6. REMOVE EXISTING CONCRETE SIDEWALK.
7. EXISTING WELL.
8. EXISTING FIRE PIT.
9. EXISTING HVAC CONDENSER.
10. EXISTING BUILDING.
11. EXISTING PARKING SPACES.
12. EXISTING 20,000 GALLON WATER TANKS.
13. EXISTING 1,000 GALLON PROPANE TANK.
14. EXISTING PUMP HOUSE.
15. EXISTING DUMPSTER ENCLOSURE.
16. EXISTING POWER COMPANY TRANSFORMER.
17. EXISTING ELECTRIC SERVICE ENTRANCE SECTION.
18. NOT USED.
19. EXISTING SIGNAGE.
20. EXISTING SIDEWALK.
21. EXISTING PORTICO TO BE DEMOLISHED.
22. 30' SETBACK LINE.
23. 15' SIDE SETBACK LINE.
24. EXISTING FLAGPOLE.
25. EXISTING CONCRETE SLAB.
26. EXISTING ASPHALTIC PAVEMENT.
27. EDGE OF EXISTING ASPHALTIC PAVEMENT.
28. BUILDING OUTLINE WITH PROPOSED BUILDING ADDITION. REFER TO PROPOSED SITE PLAN.
29. REMOVE ASPHALTIC PAVEMENT. REFER TO CIVIL PLANS.
30. NOT USED.
31. OBLITERATE EXISTING PARKING LOT STRIPING, TYPICAL. REFER TO ARCHITECTURAL SITE PLAN.
32. REMOVE CONCRETE ISLAND CURB. PATCH AND REPAIR ASPHALT TO MATCH EXISTING. REFER TO ARCHITECTURAL SITE PLAN.
33. REMOVE EXISTING LANDSCAPING.
34. EXISTING LIGHT STANDARD, TYPICAL.
35. REMOVE EXISTING CONCRETE CURB.
36. REMOVE AND RELOCATE EXISTING F.D.C. AND FIRE ALARM BELL TO EAST SIDE OF THE BUILDING.
37. SAWCUT AND REMOVE ASPHALTIC PAVEMENT. PROVIDE TRENCH FOR BELOW GRADE WATER LINE. REFER TO CIVIL PLANS.
38. SAWCUT AND REMOVE ASPHALTIC PAVEMENT FOR BELOW GRADE PROPANE GAS LINE. REFER TO PLUMBING PLANS.
39. EXISTING FIRE HYDRANT TO BE REMOVED AND RELOCATED, REFER TO CIVIL PLANS.
40. SAWCUT AND REMOVE ASPHALT PAVEMENT. PROVIDE TRENCH FOR LANDSCAPE DRIP IRRIGATION LINE.

A1 **Architectural Demolition Site Plan**

Scale: 1"=30'-0"

Plan North

Jun 02, 2017 - 11:50am

REVISIONS	BY

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REGISTERED ARCHITECT
CERTIFICATE NO.
25646
W. ALAN KENSON
Date Signed 06/05/17
ARIZONA, U.S.A.
EXPIRES: 6/30/18

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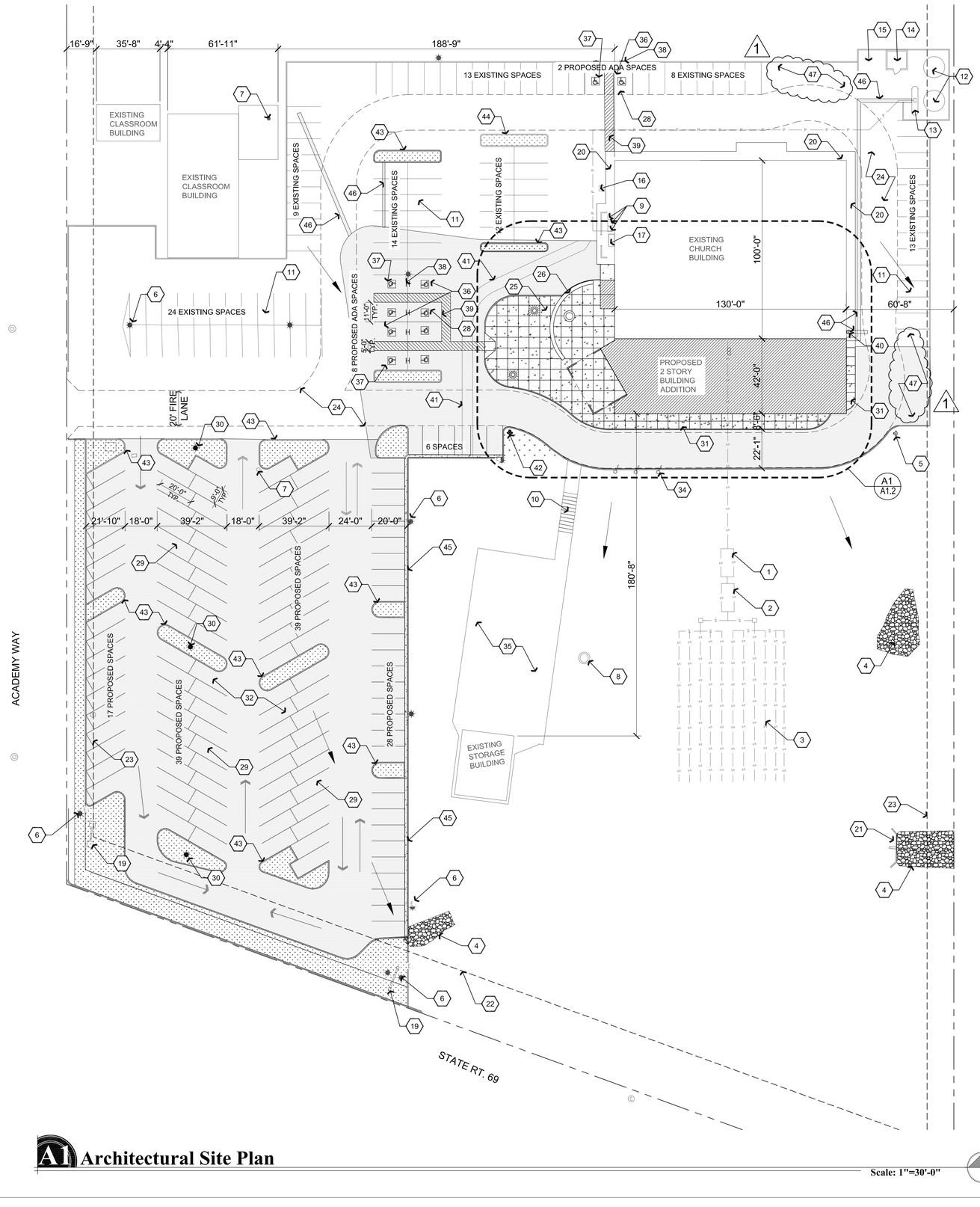
ARCHITECTURE & PLANNING

DRAWING: ARCHITECTURAL DEMOLITION SITE PLAN

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A1.0



Architectural Site Plan

Scale: 1"=30'-0"

Plan North

Descriptive Keynotes

1. EXISTING 4000 GALLON SEPTIC TANK.
2. EXISTING 2500 GALLON SEPTIC TANK.
3. EXISTING DISPOSAL TRENCH SYSTEM.
4. PROVIDE RIP RAP, REFER TO CIVIL PLANS.
5. EXISTING FIRE HYDRANT.
6. EXISTING LIGHTING STANDARD.
7. EXISTING WELL.
8. EXISTING FIRE PIT.
9. EXISTING HVAC CONDENSER.
10. EXISTING STAIRS.
11. EXISTING PARKING SPACES.
12. EXISTING WATER TANKS.
13. EXISTING PROPANE TANK.
14. EXISTING PUMP HOUSE.
15. EXISTING DUMPSTER ENCLOSURE.
16. EXISTING POWER COMPANY TRANSFORMER.
17. EXISTING ELECTRIC SERVICE ENTRANCE SECTION.
18. NOT USED.
19. EXISTING SIGNAGE.
20. EXISTING SIDEWALK.
21. DETENTION BASIN OUTLET STRUCTURE, REFER TO CIVIL PLANS.
22. 30' SETBACK LINE.
23. 15' SIDE SETBACK LINE.
24. PROPOSED 20' FIRE LANE.
25. PROPOSED 4" THICK CONCRETE SLAB OVER 4" A.B.C., PATIO AREA.
26. PROPOSED BLOCK SEATING WALL. REFER TO DETAIL D2, SHEET A12.0
27. NOT USED.
28. PROPOSED ADA PARKING SPACE, TYPICAL.
29. PROPOSED STANDARD PARKING SPACE, TYPICAL.
30. PROPOSED LIGHTING STANDARD.
31. PROPOSED 4" THICK CONCRETE SIDEWALK W/ #3 @ 3'-0" O.C. EACH WAY OVER 4" A.B.C. PROVIDE 1'-0" TURNDOWN.
32. PROPOSED ASPHALTIC PAVEMENT.
33. NOT USED.
34. EXISTING FLAGPOLE, TYPICAL OF THREE.
35. EXISTING CONCRETE SLAB.
36. THE MAXIMUM SLOPE OF THE A.D.A. ACCESSIBLE PARKING AREA SHALL NOT EXCEED 2% AND THE SLOPE OF THE DOORWAY LANDING AND ACCESSIBLE ROUTE TO PUBLIC ACCESS SHALL NOT EXCEED 2%. REFER TO CIVIL PLANS.
37. PROVIDE A.D.A. APPROVED SYMBOL OF ACCESSIBILITY PAVEMENT MARKING, TYPICAL. REFER TO DETAIL C3 SHEET A1.3.
38. PROVIDE PARKING SIGNAGE IN ACCORDANCE WITH A.D.A. REQUIREMENTS. REFER TO DETAIL D3 SHEET A1.3. (1)
39. PROVIDE 4" WIDE YELLOW PAINTED STRIPING AT UNLOADING AREA IN ACCORDANCE WITH A.D.A. REQUIREMENTS.
40. RELOCATED F.D.C.
41. PROVIDE CONCRETE VALLEY GUTTER, REFER TO CIVIL PLANS.
42. RELOCATED FIRE HYDRANT.
43. PROVIDE VERTICAL CURB, REFER TO CIVIL PLANS.
44. EXISTING PLANTER.
45. PROVIDE VERTICAL CURB AND GUTTER, REFER TO CIVIL PLANS.
46. REPAIR ASPHALT WHERE UTILITIES TRENCHING OCCURS, REFER TO CIVIL AND PLUMBING PLANS.
47. 'NO PARKING' AREA. TO BE NOTED AND STRIPED AS SUCH. (1)

Legend

- TYPICALLY INDICATES PROPOSED ASPHALT PARKING AREA
- TYPICALLY INDICATES PROPOSED LANDSCAPED AREA
- TYPICALLY INDICATES PROPOSED CONCRETE SIDEWALK
- TYPICALLY INDICATES DRAINAGE FLOW DIRECTION
- TYPICALLY INDICATES TRAFFIC DIRECTION

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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ARCHITECTURE & PLANNING

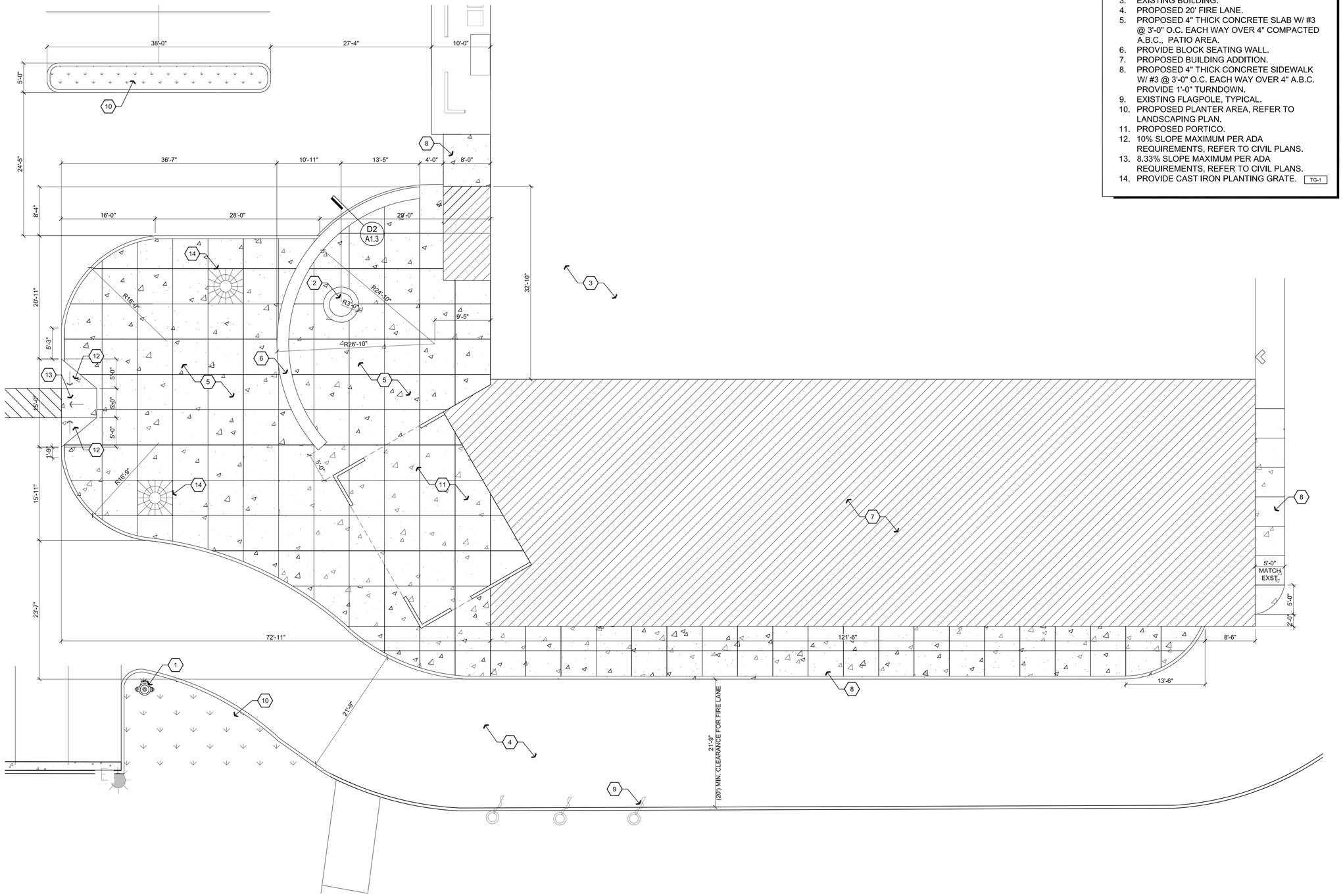
DRAWING: ARCHITECTURAL SITE PLAN

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: A1.1

Jul 21, 2017 - 9:28am



Descriptive Keynotes

1. RELOCATED FIRE HYDRANT.
2. FIRE PIT, PROVIDED BY OWNER.
3. EXISTING BUILDING.
4. PROPOSED 20' FIRE LANE.
5. PROPOSED 4" THICK CONCRETE SLAB W/ #3 @ 3'-0" O.C. EACH WAY OVER 4" COMPACTED A.B.C., PATIO AREA.
6. PROVIDE BLOCK SEATING WALL.
7. PROPOSED BUILDING ADDITION.
8. PROPOSED 4" THICK CONCRETE SIDEWALK W/ #3 @ 3'-0" O.C. EACH WAY OVER 4" A.B.C. PROVIDE 1'-0" TURNDOWN.
9. EXISTING FLAGPOLE, TYPICAL.
10. PROPOSED PLANTER AREA, REFER TO LANDSCAPING PLAN.
11. PROPOSED PORTICO.
12. 10% SLOPE MAXIMUM PER ADA REQUIREMENTS, REFER TO CIVIL PLANS.
13. 8.33% SLOPE MAXIMUM PER ADA REQUIREMENTS, REFER TO CIVIL PLANS.
14. PROVIDE CAST IRON PLANTING GRATE. TG-1

A1 Enlarged Dimension Architectural Site Plan

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

Plan North

Jun 02, 2017 - 12:36pm

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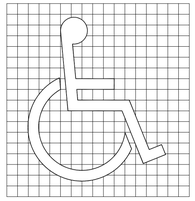
DRAWING: ENLARGED SITE PLAN

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

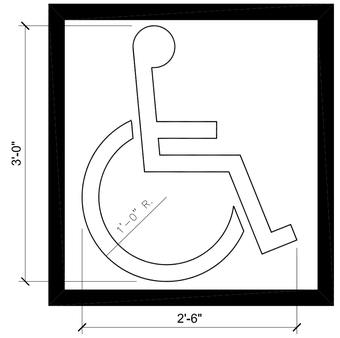
APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A1.2



PROPORTIONS

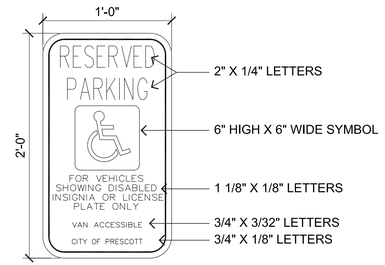
DISPLAY CONDITIONS

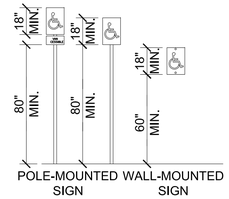


SYMBOL @ PARKING SPACE

C3 ADA Symbol of Accessibility

SCALE: N.T.S.

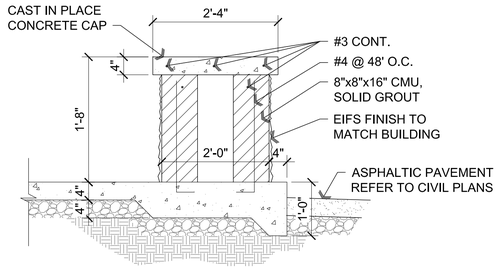




1. THE SIGN PLATE SHALL BE A MINIMUM OF 12"x24" WITH A THICKNESS OF .080 ALUMINUM CONSTRUCTION.
2. THE SIGN FACE SHALL HAVE A WHITE REFLECTIVE BACKGROUND WITH A BLUE LEGEND. (STANDARD 3M SCOTCHLITE SIGN FACE NUMBER R7-32 OR EQUIVALENT, WITH BLUE SCREEN PRINTED LETTER AS SHOWN ABOVE.)
3. ALL ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY A SIGN ON A CITY APPROVED STATIONARY POST OR WALL LOCATION. THESE SIGNS SHALL NOT BE OBSCURED.
4. ACCESSIBLE PARKING SPACES SHALL BE DESIGNATED AS RESERVED FOR PHYSICALLY DISABLED BY A SIGN SHOWING THE INTERNATIONAL WHEELCHAIR SYMBOL IN COLOR SCHEME ON CONTRASTING BACKGROUND.
5. THE SIGN SHALL HAVE THE MINIMUM VERBIAGE OF "RESERVED PARKING" AND INTERNATIONAL WHEELCHAIR SYMBOL.

D3 Accessible Parking Signage

SCALE: N.T.S.



D2 Patio Wall

SCALE: 3/4" = 1'-0"

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ARCHITECTURE & PLANNING

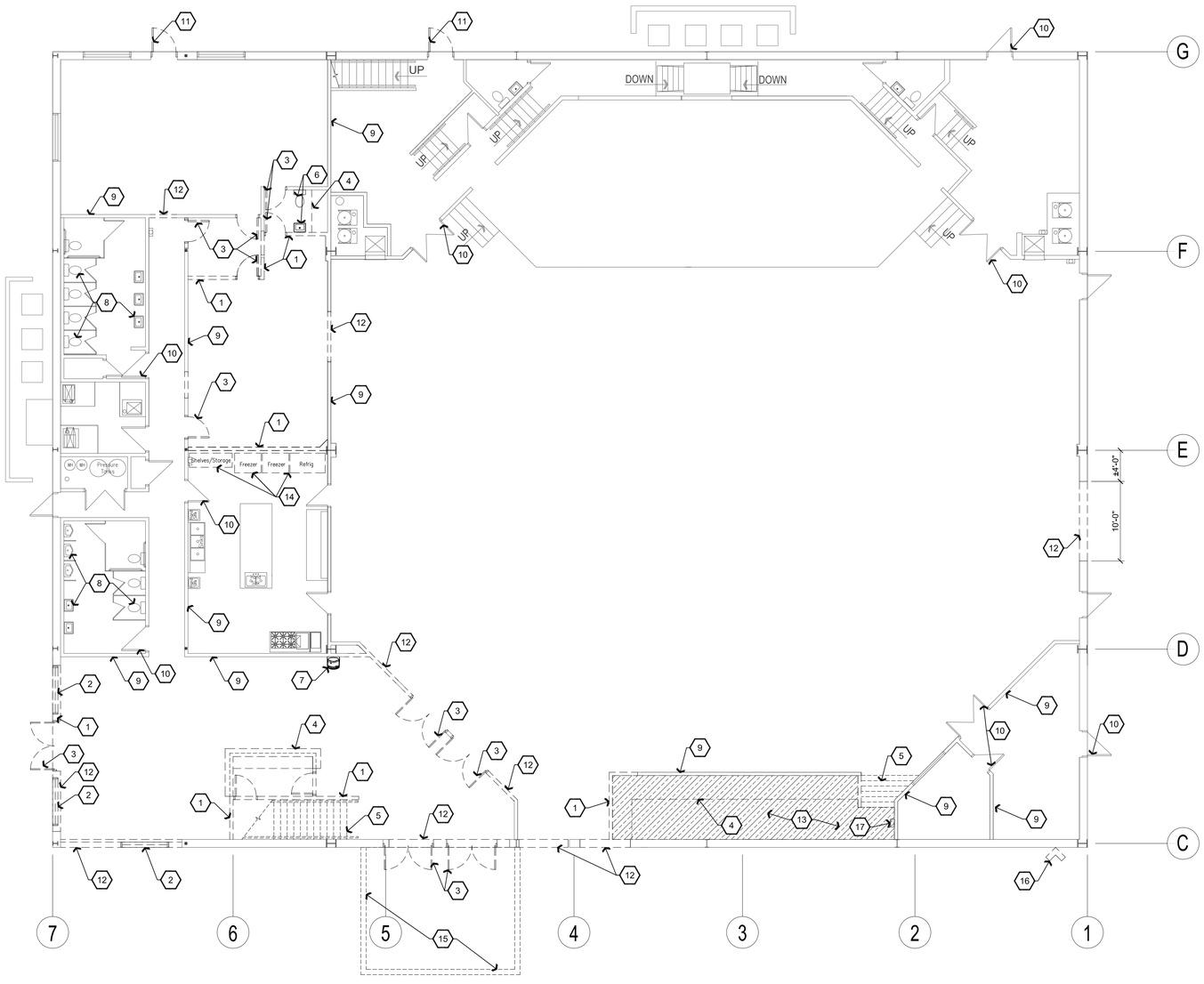
DRAWING: SITE DETAILS

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A1.3

Jun 02, 2017 - 12:41pm



Descriptive Keynotes

1. REMOVE EXISTING WALL, TYPICAL.
2. REMOVE EXISTING WINDOW, TYPICAL.
3. REMOVE EXISTING DOOR AND FRAME, TYPICAL.
4. REMOVE EXISTING MILLWORK.
5. REMOVE EXISTING STAIRS.
6. REMOVE EXISTING PLUMBING FIXTURES, TYPICAL, REFER TO PLUMBING PLANS.
7. REMOVE EXISTING DRINKING FOUNTAIN.
8. EXISTING PLUMBING FIXTURES TO REMAIN, TYPICAL.
9. EXISTING WALL TO REMAIN, TYPICAL.
10. EXISTING DOOR TO REMAIN, TYPICAL.
11. REMOVE EXISTING DOOR, EXISTING FRAME TO REMAIN.
12. REMOVE PORTION OF WALL FOR NEW DOOR / OPENING LOCATION, REFER TO REFERENCE FLOOR PLAN AND DIMENSION PLAN.
13. REMOVE EXISTING FLOOR / PLATFORM.
14. RELOCATE KITCHEN EQUIPMENT, REFER TO REFERENCE FLOOR PLAN.
15. REMOVE ENTIRE 20'x16' PORTICO.
16. REMOVE AND RELOCATE EXISTING FDC, REFER TO CIVIL PLANS & REFERENCE FLOOR PLAN AND AUTOMATIC FIRE SPRINKLER PLANS.
17. RELOCATE EXISTING FIRE EXTINGUISHER.

A1 First Floor Demolition Plan

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

Plan North

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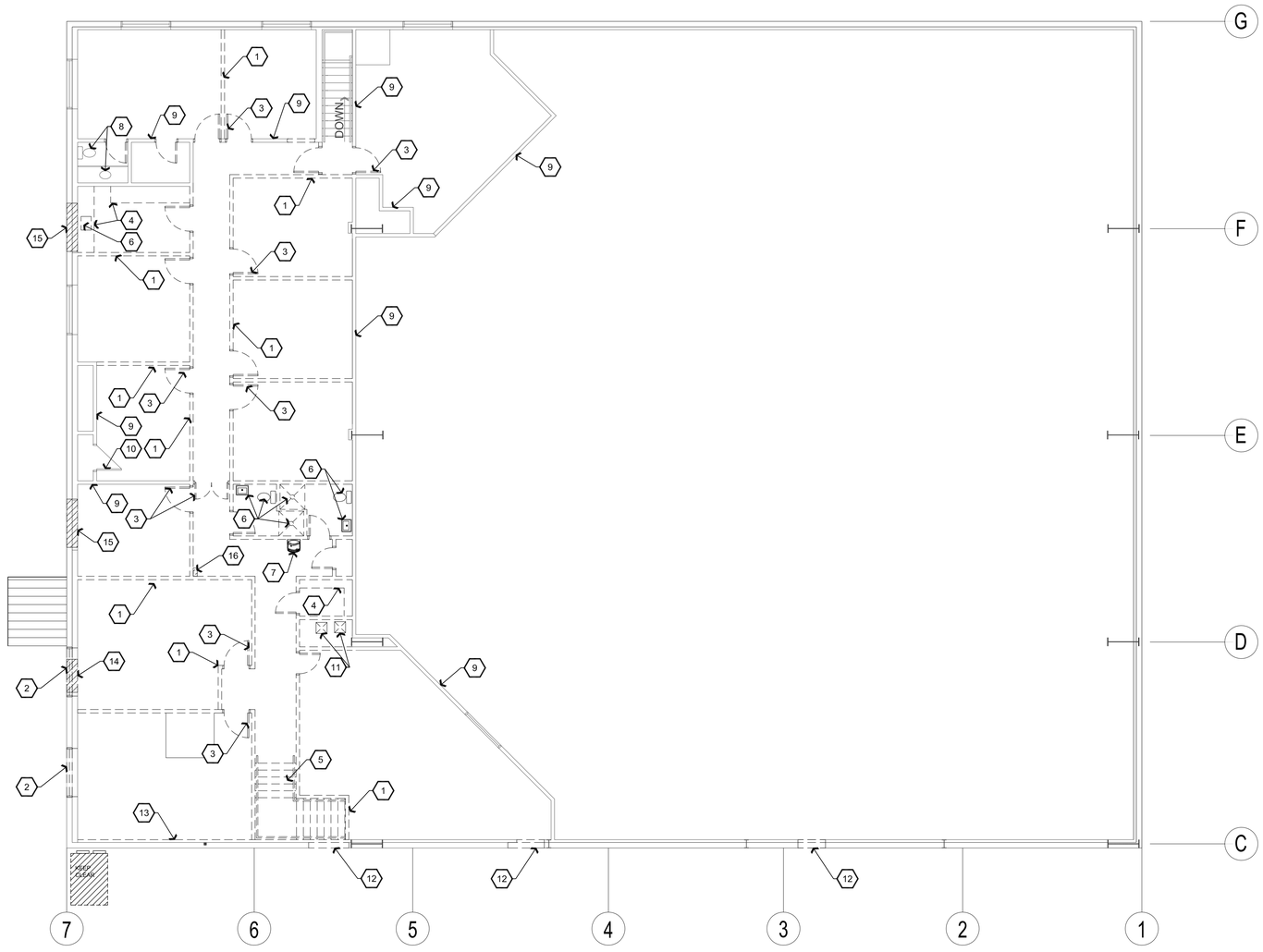
DRAWING: DEMOLITION PLAN - FIRST FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: **A2.0**

Jun 02, 2017 - 4:26pm



Descriptive Keynotes

1. REMOVE EXISTING WALL, TYPICAL.
2. REMOVE EXISTING WINDOW, TYPICAL.
3. REMOVE EXISTING DOOR AND FRAME, TYPICAL.
4. REMOVE EXISTING MILLWORK.
5. REMOVE EXISTING STAIRS.
6. REMOVE EXISTING PLUMBING FIXTURES, TYPICAL. CAP AND ABANDON EXISTING PIPING IN FLOOR BELOW, REMOVE ALL UNUSED PIPING.
7. REMOVE EXISTING DRINKING FOUNTAIN. CAP AND ABANDON EXISTING PIPING IN FLOOR BELOW, REMOVE ALL UNUSED PIPING.
8. EXISTING PLUMBING FIXTURES TO REMAIN.
9. EXISTING WALL TO REMAIN, TYPICAL.
10. EXISTING DOOR TO REMAIN.
11. RELOCATE EXHAUST HOOD AND RETURN AIR DUCT, REFER TO MECHANICAL PLANS.
12. REMOVE PORTION OF WALL FOR NEW DOOR LOCATION, REFER TO REFERENCE FLOOR PLAN AND DIMENSION PLAN.
13. REMOVE EXISTING FURRED OUT WALL.
14. REMOVE PORTION OF EXISTING WALL FOR NEW ELEVATOR DOOR, REFER TO REFERENCE FLOOR PLAN AND DIMENSION PLAN.
15. REMOVE PORTION OF WALL FOR NEW WINDOW LOCATION, REFER TO REFERENCE FLOOR PLAN AND DIMENSION PLAN.
16. RELOCATE EXISTING FIRE EXTINGUISHER.

A1 Second Floor Demolition Plan

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

Plan North

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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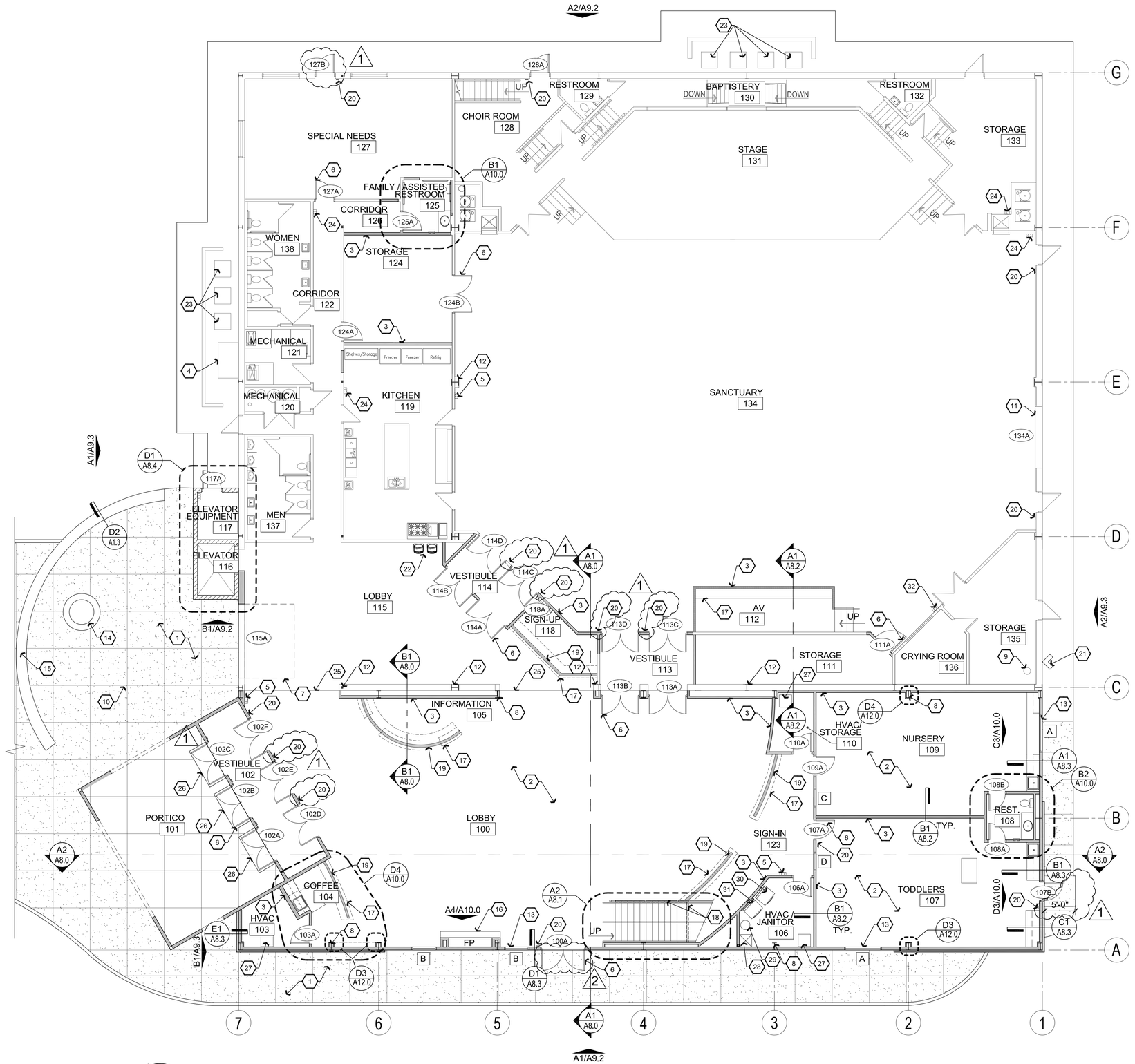
DRAWING: DEMOLITION PLAN - SECOND FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A2.1

Jul 21, 2017 - 9:28am



Descriptive Keynotes

1. PROVIDE CONCRETE SIDEWALK / SLAB OVER COMPACTED A.B.C., REFER TO SITE PLAN AND CIVIL PLANS.
2. PROVIDE CONCRETE SLAB OVER COMPACTED A.B.C. SAWCUT SLAB AS INDICATED ON STRUCTURAL PLANS.
3. PROVIDE INTERIOR WALL, TYPICAL, REFER TO WALL TYPES PLAN FOR TYPE OF CONSTRUCTION.
4. EXISTING ELECTRICAL SERVICE ENTRANCE SECTION, REFER TO ELECTRICAL PLANS.
5. PROVIDE TYPE 2A10BC FIRE EXTINGUISHER IN SURFACE MOUNTED WALL CABINET.
6. PROVIDE DOOR, REFER TO DOOR SCHEDULE, TYPICAL.
7. PROVIDE OVERHEAD DOOR, REFER TO DOOR SCHEDULE.
8. PROVIDE STEEL COLUMN. REFER TO STRUCTURAL PLANS, TYPICAL.
9. EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM RISER TO BE RE-FED, REFER TO FIRE SPRINKLER PLANS AND CIVIL PLANS.
10. TYPICALLY INDICATES TOOLED CONCRETE CONTROL JOINT.
11. PROVIDE SECTIONAL, VERTICAL LIFT DOOR, REFER TO DOOR SCHEDULE.
12. EXISTING COLUMN, TYPICAL.
13. PROVIDE WINDOW, TYPICAL, REFER TO WINDOW TYPES.
14. FIRE PIT, BY OWNER
15. PROVIDE BLOCK SEATING WALL. REFER TO ARCHITECTURAL SITE PLAN. CMU-1
16. PROVIDE FIREPLACE, REFER TO MATERIALS SCHEDULE. FP-1
17. COUNTERTOP BY OWNER. PL-1
18. PONY WALL TO EXTEND TO UNDERSIDE OF STAIRS, REFER TO WALL TYPES PLAN.
19. PONY WALL BY GENERAL CONTRACTOR TO ACCOMMODATE 3'-0" TALL COUNTERTOP BY OWNER.
20. PROVIDE A 6"x9" BLUE TACTILE 'EXIT' SIGN AS MANUFACTURED BY 'SIMPLY EXIT SIGNS (#SE-1980)' OR EQUAL COMPLYING WITH ICCA117.1 AND IBC 1011.3 ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. TYPICAL. SIGN SHALL BE MOUNTED 60" A.F.F. TO THE BOTTOM OF THE HIGHEST LINE OF TACTILE CHARACTERS.
21. RELOCATED F.D.C.
22. PROVIDE DRINKING FOUNTAINS, REFER TO PLUMBING PLANS.
23. EXISTING HVAC CONDENSER.
24. EXISTING FIRE EXTINGUISHER.
25. EDGE OF EXISTING CONCRETE.
26. PROVIDE ADA COMPLIANT RECESSED FLOOR GRATE, REFER TO MATERIALS SCHEDULE. FG-1
27. HVAC UNIT, REFER TO MECHANICAL PLANS.
28. JANITOR'S SINK, REFER TO PLUMBING PLANS.
29. WATER HEATER, REFER TO PLUMBING PLANS.
30. PROPANE GAS FIRED DRYER, BY OWNER.
31. WASHING MACHINE, BY OWNER.
32. RELOCATED FIRE EXTINGUISHER.

A1 First Floor Reference Plan

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

Plan North

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO
2 TOWN OF PV COMMENTS 08-03-2017	LO

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ARCHITECTURE & PLANNING

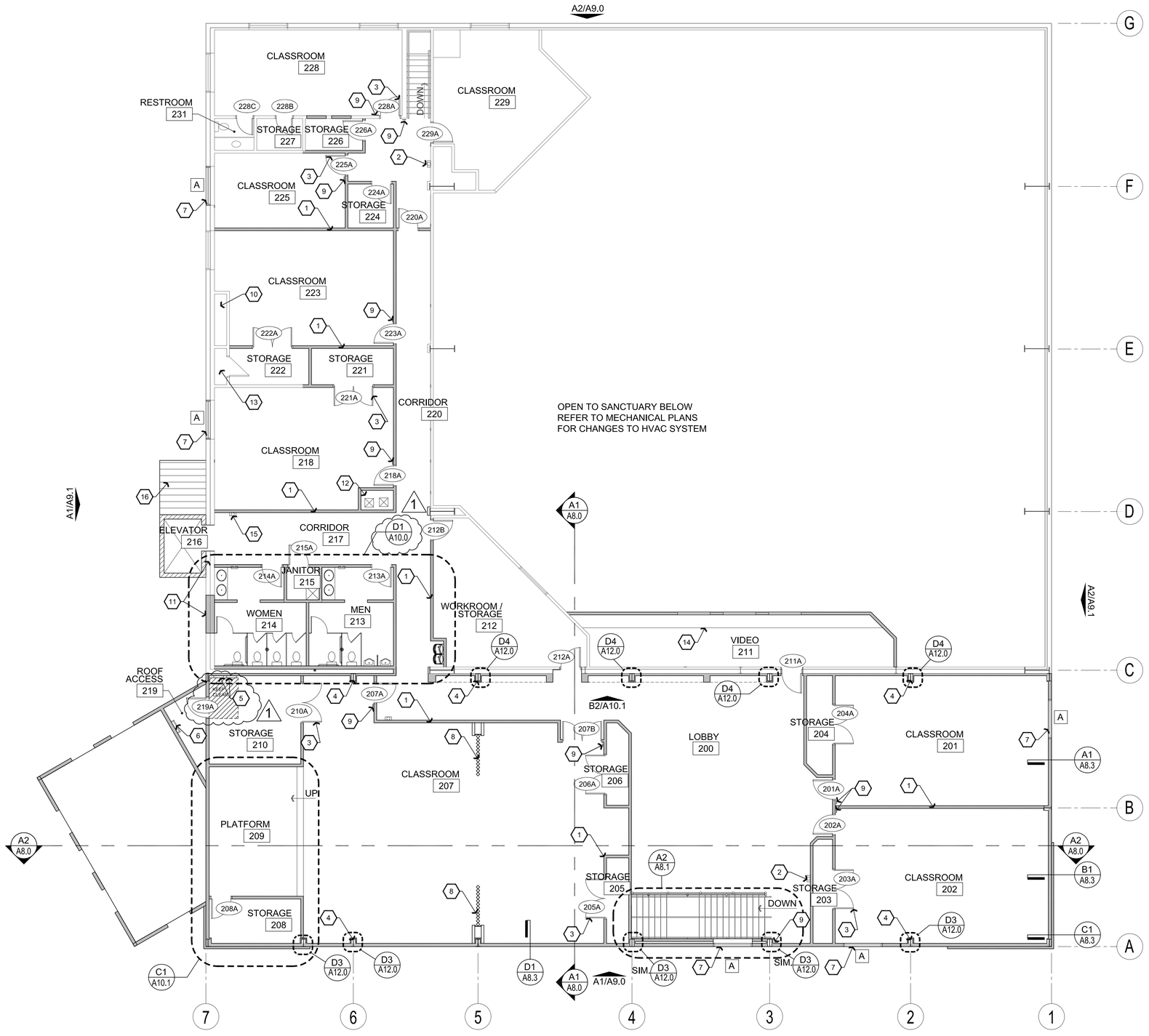
DRAWING: REFERENCE FLOOR PLAN - FIRST FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A3.0

Aug 08, 2017 - 3:28pm



Descriptive Keynotes

1. PROVIDE INTERIOR WALL, TYPICAL, REFER TO WALL TYPES PLAN FOR TYPE OF CONSTRUCTION.
2. PROVIDE TYPE 2A10BC FIRE EXTINGUISHER IN SURFACE MOUNTED WALL CABINET.
3. PROVIDE DOOR, REFER TO DOOR SCHEDULE, TYPICAL.
4. PROVIDE STEEL COLUMN. REFER TO STRUCTURAL PLANS, TYPICAL.
5. PROVIDE ELECTRICAL PANEL. REFER TO ELECTRICAL PLANS.
6. ROOF ACCESS LADDER CONSTRUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS.
7. PROVIDE WINDOW, TYPICAL, REFER TO WINDOW TYPES.
8. PROVIDE ACCORDION PARTITION, REFER TO MATERIALS SCHEDULE. AP-1
9. PROVIDE A 6"x9" BLUE TACTILE 'EXIT' SIGN AS MANUFACTURED BY 'SIMPLY EXIT SIGNS (#SE-1980)' OR EQUAL COMPLYING WITH ICCA117.1 AND IBC 1011.3 ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE, TYPICAL. SIGN SHALL BE MOUNTED 60" A.F.F. TO THE BOTTOM OF THE HIGHEST LINE OF TACTILE CHARACTERS. 1
10. EXISTING HVAC DUCT CHASE.
11. INFILL WALL WHERE WINDOW WAS REMOVED. PATCH AND REPAIR TO MATCH EXISTING AS REQUIRED.
12. RELOCATED DUCTWORK FROM KITCHEN EXHAUST HOOD BELOW.
13. EXISTING IT CLOSET.
14. COUNTERTOP BY OWNER. PL-1
15. RELOCATED FIRE EXTINGUISHER.
16. METAL ROOF BELOW, REFER TO ROOF PLAN.

A1 Second Floor Reference Plan

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

Plan North

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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ARCHITECTURE & PLANNING

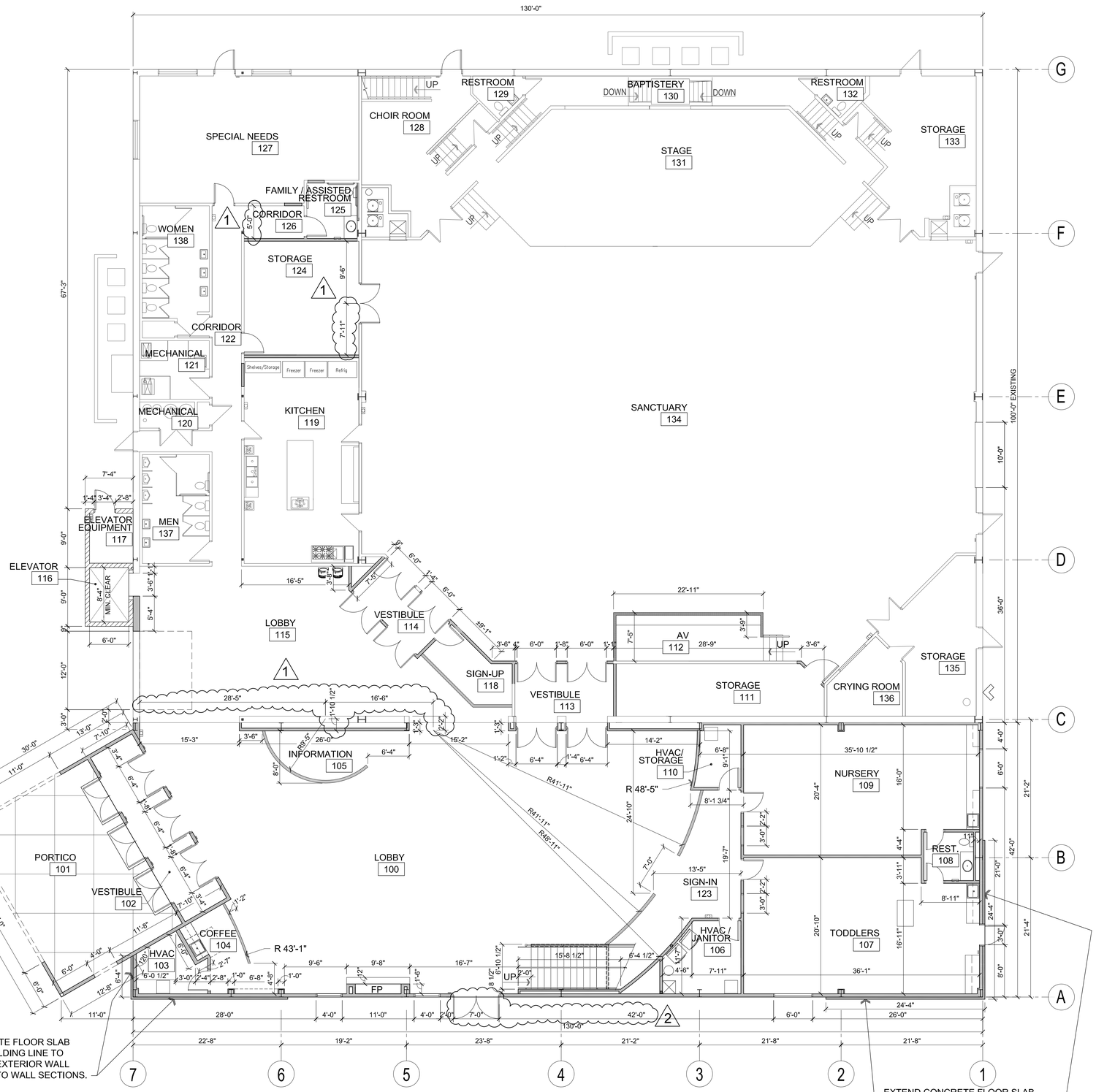
DRAWING: REFERENCE FLOOR PLAN - SECOND FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: A3.1

Jul 21, 2017 - 9:29am



A1 First Floor Dimension Plan

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

Plan North

	REVISIONS	BY
1	TOWN OF PV COMMENTS 07-13-2017	LO
2	TOWN OF PV COMMENTS 08-03-2017	LO

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DRAWING: DIMENSION FLOOR PLAN - FIRST FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
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SHEET	A4.0

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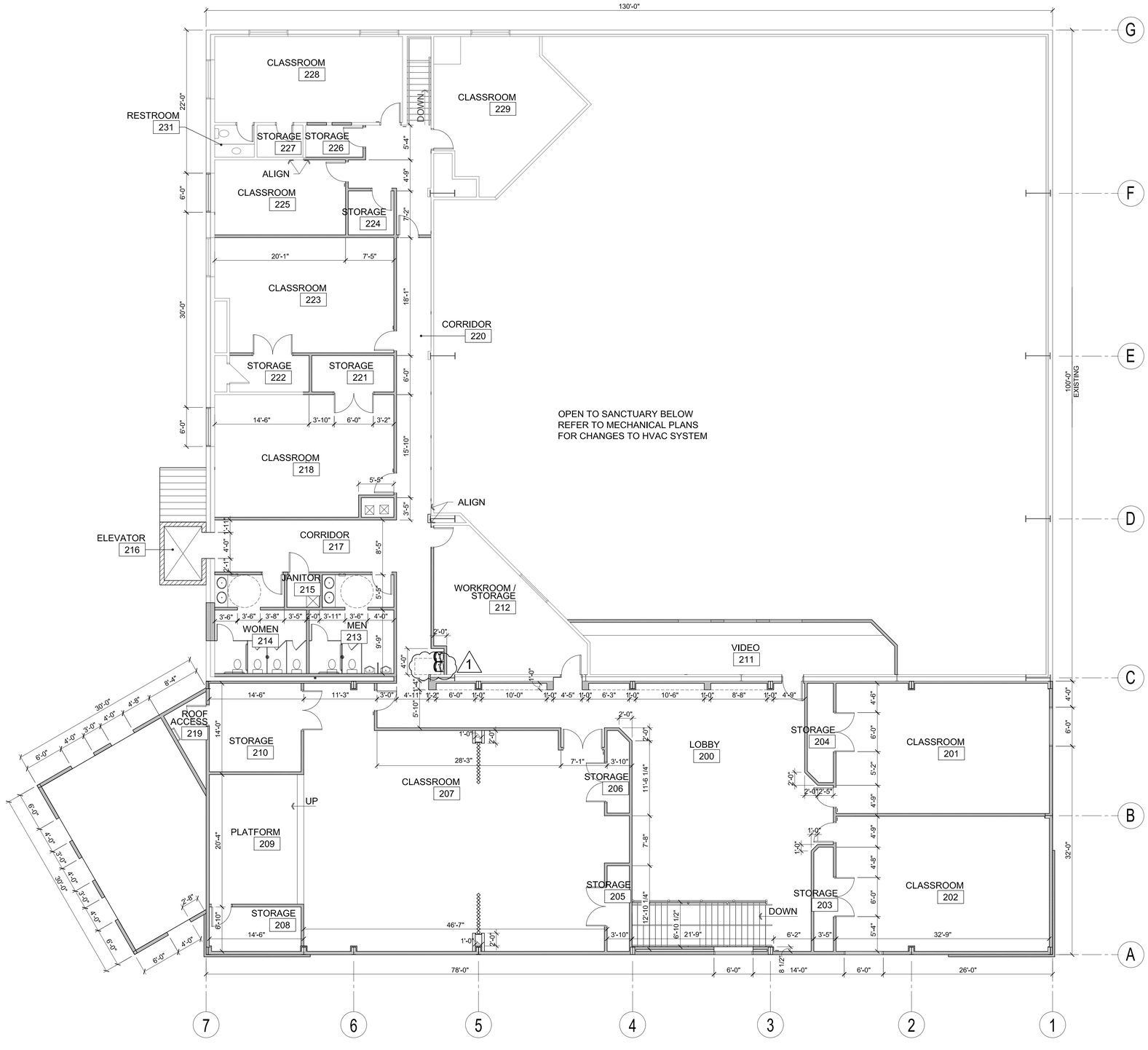

A1 Second Floor Dimension Plan

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

Plan North

Jul 24, 2017 - 8:28am

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DRAWING: DIMENSION FLOOR PLAN - SECOND FLOOR

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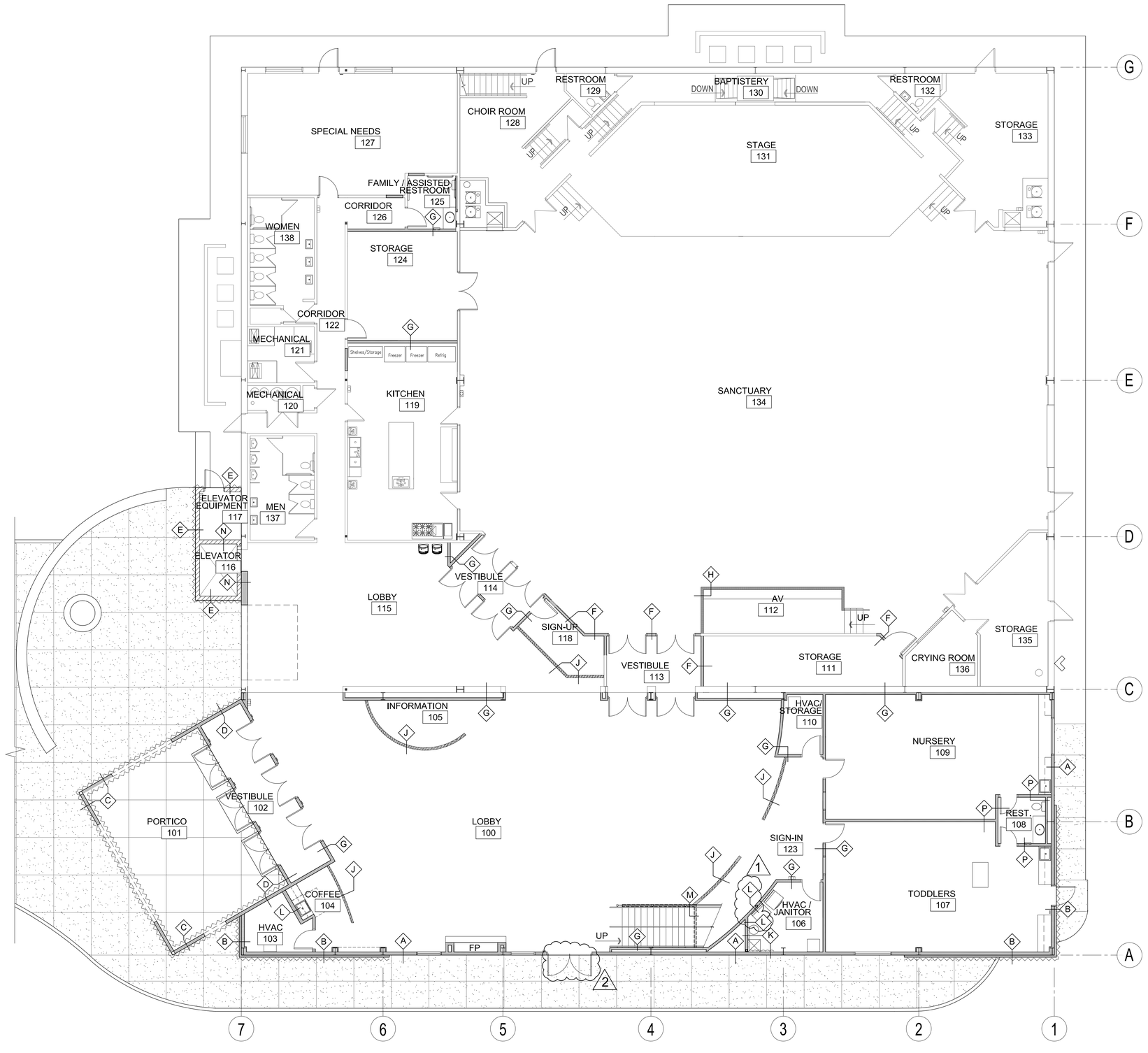

Wall Types Legend

- A — EXTERIOR METAL BUILDING WALL: PROVIDE EXTERIOR METAL BUILDING SIDING PBA PANELS, TO MATCH EXISTING, ON EXTERIOR SIDE OVER 1/2" SUB GIRTS @ MAXIMUM 4'-0" O.C. OVER 6",18 GAUGE METAL STUDS AT 2'-0" O.C. REFER TO STRUCTURAL PLANS. PROVIDE R-19 UNFACED BATT INSULATION.
- B — EXTERIOR WALL: PROVIDE EIFS FINISH SYSTEM OVER 1 1/2" RIGID FOAM OVER 3-5/8" 20 GAUGE METAL STUDS, OVER 6" 18 GAUGE METAL STUDS @ 2'-0" O.C. WITH R-19 UNFACED BATT INSULATION, REFER TO STRUCTURAL PLANS AND MATERIALS SCHEDULE.
- C — EXTERIOR WALL: PROVIDE EIFS FINISH SYSTEM OVER 1 1/2" RIGID FOAM OVER 6" 18 GAUGE METAL STUDS @ 2'-0" O.C. PROVIDE EIFS FINISH SYSTEM OVER 1 1/2" RIGID FOAM ON INTERIOR OF PORTICO AS WELL, REFER TO STRUCTURAL PLANS AND MATERIALS SCHEDULE.
- D — EXTERIOR WALL: PROVIDE EIFS FINISH SYSTEM OVER 1 1/2" RIGID FOAM OVER 6" 18 GAUGE METAL STUDS @ 2'-0" O.C. WITH R-19 UNFACED BATT INSULATION WITH 5/8" GPDW ON INTERIOR SIDE, REFER TO STRUCTURAL PLANS AND MATERIALS SCHEDULE.
- E — EXTERIOR CMU WALL: 8"x8"x16" SOLID GROUT SMOOTH CMU WALL. PROVIDE EIFS FINISH OVER 1 1/2" RIGID FOAM ON EXTERIOR SIDE. REFER TO STRUCTURAL PLANS AND MATERIALS SCHEDULE.
- F — INTERIOR PARTITION WALL CONSTRUCTION: 5/8" GPDW ON EACH SIDE OF 2x4 WOOD STUDS @ 1'-4" O.C.
- G — INTERIOR PARTITION WALL CONSTRUCTION: 5/8" GPDW ON EXPOSED SIDES OF 3-5/8" 25 GAUGE METAL STUDS AT 2'-0" O.C. WALL SHALL EXTEND TO FLOOR STRUCTURE ABOVE.
- H — INTERIOR PONY WALL CONSTRUCTION: 5/8" GPDW ON EACH SIDE OF 5'-3" TALL 2x4 WOOD STUDS, REFER TO STRUCTURAL PLANS.
- J — INTERIOR PONY WALL CONSTRUCTION: 5/8" GPDW ON EACH SIDE OF ±34" TALL 3-5/8" 25 GAUGE METAL STUDS AT MAXIMUM 1'-4" O.C., TOP OF COUNTER HEIGHT NOT TO EXCEED 3'-0".
- K — INTERIOR WET WALL: 48" HIGH FRP
- L — INTERIOR PARTITION WALL CONSTRUCTION: (PLUMBING WALL) 5/8" GPDW ON EACH SIDE OF 6" 25 GAUGE METAL STUDS AT 2'-0" O.C. WALL SHALL EXTEND TO FLOOR STRUCTURE ABOVE.
- M — INTERIOR PONY WALL CONSTRUCTION: 5/8" GPDW ON EXPOSED SIDE OF 2x4 WOOD STUDS, HEIGHT VARIES WITH STAIRS.
- N — CMU WALL: 8x8x16 SOLID GROUT SMOOTH CMU WALL.
- P — INTERIOR PARTITION WALL CONSTRUCTION: 5/8" GPDW ON EXPOSED SIDES OF 3-5/8" 25 GAUGE METAL STUDS AT 2'-0" O.C. WALL SHALL EXTEND MINIMUM 6" ABOVE CEILING.

EXISTING WALL

A1 **First Floor Wall Types Plan**

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

Plan North

Aug 08, 2017 - 3:29pm

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO
2 TOWN OF PV COMMENTS 08-03-2017	LO

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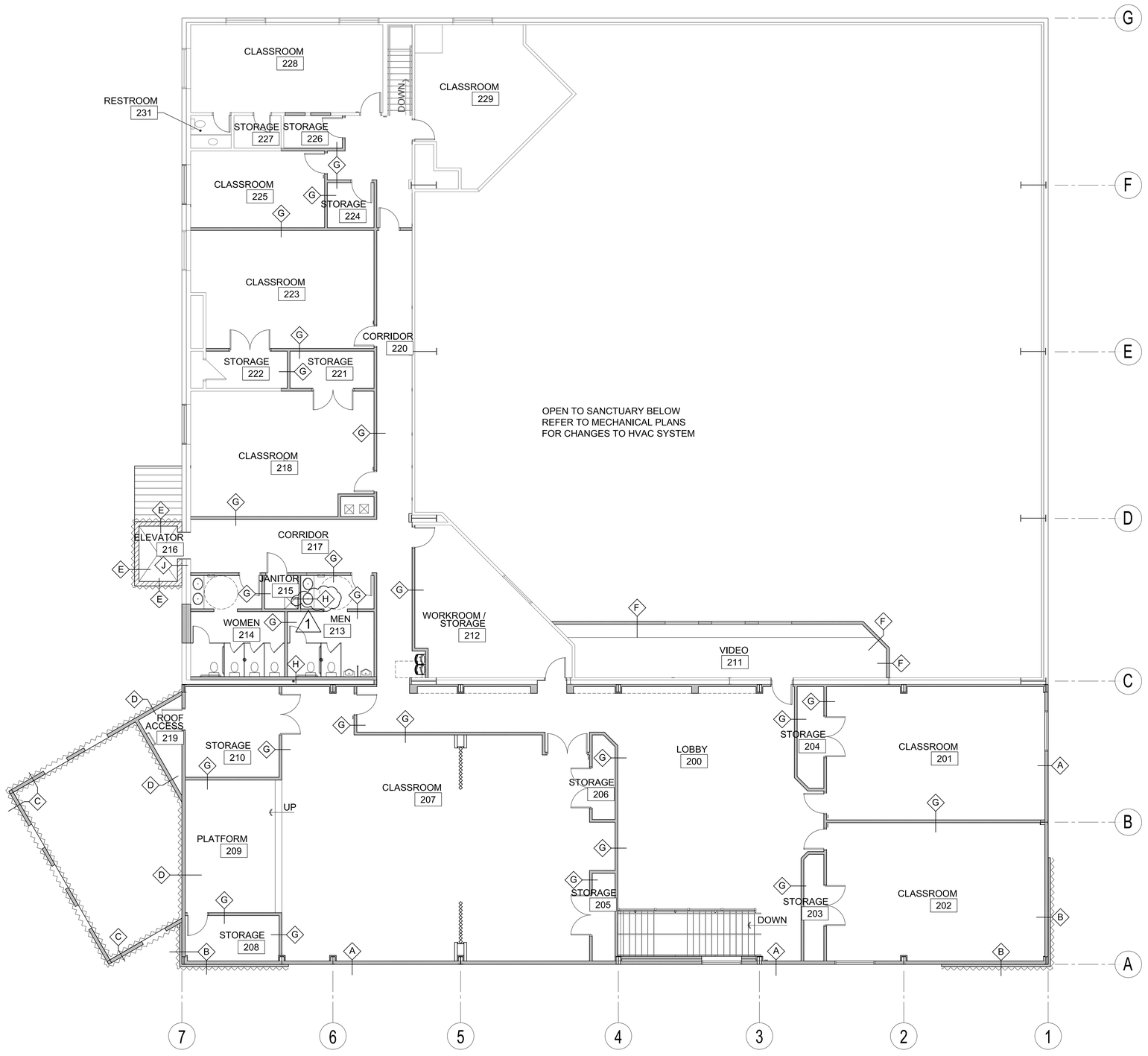
ARCHITECTURE & PLANNING

DRAWING: WALL TYPES PLAN - FIRST FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: **A5.0**



Second Floor Wall Types Plan

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

Plan North

Wall Types Legend

- A — EXTERIOR METAL BUILDING WALL: PROVIDE EXTERIOR METAL BUILDING SIDING PBA PANELS, TO MATCH EXISTING, ON EXTERIOR SIDE OVER 1/2" SUB GIRTS @ MAXIMUM 4'-0" O.C. OVER 6",18 GAUGE METAL STUDS AT 2'-0" O.C. REFER TO STRUCTURAL PLANS. PROVIDE R-19 UNFACED BATT INSULATION.
- B — EXTERIOR WALL: PROVIDE EIFS FINISH SYSTEM OVER 1 1/2" RIGID FOAM OVER 3-5/8" 20 GAUGE METAL STUDS, OVER 6" 18 GAUGE METAL STUDS @ 2'-0" O.C. WITH R-19 UNFACED BATT INSULATION, REFER TO STRUCTURAL PLANS AND MATERIALS SCHEDULE.
- C — EXTERIOR WALL: PROVIDE EIFS FINISH SYSTEM OVER 1 1/2" RIGID FOAM OVER 6" 18 GAUGE METAL STUDS @ 2'-0" O.C. PROVIDE EIFS FINISH SYSTEM OVER 1 1/2" RIGID FOAM ON INTERIOR OF PORTICO AS WELL, REFER TO STRUCTURAL PLANS AND MATERIALS SCHEDULE.
- D — EXTERIOR WALL: PROVIDE EIFS FINISH SYSTEM OVER 1 1/2" RIGID FOAM OVER 6" 18 GAUGE METAL STUDS @ 2'-0" O.C. WITH R-19 UNFACED BATT INSULATION WITH 5/8" GPDW ON INTERIOR SIDE, REFER TO STRUCTURAL PLANS AND MATERIALS SCHEDULE.
- E — EXTERIOR CMU WALL: 8"x8"x16" SOLID GROUT SMOOTH CMU WALL. PROVIDE EIFS FINISH OVER 1 1/2" RIGID FOAM ON EXTERIOR SIDE. REFER TO STRUCTURAL PLANS AND MATERIALS SCHEDULE.
- F — INTERIOR PARTITION WALL CONSTRUCTION: 5/8" GPDW ON EACH SIDE OF 2x4 WOOD STUDS @ 2'-0" O.C.
- G — INTERIOR PARTITION WALL CONSTRUCTION: 5/8" GPDW ON EXPOSED SIDES OF 3-5/8" 25 GAUGE METAL STUDS AT 2'-0" O.C. WALL SHALL EXTEND MINIMUM 6" ABOVE CEILING.
- H — INTERIOR PARTITION WALL CONSTRUCTION: (PLUMBING WALL) 5/8" GPDW ON EXPOSED SIDE OF 6" 25 GAUGE METAL STUDS AT 2'-0" O.C. PROVIDE 6" UNFACED BATT INSULATION. WALL SHALL EXTEND MINIMUM 6" ABOVE CEILING.
- J — CMU WALL: 8x8x16 SOLID GROUT SMOOTH CMU WALL, REFER TO STRUCTURAL PLANS.
- EXISTING WALL

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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DRAWING: WALL TYPES PLAN - SECOND FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

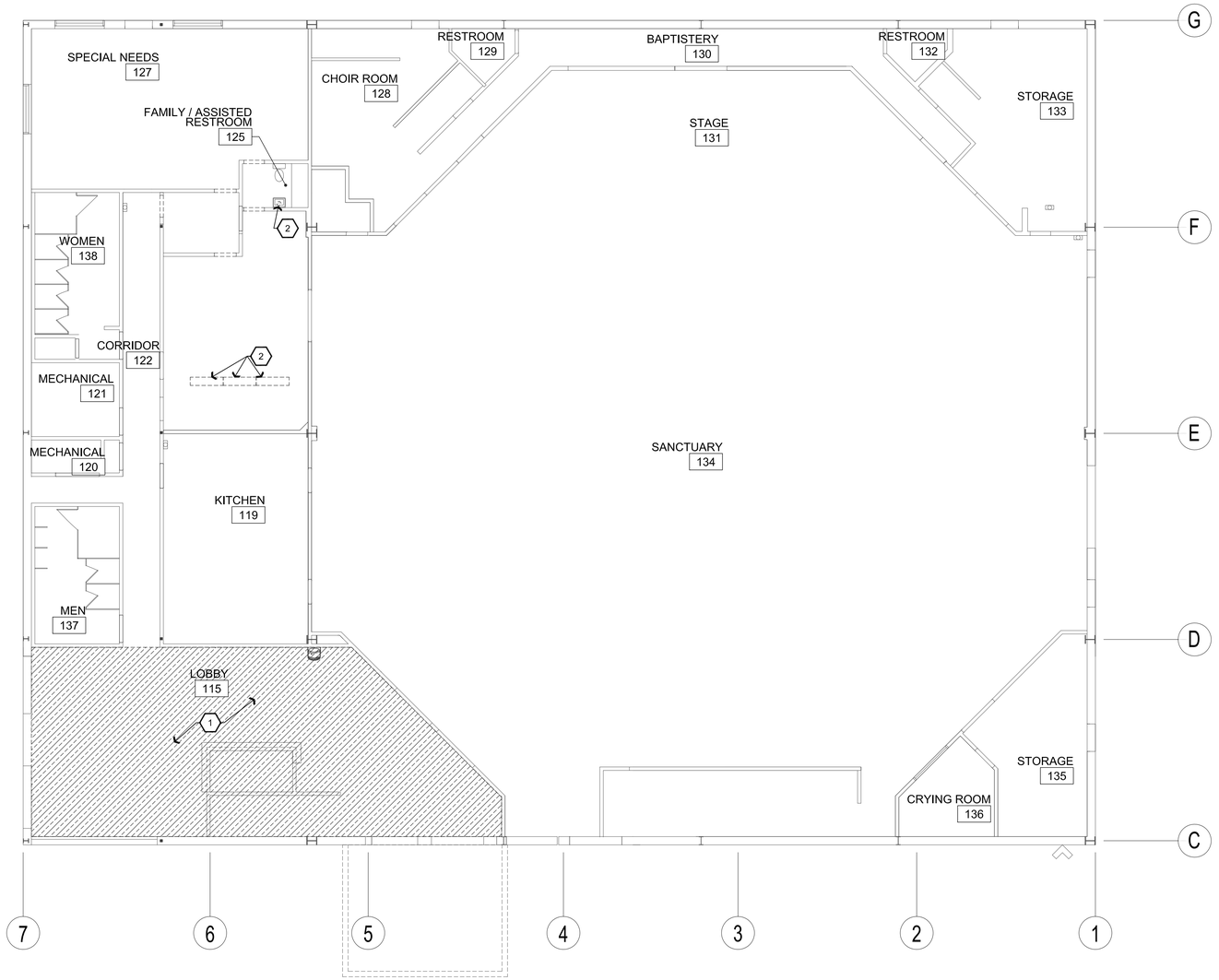
APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: **A5.1**

Jul 24, 2017 - 8:28am

Descriptive Keynotes

1. REMOVE EXISTING GPDW CEILING, LIGHT FIXTURES ETC. IN THIS AREA, REFER TO ELECTRICAL AND MECHANICAL PLANS.
2. REMOVE LIGHT FIXTURE, REFER TO ELECTRICAL PLANS.



A1 First Floor Demolition Reflected Ceiling Plan

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

Plan North

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ARIZONA, U.S.A.
EXPIRES: 6/30/18

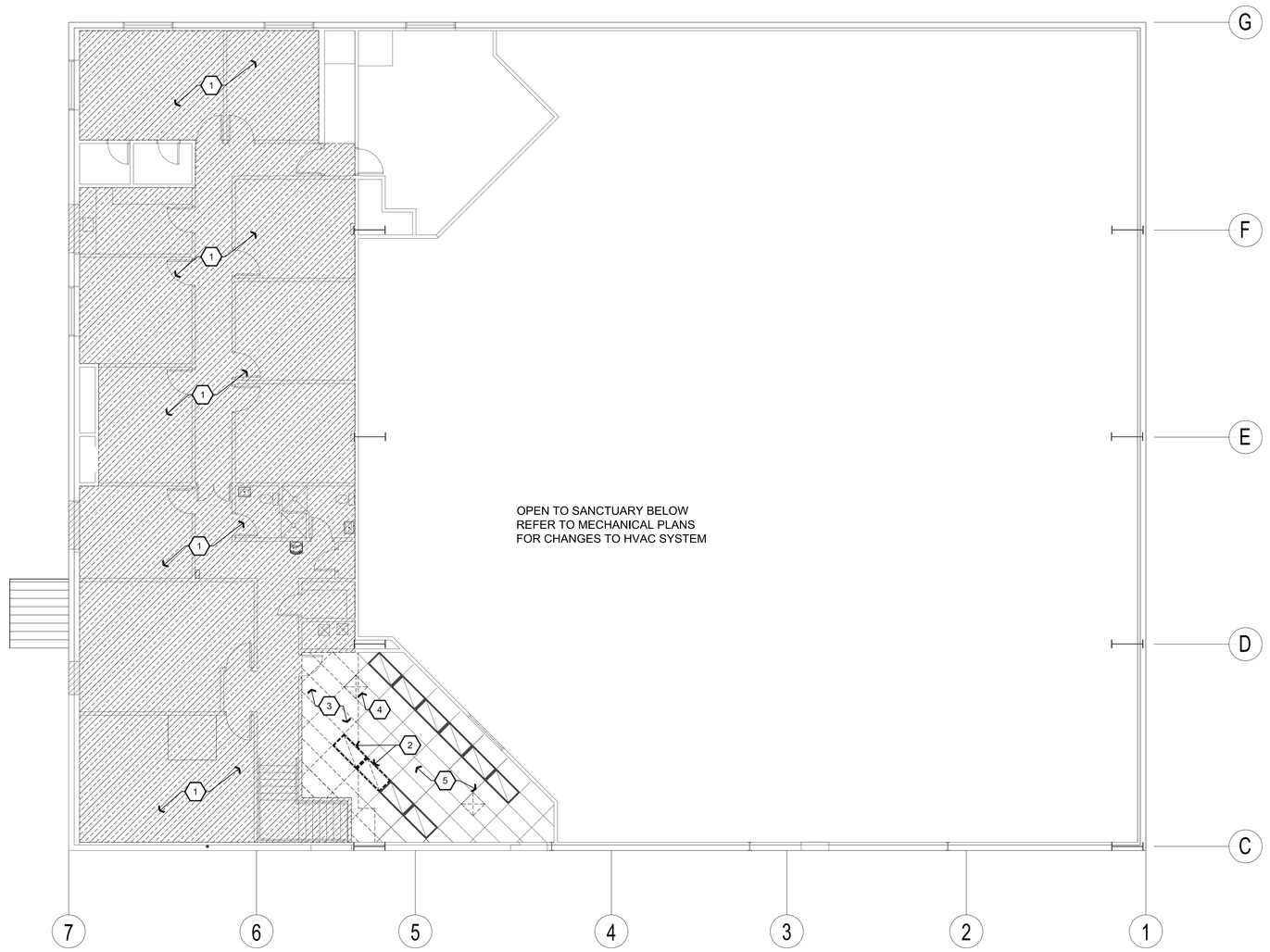
DRAWING: DEMOLITION REFLECTED CEILING PLAN FIRST FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A6.0

Jun 02, 2017 - 4:24pm



Descriptive Keynotes

1. REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING, LIGHT FIXTURES, HVAC DUCTWORK ETC. IN THIS AREA, REFER TO ELECTRICAL AND MECHANICAL PLANS.
2. REMOVE LIGHT FIXTURE, REFER TO ELECTRICAL PLANS.
3. REMOVE PORTION OF SUSPENDED ACOUSTICAL CEILING.
4. REMOVE / RELOCATE SUPPLY DIFFUSER, REFER TO MECHANICAL PLANS.
5. EXISTING SUSPENDED ACOUSTICAL CEILING, LIGHTING AND HVAC SUPPLY DIFFUSERS TO REMAIN IN THIS AREA. REFER TO REFERENCE FLOOR PLAN FOR NEW WALL LOCATION.

A1 **Second Floor Demolition Reflected Ceiling Plan**

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

Plan North

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ARCHITECTURE & PLANNING

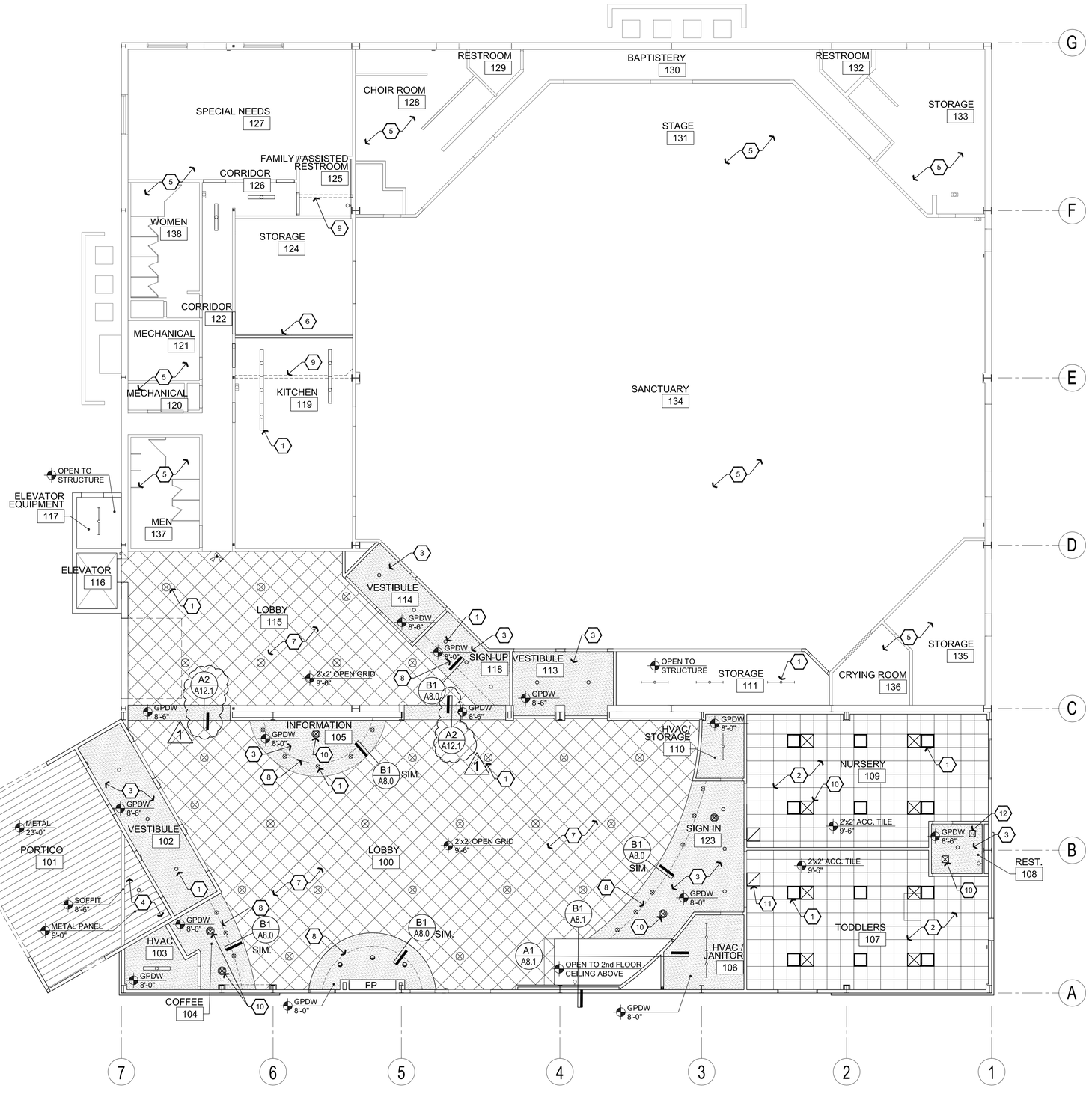
DRAWING: DEMOLITION REFLECTED CEILING PLAN
SECOND FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A6.1

Jun 02, 2017 - 12:50pm



A1 First Floor Reflected Ceiling Plan

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

Plan North

Descriptive Keynotes

1. LIGHT FIXTURES SHOWN FOR QUANTITY AND LOCATION ONLY. REFER TO ELECTRICAL PLANS.
2. PROVIDE SUSPENDED ACOUSTIC PANEL CEILING. ACT-1
3. PROVIDE 5/8" GPDW CEILING, TYPICAL.
4. METAL PANEL. REFER TO STRUCTURAL PLANS FOR CEILING STRUCTURE AND ELECTRICAL PLANS FOR CEILING LIGHT FIXTURE INFORMATION. M-5
5. EXISTING CEILING TO REMAIN. NO CHANGES.
6. REFER TO DEMOLITION REFLECTED CEILING PLAN FOR LIGHTING REMOVAL THIS AREA.
7. OPEN CEILING GRID SYSTEM. CGR-1
8. GRID SYSTEM TO EXTEND 2'-0" BEYOND DRYWALL CEILING BELOW.
9. REPAIR CEILING AS REQUIRED WHERE WALL HAS BEEN REMOVED.
10. TYPICALLY INDICATES HVAC SUPPLY DIFFUSER, REFER TO MECHANICAL PLANS.
11. TYPICALLY INDICATES HVAC RETURN AIR REGISTER, REFER TO MECHANICAL PLANS.
12. TYPICALLY INDICATES EXHAUST FAN, REFER TO MECHANICAL PLANS.

Legend:

- SUSPENDED 2'x2' ACOUSTIC PANEL CEILING ACT-1
- SUSPENDED OPEN GRID CEILING SYSTEM CGR-1
- GPDW CEILING
- METAL PANEL M-5
- SUPPLY DIFFUSER
- SUPPLY DIFFUSER
- RETURN AIR REGISTER
- EXHAUST FAN

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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DRAWING: REFLECTED CEILING PLAN - FIRST FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A6.2

Jul 21, 2017 - 9:30am

A1 Second Floor Reflected Ceiling Plan

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

Plan North

Descriptive Keynotes

1. LIGHT FIXTURES SHOWN FOR QUANTITY AND LOCATION ONLY. REFER TO ELECTRICAL PLANS.
2. PROVIDE SUSPENDED ACOUSTIC PANEL CEILING. ACT-1
3. PROVIDE 5/8" GPDW CEILING.
4. METAL PANEL. REFER TO STRUCTURAL PLANS FOR CEILING STRUCTURE AND ELECTRICAL PLANS FOR CEILING LIGHT FIXTURE INFORMATION. M-5
5. EXISTING CEILING TO REMAIN. NO CHANGES.
6. PORTION OF EXISTING CEILING TO REMAIN. REFER TO DEMOLITION REFLECTED CEILING PLAN.
7. TYPICALLY INDICATES HVAC SUPPLY DIFFUSER, REFER TO MECHANICAL PLANS.
8. TYPICALLY INDICATES HVAC RETURN AIR REGISTER, REFER TO MECHANICAL PLANS.
9. TYPICALLY INDICATES EXHAUST FAN, REFER TO MECHANICAL PLANS.
10. RELOCATED MAKE UP AIR AND EXHAUST DUCT WORK FOR KITCHEN HOOD. REFER TO MECHANICAL PLANS.
11. LIGHTING TRUSS BY OWNER.
12. PROVIDE ROOF ACCESS HATCH. H-1
13. NO CEILING REQUIRED IN THIS AREA. EXPOSED TO ROOF STRUCTURE ABOVE.

Legend:

- SUSPENDED 2'x2' ACOUSTIC PANEL CEILING ACT-1
- EXISTING SUSPENDED 2'x4' ACOUSTIC PANEL CEILING
- GPDW CEILING
- METAL PANEL M-5
- SUPPLY DIFFUSER
- SUPPLY DIFFUSER
- RETURN AIR REGISTER
- EXHAUST FAN

REVISIONS	BY

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DRAWING: REFLECTED CEILING PLAN - SECOND FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

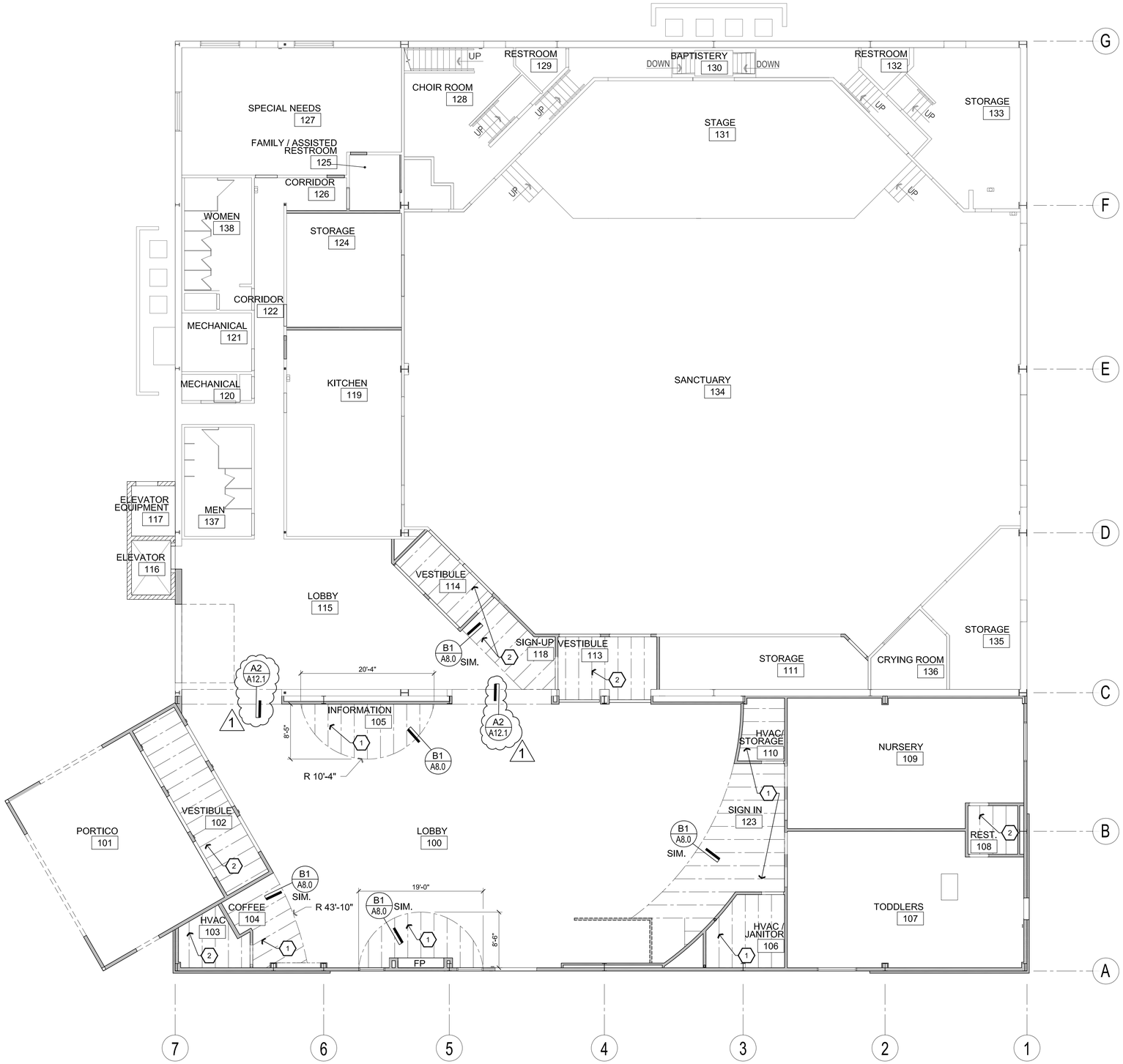
APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A6.3

Jun 02, 2017 - 12:51pm

Descriptive Keynotes

1. 6" 25 GAUGE METAL JOISTS @ 2'-0" O.C.
2. 3-5/8" 25 GAUGE METAL JOISTS @ 2'-0" O.C.



A1 First Floor Ceiling Framing Plan

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

Plan North

Jul 21, 2017 - 9:30am

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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DRAWING: CEILING FRAMING PLAN - FIRST FLOOR

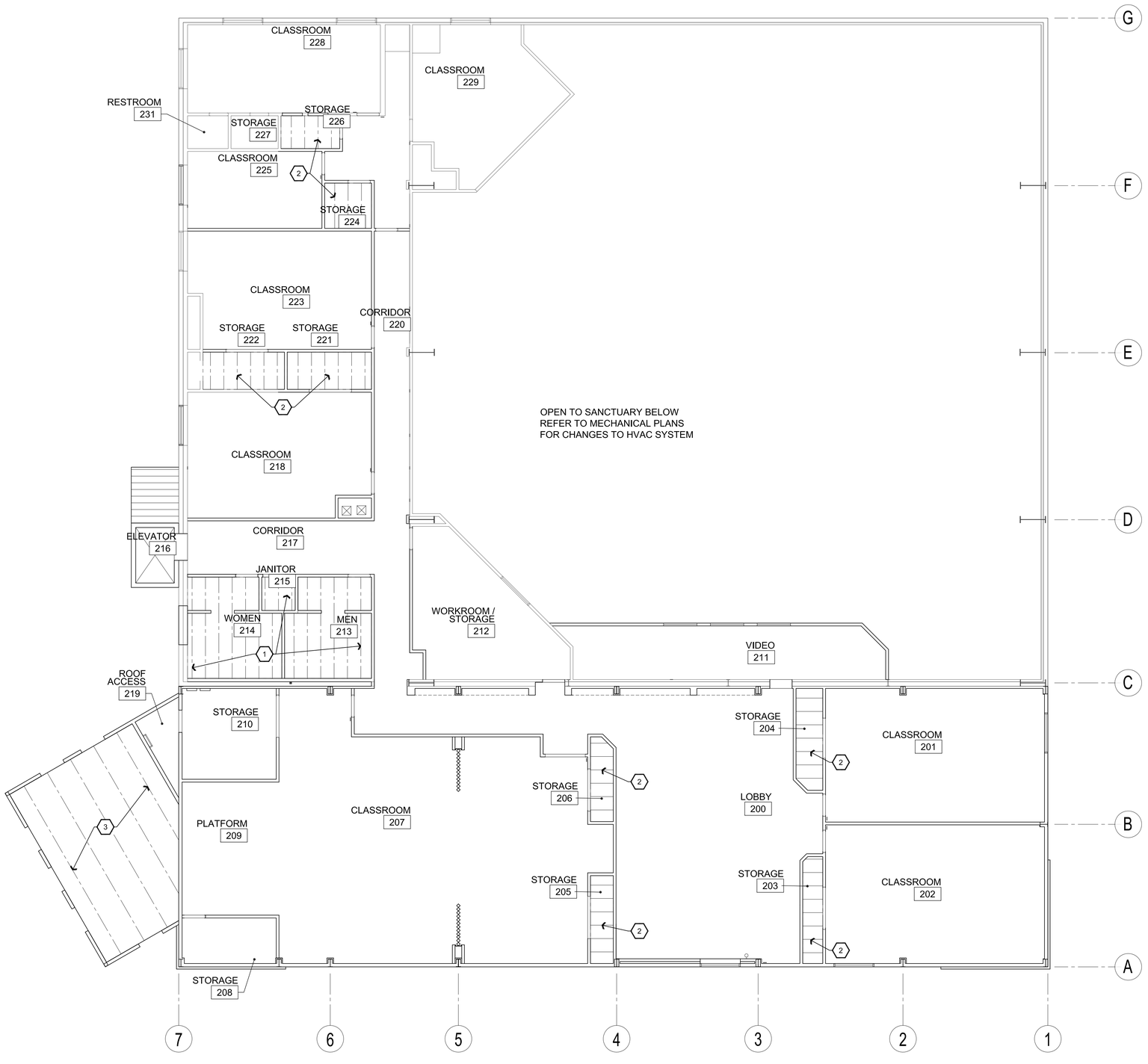
PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A6.4

Descriptive Keynotes

1. 6" 25 GAUGE METAL JOISTS @ 2'-0" O.C.
2. 3-5/8" 25 GAUGE METAL JOISTS @ 2'-0" O.C.
3. CEILING FRAMING, REFER TO STRUCTURAL PLANS.



A1 Second Floor Ceiling Framing Plan

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

Plan North

Jun 02, 2017 - 12:53pm

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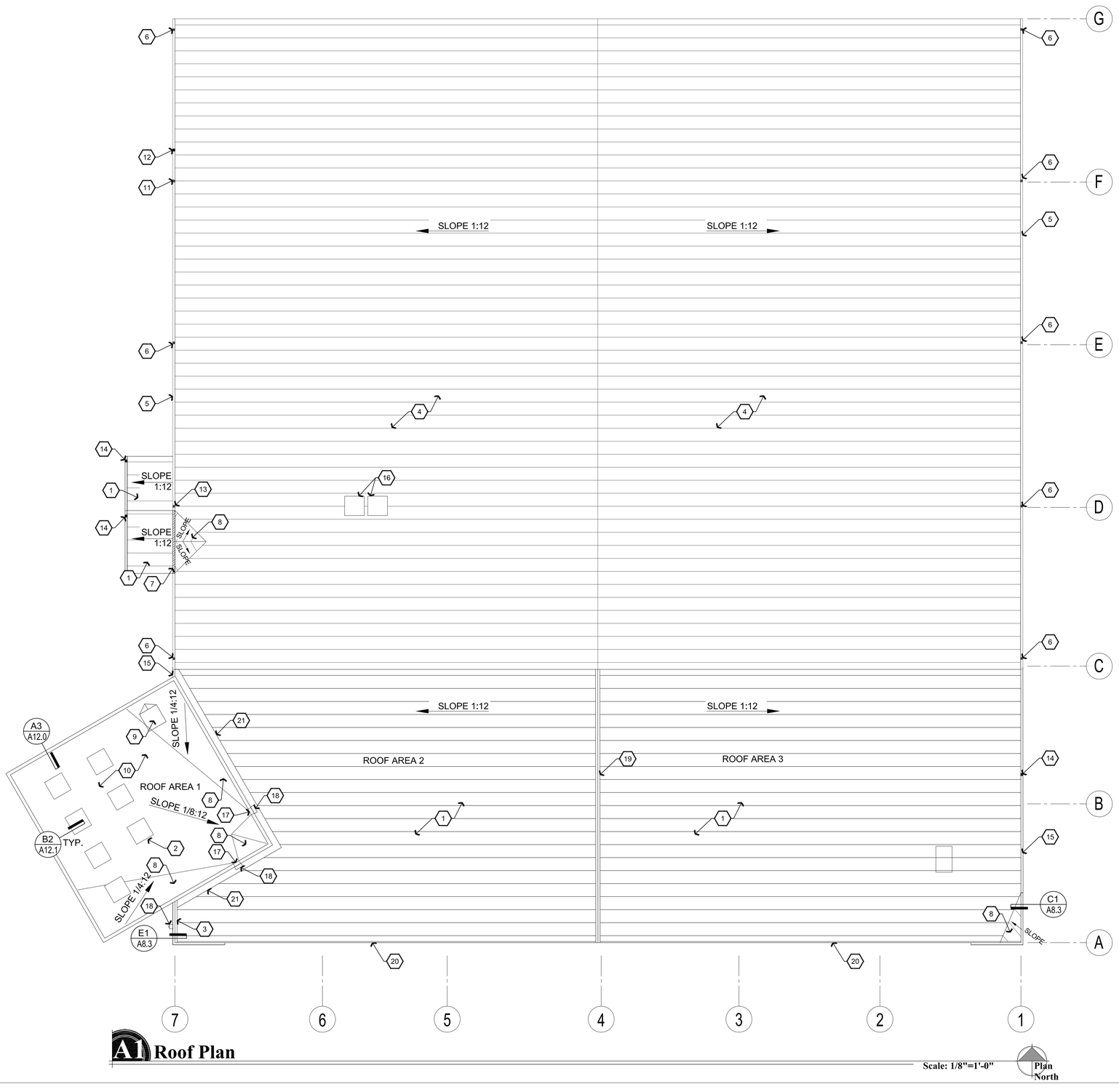
DRAWING: CEILING FRAMING PLAN - SECOND FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A6.5



A1 Roof Plan

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

Plan North

Descriptive Keynotes

1. PROVIDE PBR METAL ROOF TO MATCH EXISTING. M-1
2. CONDENSING UNIT, TYPICAL. REFER TO MECHANICAL PLANS.
3. PROVIDE CONCEALED 16 GAUGE GUTTER WITH WELDED JOINTS. M-4
4. EXISTING METAL ROOF.
5. EXISTING SHEET METAL GUTTER.
6. EXISTING SHEET METAL DOWNSPOUT.
7. REMOVE PORTION OF EXISTING GUTTER.
8. PROVIDE ROOF CRICKET.
9. PROVIDE 3'-0"x3'-0" ROOF ACCESS HATCH, REFER TO MATERIALS SCHEDULE. M-1
10. PROVIDE 3 PLY BITUMINOUS BUILT-UP ROOF (GRANULAR PLY OVER SMOOTH PLY OVER FIBERGLASS NAILABLE BASE PLY) OVER 7/16" OSB BOARD MECHANICALLY ATTACHED TO MINIMUM 3" TAPERED INSULATION BOARD OVER METAL DECKING. REFER TO DETAIL A4/A12.0.
11. RELOCATE EXISTING DOWNSPOUT DUE TO NEW WINDOW LOCATION.
12. NEW LOCATION OF RELOCATED DOWNSPOUT.
13. MODIFY DOWNSPOUT TO DISCHARGE ONTO ROOF OF ELEVATOR EQUIPMENT ROOM.
14. PROVIDE DOWNSPOUT. M-3
15. PROVIDE GUTTER, MATCH AND ATTACH TO EXISTING GUTTER. M-4
16. EXISTING KITCHEN HOOD EXHAUST FAN AND EVAPORATIVE COOLER.
17. PROVIDE AND FLASH 8"x8" OPENING IN PARAPET WALL.
18. PROVIDE SHEET METAL CONDUCTOR HEAD WITH OVERFLOW AND DOWN SPOUT TO SURFACE BELOW, REFER TO DETAIL B3/A12.1
19. PROVIDE SHEET METAL RIDGE CAP TO MATCH EXISTING. M-6
20. PROVIDE SHEET METAL RAKE TRIM TO MATCH EXISTING. M-7
21. PROVIDE SHEET METAL VALLEY FLASHING.

Roof Drain Leader Sizes:

ROOF AREA 1: 841 S.F.
ROOF AREA 2: 2,467 S.F.
3,308 S.F. = (1) 3 1/2"x4" LEADER REQUIRED* (1)

ROOF AREA 3: 2,730 S.F. = (1) 3"x4" LEADERS REQUIRED*

*PER 2012 IPC SECTION 1106 (TABLE 1106.2)

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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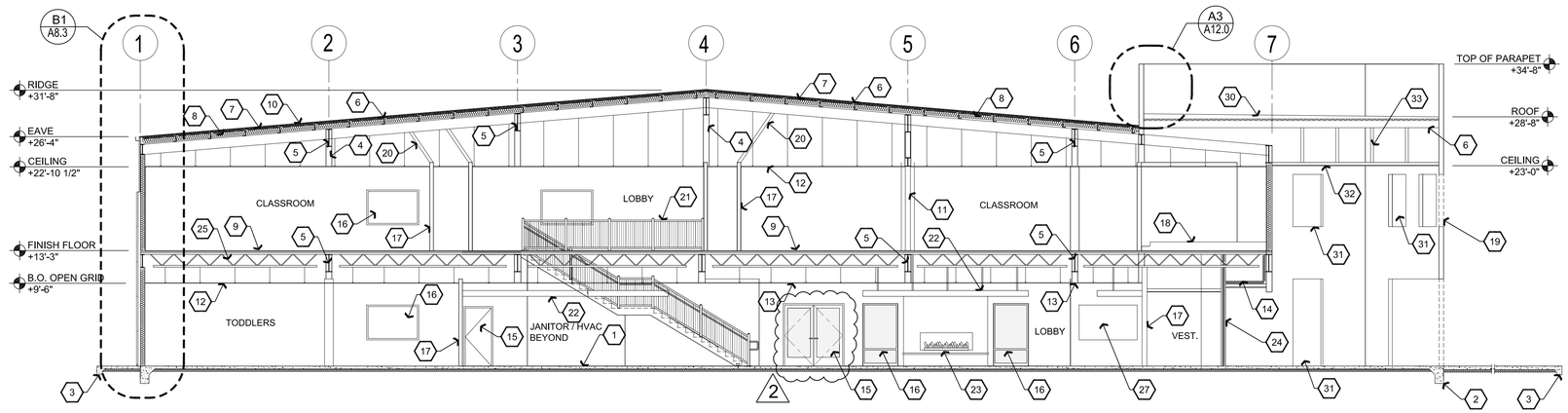
DRAWING: ROOF PLAN

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

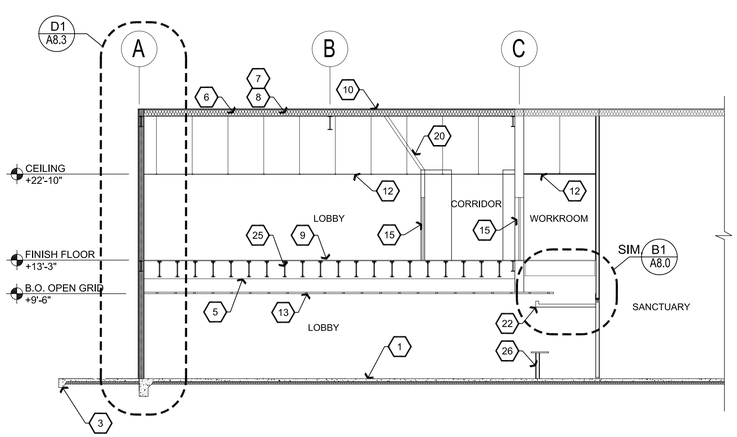
DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A7.0

Jul 21, 2017 - 9:30am



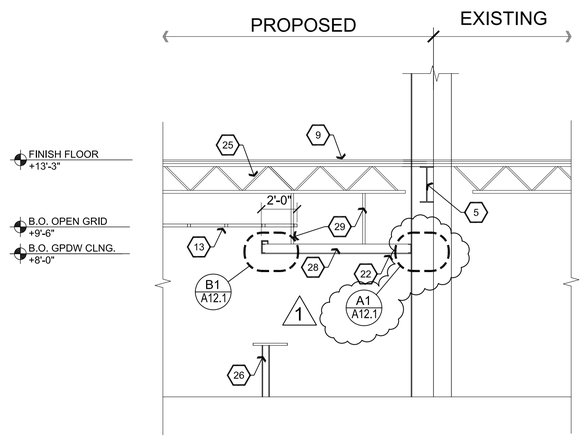
A2 Building Section

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



A1 Building Section

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



B1 GPDW Ceiling Section

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

Descriptive Keynotes

1. PROVIDE CONCRETE SLAB OVER COMPACTED A.B.C. SAWCUT SLAB AS INDICATED ON STRUCTURAL PLANS.
2. PROVIDE CONCRETE FOOTING. REFER TO STRUCTURAL PLANS.
3. PROVIDE 1'-0" TURNDOWN AT CONCRETE SIDEWALK. REFER TO ARCHITECTURAL SITE PLAN.
4. PROVIDE STEEL COLUMN, TYPICAL. REFER TO STRUCTURAL PLANS.
5. PROVIDE STEEL BEAM, TYPICAL. REFER TO STRUCTURAL PLANS.
6. PROVIDE ROOF PURLIN, TYPICAL. REFER TO STRUCTURAL PLANS.
7. PROVIDE R-11 VINYL FACED BLANKET INSULATION.
8. PROVIDE R-19 VINYL FACED BLANKET INSULATION WIRED IN PLACE WITH WIRES SPACED @ 2'-0" O.C.
9. FLOOR SHEATHING, REFER TO STRUCTURAL PLANS.
10. PROVIDE PBR SHEET METAL ROOF PANELS TO MATCH EXISTING. M-1
11. PROVIDE ACCORDION WALL. AP-1
12. SUSPENDED CEILING. REFER TO REFLECTED CEILING PLAN, ACT-1
13. SUSPENDED OPEN GRID CEILING. REFER TO REFLECTED CEILING PLAN. CGR-1
14. PROVIDE R-19 UNFACED BATT INSULATION.
15. PROVIDE DOOR. REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
16. PROVIDE WINDOW. REFER TO REFERENCE FLOOR PLAN AND WINDOW TYPES.
17. PARTITION WALL. REFER TO REFERENCE FLOOR PLAN AND WALL TYPES PLAN.
18. PROVIDE PLATFORM, REFER TO SHEET A10.1.
19. PROVIDE PORTICO WALL. REFER TO WALL TYPES PLAN AND STRUCTURAL PLANS.
20. PROVIDE 3⅝", 25 GAUGE LATERAL STABILIZATION @ 6'-0" O.C. MAXIMUM, TYPICAL.
21. PROVIDE VERTICAL CABLE STAIR SECTION AND RAILING, REFER TO INTERIOR MATERIALS SCHEDULE. R-1
22. PROVIDE SUSPENDED GPDW CEILING, REFER TO CEILING FRAMING PLAN.
23. PROVIDE FIREPLACE, REFER TO INTERIOR MATERIALS SCHEDULE. INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS. FP-1
    PROVIDE MANUFACTURERS SPECIFICATIONS AT TIME OF ROUGH FRAMING INSPECTION.
24. ~~EXTERIOR WALL. REFER TO REFERENCE FLOOR~~ PLAN AND WALL TYPES PLAN.
25. FLOOR JOIST. REFER TO STRUCTURAL PLANS.
26. PONY WALL, REFER TO WALL TYPES PLAN. COUNTERTOP BY OWNER.
27. PROVIDE 9" RECESSED NICHE BETWEEN COLUMNS FOR MONITOR.
28. METAL CEILING JOISTS, REFER TO CEILING FRAMING PLAN.
29. 3 5/8" 20 GAUGE METAL SUPPORT STUDS @ 4'-0" O.C. MAX.
30. PROVIDE 3 PLY BITUMINOUS BUILT-UP ROOF (GRANULAR PLY OVER SMOOTH PLY OVER FIBERGLASS NAILABLE BASE PLY) OVER 7/16" OSB BOARD MECHANICALLY ATTACHED TO MINIMUM 3" TAPERED INSULATION BOARD OVER METAL DECKING. REFER TO DETAIL A4/A12.0.
31. OPENING IN PORTICO WALL, REFER TO EXTERIOR ELEVATIONS AND STRUCTURAL PLANS.
32. SUSPENDED METAL CEILING SYSTEM, REFER TO REFLECTED CEILING PLAN AND STRUCTURAL PLANS. ACT-1
33. CEILING SUPPORT STRUT, REFER TO STRUCTURAL PLANS.

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO
2 TOWN OF PV COMMENTS 08-03-2017	LO

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ARCHITECTURE & PLANNING

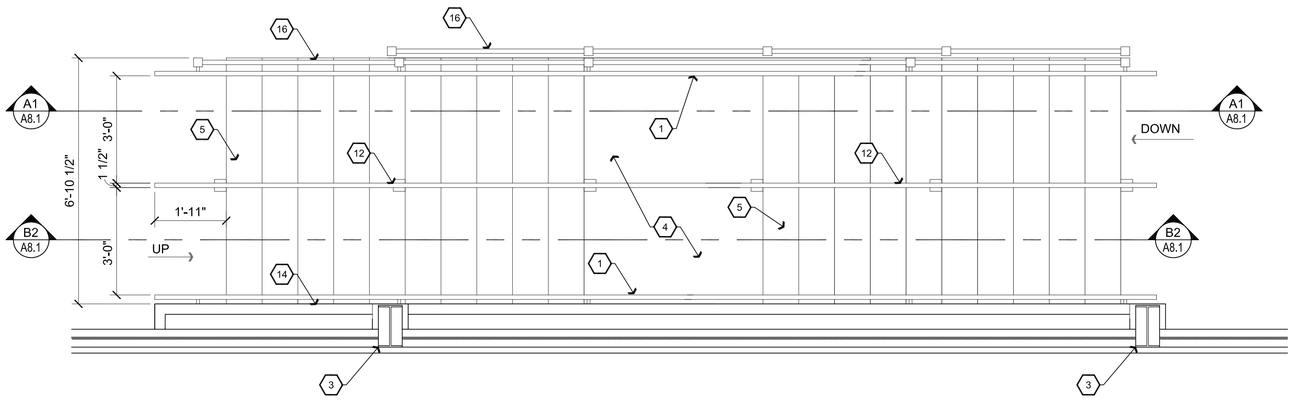
DRAWING: BUILDING SECTIONS

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: A8.0

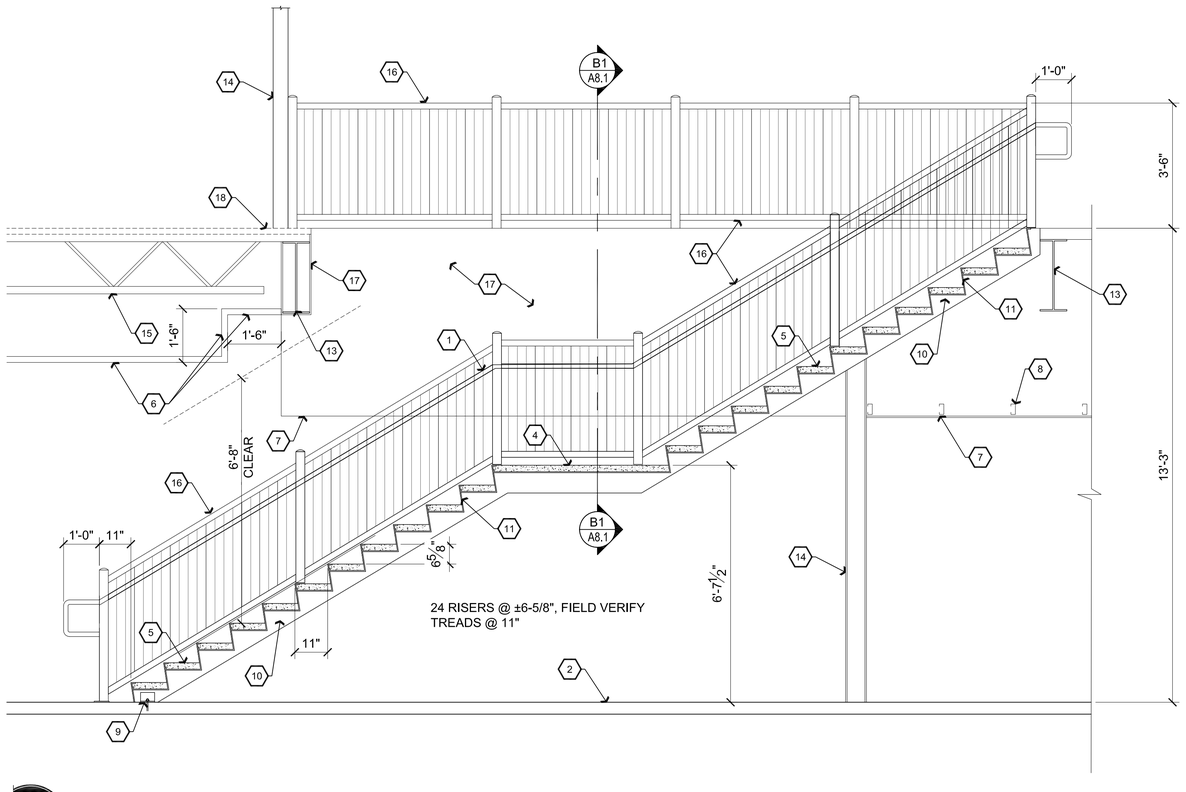
Aug 08, 2017 - 3:29pm



A2 Stair Plan

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

Plan North

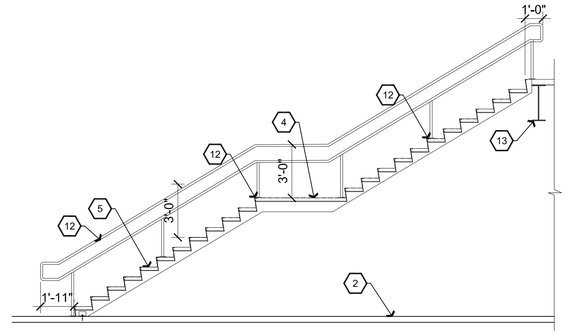


A1 Stair Section

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

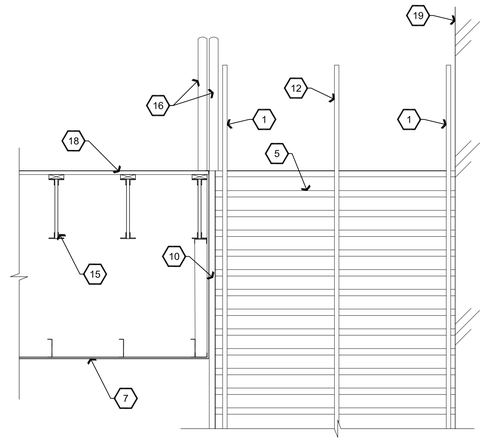
Descriptive Keynotes

1. PROVIDE HANDRAIL @ 36" ABOVE STAIR NOSING, REFER TO MATERIALS SCHEDULE. R-1
2. CONCRETE SLAB - REFER TO STRUCTURAL PLANS.
3. STEEL COLUMN - REFER TO STRUCTURAL PLANS.
4. PROVIDE CONCRETE FILLED METAL PAN LANDING - REFER TO STRUCTURAL PLANS.
5. PROVIDE CONCRETE FILLED METAL PAN STAIR TREAD - REFER TO STRUCTURAL PLANS.
6. PROVIDE OPEN GRID CEILING - REFER TO REFLECTED CEILING PLANS. CGR-1
7. PROVIDE GPDW CEILING - REFER TO REFLECTED CEILING PLANS.
8. PROVIDE METAL CEILING JOIST, REFER TO CEILING FRAMING PLAN.
9. REFER TO STRUCTURAL PLANS FOR ATTACHMENT.
10. PROVIDE STEEL STRINGER - REFER TO STRUCTURAL PLANS.
11. PROVIDE PRE-BENT STEEL TREAD / RISERS, REFER TO STRUCTURAL PLANS.
12. PROVIDE INTERMEDIATE 1-1/2" SCHEDULE 40 PAINTED STEEL PIPE RAIL @ 36" ABOVE STAIR NOSING, ATTACH TO STAIR FLOOR SYSTEM. PT-2
13. PROVIDE STEEL BEAM, REFER TO STRUCTURAL PLANS.
14. INTERIOR WALL, REFER TO WALL TYPES PLAN.
15. PROVIDE FLOOR JOISTS, REFER TO STRUCTURAL PLANS.
16. PROVIDE VERTICAL CABLE STAIR SECTION AND RAILING, MAXIMUM OPENING SIZE NOT TO EXCEED 4", REFER TO INTERIOR MATERIALS SCHEDULE. R-1
17. PROVIDE 5/8" GPDW . PT-1
18. FLOOR SHEATHING, REFER TO STRUCTURAL PLANS.
19. EXTERIOR WALL, REFER TO WALL TYPES PLAN.



B2 Section

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



B1 Section

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

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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Date Signed 06/30/17
ARIZONA, U.S.A.
EXPIRES: 6/30/18

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ARCHITECTURE & PLANNING

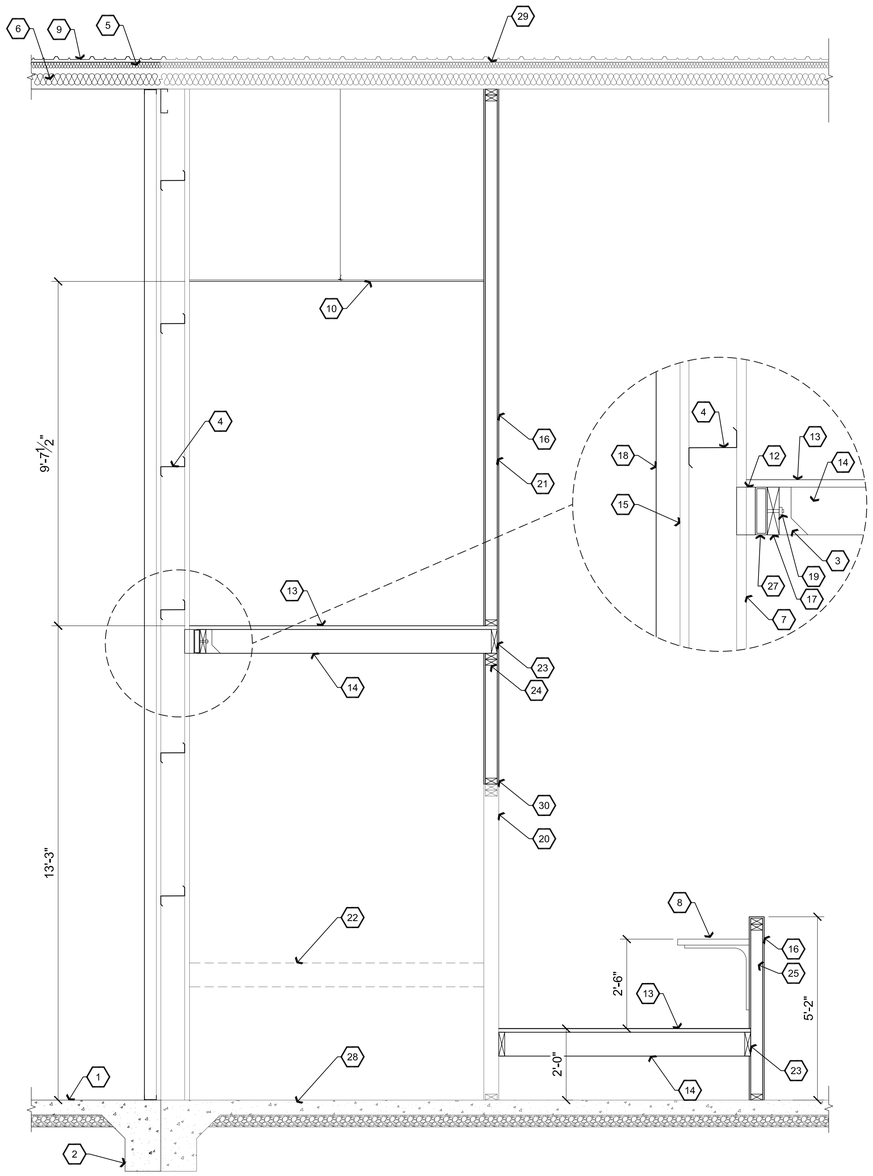
DRAWING: STAIR PLAN AND SECTION

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

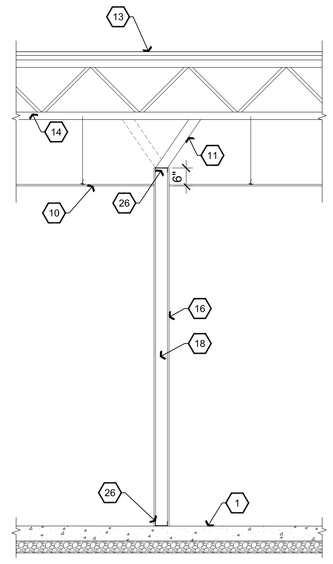
DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A8.1

Jul 21, 2017 - 9:31am



A1 Wall Section

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



B1 Typical Interior Wall Section

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

Descriptive Keynotes

1. PROVIDE CONCRETE SLAB OVER COMPACTED A.B.C., REFER TO STRUCTURAL PLANS.
2. PROVIDE CONCRETE FOOTING. REFER TO STRUCTURAL PLANS.
3. PROVIDE JOIST HANGER, REFER TO STRUCTURAL PLANS.
4. EXISTING ZEE GIRTS.
5. PROVIDE R-11 VINYL FACED BLANKET INSULATION.
6. PROVIDE R-19 VINYL FACED BLANKET INSULATION WIRED IN PLACE.
7. EXISTING METAL STUD WALL FURRING SYSTEM.
8. COUNTERTOP AND SUPPORTS PROVIDED AND INSTALLED BY OWNER. PL-1
9. PROVIDE PBR SHEET METAL ROOF PANELS TO MATCH EXISTING. M-1
10. SUSPENDED ACOUSTICAL CEILING WHERE OCCURS, REFER TO REFLECTED CEILING PLAN. ACT-1
11. PROVIDE 3 5/8", 25 GAUGE LATERAL STABILIZATION @ 6'-0" O.C. MAXIMUM, TYPICAL.
12. PROVIDE STEEL TUBE @ EXISTING COLUMNS, REFER TO STRUCTURAL PLANS DETAIL 218/S6.
13. PROVIDE PLYWOOD SHEATHING, REFER TO STRUCTURAL PLANS.
14. PROVIDE FLOOR JOIST. REFER TO STRUCTURAL PLANS.
15. EXISTING METAL SIDING.
16. PROVIDE 5/8" GPDW.
17. PROVIDE CONTINUOUS WOOD LEDGER, REFER TO STRUCTURAL PLANS.
18. INTERIOR WALL, REFER TO REFERENCE FLOOR PLAN AND WALL TYPES PLAN.
19. PROVIDE THREADED STUD, REFER TO STRUCTURAL PLANS.
20. EXISTING WOOD STUD WALL.
21. PROVIDE WOOD STUD WALL, REFER TO WALL TYPES PLAN AND STRUCTURAL PLANS.
22. EXISTING FLOOR STRUCTURE TO BE REMOVED.
23. PROVIDE RIM JOIST. REFER TO STRUCTURAL PLANS.
24. PROVIDE DOUBLE TOP PLATE. REFER TO STRUCTURAL PLANS.
25. PROVIDE WOOD STUD PONY WALL. REFER TO WALL TYPES PLAN AND STRUCTURAL PLANS.
26. PROVIDE STEEL STUD TRACK.
27. PROVIDE STEEL TUBE, REFER TO STRUCTURAL PLANS.
28. EXISTING CONCRETE SLAB.
29. EXISTING ROOF STRUCTURE.
30. REFER TO STRUCTURAL PLANS FOR CONNECTION, DETAIL 214/S6.

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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ARCHITECTURE & PLANNING

DRAWING: WALL SECTIONS

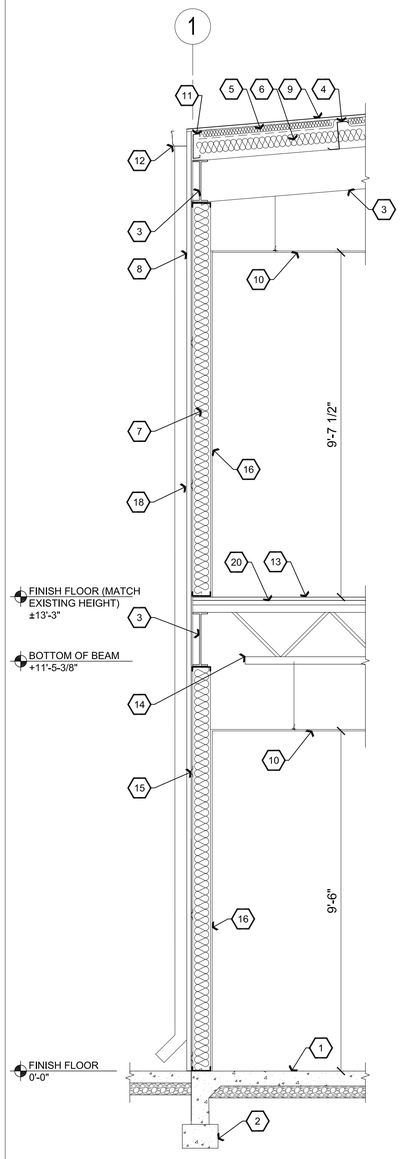
PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

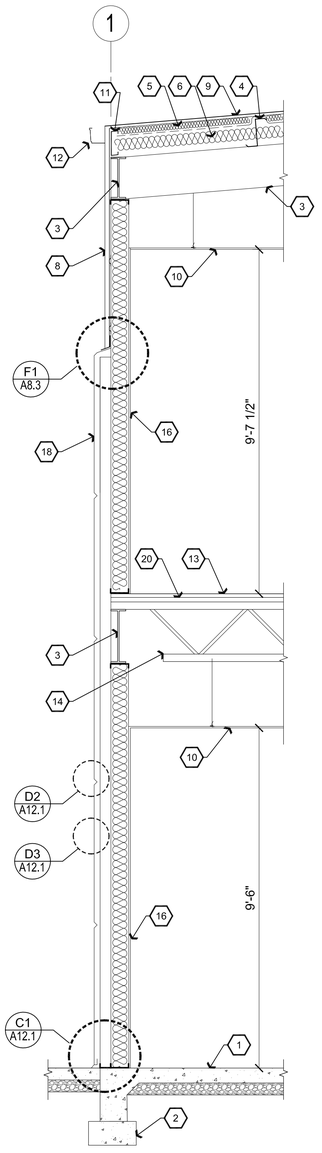
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET:

A8.2

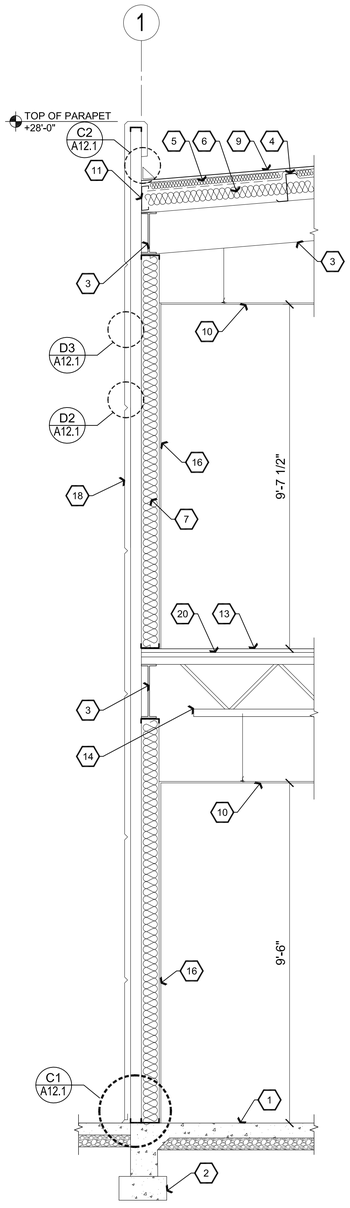
Jul 21, 2017 - 9:31am



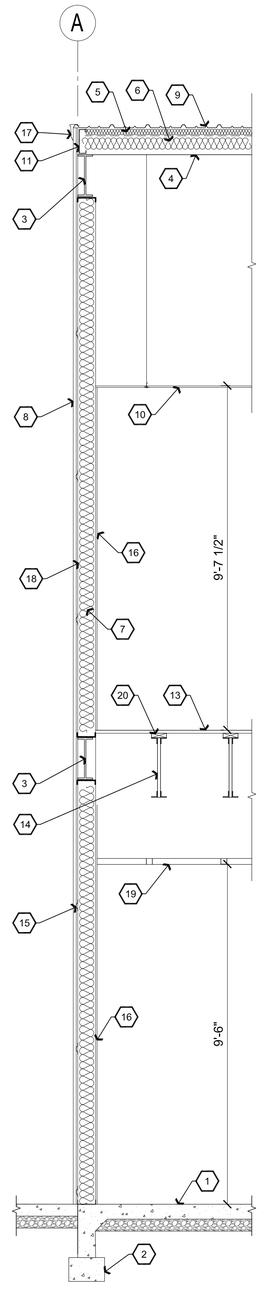
A1 Wall Section
Scale: 1/2"=1'-0"



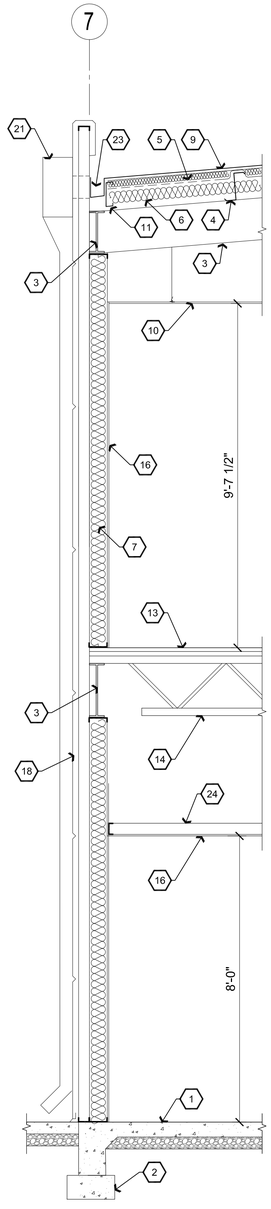
B1 Wall Section
Scale: 1/2"=1'-0"



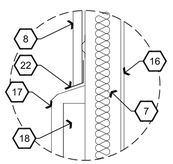
C1 Wall Section
Scale: 1/2"=1'-0"



D1 Wall Section
Scale: 1/2"=1'-0"



E1 Wall Section
Scale: 1/2"=1'-0"



F1 Detail
Scale: 1"=1'-0"

Descriptive Keynotes

1. PROVIDE CONCRETE SLAB OVER COMPACTED A.B.C., REFER TO STRUCTURAL PLANS.
2. PROVIDE CONCRETE FOOTING. REFER TO STRUCTURAL PLANS.
3. PROVIDE STEEL BEAM, TYPICAL. REFER TO STRUCTURAL PLANS.
4. PROVIDE ROOF PURLIN, TYPICAL. REFER TO STRUCTURAL PLANS.
5. PROVIDE R-11 VINYL FACED BLANKET INSULATION.
6. PROVIDE R-19 VINYL FACED BLANKET INSULATION WIRED IN PLACE.
7. PROVIDE R-19 UNFACED BATT INSULATION.
8. PROVIDE ARCHITECTURAL METAL SIDING OVER 1/2" HAT CHANNEL @ 4'-0" O.C., M-2
9. PROVIDE 'PBR' SHEET METAL ROOF PANELS TO MATCH EXISTING. M-1
10. SUSPENDED ACOUSTICAL CEILING WHERE OCCURS. REFER TO REFLECTED CEILING PLAN. ACT-1
11. PROVIDE EAVE PURLIN, REFER TO STRUCTURAL PLANS.
12. PROVIDE SHEET METAL GUTTER AND DOWNSPOUT TO MATCH EXISTING. M-4 M-3
13. PROVIDE PLYWOOD SHEATHING, REFER TO STRUCTURAL PLANS.
14. PROVIDE FLOOR JOIST. REFER TO STRUCTURAL PLANS.
15. PROVIDE 1/2" HAT CHANNEL @ 4'-0" O.C. VERTICALLY.
16. PROVIDE 5/8" GPDW.
17. PROVIDE RAKE TRIM TO MATCH EXISTING. M-7
18. PROVIDE EXTERIOR WALL, REFER TO WALL TYPES PLAN AND STRUCTURAL PLANS.
19. PROVIDE OPEN CEILING GRID SYSTEM. CGR-1
20. PROVIDE 2x NAILER, REFER TO STRUCTURAL PLANS.
21. PROVIDE SHEET METAL CONDUCTOR HEAD WITH DOWNSPOUT, REFER TO DETAIL B3/A12.1
22. PROVIDE FLASHING.
23. PROVIDE CONCEALED, 16 GAUGE GUTTER WITH WELDED JOINTS. M-3
24. METAL CEILING JOIST, REFER TO CEILING FRAMING PLAN.

Jun 02, 2017 - 12:56pm

REVISIONS	BY

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ARIZONA, U.S.A.
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ARCHITECTURE & PLANNING

DRAWING: WALL SECTIONS

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

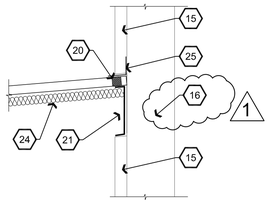
APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET:

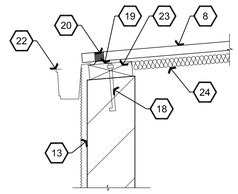
A8.3

Descriptive Keynotes

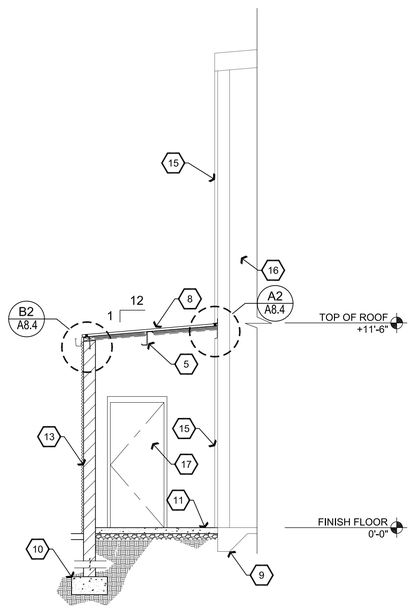
1. EXISTING ROOF RIDGE.
2. SECOND FLOOR, FINISH FLOOR.
3. ELEVATOR SHAFT.
4. ELEVATOR DOOR OPENING.
5. ZEE PURLIN, REFER TO STRUCTURAL PLANS.
6. BEAM, REFER TO STRUCTURAL PLANS.
7. EXISTING METAL ROOF PANELS.
8. PROVIDE SHEET METAL ROOF PANELS TO MATCH EXISTING. M-1
9. EXISTING FOOTING.
10. PROVIDE FOOTING, REFER TO STRUCTURAL PLANS.
11. PROVIDE CONCRETE SLAB, REFER TO STRUCTURAL PLANS.
12. SUMP PUMP RECESS BEYOND.
13. PROVIDE CMU WALL, REFER TO WALL TYPES PLAN AND MATERIALS SCHEDULE.
14. ELEVATOR EQUIPMENT ROOM.
15. EXISTING METAL SIDING.
16. EXISTING STEEL BUILDING.
17. PROVIDE DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
18. PROVIDE 1/2"x8" AB @ 4'-0" O.C.
19. PROVIDE 1/2" CONTINUOUS HAT CHANNEL.
20. PROVIDE FOAM CLOSURE.
21. PROVIDE 8" EAVE PURLIN.
22. PROVIDE SHEET METAL GUTTERS, REFER TO ROOF PLAN. M-4
23. PROVIDE 3x8 TOP PLATE.
24. PROVIDE R-11 VINYL FACED BLANKET INSULATION.
25. PROVIDE FLASHING.
26. PROVIDE FIRE EXTINGUISHER IN ACCORDANCE WITH STATE ELEVATOR REQUIREMENTS.
27. PROVIDE ELEVATOR LADDER IN ACCORDANCE WITH STATE ELEVATOR REQUIREMENTS.



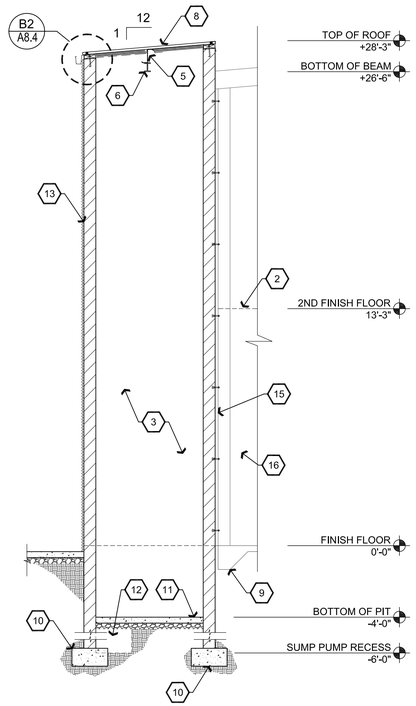
A2 Detail
Scale: 1"=1'-0"



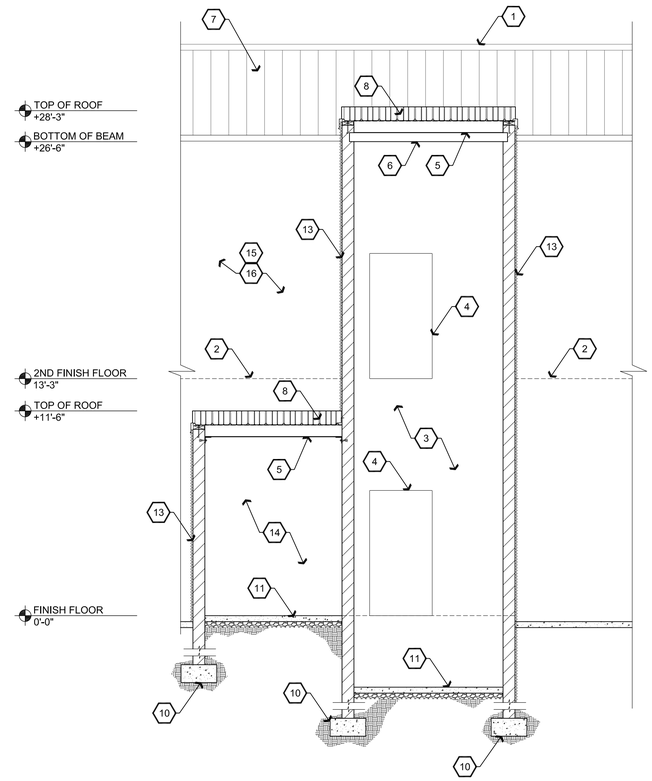
B2 Detail
Scale: 1"=1'-0"



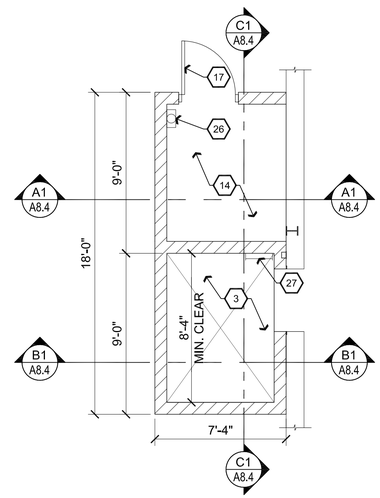
A1 Equipment Room Section
Scale: 1/4"=1'-0"



B1 Elevator Shaft Section
Scale: 1/4"=1'-0"



C1 Elevator & Equipment Room
Scale: 1/4"=1'-0"



D1 Enlarged Plan
Scale: 1/4"=1'-0"

Plan North

Jul 21, 2017 - 9:31am

REVISIONS | BY
1 TOWN OF PV COMMENTS 07-13-2017 | LO

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ARCHITECTURE & PLANNING

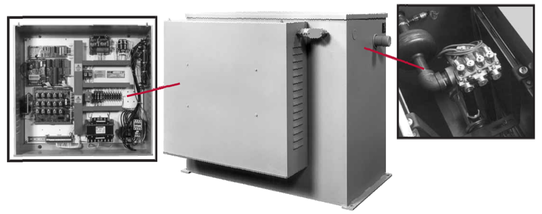
DRAWING: ELEVATOR PLAN, SECTIONS AND DETAILS

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: A8.4

COMPONENTS



POWER UNIT

Contemporary elevator systems utilize the most trouble-free and easily serviced components available. The submersible power units built by Canton Elevator are defined by those criteria and use only the highest grade materials available. There are no external pipes or fittings to leak and no belts to break, stretch or adjust.

- Furnished with silencer.
- Built-in pressure gauge to assist in installation and service.
- Integral controller mounted to front of unit and motor starter/valve coils are prewired for quick and easy installation.
- Isolation mounting pads are included.
- Maximum nominal size of power unit is 48" W x 33-3/4" D x 42" H overall with controller.
- For installation where machine room door width is less than 36", controller and motor/starter panel can be removed. Maximum depth of power unit is then 26-3/4".
- Basic Tradesman package is designed to operate on 208/220-240V/3 PH/60 HZ power supply. Can be furnished to operate on other voltages.
- Threaded oil line and fittings and wiring materials are furnished for an adjacent machine room at side or rear of shaft at lowest landing.

CONTROLLER

The microcomputer-based controller provided as a standard with every Canton Elevator Tradesman system incorporates the latest technologies in the industry. The most important features include on board diagnostics, which require no additional test equipment to maintain or trouble-shoot permanent display of all calls, car position and direction along with key modes of operation and condition codes and built-in protection timers that can save your hydraulics, pump and door motors from damage and unnecessary wear. Simplicity, combined with ease of installation and "at-a-glance" service indicators, help to ensure your system's reliability while keeping maintenance costs to a minimum. Provision is made for car traveling lantern with handicap gong, independent service, low oil control.

Optional features available at added cost:

- Phase I & II fire service - per code requirements
- Phase reverse relay
- Access switch provision
- Hall lantern and gongs
- Mass EMT provision
- Door nudging
- Wye-Delta starting system
- Interface to rescuvator or emergency power system
- CSA label

MAGNETIC TAPE LANDING SYSTEM

This cartop mounted system provides accurate performance for deceleration, stopping, levelling and access zoning. This unit eliminates the need for vanes and switches.

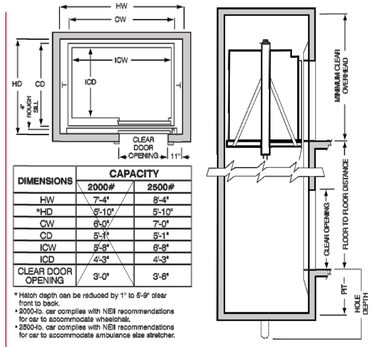
RAIL BRACKETS

Reduces installation time by allowing complete rail adjustment in all directions.

GUIDE SHOES

- Removable nylon swivel insert
- No bearings or springs to wear out or break
- Easy to adjust

ARCHITECTURAL DETAILS

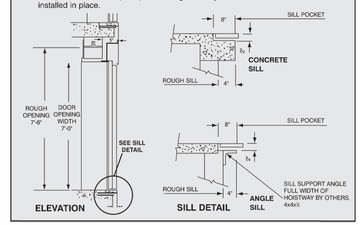


DIMENSIONS	CAPACITY 2000#	CAPACITY 2500#
HW	7'-4"	8'-4"
*HD	5'-10"	5'-10"
OW	6'-0"	7'-0"
CD	5'-1"	5'-1"
ICW	5'-8"	6'-8"
ICD	4'-3"	4'-3"
CLEAR DOOR OPENING	3'-0"	3'-6"

* Hatch depth can be reduced by 1" to 5'-9" clear front to back.
• 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
• 2500-lb. car complies with NEII recommendations for car to accommodate ambulance size stretcher.

ENTRANCE DETAIL

It is recommended that the entrance wall be left open until door frames and sills are set in place. If this is not possible, then a rough opening must be provided that is 1-0" wider and 6" higher than door opening. Wall is to be completed and sills (and frames as required) are to be grouted by others after entrances are installed in place.



MACHINE ROOM

- An area 5'-5" x 7'-0" x 8'-0" high is adequate with 3'-0" wide door opening for access.
- All materials are furnished for machine room located adjacent to elevator hoistway at lowest landing.
- Adequate heating and ventilation to meet code requirements must be provided.

Calculation of Pit, Overhead, Hole Depth Requirements

FOR 2-STOP HOLELESS

Maximum floor-to-floor distance available is 16'-0'

- Pit depth - 4'-0" minimum is standard.
- Minimum clear Overhead required by code (based on 8'-0" high cab):
  For up to and including 100 FPM = 11'-11".
  For over 100 FPM = 12'-2".
- Total hoistway height required (pit floor to clear under roof) is:
  For up to & including 100 FPM:
  (2) x (FL to FL travel) + 2'-10".
  For over 100 FPM: (2) x (FL to FL travel) + 4'-0".

If total hoistway height is not sufficient, (2) holes can be provided to make up required dimension. In this case, add an additional 6" to required height.
For up to and including 100 FPM - add 3'-4" in lieu of 2'-10".
For over 100 FPM - add 4'-8" in lieu of 4'-0".
Note that clear Overhead as required by code must always be maintained.
For example (FOR HOLELESS ONLY):
For FL to FL distance of 15'-4" use 16'-0", Speed of 90 FPM, Pit 4'-0", Overhead 13'-0".

Available	Actual FL to FL	15'-4"	Required	(2)Travel + (2) 16'-0" = 32'-0"
Pit		4'-0"	Over 100 FPM	add 4'-8"
O.H.		13'-0"		34'-10"
		32'-4"	Available	32'-4"
			Holes required	2'-8"
			Additional add	4"
			Hole depth required	3'-0"

FOR 3-STOP HOLELESS

Maximum floor-to-floor distance available is 26'-0'

100 FPM
(1/2 Travel) + 58" = Pit & Overhead required.
Minimum Overhead is 12'-5".
Minimum Pit is 4'-0".

125 FPM
(1/2 Travel) + 67" = Pit & Overhead required.
Minimum Overhead is 13'-1".
Minimum Pit is 4'-0".

FOR HOLED INSTALLATIONS

Maximum floor-to-floor distance available is 39'-0'

- Pit depth - 4'-0" minimum is standard.
- Hole depth from lower terminal landing is approximate Travel + 6'-0".
- Minimum clear Overhead required (based on 8'-0" high cab):
  For up to 100 FPM = 11'-11".
  For 100 FPM and over = 12'-2".

FEATURES AT A GLANCE

MAXIMUM TRAVEL DISTANCES (FLOOR-TO-FLOOR):
Two-Stop Models - Holed and Holeless - 16'-0".
Three-Stop Models - Holed Only - 26'-0".
Four-Stop Models - Holed Only - 39'-0".

DESCRIPTION	Model T2902	Model T2502	Model T2002H	Model T2902H	Model T2903	Model T2503	Model T2003H	Model T2503H	Model T2004	Model T2504
CAPACITY 2000 LBS. PLATFORM 6'-0" x 5'-1"	■		■		■		■		■	
CAPACITY 2500 LBS. PLATFORM 7'-0" x 5'-1"		■		■		■		■		■
HOLE TYPE	■	■		■	■	■		■	■	■
HOLELESS			■	■			■	■		
NUMBER OF LANDINGS IN LINE	2	2	2	2	3	3	3	3	4	4
SINGLE SLIDE RIGHT OR LEFT HAND 3'-0" W x 7'-0" H	■		■		■		■		■	
SINGLE SLIDE RIGHT OR LEFT HAND 3'-6" W x 7'-0" H		■		■		■		■		■
OPERATION: SIMPLEX SELECTIVE COLLECTIVE FOR 208/220-240V/3 PH/60 HZ POWER	■	■	■	■	■	■	■	■	■	■
HALL STATIONS, LIGHT-UP PUSHBUTTONS	■	■	■	■	■	■	■	■	■	■
CAR STATION, PHONE BOX, EMERGENCY LIGHT	■	■	■	■	■	■	■	■	■	■
CAR POSITION INDICATOR WITH FLOOR PASSING GONG	■	■	■	■	■	■	■	■	■	■
CAR TRAVELING LANTERN, HANDICAP GONG	■	■	■	■	■	■	■	■	■	■
SPEED 90 FPM 20 H.P. - ATL START	■	■	■	■						
SPEED 100 FPM 20 H.P - ATL START					■					
SPEED 100 FPM 25 H.P. - ATL START						■	■	■	■	■
OPTIONAL SPEED 125 FPM 25 H.P. - ATL START	■	■	■		■				■	
OPTIONAL SPEED 125 FPM 30 H.P. - Y Δ START				■		■	■	■		■

AVAILABLE OPTIONS FOR ALL MODELS:

- Multi-section jack unit
- Phase I & II fire service
- Wye-Delta motor starter for 20, 25 and 30 H.P.
- Hall lantern and gong
- Phase reverse relay
- Door nudging
- Battery emergency lowering
- Hall position indicators
- Victaulic oil line
- Mass EMT
- Keyed hall stations
- #4 stainless steel car door
- #4 stainless steel handrail on three sides of car
- Aluminum eggcrate ceiling
- Pad hooks and pads
- Hoistway entrance frames for 3-3/4 drywall
- Equipment to operate on 440-480/575 Volt, 3 PH, 60 Hz power supply
- Various other cab, entrance and fixture options available. (See Price/Order Form)
- Cover mounted auto-dial phone

SPECIFICATIONS

These Items Must Be Considered By Purchaser

The purchaser must provide the following in accordance with ANSI A17.1 code requirements or local code requirements, whichever are more stringent.

HOISTWAY AND PIT

1. A clear hoistway of the dimensions shown, plumb to within 1".
2. Venting of hoistway as required by code.
3. A reinforced pit floor to sustain applied vertical loads with a sump pump or drain.
4. **For hole type installations:** A 30" square hole is to be left in the pit floor and is to be grouted in by others after jack unit is installed.
5. A pit ladder for each elevator of non-combustible material, constructed and installed in accordance with code, and extending from pit floor to 42" above sill of lowest hoistway door.
6. Adequate supports for guide rail brackets, to support horizontal loads as shown. Support locations must not exceed spacing as required by code, and as shown. When maximum spacing is exceeded, rail reinforcement, or additional supports must be provided at purchaser's expense.
7. Guide rail support locations must be steel, brick, concrete, or filled concrete block. If inserts are furnished, these are to be installed by others, in locations shown, as walls are erected. If rail brackets are attached to steel beams, fireproofing is to be applied AFTER rail brackets are installed.
8. Projections or recesses in the hoistway of 2" or more, on sides not used for loading or unloading, shall be beveled at an angle not less than 75° from the horizontal.
9. A hoist beam, hook, or eyebolt shall be furnished at the top of the hoistway, located on centerline of car and guides - designed for load capacity of 6000 pounds.
10. Entrance walls accepting passenger type entrances are to be erected (or rough opening as shown filled in) after door frames and sills are installed.
11. A suitable sill support and recess as shown, full width of the hoistway, grouted by others after door sills are installed.
12. Required sleeves in hoistway wall, or any trenching and filling, for oil line and wiring duct for each elevator, as shown.
13. Any cutting and patching of building construction required to install signal fixtures, or other elevator apparatus, and any repairs, grouting, patching, or painting made necessary by same.
14. Barricades as may be required during construction.

MACHINE ROOM

15. A machine room properly lighted and ventilated per code requirements with temperature maintained between 60° - 95°. Door of size to permit access for hydraulic machine, to be self-closing and locking, but openable from inside without key.

ELECTRICAL
All electrical in accordance with ANSI and NEC.

16. A fused disconnect switch for each elevator, of ample capacity, with wiring to the elevator motor starter control. Disconnecting means shall disconnect the normal power supply as well as emergency supply, when provided.
17. Light and switch in elevator machine room, with switch located adjacent to access door. Convenience outlet in machine room.
18. Light, switch and convenience outlet in elevator pit, light switch accessible from lower landing opening. Install light to clear elevator car.
19. Suitable 110V service in the hoistway, midway of travel (see layout) or connected to terminals in elevator controller for car light service (elevator contractor's option).
20. Smoke detectors located at each elevator landing and in the machine room. When sprinklers are present in the machine room or hoistway, provide an automatic means to disconnect the mainline power.
21. Telephone instrument in elevator car and wiring from building source to elevator control panel.
22. Furnishing of any special intercom, paging, or television systems, including wiring from building source to elevator control panel.

GENERAL

23. Necessary power for installing, erecting, and testing, without charge.
24. Any features or equipment required, but not specified as being furnished by elevator contractor.
25. A safe and dry space to store elevator equipment and tools before and during construction.

STANDARD SUBMERSIBLE ELEVATOR MOTOR RATINGS

HP	VOLTS	FLA	LRA
20	200	60	299
20	230	52	260
20	460	26	130
20	575	21	104
25	200	75	380
25	230	66	330
25	460	33	165
25	575	27	132
30	200	85	494
30	230	74	430
30	460	37	215
30	575	29.6	172

LRA are given for across the line starting. Starting amps are .33 times LRA when starting on wye start - delta run. (Typical data)

CANTON ELEVATOR INCORPORATED
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PHONE 330-833-3600 ■ FAX 330-833-0229
E-Mail sales@CantonElevator.com. ■ Web Site www.CantonElevator.com

CE-157RD LITHO IN U.S.A. 10/10

Jun 02, 2017 - 12:58pm

REVISIONS	BY

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ARCHITECTURE & PLANNING

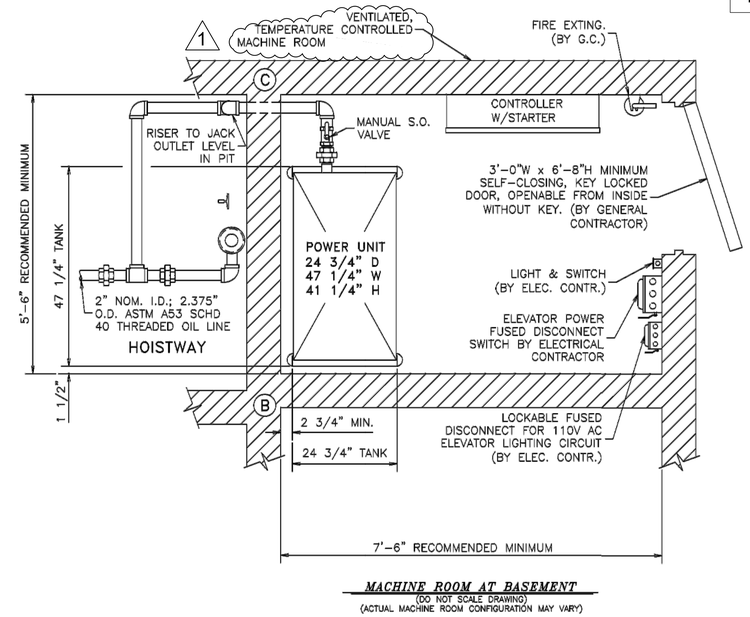
DRAWING: Elevator Specifications

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ. 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A8.5

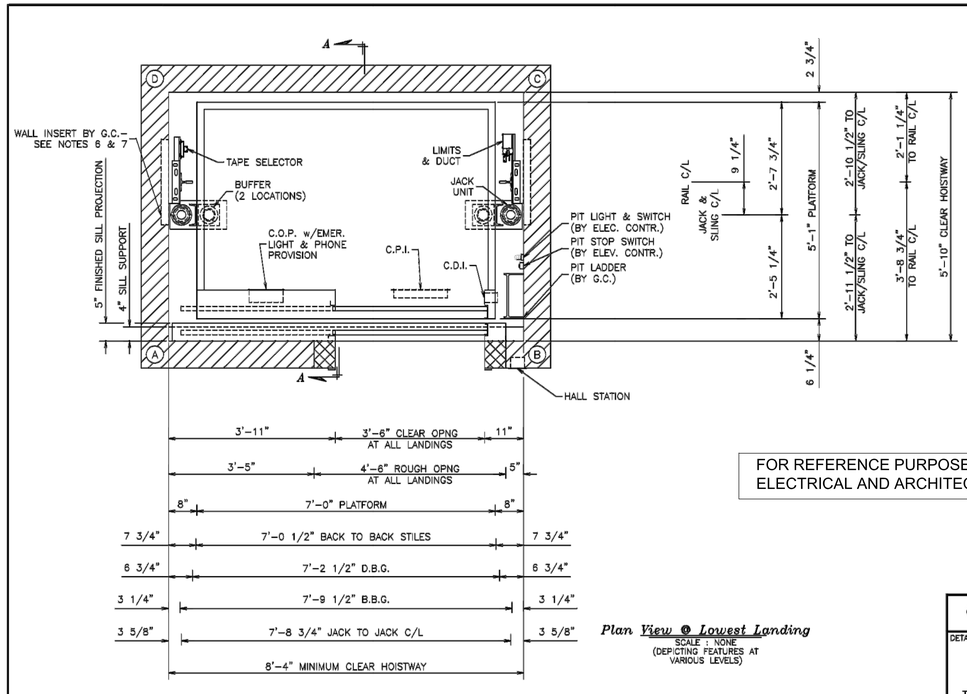
FOR REFERENCE PURPOSES ONLY, REFER TO ELECTRICAL AND ARCHITECTURAL PLANS



MACHINE ROOM AT BASEMENT
(DO NOT SCALE DRAWING)
(ACTUAL MACHINE ROOM CONFIGURATION MAY VARY)

DETAIL:
TYPICAL ADJACENT MACHINE ROOM DEPICTING GENERAL ARRANGEMENT AND MINIMUM REQUIREMENTS (THREADED OIL LINE CONNECTIONS)

CONTRACT No. TRADESMAN MR THRD | SHEET No. 4 OF 4



Plan View @ Lowest Landing
SCALE : NONE
(DEPICTING FEATURES AT VARIOUS LEVELS)

FOR REFERENCE PURPOSES ONLY, REFER TO ELECTRICAL AND ARCHITECTURAL PLANS

CANTON ELEVATOR INCORPORATED

DETAIL:
2500# CAPACITY HYDRAULIC PASSENGER, DUAL TELESCOPIC JACK, THREE STOP, FRONT OPENINGS

CONTRACT No. T2503H PRELIM | SHEET No. 2 OF 4

Jul 21, 2017 - 9:33am

1 REVISIONS BY
TOWN OF PV COMMENTS 07-13-2017 LO

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REGISTERED ARCHITECT
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Date Signed 06/30/17
ARIZONA U.S.A.
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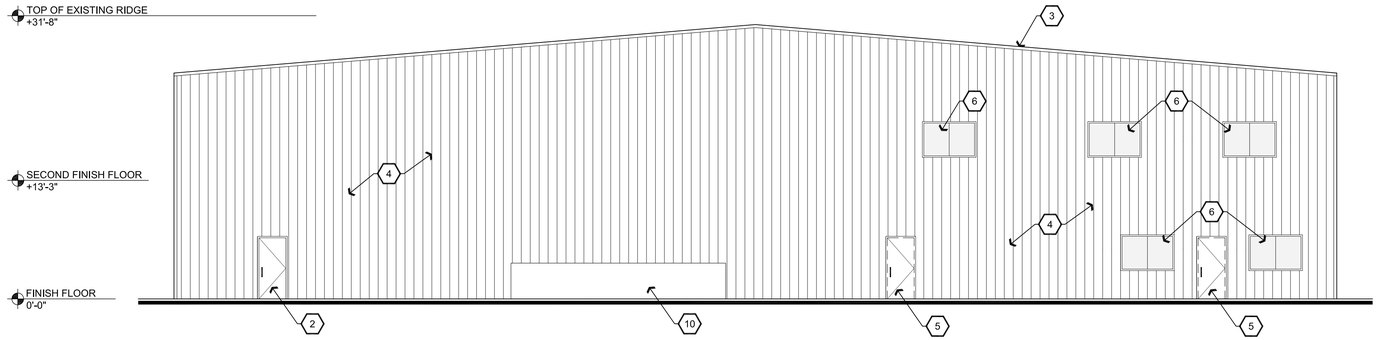
SHEET

A8.6

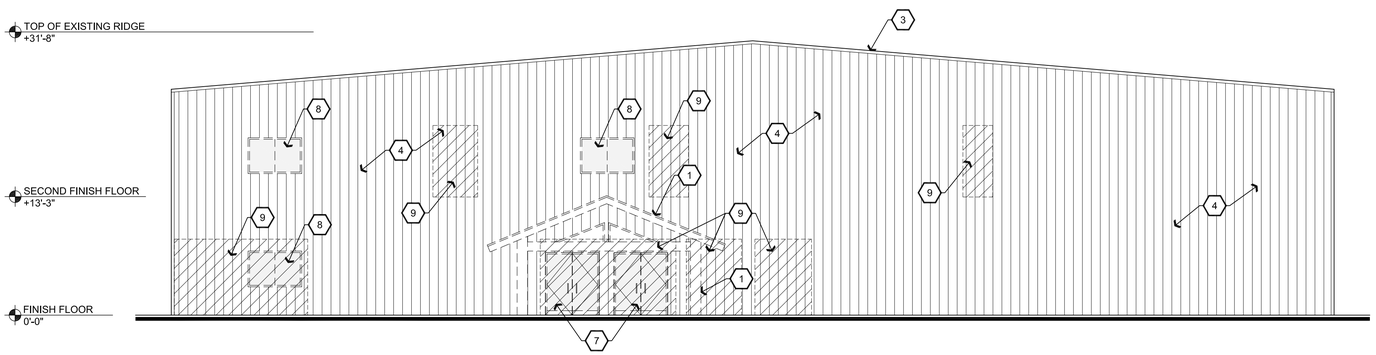
Descriptive Keynotes

1. REMOVE ENTIRE 20'x16' PORTICO.
2. EXISTING DOOR TO REMAIN.
3. EXISTING ROOF.
4. EXISTING METAL SIDING.
5. REMOVE EXISTING DOOR, FRAME TO REMAIN.
6. EXISTING WINDOW TO REMAIN.
7. REMOVE EXISTING DOOR AND FRAME.
8. REMOVE EXISTING WINDOW.
9. REMOVE PORTIONS OF WALL AS REQUIRED FOR NEW INTERIOR OPENINGS, REFER TO FLOOR PLANS.
10. EXISTING CMU WALL.



A2 North Elevation Existing / Demolition

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



A1 South Elevation Existing / Demolition

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

Jun 02, 2017 - 1:01pm

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ARCHITECTURE & PLANNING

DRAWING: EXISTING / DEMOLITION EXTERIOR ELEVATIONS

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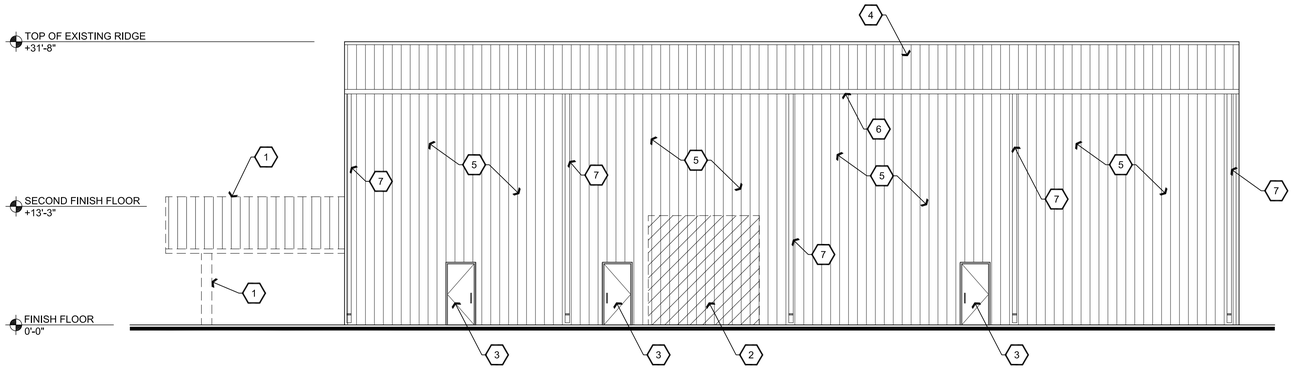
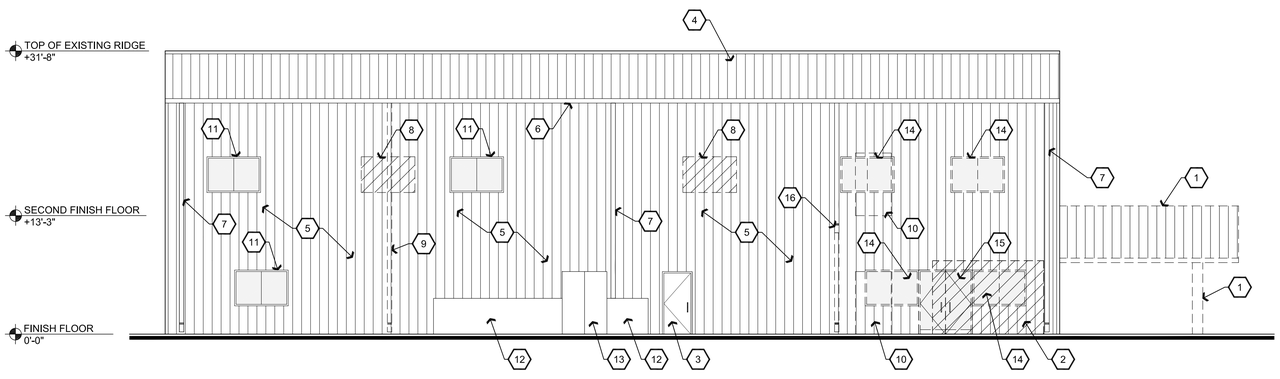
SHEET	A9.0



A2 East Elevation Existing / Demolition

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



A1 West Elevation Existing / Demolition

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

Descriptive Keynotes

1. REMOVE ENTIRE 20'x16' PORTICO.
2. REMOVE PORTION OF WALL TO ACCOMMODATE NEW SECTIONAL DOOR, REFER TO REFERENCE FLOOR PLAN, DIMENSION PLAN AND DOOR SCHEDULE.
3. EXISTING DOOR TO REMAIN.
4. EXISTING ROOF.
5. EXISTING METAL SIDING.
6. EXISTING METAL GUTTER.
7. EXISTING METAL DOWNSPOUT.
8. REMOVE PORTION OF EXISTING WALL FOR NEW WINDOW LOCATION.
9. REMOVE EXISTING DOWNSPOUT. REPAIR EXISTING GUTTER WHERE DOWNSPOUT WAS REMOVED.
10. REMOVE PORTION OF EXISTING WALL FOR ELEVATOR OPENING LOCATIONS.
11. EXISTING WINDOW TO REMAIN.
12. EXISTING CMU WALL.
13. EXISTING ELECTRIC SERVICE ENTRANCE SECTION.
14. REMOVE EXISTING WINDOW.
15. REMOVE EXISTING DOOR AND FRAME.
16. MODIFY EXISTING DOWNSPOUT TO DISCHARGE ONTO ELEVATOR EQUIPMENT ROOM ROOF.

REVISIONS	BY

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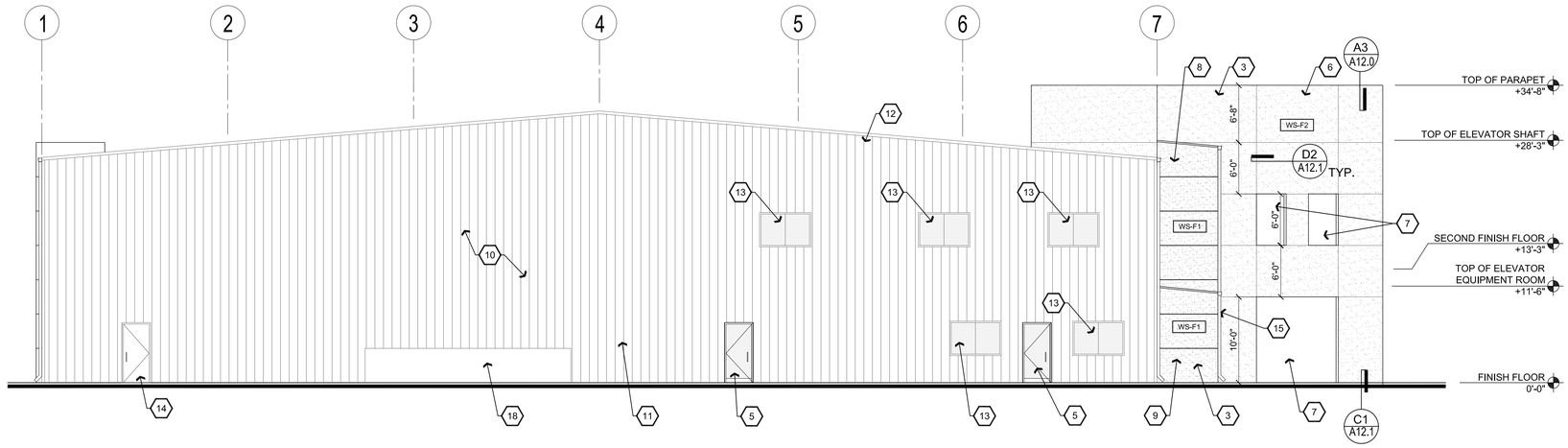
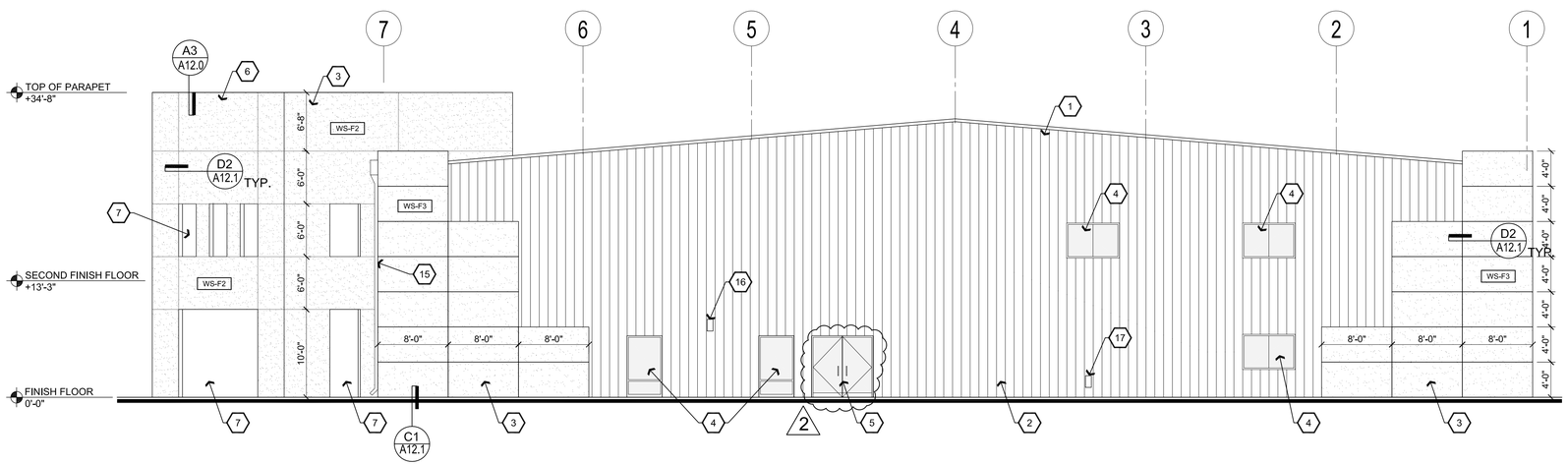
Jun 02, 2017 - 1:01pm



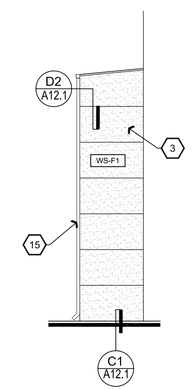
A2 North Elevation

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



A1 South Elevation

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



B1 West Elevation

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

Descriptive Keynotes

1. PROVIDE RAKE TRIM TO MATCH EXISTING.
2. PROVIDE METAL WALL PANELS TO MATCH EXISTING. M-2
3. EXTERIOR WALL, REFER TO REFERENCE PLAN, WALL TYPES AND MATERIALS SCHEDULE.
4. PROVIDE WINDOW. REFER TO REFERENCE FLOOR PLAN AND WINDOW TYPES.
5. PROVIDE DOOR. REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
6. PROPOSED PORTICO.
7. OPENING INTO PORTICO, REFER TO DIMENSION PLANS FOR HORIZONTAL OPENING DIMENSIONS.
8. PROPOSED ELEVATOR SHAFT.
9. PROPOSED ELEVATOR EQUIPMENT ROOM.
10. EXISTING BUILDING.
11. EXISTING METAL WALL PANELS.
12. EXISTING RAKE TRIM.
13. EXISTING WINDOW.
14. EXISTING DOOR.
15. PROVIDE SHEET METAL DOWNSPOUT TO MATCH EXISTING. M-3
16. PROVIDE FIREPLACE VENT.
17. PROVIDE DRYER VENT.
18. EXISTING HVAC ENCLOSURE WALL.

	REVISIONS	BY
2	TOWN OF PV COMMENTS 08-03-2017	LO

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ARCHITECTURE & PLANNING

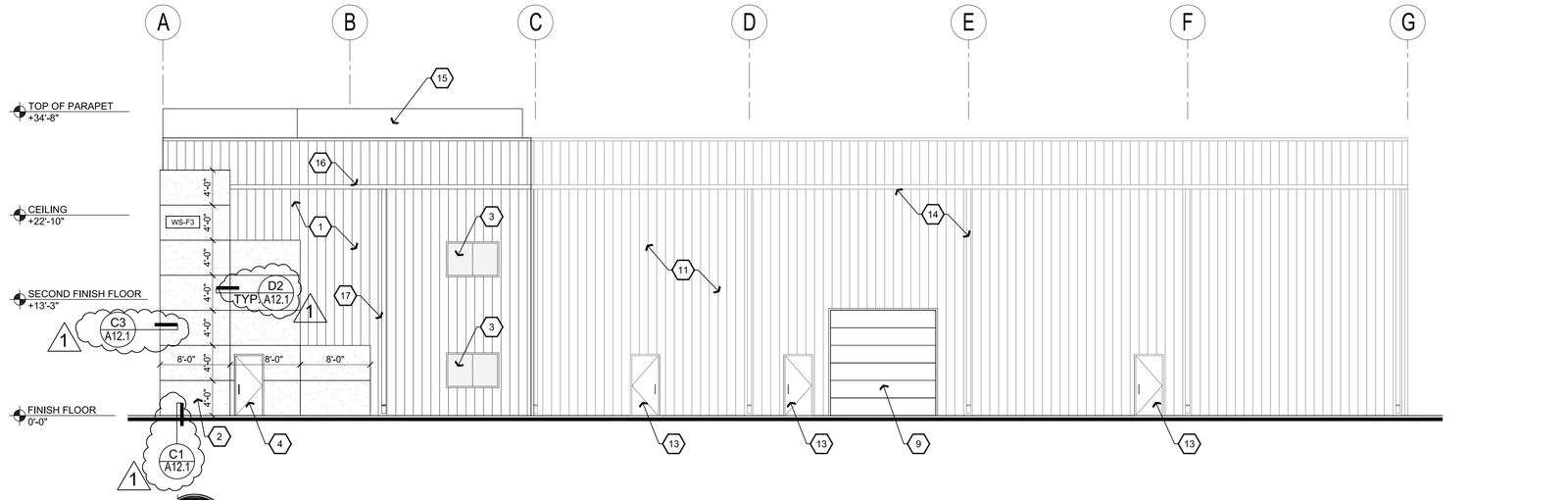
DRAWING: EXTERIOR ELEVATIONS

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

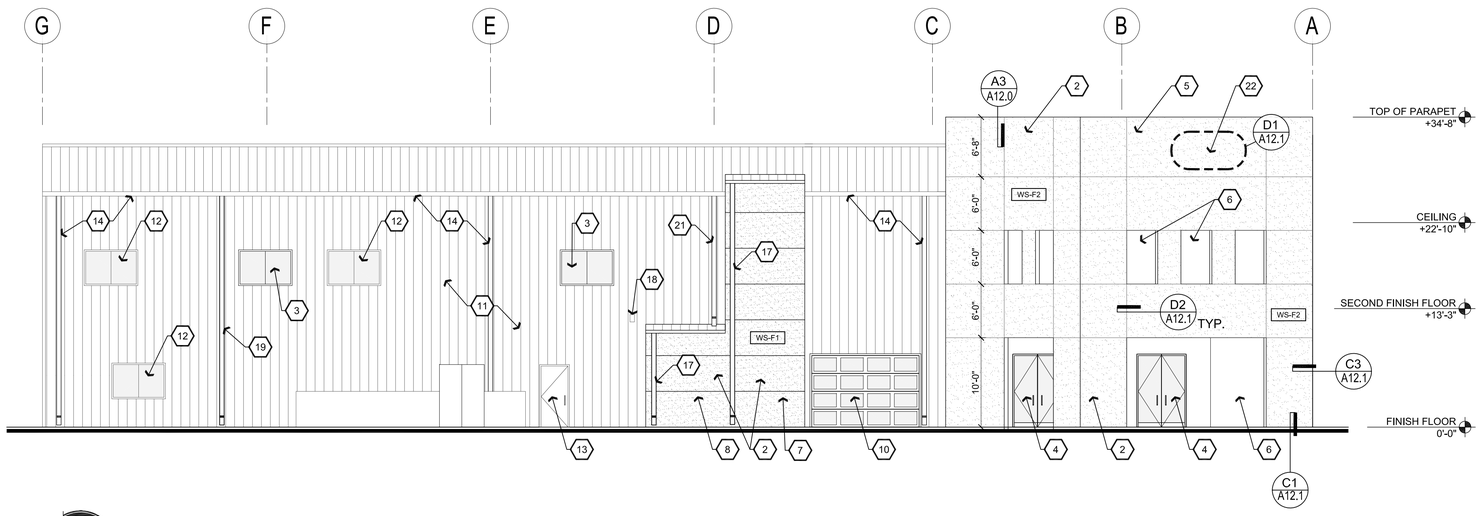
DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A9.2

Aug 08, 2017 - 3:29pm



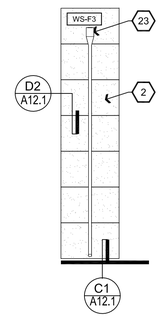
A2 East Elevation

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



A1 West Elevation

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



B1 West Elevation

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

Descriptive Keynotes

1. PROVIDE METAL WALL PANELS TO MATCH EXISTING. M-2
2. EXTERIOR WALL, REFER TO REFERENCE PLAN, WALL TYPES AND MATERIALS SCHEDULE.
3. PROVIDE WINDOW. REFER TO REFERENCE FLOOR PLAN AND WINDOW TYPES.
4. PROVIDE DOOR. REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
5. PROPOSED PORTICO.
6. OPENING INTO PORTICO, TYPICAL.
7. PROPOSED ELEVATOR SHAFT.
8. PROPOSED ELEVATOR EQUIPMENT ROOM.
9. PROVIDE SECTIONAL, VERTICAL LIFT DOOR INTO EXISTING BUILDING. REFER TO DOOR SCHEDULE.
10. PROVIDE OVERHEAD DOOR. REFER TO DOOR SCHEDULE.
11. EXISTING METAL WALL PANELS.
12. EXISTING WINDOW.
13. EXISTING DOOR.
14. EXISTING GUTTER AND DOWNSPOUT.
15. PORTICO BEYOND.
16. PROVIDE SHEET METAL GUTTER TO MATCH EXISTING. M-4
17. PROVIDE SHEET METAL DOWNSPOUT TO MATCH EXISTING. M-3
18. EXISTING VENT.
19. RELOCATED DOWNSPOUT.
20. NOT USED.
21. MODIFY DOWNSPOUT TO DISCHARGE ONTO ROOF OF ELEVATOR EQUIPMENT ROOM.
22. POSSIBLE SIGNAGE LOCATION. VERIFY WITH OWNER.
23. PROVIDE SHEET METAL CONDUCTOR HEAD WITH DOWNSPOUT, REFER TO DETAIL B3/A12.1

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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REGISTERED ARCHITECT
CERTIFICATE NO.
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ARCHITECTURE & PLANNING

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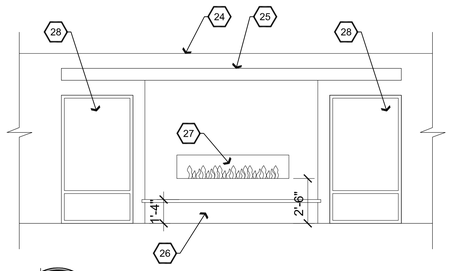
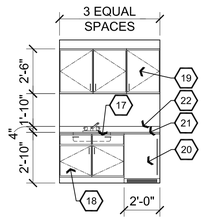
A9.3

Jul 21, 2017 - 9:33am



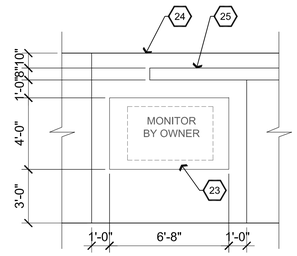
A4 West Elevation Fireplace

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



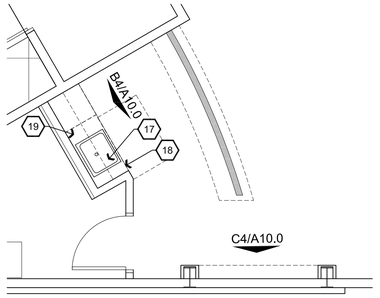
B4 West Elevation

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



C4 South Elevation

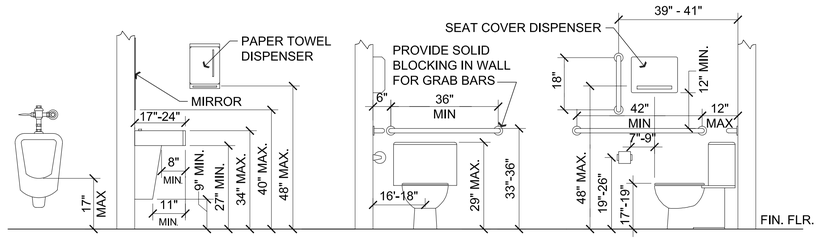
Scale: 1/4"=1'-0"



D4 West Elevation

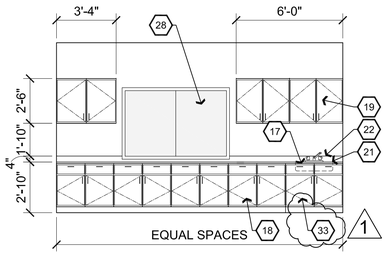
Scale: 1/4"=1'-0"

Plan North



A3 Typical Fixture Mounting Heights for ADA

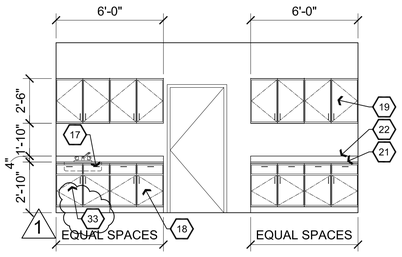
Scale: 1/2"=1'-0"



C3 West Elevation

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

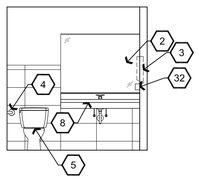
Plan North



D3 West Elevation

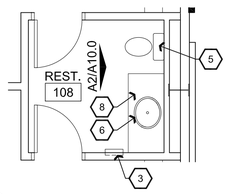
Scale: 1/4"=1'-0"

Plan North



A2 Restroom 108

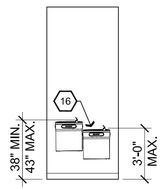
Scale: 1/4"=1'-0"



B2 Restroom 108

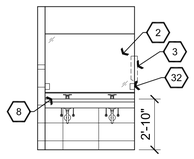
Scale: 1/4"=1'-0"

Plan North



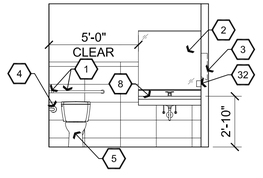
C2 West Elevation

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



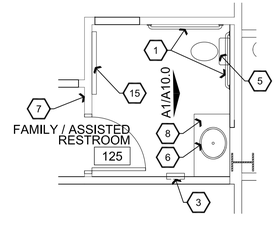
D2 West Elevation

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



A1 Family / Assisted Restroom 125

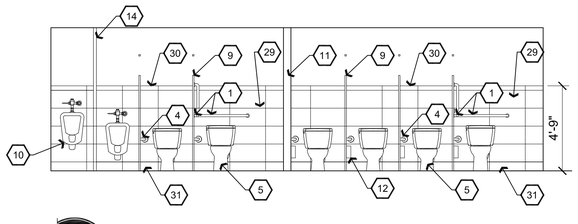
Scale: 1/4"=1'-0"



B1 Family / Assisted Restroom 125

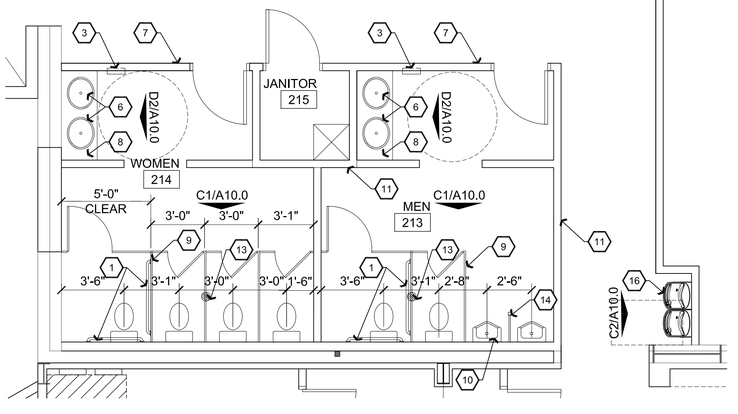
Scale: 1/4"=1'-0"

Plan North



C1 South Elevation

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



D1 Second Floor Restroom Plan 213, 214

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

Plan North

Descriptive Keynotes

1. PROVIDE 1-1/2" DIAMETER GRAB BARS PER A.D.A. REQUIREMENTS, 42" LONG AT SIDE OF WATER CLOSET / 36" LONG AT REAR OF WATER CLOSET / 18" VERTICAL GRAB BAR, PROVIDE SOLID BLOCKING. TA-3
2. PROVIDE 1/4" PLATE MIRROR FULL LENGTH OF WALL ABOVE VANITY TOP.
3. PROVIDE PAPER TOWEL DISPENSER. TA-1
4. PROVIDE TOILET PAPER HOLDER. TA-2
5. PROVIDE FLOOR MOUNTED WATER CLOSET, REFER TO PLUMBING DRAWINGS.
6. PROVIDE SELF-RIMMING LAVATORY IN SOLID SURFACE COUNTER TOP, INSULATE PIPES, REFER TO PLUMBING DRAWINGS.
7. PROVIDE ACCESSIBILITY SIGNAGE MOUNTED PER A.D.A. REQUIREMENTS.
8. PROVIDE SOLID SURFACE COUNTER TOP. SS-1
9. PROVIDE HEAD RAIL-BRACED TOILET PARTITION. TP-1
10. PROVIDE WALL HUNG URINAL, REFER TO PLUMBING PLANS.
11. INTERIOR WALL - REFER TO WALL TYPES PLAN.
12. PROVIDE SANITARY NAPKIN DISPOSAL. TA-4
13. PROVIDE FLOOR DRAIN, REFER TO PLUMBING PLANS.
14. PROVIDE 2"X2" FLOOR TO CEILING URINAL SCREEN POST.
15. PROVIDE ADA COMPLIANT BABY CHANGING TABLE, INSTALL PER MANUFACTURER INSTRUCTIONS, PROVIDE SOLID BLOCKING. TA-5
16. ADA COMPLIANT DRINKING FOUNTAIN REFER TO PLUMBING PLANS.
17. PROVIDE SINGLE COMPARTMENT SINK. REFER TO PLUMBING PLANS.
18. PROVIDE PLASTIC LAMINATE BASE CABINETRY. PL-2
19. PROVIDE PLASTIC LAMINATE UPPER CABINETRY. PL-2
20. UNDER COUNTER REFRIGERATOR/FREEZER BY OWNER.
21. PROVIDE PLASTIC LAMINATE COUNTERTOP WITH PVC EDGE BANDING. PL-1
22. PROVIDE 4" PLASTIC LAMINATE BACKSPLASH. PL-1
23. PROVIDE 9" RECESSED NICHE BETWEEN COLUMNS FOR MONITOR.
24. OPEN GRID CEILING. CGR-1
25. GPDW DROPPED CEILING, REFER TO CEILING FRAMING PLANS.
26. GPDW FINISHED 16" RAISED HEARTH, WITH TOP OF HEARTH BY OWNER, REFER TO DETAIL A3/A12.1.
27. 6' OPENING, GAS FIREPLACE. REFER TO MANUFACTURERS WRITTEN INSTRUCTIONS FOR INSTALLATION. FP-1
28. WINDOW, REFER TO WINDOW TYPES.
29. PROVIDE CERAMIC TILE, REFER TO MATERIALS SCHEDULE. CT-2
30. PROVIDE CERAMIC TILE BULLNOSE, REFER TO MATERIALS SCHEDULE. CT-4
31. PROVIDE CERAMIC TILE COVE BASE, REFER TO MATERIALS SCHEDULE. CT-3
32. PROVIDE SOAP DISPENSER. TA-6
33. PROVIDE HANDICAP ACCESSIBLE CABINETRY FOR SINK. CABINET DOORS TO OPEN TO BARRIER FREE ACCESSIBILITY TO SINK.

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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ARCHITECTURE & PLANNING

DRAWING: ENLARGED PLANS AND INTERIOR ELEVATIONS

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

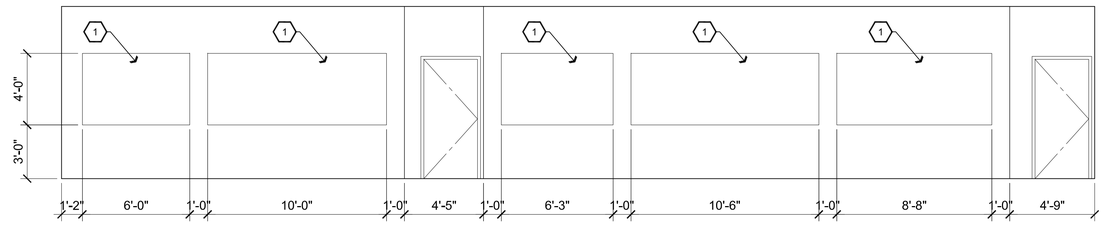
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET:

A10.0

Jul 21, 2017 - 9:34am

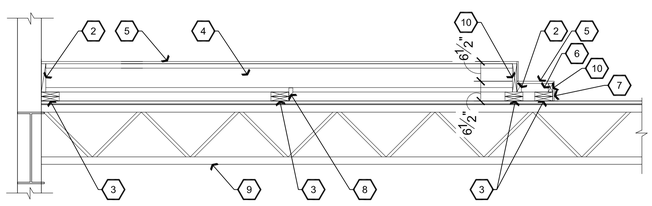
Descriptive Keynotes

1. PROVIDE 1'-0" RECESSED NICHE.
2. PROVIDE 2x SOLID BLOCKING.
3. PROVIDE DOUBLE 2x6 PLATE.
4. PROVIDE 9 1/2" TJI 110 SERIES (OR EQUAL) FLOOR JOISTS @ 24" O.C.
5. PROVIDE 3/4" OSB SUBFLOORING GLUED AND SCREWED.
6. PROVIDE 2x JOISTS (#2 D.F.) @ 16" O.C.
7. PROVIDE (2) EQUAL IN HEIGHT RISERS.
8. PROVIDE SIMPSON H2.5A HURRICANE TIE.
9. FLOOR JOIST, REFER TO STRUCTURAL PLANS.
10. PROVIDE 2x RIM JOIST.
11. INTERIOR WALL, REFER TO WALL TYPES PLAN.



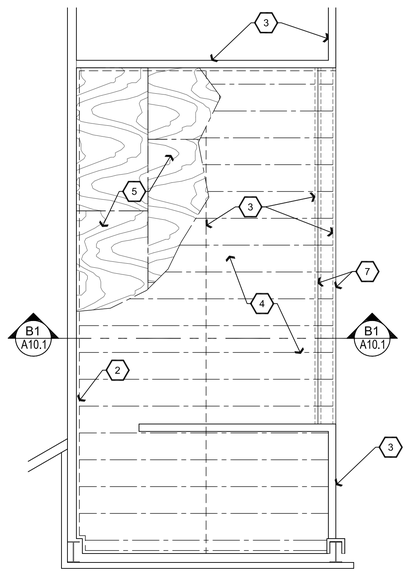
B2 Corridor / Lobby North Elevation 200

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



B1 Platform Section

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



C1 Platform Floor Framing Plan

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

Plan North

REVISIONS | BY
1 TOWN OF PV COMMENTS 07-13-2017 | LO

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DATE: June 5th, 2017
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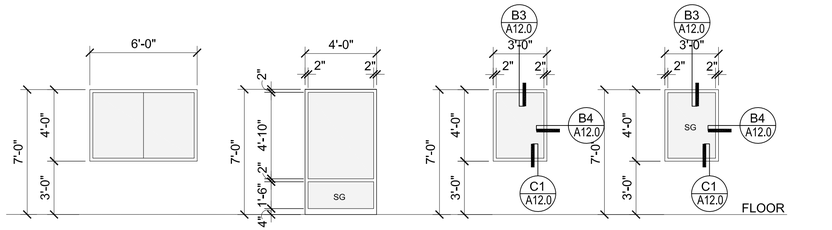
SHEET:

A10.1

Jul 24, 2017 - 8:43am

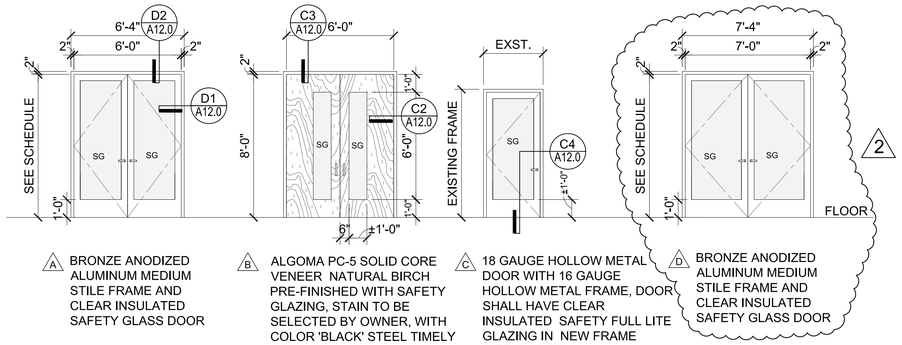


A BRONZE ANODIZED ALUMINUM HORIZONTAL SLIDER WITH INSULATED GLAZING TO MATCH EXISTING W-1

B BRONZE ANODIZED ALUMINUM STOREFRONT FRAME WITH CLEAR INSULATED GLAZING

C BRONZE ANODIZED ALUMINUM STOREFRONT FIXED WINDOW WITH CLEAR GLAZING

D BRONZE ANODIZED ALUMINUM STOREFRONT FIXED WINDOW WITH CLEAR SAFETY GLAZING

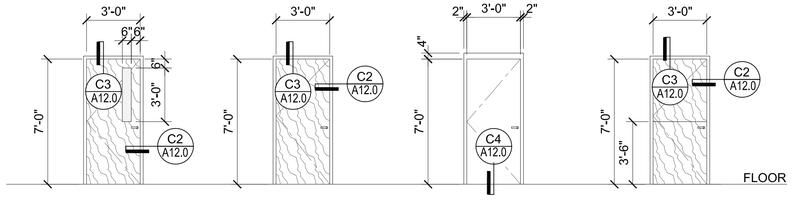


A BRONZE ANODIZED ALUMINUM MEDIUM STILE FRAME AND CLEAR INSULATED SAFETY GLASS DOOR

B ALGOMA PC-5 SOLID CORE VENEER NATURAL BIRCH PRE-FINISHED WITH SAFETY GLAZING, STAIN TO BE SELECTED BY OWNER, WITH COLOR 'BLACK' STEEL TIMELY DOOR FRAME.

C 18 GAUGE HOLLOW METAL DOOR WITH 16 GAUGE HOLLOW METAL FRAME, DOOR SHALL HAVE CLEAR INSULATED SAFETY FULL LITE GLAZING IN NEW FRAME (VERIFY SIZE)

D BRONZE ANODIZED ALUMINUM MEDIUM STILE FRAME AND CLEAR INSULATED SAFETY GLASS DOOR

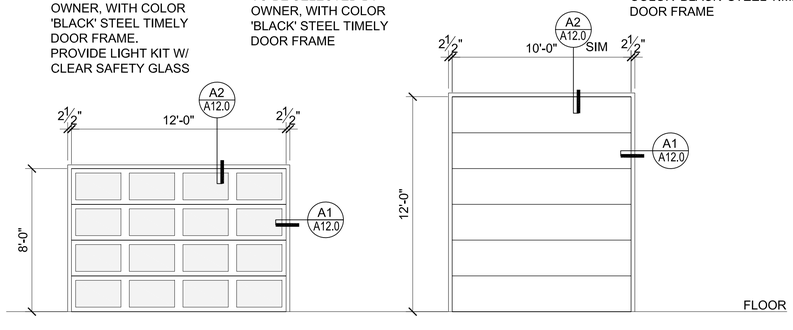


D ALGOMA PC-5 SOLID CORE VENEER NATURAL BIRCH PRE-FINISHED, STAIN TO BE SELECTED BY OWNER, WITH COLOR 'BLACK' STEEL TIMELY DOOR FRAME. PROVIDE LIGHT KIT W/ CLEAR SAFETY GLASS

E ALGOMA PC-5 SOLID CORE VENEER NATURAL BIRCH PRE-FINISHED, STAIN TO BE SELECTED BY OWNER, WITH COLOR 'BLACK' STEEL TIMELY DOOR FRAME

F 18 GAUGE HOLLOW METAL DOOR WITH 16 GAUGE HOLLOW METAL FRAME

G ALGOMA PC-5 SOLID CORE VENEER NATURAL BIRCH DUTCH DOOR, PRE-FINISHED, STAIN TO BE SELECTED BY OWNER, WITH COLOR 'BLACK' STEEL TIMELY DOOR FRAME



H ANODIZED BRONZE OVERHEAD DOOR WITH CLEAR INSULATED SAFETY GLAZING, PROVIDE MANUAL OPERATOR

J SECTIONAL 'FULL' VERTICAL LIFT DOOR, PROVIDE MANUAL OPERATOR

A1 Window and Door Types

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

Door Schedule

NO.	ROOM NAME	SIZE	TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HARDWARE TYPE
100A	LOBBY	(2) 3'-6"x7'-0"	D	GLASS	ANODIZED BRONZE	ALUMINUM	ANODIZED BRONZE	5
102A	VESTIBULE	(2) 3'-0"x8'-0"	A	GLASS	ANODIZED BRONZE	ALUMINUM	ANODIZED BRONZE	1
102B	VESTIBULE	(2) 3'-0"x8'-0"	A	GLASS	ANODIZED BRONZE	ALUMINUM	ANODIZED BRONZE	3
102C	VESTIBULE	(2) 3'-0"x8'-0"	A	GLASS	ANODIZED BRONZE	ALUMINUM	ANODIZED BRONZE	3
102D	VESTIBULE	(2) 3'-0"x8'-0"	A	GLASS	ANODIZED BRONZE	ALUMINUM	ANODIZED BRONZE	2
102E	VESTIBULE	(2) 3'-0"x8'-0"	A	GLASS	ANODIZED BRONZE	ALUMINUM	ANODIZED BRONZE	4
102F	VESTIBULE	(2) 3'-0"x8'-0"	A	GLASS	ANODIZED BRONZE	ALUMINUM	ANODIZED BRONZE	4
103A	HVAC	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
106A	HVAC / JANITOR	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
107A	TODDLERS	3'-0"x7'-0"	G	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	11
107B	TODDLERS EXTERIOR	3'-0"x7'-0"	F	H.M.	PAINT	H.M.	PAINT	13
108A	RESTROOM	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	10
108B	RESTROOM	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	10
109A	NURSERY	3'-0"x7'-0"	G	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	11
110A	HVAC/STORAGE	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
111A	STORAGE	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
113A	VESTIBULE	(2) 3'-0"x8'-0"	A	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	12
113B	VESTIBULE	(2) 3'-0"x8'-0"	A	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	12
113C	VESTIBULE	(2) 3'-0"x8'-0"	A	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	12
113D	VESTIBULE	(2) 3'-0"x8'-0"	A	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	12
114A	VESTIBULE	(2) 3'-0"x8'-0"	A	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	12
114B	VESTIBULE	(2) 3'-0"x8'-0"	A	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	12
114C	VESTIBULE	(2) 3'-0"x8'-0"	A	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	12
114D	VESTIBULE	(2) 3'-0"x8'-0"	A	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	12
115A	LOBBY	12'-0"x8'-0"	H	STEEL/GLASS	PAINT	STEEL	PAINT	
117A	ELEVATOR EQUIPMENT	3'-0"x7'-0"	F	H.M.	PAINT	H.M.	PAINT	23
118A	SIGN UP	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	10
124A	STORAGE	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
124B	STORAGE	(2) 3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	7
125A	FAMILY RESTROOM	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	8
127A	SPECIAL NEEDS	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	9
127B	SPECIAL NEEDS EXTERIOR	3'-0"x7'-0"	C	H.M. / GLASS	PAINT	H.M.	PAINT	13
128A	NORTH EXIT	3'-0"x7'-0"	C	H.M. / GLASS	PAINT	H.M.	PAINT	13
134A	SANCTUARY	10'-0"x12'-0"	J	STEE.L	PAINT	STEEL	PAINT	
201A	CLASSROOM	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	18
202A	CLASSROOM	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	18
203A	STORAGE	(2) 3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	17
204A	STORAGE	(2) 3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	17
205A	STORAGE	(2) 3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	17
206A	STORAGE	(2) 3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	17
207A	CLASSROOM	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	19
207B	CLASSROOM	(2) 3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	20
208A	STORAGE	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
210A	STORAGE	(2) 3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	17
211A	VIDEO	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	16
212A	WORKROOM/STORAGE	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	15
212B	WORKROOM/STORAGE	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	15
213A	MEN	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	14
214A	WOMEN	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	14
215A	JANITOR	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
218A	CLASSROOM	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	18
219A	ATTIC ACCESS	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
220A	CORRIDOR	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	22
221A	STORAGE	(2) 3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	17
222A	STORAGE	(2) 3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	17
223A	CLASSROOM	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	18
224A	STORAGE	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
225A	CLASSROOM	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	18
226A	STORAGE	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
228A	CLASSROOM	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	18
228B	STORAGE	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	6
228C	RESTROOM	3'-0"x7'-0"	E	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	21
229A	CLASSROOM	3'-0"x7'-0"	D	S.C. WOOD	PRE-FINISHED STAIN	STEEL	PAINT	18

DOOR NOTES:

1. ALL EXIT DOORS & HARDWARE SHALL COMPLY WITH THE 2012 I.B.C.
2. DOOR THRESHOLDS SHALL HAVE A MAX HEIGHT OF 1/2" FOR H.C. ACCESSIBILITY. THRESHOLD SHALL HAVE A MAXIMUM RISE OF 1/4" AND 1/2" RISE WHEN BEVELED WITH MAXIMUM 1:2 SLOPE.
3. ALL GLAZING IN DOORS SHALL BE SAFETY GLAZING.
4. ALL INTERIOR DOORS SHALL BE OPERABLE FOR EMERGENCY EXITING PURPOSES WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE NOR EFFORT.
5. ALL GLAZING WITHIN 24" OF OPENINGS SHALL BE SAFETY GLASS.
6. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
7. DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. HARDWARE REQUIRED FOR DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISH FLOOR.
8. DOOR OPENING FORCE SHALL BE: 5lbf MAX INTERIOR HINGED, SLIDING OR FOLDING DOORS; FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.

NOTE:
SG = SAFETY GLAZING
REFER TO 2012 IBC FOR ADDITIONAL SAFETY GLAZING REQUIREMENTS.

NOTE:
ALL GLAZING WITHIN 24" OF OPENINGS
SHALL BE SAFETY GLAZING

REVISIONS	BY
2 TOWN OF PV COMMENTS 08-03-2017	LO

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ARCHITECTURE & PLANNING

DRAWING: DOOR SCHEDULE, DOOR & WINDOW TYPES

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: A11.0

Aug 08, 2017 - 3:39pm

LIFE POINTE CHURCH
DOOR HARDWARE SUBMITTAL

HW SET #1
DOORS = 102A PAIR (6'0 X 8'0 X 1 ¾") ALD X MF

QTY	DESCRIPTION	MANUFACTURER
1	EXIT SVR 2203CD x CA-03 RHRB 613	PRECISION
1	EXIT SVR 2203CD x LHRB 613	PRECSION
2	OFFSET PULLS 8190HD-0 613	IVES
1	RIM CYLINDER 12E72 S2 RP 613	BEST
2	MORTISE CYLINDER 1E74 C4 RP3 613	BEST
3	PERM CORE KEYED TO SYSTEM	BEST
1	ADA LOW ENERGY OPERATOR 4642 DKBRZ	LCN
1	RF BUTTON PACKAGE - CTP-H	MS SEDCO
1	CLOSER QDC119 690 EDA ARM W/ SPRING STOP	STANLEY
1	DROP PLATE QDC100 PA 690	STANLEY

*BALANCE OF HARDWARE BY ALUM DOOR SUPPLIER

HW SET #2
DOORS = 102D PAIR (6'0 X 8'0 X 1 ¾") ALD X ALF

QTY	DESCRIPTION	MANUFACTURER
2	PUSH/PULL 9190HD X 8190HD-0 613	IVES
1	ADA LOW ENERGY OPERATOR 4642 DKBRZ	LCN
1	RF BUTTON PACKAGE - CTP-H	MS SEDCO
1	CLOSER QDC119 690 EDA ARM W/ SPRING STOP	STANLEY
1	DROP PLATE QDC100 PA 690	STANLEY

*BALANCE OF HARDWARE BY ALUM DOOR SUPPLIER

HW SET #3
DOORS = 102B PAIR (6'0 X 8'0 X 1 ¾") ALD X MF ; 102C PAIR (6'0 X 8'0 X 1 ¾") ALD X MF

QTY	DESCRIPTION	MANUFACTURER
2	EXIT SVR 2203CD x 613	PRECSION
2	OFFSET PULLS 8190HD-0 613	IVES
2	MORTISE CYLINDER 1E74 C4 RP3 613	BEST
2	PERM CORE KEYED TO SYSTEM	BEST
2	CLOSER QDC119 690 EDA ARM W/ SPRING STOP	STANLEY
2	DROP PLATE QDC100 690	STANLEY

*BALANCE OF HARDWARE BY ALUM DOOR SUPPLIER

HW SET #4
DOORS = 102E PAIR (6'0 X 8'0 X 1 ¾") ALD X ALF; 102F PAIR (6'0 X 8'0 X 1 ¾") ALD X ALF

QTY	DESCRIPTION	MANUFACTURER
2	PUSH/PULL 9190HD X 8190HD-0 613	IVES
2	CLOSER QDC119 690 EDA ARM W/ SPRING STOP	STANLEY
2	DROP PLATE QDC100 PA 690	STANLEY

*BALANCE OF HARDWARE BY ALUM DOOR SUPPLIER

HW SET #5
DOORS = 100A PAIR (6'0 X 7'0 X 1 ¾") ALD X ALF

QTY	DESCRIPTION	MANUFACTURER
1	EXIT SVR 2203CD x CA-03 RHRB 613	PRECISION
1	EXIT SVR 2203CD x LHRB 613	PRECSION
2	OFFSET PULLS 8190HD-0 613	IVES
1	RIM CYLINDER 12E72 S2 RP 613	BEST
2	MORTISE CYLINDER 1E74 C4 RP3 613	BEST
3	PERM CORE KEYED TO SYSTEM	BEST
2	CLOSER QDC119 690 EDA ARM W/ SPRING STOP	STANLEY
2	DROP PLATE QDC100 PA 690	STANLEY

*BALANCE OF HARDWARE BY ALUM DOOR SUPPLIER

HW SET #6
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
103A;106A; 110A; 111A; 124A; 215A; 224A; 226A; 208A; 219A; 228B

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	STOREROOM LOCK 7KC3 7D 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	WALL STOP WS402CCV 613	IVES
3	SILENCERS SR64 GRY	IVES

HW SET #7
DOORS = PAIR (6'0 X 7'0 X 1 ¾") SCW X HMF
124B

QTY	DESCRIPTION	MANUFACTURER
6	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	STOREROOM LOCK 7KC3 7D 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	MANUAL EXT. FLUSHBOLT FB458-12" 613	IVES
1	DUST PROOF STRIKE DP2 613	IVES
2	WALL HOLDERS WS40 613	IVES
6	SILENCERS SR64 GRY	IVES

HW SET #8
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
125A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	PASSAGE 7KC3 0N 16D S3 613	BEST
1	INDICATOR BOLT B571 613	SCHLAGE
1	WALL STOP WS402CCV 613	IVES
3	SILENCERS SR64 GRY	IVES

HW SET #9
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
127A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	ENTRY LOCK 7KC3 7AB 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	CLOSER QDC118 690 EDA ARM W/ HO & STOP	STANLEY
3	SILENCERS SR64 GRY	IVES

HW SET #10
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
108A; 108B; 118A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	PASSAGE 7KC3 0N 16D S3 613	BEST
1	WALL STOP WS402CCV 613	IVES
3	SILENCERS SR64 GRY	IVES

HW SET #11 -
DOORS = DUTCH SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
107A; 109A

QTY	DESCRIPTION	MANUFACTURER
4	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	ENTRY 7KC3 7AB 16D S3 613	BEST
1	MANUAL EXT BOLT FB458-12" 613 (to be used in lieu of dutch door slide)	IVES
1	WALL STOP WS40 613	IVES
3	SILENCERS SR64 GRY	IVES

HW SET #12
DOORS = PAIRS (6'0 X 7'0 X 1 ¾") SCW X HMF
113A; 113B; 113C; 113D; 114A; 114B; 114C; 114D

QTY	DESCRIPTION	MANUFACTURER
8	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
2	PUSH PLATES 8200 6" X 16" 613	IVES
2	PULL PLATES 8302-10 6" X 16" 613	IVES
2	HOLD OPEN CLOSERS QDC118 690	STANLEY
3	SILENCERS SR64 GRY	IVES

HW SET #13
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") HMD X HMF
107B; 127B; 128A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" NRP 613	STANLEY
1	RIM EXIT DEVICE QED312 X QET375 SP313	STANLEY
1	MORTISE CYLINDER 1E74 C4 RP3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	CLOSER QDC119 690 EDA ARM W/ SPRING STOP	STANLEY
1	WEATHERSTRIP 303DS 3684	PEMKO
1	THRESHOLD 170D 36"	PEMKO
1	DOOR SWEEP 2221DV 36"	PEMKO

HW SET #14
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
213A; 214A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	PUSH PLATES 8200 6" X 16" 613	IVES
1	PULL PLATES 8302-10 6" X 16" 613	IVES
1	CLOSERS QDC111 690	STANLEY
3	SILENCERS SR64 GRY	IVES
1	FLOOR STOP FS436 613	IVES

HW SET #15
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
212A; 212B

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	ENTRY 7KC3 7AB 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	WALL STOP WS402CCV 613	IVES
3	SILENCERS SR64 GRY	IVES

HW SET #16
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
211A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	ENTRY 7KC3 7AB 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	CLOSER QDC111 690	STANLEY
1	WALL STOP WS402CCV 613	IVES
3	SILENCERS SR64 GRY	IVES

HW SET #17
DOORS = PAIRS (6'0 X 7'0 X 1 ¾") SCW X HMF
205A; 206A; 203A; 204A; 210A; 221A; 222A

QTY	DESCRIPTION	MANUFACTURER
6	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	ENTRY 7KC3 7AB 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	FLUSH BOLT FB458-12 EXT TOP BOLT ONLY 613	IVES
3	SILENCERS SR64 GRY	IVES

HW SET #18
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
201A; 202A; 218A; 223A; 235A; 228A; 229A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	ENTRY 7KC3 7AB 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	WALL STOP WS402CCV 613	IVES
3	SILENCERS SR64 GRY	IVES

HW SET #19
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
207A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	ENTRY 7KC3 7AB 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	CLOSER HOLD OPEN QDC118 690	STANLEY
3	SILENCERS SR64 GRY	IVES

HW SET #20
DOORS = PAIR (6'0 X 7'0 X 1 ¾") SCW X HMF
207B

QTY	DESCRIPTION	MANUFACTURER
6	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
2	EXIT SVR 2208LBR X 4908B 613	PRECISION
2	RIM CYLINDER 12-E72 613	BEST
2	PERM CORE KEYED TO SYSTEM	BEST
2	CLOSER HOLD OPEN QDC118 690	STANLEY
3	SILENCERS SR64 GRY	IVES

HW SET #21
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
228C

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	PRIVACY 7KC3 0L 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	WALL STOP 402CCV 613	IVES
3	SILENCERS SR64 GRY	IVES

HW SET #22
DOORS = SINGLES (3'0 X 7'0 X 1 ¾") SCW X HMF
220A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB179 4 ½" X 4 ½" 613	STANLEY
1	PASSAGE 7KC3 0N 16D S3 613	BEST
1	WALL STOP WS402CCV 613	BEST
1	CLOSER QDC111 690	STANLEY
3	SILENCERS SR64 GRY	IVES

HW SET #23
DOOR = SINGLE (3'0 X 7'0 X 1 ¾") HMD X HMF
117A

QTY	DESCRIPTION	MANUFACTURER
3	HINGES FBB170 4 ½" X 4 ½" NRP 613	STANLEY
1	STOREROOM 9K3 7D 16D S3 613	BEST
1	PERM CORE KEYED TO SYSTEM	BEST
1	OVERHEAD HOLDER 904H 313	GLYNN JOHNSON
1	WEATHER-STRIP 303DS 36" X 84"	PEMKO
1	SWEEP 315DN – 36"	PEMKO
1	THRESHOLD 170D 4" X 36" X 1/2"	PEMKO

REVISIONS	BY

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ARCHITECTURE & PLANNING

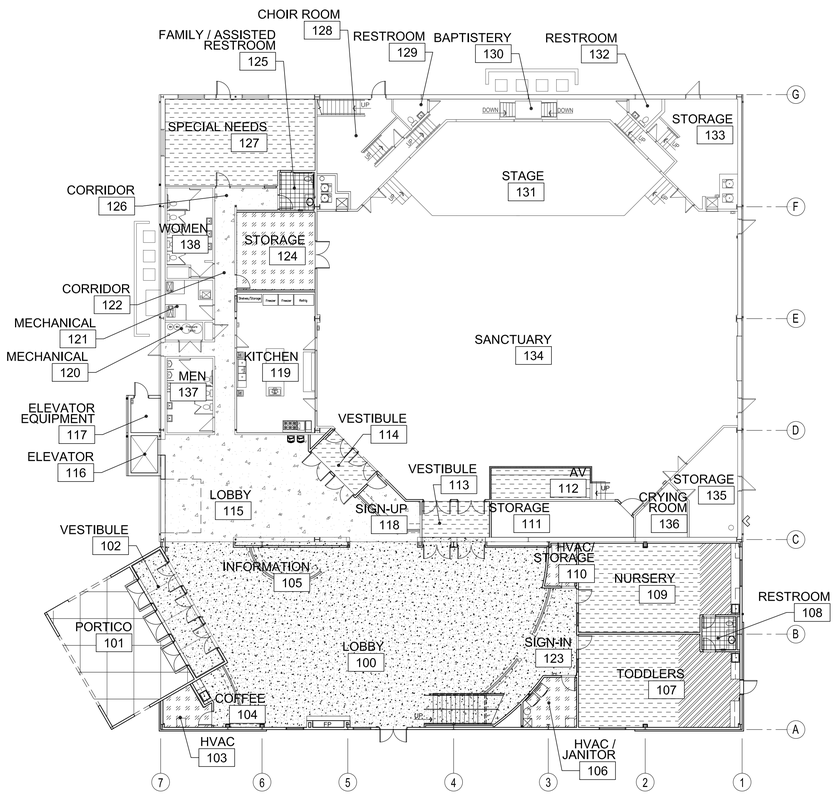
DRAWING: Hardware Schedule

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	June 5th, 2017
JOB NO.	684
SHEET	A11.1

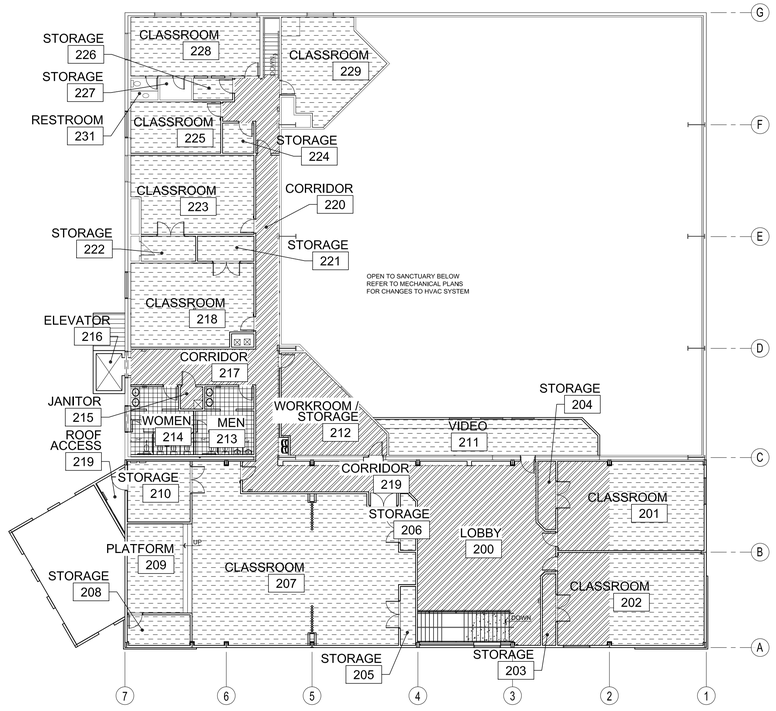
Jun 02, 2017 - 1:13pm



A1 First Floor Finish Plan

Scale: 1/16"=1'-0"

Plan North



A2 Second Floor Finish Plan

Scale: 1/16"=1'-0"

Plan North

Room Finish Schedule First Floor

NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	HEIGHT
100	LOBBY	F1	B1	W1	C1 / C3	9'-6"
101	PORTICO	F8	B3	W7	C5	23'-0" / 8'-6"
102	VESTIBULE	F1	B1	W1	C3	8'-6"
103	HVAC	F8	B1	W1	C3	8'-0"
104	COFFEE	F1	B1	W1	C3	8'-0"
105	INFORMATION	F1	B1	W1	C3	8'-0"
106	HVAC/JANITOR	F8	B1	W1/W2	C3	8'-0"
107	TODDLERS	F2 / F3	B1	W1	C2	9'-6"
108	RESTROOM	F4	B2	W1/W3	C3	8'-6"
109	NURSERY	F2/ F3	B1	W1	C2	9'-6"
110	HVAC/STORAGE	F8	B1	W1	C3	8'-0"
111	STORAGE	F5	B1	W1	C4	-
112	AV	F2	B1	W1	C7	-
113	VESTIBULE	F2	B1	W1	C3	8'-6"
114	VESTIBULE	F2	B1	W1	C3	8'-6"
115	LOBBY	F6	B1	W1	C1	9'-6"
116	ELEVATOR	F7	B4	W5	C6	-
117	ELEVATOR EQUIPMENT	F8	B3	W4	C4	-
118	SIGN-UP	F6	B1	W1	C3	8'-0"
119	KITCHEN	F5	B1/B5	W1/W6	C7	EXST
120	MECHANICAL	F5	B5	W6	C7	EXST
121	MECHANICAL	F5	B5	W6	C7	EXST
122	CORRIDOR	F6	B5	W6	C7	EXST
123	SIGN IN	F1	B1	W1	C3	8'-0"
124	STORAGE	F5	B1/B5	W1/W6	C7	EXST
125	FAMILY / ASSISTED RESTROOM	F4	B2	W1/W3	C7	EXST
126	CORRIDOR	F6	B5	W1/W6	C7	EXST
127	SPECIAL NEEDS	F2	B1	W1/W6	C7	EXST
128	CHOIR ROOM	F5	B5	W6	C7	EXST
129	RESTROOM	F5	B5	W6	C7	EXST
130	BAPTISTERY	F5	B5	W6	C7	EXST
131	STAGE	F5	B5	W6	C7	EXST
132	RESTROOM	F5	B5	W6	C7	EXST
133	STORAGE	F5	B5	W6	C7	EXST
134	SANCTUARY	F5	B5	W6	C7	EXST
135	STORAGE	F5	B5	W6	C7	EXST
136	CRYING ROOM	F5	B5	W6	C7	EXST
137	MEN'S RESTROOM	F5	B5	W6	C7	EXST
138	WOMEN'S RESTROOM	F5	B5	W6	C7	EXST

Room Finish Schedule Second Floor

NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	HEIGHT
200	LOBBY	F3	B1	W1	C2	9'-7 1/2"
201	CLASSROOM	F2 / F3	B1	W1	C2	9'-7 1/2"
202	CLASSROOM	F2 / F3	B1	W1	C2	9'-7 1/2"
203	STORAGE	F3	B1	W1	C3	8'-0"
204	STORAGE	F3	B1	W1	C3	8'-0"
205	STORAGE	F2	B1	W1	C3	8'-0"
206	STORAGE	F2	B1	W1	C3	8'-0"
207	CLASSROOM	F2	B1	W1	C2	9'-7 1/2"
208	STORAGE	F2	B1	W1	C2	8'-6 1/2"
209	PLATFORM	F2	B1	W1	C2	8'-6 1/2"
210	STORAGE	F2	B1	W1	C2	9'-7 1/2"
211	VIDEO	F2	B1	W1	C2	9'-7 1/2"
212	WORKROOM / STORAGE	F3	B1	W1/W6	C2/C7	EXST
213	MEN'S RESTROOM	F4	B2	W1/W3	C3	8'-0"
214	WOMEN'S RESTROOM	F4	B2	W1/W3	C3	8'-0"
215	JANITOR	F3	B1	W1/W2	C3	8'-0"
216	ELEVATOR	-	-	-	-	-
217	CORRIDOR	F3	B1	W1	C2	9'-7 1/2"
218	CLASSROOM	F2	B1	W1/W6	C2	9'-7 1/2"
219	ROOF ACCESS	F9	B1	W1	C4	-
220	CORRIDOR	F3	B1	W1/W6	C2	9'-7 1/2"
221	STORAGE	F2	B1	W1	C3	8'-0"
222	STORAGE	F2	B1	W1	C3	8'-0"
223	CLASSROOM	F2	B1	W1/W6	C2	9'-7 1/2"
224	STORAGE	F2	B1	W1	C3	8'-0"
225	CLASSROOM	F2	B1	W1/W6	C2	9'-7 1/2"
226	STORAGE	F2	B1	W1/W6	C3	8'-0"
227	STORAGE	F5	B1	W6	C7	EXST
228	CLASSROOM	F2	B1	W1/W6	C2	9'-7 1/2"
229	CLASSROOM	F2	B1	W1	W6	C7	EXST
231	RESTROOM	F5	B5	W6	C7	EXST

Legend

- STAINED CONCRETE
- EXISTING STAINED CONCRETE
- UNSTAINED CONCRETE
- LUXURY VINYL TILE
- CARPET
- 12x12 CERAMIC TILE
- EXISTING TO REMAIN

FLOOR:

- F1 STAINED CONCRETE WITH CLEAR SEALER TO MATCH EXISTING
- F2 CARPET [CPT-1]
- F3 LUXURY VINYL TILE [LVT-1]
- F4 CERAMIC TILE [CT-1]
- F5 EXISTING
- F6 EXISTING STAINED CONCRETE WITH CLEAR SEALER
- F7 AS SELECTED BY ARCHITECT / OWNER
- F8 UNFINISHED CONCRETE
- F9 UNFINISHED SHEATHING

BASE:

- B1 RUBBER BASE [RB-1]
- B2 CERAMIC TILE [CT-3]
- B3 NONE
- B4 AS SELECTED BY ARCHITECT / OWNER
- B5 EXISTING

WALLS:

- W1 PAINTED 5/8" GPDW
- W2 4'-0" F.R.P. WAINSCOT [FRP-1]
- W3 CERAMIC TILE WAINSCOT [CT-2] [CT-4]
- W4 PAINTED CMU
- W5 AS SELECTED BY ARCHITECT / OWNER
- W6 EXISTING
- W7 EIFS

CEILING:

- C1 2x2 SUSPENDED OPEN GRID [CGR-1]
- C2 2x2 SUSPENDED ACOUSTICAL PANELS [ACT-1]
- C3 PAINTED 5/8" GPDW
- C4 OPEN TO STRUCTURE ABOVE
- C5 METAL PANELS [M-5]
- C6 AS SELECTED BY ARCHITECT / OWNER
- C7 EXISTING

REVISIONS	BY

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REGISTERED ARCHITECT
CERTIFICATE NO.
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Date Signed 06/30/17
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ARCHITECTURE & PLANNING

DRAWING: FINISH PLAN AND SCHEDULE

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET: A11.2

Jun 02, 2017 - 4:22pm

Interior Materials Schedule

CODE	MATERIAL	LOCATION	MANUFACTURER	SPECIFICATION
ACT-1	ACOUSTICAL CEILING TILE	REFER TO REFLECTED CEILING PLAN	ROCKFON	ASTM E1264; 2'x2'x5/8" #600 NON DIRECTIONAL SQUARE LAY IN TILE 15/16" SUSPENDED METAL T-BAR GRID, COLOR TO BE SELECTED BY OWNER
AP-1	ACCORDION PARTITION	CLASSROOM 207	HUFCOR	BLPARTING ACCORDION PARTITION SERIES 3500 SUSPENDED FROM ROOF STRUCTURE
CGR-1	OPEN CEILING GRID	REFER TO REFLECTED CEILING PLAN	ROCKFON	OPEN PLENUM CEILING SYSTEM, BEAM SIZE 1"x1", MODULE SIZE 24"x24" COLOR: WINCHESTER GREY 888
CPT-1	CARPET TILE	REFER TO FLOOR FINISH PLAN	SHAW CONTRACT	BYLINE TILE 59113, COLOR TO BE SELECTED BY OWNER
CT-1	CERAMIC TILE	RESTROOM FLOORS	DALTILE	12x12 FLOOR TILES, STYLE: INDUSTRIAL PARK, COLOR: CHARCOAL GRAY IP09
CT-2	CERAMIC TILE	RESTROOM WALLS	DALTILE	12x24 WALL TILES, STYLE HAUTE MONDE, COLOR ELITE GREY HM05
CT-3	CERAMIC TILE	RESTROOM WALLS	DALTILE	6x12 COVE BASE TILES, STYLE HAUTE MONDE, COLOR ELITE GREY HM05
CT-4	CERAMIC TILE	RESTROOM WALLS	DALTILE	3x24 BULLNOSE TILES, STYLE HAUTE MONDE, COLOR ELITE GREY HM05
FP-1	FIREPLACE	LOBBY	HEAT & GLO	MODEL # MEZZ072, 72" DIRECT VENT GAS FIREPLACE
FRP-1	FIBERGLASS REINFORCED PLASTIC	JANITOR ROOMS		ALMOND
LVT-1	LUXURY VINYL TILE	REFER TO FLOOR FINISH PLAN	EARTHWERKS	WOOD CLASSIC PLANK, COLOR TO BE SELECTED BY OWNER WHERE OCCURS OVER SHEATHING, APPLY 1/4" LUAN SHEATHING OR APPROPRIATE SUBBASE
PL-1	PLASTIC LAMINATE	COUNTERTOPS	WILSONART	COLOR TO BE SELECTED BY OWNER
PL-2	PLASTIC LAMINATE	FACE OF CABINETS	WILSONART	COLOR TO BE SELECTED BY OWNER
PL-3	PLASTIC LAMINATE	RESTROOM COUNTERTOPS	WILSONART	COLOR TO BE SELECTED BY OWNER
PT-1	PAINT	FIELD	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY OWNER
PT-2	PAINT	HANDRAILS	SHERWIN WILLIAMS	COLOR TO MATCH VERTICABLE RAILING, SATIN BLACK
R-1	VERTICAL CABLE RAILING	STAIRS AND GUARD RAIL AT UPSTAIRS LOBBY	VERTICABLE (DIGGER SPECIALTIES, INC.)	VERTICABLE STYLE 680 ALUMINUM RAILING FOR STAIRS AND GUARD RAIL WITH ALUMINUM CONTINUOUS HANDRAIL AT STAIRS. COLOR: SATIN BLACK
RB-1	RUBBER BASE	REFER TO FLOOR FINISH PLAN	FLEXCO	4" COVE, COLOR TO BE SELECTED BY OWNER
SS-1	SOLID SURFACE COUNTERTOPS	RESTROOMS	LG SURFACES	HI-MACS, VENETIAN SAND G42
TA-1	SEMI RECESSED PAPER TOWEL DISPENSER	RESTROOMS	GAMCO	TD-4F COLOR: STAINLESS STEEL
TA-2	SURFACE MOUNTED TOILER PAPER HOLDER	RESTROOMS	GAMCO	7686 COLOR: STAINLESS STEEL
TA-3	GRAB BARS	RESTROOMS	GAMCO	150Sx36, 150Sx48, 150Sx18 COLOR: STAINLESS STEEL
TA-4	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	RESTROOMS	GAMCO	ND-1 COLOR: STAINLESS STEEL
TA-5	BABY CHANGING STATION	RESTROOMS	GAMCO	BCS-2 COLOR: GREY
TA-6	SURFACE MOUNTED HAND SOAP DISPENSER	RESTROOMS	GAMCO	G-16AP COLOR: STAINLESS STEEL
TP-1	TOILET PARTITION	RESTROOMS	ACCURATE PARTITIONS CORP.	HEADRAIL BRACED, BAKED ENAMEL, COLOR TO BE SELECTED BY OWNER

Exterior Materials Schedule

CODE	MATERIAL	LOCATION	MANUFACTURER	SPECIFICATION
CMU-1	CMU	SEATING WALL ON PATIO / ELEVATRO SHAFT & ELEVATOR EQUIPMENT ROOM	YAVAPAI BLOCK	8"x8"x16" CMU
FG-1	RECESSED FLOOR GRATE	PORTICO	BABCOCK-DAVIS	BGD74E, ECO TREAD, ALUMINUM RECESSED FRAME, LEVEL BED, CAST IN PLACE
H-1	ROOF HATCH	PORTICO ROOF	BILCO	TYPE E, 3'-0"x3'-0"
M-1	METAL ROOF PANEL	ROOF	MBCI	PBR METAL PANEL, POLAR WHITE (SIGNATURE 200)
M-2	EXTERIOR METAL WALL PANEL	EXTERIOR WALLS	MBCI	PBR METAL PANEL, MATCH EXISTING OR AS SELECTED BY OWNER / ARCHITECT (SIGNATURE 200)
M-3	DOWNSPOUTS	EXTERIOR	MBCI	26 GAUGE, PRE-PAINTED, COLOR TO MATCH WALL PANELS (SIGNATURE 200)
M-4	RAIN GUTTER	EXTERIOR	MBCI	26 GAUGE, PRE-PAINTED, COLOR TO MATCH WALL PANELS (SIGNATURE 200)
M-5	METAL PANEL	PORTICO CEILING	MBCI	12", 26 GA. ARTISAN METAL SOFFIT PANEL COLOR TO BE SELECTED BY OWNER / ARCHITECT
M-6	RIDGE CAP	EXTERIOR	MBCI	26 GAUGE, PRE-PAINTED, COLOR: POLAR WHITE (SIGNATURE 200)
M-7	RAKE TRIM	EXTERIOR	MBCI	26 GAUGE, PRE-PAINTED, COLOR TO MATCH WALL PANELS
TG-1	TREE GRATE	PATIO AREA NEAR PORTICO	IRONSMITH	MODEL 'ADA' WITH FRAME SIZE: 72"x72" (FIELD VERIFY)
WS-1	SENERGY WALL SYSTEM	AS NOTED ON DRAWING	SENERGY	SENERGY WALL SYSTEM
WS-F1	FINE FINISH	ELEVATOR SHAFT AND EQUIPMENT ROOMS	SENERGY	COLOR AS SELECTED BY OWNER
WS-F2	FINE FINISH	EXTERIOR PORTICO	SENERGY	COLOR AS SELECTED BY OWNER
WS-F3	FINE FINISH	ACCENT WALLS ON BUILDING CORNERS	SENERGY	COLOR AS SELECTED BY OWNER
W-1	WINDOW	EXTERIOR	INTERNATIONAL WINDOWS	ALUMINUM HORIZONTAL SLIDER SERIES 6200 SIZE: 6'-0"x4'-0"

Jun 02, 2017 - 1:18pm

REVISIONS	BY

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ARCHITECTURE & PLANNING

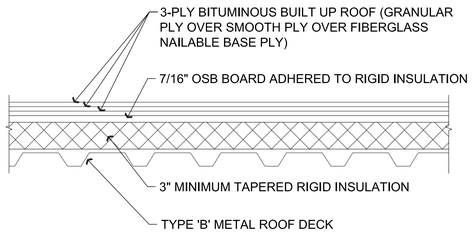
DRAWING: Materials Schedules

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

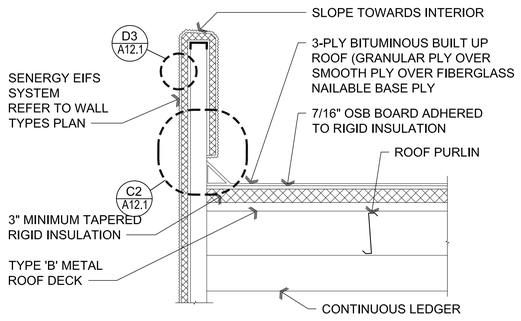
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET:

A11.3



A4 Built-up Roof

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



A3 Parapet at Portico

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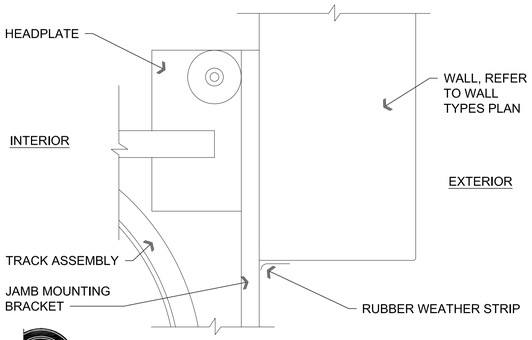
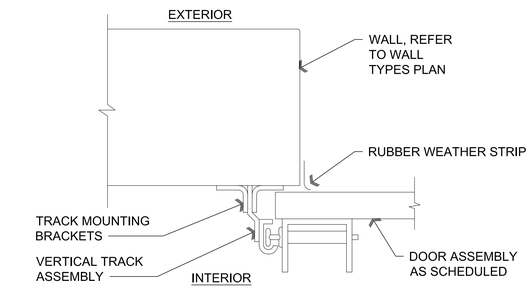


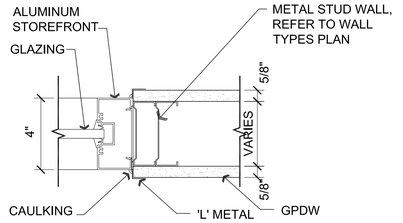
A2 Sectional Overhead Door Head

SCALE: 3" = 1'-0"



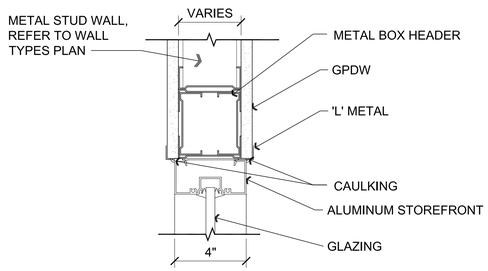
A1 Sectional Overhead Door Jamb

SCALE: 3" = 1'-0"



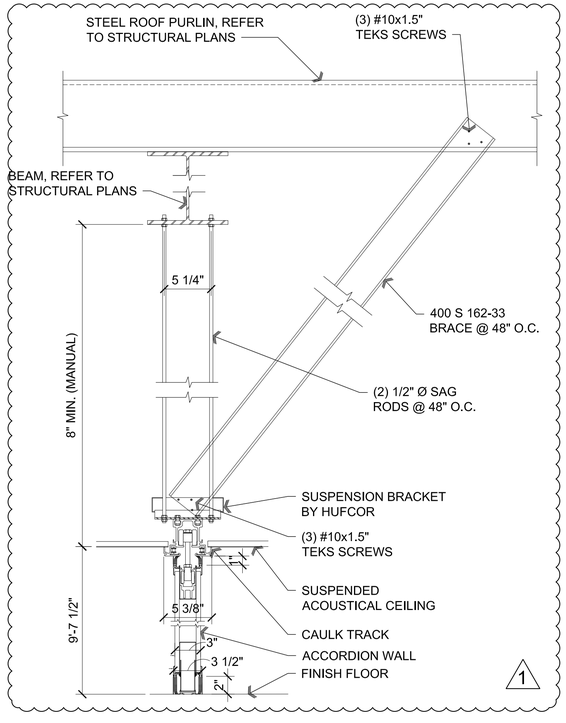
B4 Window Jamb @ Interior Wall

SCALE: 3" = 1'-0"



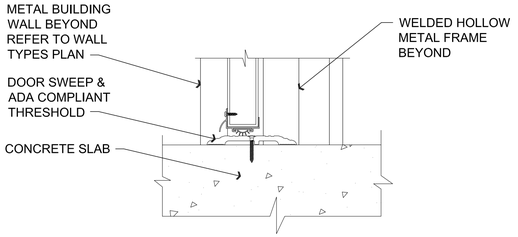
B3 Window Head @ Interior Wall

SCALE: 3" = 1'-0"



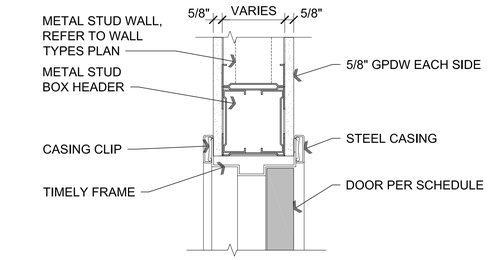
B1 Hufcor Accordion Wall Section

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



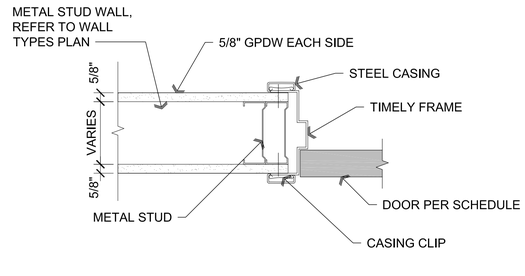
C4 Door Threshold

SCALE: 3" = 1'-0"



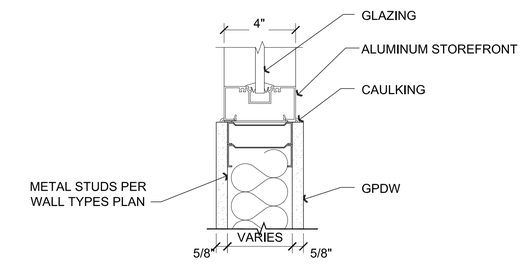
C3 Timely Frame Door Head

SCALE: 3" = 1'-0"



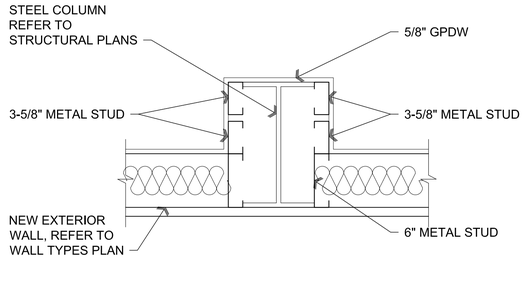
C2 Timely Frame Door Jamb

SCALE: 3" = 1'-0"



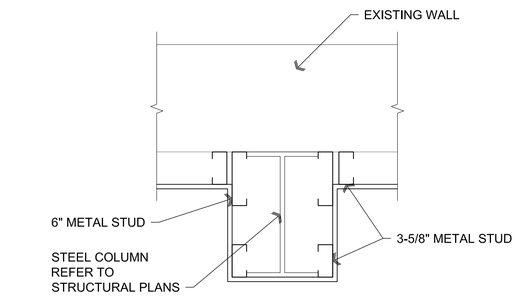
C1 Window Sill @ Interior Wall

SCALE: 3" = 1'-0"



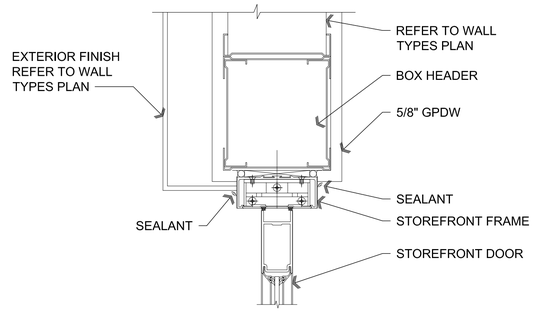
D4 Column at Existing Wall

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



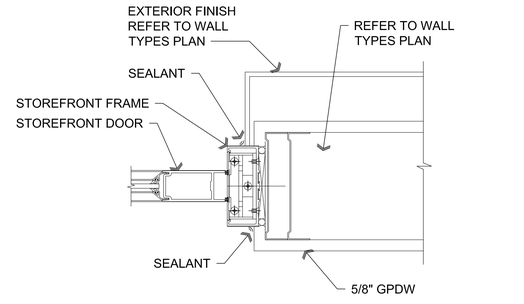
D3 Column at New Wall

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



D2 Door Head

SCALE: 3" = 1'-0"



D1 Door Jamb

SCALE: 3" = 1'-0"

Jul 24, 2017 - 1:48pm

1 REVISIONS BY
TOWN OF PV COMMENTS 07-13-2017 LO

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REGISTERED ARCHITECT
CERTIFICATE NO.
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EXPIRES: 6/30/18

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ARCHITECTURE & PLANNING

DRAWING: DETAILS
PROJECT: Lifepointe Church 10100 E. State Rt. 69 Prescott Valley, AZ 86314
APN: 402-14-047J

DRAWN BY L.O.
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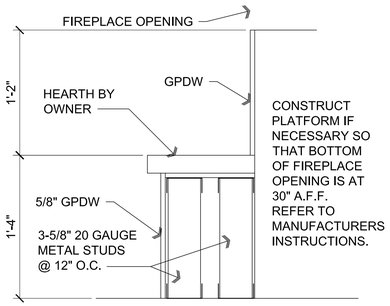
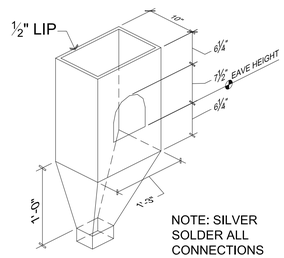
A12.0



A3 Hearth

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



B3 Sheet Metal Conductor Head

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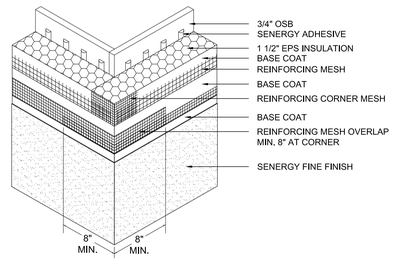
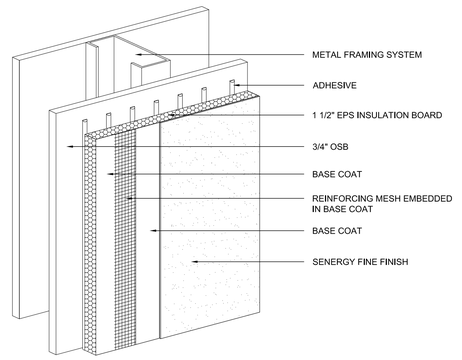


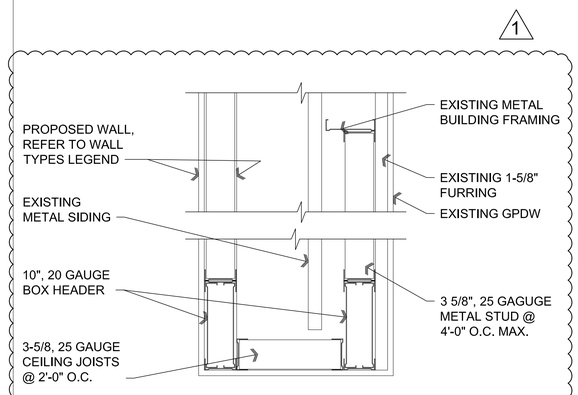
C3 Outside Corner

SCALE: N.T.S.



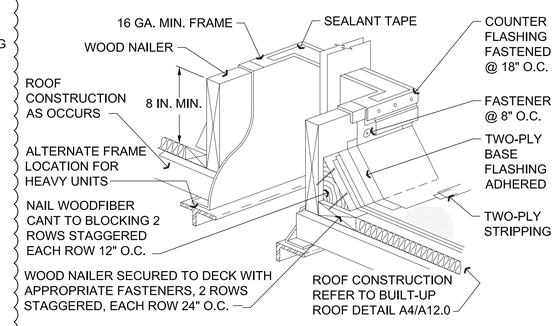
D3 Senergy EIFS System

SCALE: N.T.S.



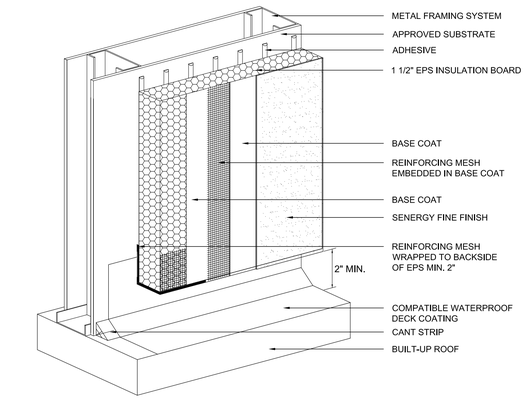
A2 Soffit Detail

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



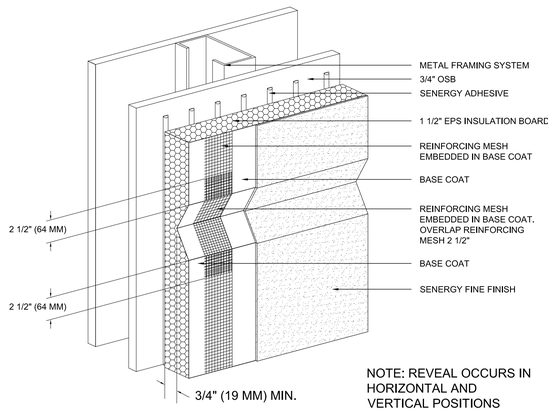
B2 Roof Curb Detail

SCALE: N.T.S.



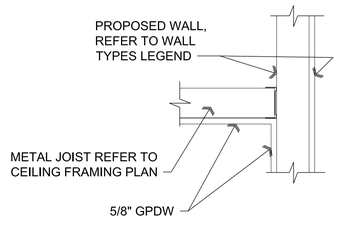
C2 Termination at Roof

SCALE: N.T.S.



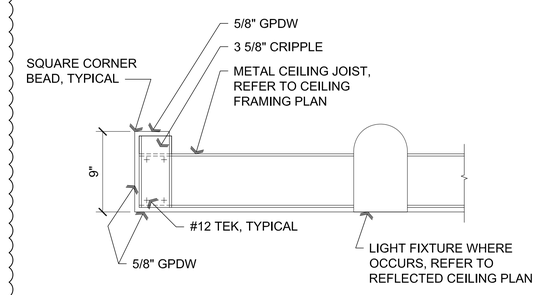
D2 EIFS Reveal

SCALE: N.T.S.



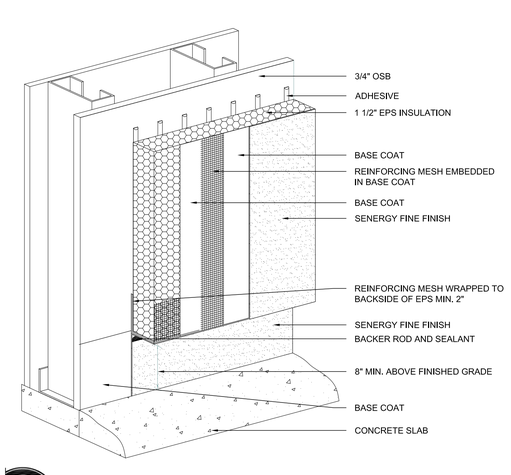
A1 Ceiling Joist Connection

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



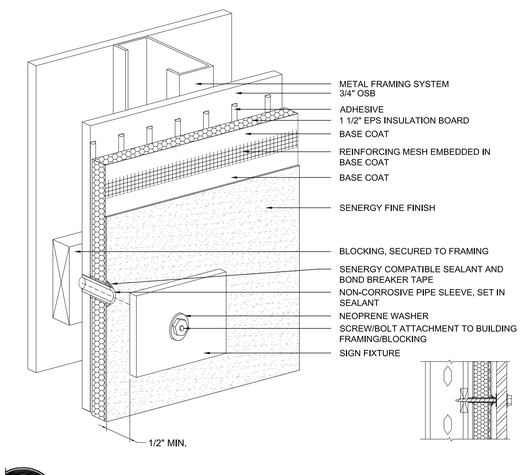
B1 GPDW Ceiling Detail

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



C1 Grade Termination

SCALE: N.T.S.



D1 Sign Attachment

SCALE: N.T.S.

Jul 24, 2017 - 8:28am

REVISIONS	BY
1 TOWN OF PV COMMENTS 07-13-2017	LO

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DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: June 5th, 2017
JOB NO.: 684
SHEET:

A12.1

GENERAL REQUIREMENTS:

1. THE STRUCTURAL SYSTEMS AND MEMBERS DEPICTED HEREIN HAVE BEEN DESIGNED PRIMARILY TO SAFEGUARD AGAINST MAJOR STRUCTURAL DAMAGE AND LOSS OF LIFE, NOT TO LIMIT DAMAGE OR MAINTAIN FUNCTION (IBC SECTION 101.3).

2. THESE DRAWINGS, AND THEIR ASSOCIATED STRUCTURAL CALCULATIONS, HAVE BEEN PERFORMED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE STRUCTURAL ENGINEER'S IN THIS OR SIMILAR LOCALITIES. THEY NECESSARILY ASSUME THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKMEN WHO HAVE A WORKING KNOWLEDGE OF THE INTERNATIONAL BUILDING CODE CONVENTIONAL FRAMING REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR FRAMING ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, IT IS UNDERSTOOD THAT THE CONTRACTOR WILL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR ALL MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.

3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION SUCH THAT DESIGN LIVE LOAD PER SQUARE FOOT AS STATED HEREIN IS NOT EXCEEDED. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS USED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, AND SHALL COORDINATE ALL DETAILS.

4. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN. TYPICAL DETAILS AND NOTES ARE NOT NECESSARILY INDICATED ON THE PLANS, BUT SHALL APPLY NONE-THE-LESS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. DETAILS MAY SHOW ONLY ONE SIDE OF CONNECTION OR MAY OMIT INFORMATION FOR CLARITY.

5. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT AND STRUCTURAL ENGINEER.

6. ANY INSPECTIONS, SPECIAL (IBC CHAPTER 17) OR OTHERWISE THAT ARE REQUIRED BY THE BUILDING CODES, LOCAL BUILDING DEPARTMENTS, OR BY THESE PLANS SHALL BE DONE BY AN INDEPENDENT INSPECTION COMPANY OR THE BUILDING DEPARTMENT. SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AN OFFICIAL INSPECTION, UNLESS SPECIFICALLY CONTRACTED FOR.

7. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS, THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DRAWINGS SHALL BE FLAGGED UPON HIS REVIEW. VERIFY ALL DIMENSIONS WITH ARCHITECT. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE CLOUDED. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER THE STRUCTURAL ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY. ANY ENGINEERING PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A STRUCTURAL ENGINEER REGISTERED IN THE APPROPRIATE STATE. THE SHOP DRAWINGS DO NOT REPLACE THE ORIGINAL CONTRACT DRAWINGS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER ARE NOT TO BE CONSIDERED CHANGES TO ORIGINAL DRAWINGS. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY THE OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR. ALLOW (5) WORKING DAYS FOR THE STRUCTURAL ENGINEER'S REVIEW. ONE COPY OF EACH SUBMITTAL WILL BE RETAINED FOR THE STRUCTURAL ENGINEER'S RECORDS.

BASIS FOR DESIGN:

1. BUILDING CODE: 2012 EDITION OF THE IBC WITH CITY/COUNTY AMENDMENTS.

   RISK CATEGORY = III

2. VERTICAL LOADS:

LOCATION	LIVE / SNOW LOAD	DEAD LOAD
ROOF	30 PSF	6 PSF
FLOOR	100 PSF	28 PSF
STAIRS	100 PSF	20 PSF

3. SEISMIC DESIGN PARAMETERS:

ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE
IMPORTANCE FACTOR	Ie = 1.25
SITE CLASS	D
SEISMIC DESIGN CATEGORY	C
SPECTRAL RESPONSE ACCELERATIONS	Sms = 0.593, Sm1 = 0.269
SPECTRAL RESPONSE COEFFICIENTS	Sds = 0.395, Sd1 = 0.179
HORIZONTAL SHEAR TRANSFER ELEMENTS:	
PLYWOOD – FLEXIBLE DIAPHRAM(S)	R = 6.5
STEEL DECK – FLEXIBLE DIAPHRAM(S)	R = 3.5
VERTICAL SHEAR TRANSFER ELEMENTS:	
PLYWOOD SHEARWALL(S)	R = 6.5
ORDINARY STEEL MOMENT FRAMES(S)	R = 3.0
X-BRACING	R = 3.0

4. WIND DESIGN PARAMETERS (STRENGTH):

ULTIMATE WIND SPEED	115 MPH (3 SECOND GUST)
WIND EXPOSURE	C
IMPORTANCE FACTOR	Iw = 1.00
INTERNAL PRESSURE COEFFICIENT	-0.18
COMPONENT AND CLADDING PRESSURE	33.7 PSF
NET UPLIFT ON ROOF	18.4 PSF

FOUNDATION NOTES:

1. FOUNDATIONS DESIGNED IN CONFORMANCE WITH RECOMMENDATIONS FOR DEEPENED FOUNDATIONS BY:
   ENGINEERING TESTING CONSULTANTS, INC. REPORT NO. 9319 DATED AUGUST 26, 2016.

2. SITE PREPARATION AND GRADING REQUIREMENTS OF THE SOIL REPORT AND ANY ADDENDUM'S SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF FOUNDATIONS. ANY TESTS OR INSPECTIONS REQUIRED BY THE SOIL REPORT SHALL BE PERFORMED PRIOR TO PLACEMENT OF FOUNDATION REINFORCING STEEL OR CONCRETE. ALTERATIONS TO SITE PREPARATION OR GRADING SHALL BE REPORTED TO THE GEOTECHNICAL ENGINEER PRIOR TO FOUNDATION CONSTRUCTION.

THE SOIL DESIGN VALUES FOR THE FOUNDATION ARE:

ALLOWABLE BEARING PRESSURE	3000 PSF
DEEPENED FOOTINGS ALLOWABLE PASSIVE RESISTANCE	290 PCF
ALLOWABLE LATERAL BEARING PRESSURE	200 PSF/FT
ALLOWABLE LATERAL SLIDING COEFFICIENT	0.35
LATERAL BACKFILL PRESSURE (UNRESTRAINED)	35 PSF/FT
LATERAL BACKFILL PRESSURE (RESTRAINED)	54 PSF/FT
SITE CLASS	D

3. A ONE-THIRD INCREASE IN BEARING PRESSURES IS ALLOWED WITH SEISMIC OR WIND LOAD COMBINATIONS. LATERAL BEARING AND LATERAL SLIDING RESISTANCE MAY BE COMBINED.

FOUNDATION BEARING DEPTH
DEEP FOUNDATIONS (HP288 HELICAL PILES), GRADE BEAMS 24" BELOW FINISH GRADE.

4. ALL GRADE BEAMS SHALL BEAR ON COMPACTED NATIVE SOIL OR ENGINEERED FILL IF ADEQUATE COMPACTION CANNOT BE ACHIEVED, 24" BELOW FINISH GRADE, PER GEOTECHNICAL REPORT. GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET OF THE BUILDING FOR PERIMETER FOOTINGS. WHERE EXTERIOR PAVING OR CONCRETE IS DIRECTLY ADJACENT TO BUILDING, GRADE IS DEFINED AS TOP OF EXTERIOR PAVING AT LEAST 5 FEET FROM BUILDING. CONCRETE FOOTING EXCAVATIONS SHALL BE CLEAN AND FREE OF LOOSE DEBRIS OR UN-COMPACTED MATERIAL AT TIME OF CONCRETE PLACEMENT.

5. CONCRETE SLABS ON GRADE SHALL BE SUPPORTED ON A 18 INCH LAYER OF SELECT FILL MATERIAL ACCORDING TO THE SPECIFICATIONS OF THE SOIL REPORT. FILL MATERIAL SHOULD BE MOISTENED, BUT NOT SATURATED JUST PRIOR TO PLACING CONCRETE.

CONCRETE:

1. MINIMUM 28 DAY CONCRETE STRENGTH SHALL BE AS FOLLOWS:

USE:	CONCRETE STRENGTH:	REMARKS:
FOUNDATION/GRADE BEAMS	2500 PSI	DESIGNED FOR 2500 PSI
CONCRETE SLABS ON GRADE	3000 PSI	W/O INSPECTION

2. ALL NORMAL WEIGHT CONCRETE SHALL BE REGULAR WEIGHT OF 150 POUNDS PER CUBIC FOOT USING HARD-ROCK AGGREGATES. AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C67 FOR ¾", ASTM C57 FOR 1" AND ASTM C467 FOR 1½" AGGREGATE.

3. TENSION LAP SPLICES OF REINFORCING STEEL IN CONCRETE SHALL BE AS FOLLOW:

REBAR SIZE	STANDARD LAP
#3	20"
#4	32"
#5	39"
#6	47"

LAP SPLICES FOR BEAMS AND FLOOR SLABS SHALL BE ACCORDING TO CHAPTER 12 OF ACI 318 OR LAP SCHEDULE ON THESE DRAWINGS.

STAGGER SPLICES A MINIMUM OF ONE LAP LENGTH. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAILS. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES.

4. ALL DIMENSIONS SHOWING THE LOCATION OF REINFORCING STEEL NOT NOTED AS "CLEAR" OR "CLR" ARE TO CENTER OF STEEL. MINIMUM COVER FOR NON-PRESTRESSED CONCRETE REINFORCING SHALL BE AS FOLLOWS:

LOCATION:	MINIMUM COVER:	TOLERANCE
CAST AGAINST EARTH (FOOTINGS)	3"	± ⅜"
SLABS ON GRADE	1½"	± ¼"
EXPOSED TO EARTH OR WEATHER – #5 AND SMALLER	1½"	± ⅜"

5. MAXIMUM SLUMP FOR ALL CONCRETE SHALL BE 4". SLUMP FOR EXTERIOR SLABS SHALL BE 6". PORTLAND CEMENT SHALL CONFORM TO ASTM C150. TYPE V CEMENT SHALL BE USED FOR CONCRETE IN CONTACT WITH ALKALINE SOIL, AND TYPE II ELSEWHERE.

6. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY THE TESTING AGENCY.

7. CONCRETE PLACEMENT AND QUALITY SHALL BE PER RECOMMENDATIONS IN ACI 614, ACI 301 AND ACI 318. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT THAT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND AND UNDER FLOOR DUCTS, ETC. CAST CLOSURE POUR, WHERE SHOWN ON PLANS AROUND COLUMNS AFTER COLUMN DEAD LOAD IS APPLIED. REMOVE ALL DEBRIS FROM FORMS BEFORE PLACING CONCRETE.

   ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING, DOWELS, BOLTS, ANCHORS, PIPES, SLEEVES, ETC., SHALL BE SECURELY POSITIONED IN THE FORMS BEFORE PLACING THE CONCRETE.

8. ALL CONCRETE SLABS ON GRADE SHALL BE DIVIDED INTO AREAS BY CONTROL JOINTS (KEYED OR SAW CUT) SUCH THAT ONE SLAB AREA DOES NOT EXCEED 250 SQUARE FEET, OR BE MORE THAN TWO TIMES LONGER THAN THE SLAB AREA WIDTH. THE FOUNDATION PLAN SHOWS A SUGGESTED METHOD OF CONTROL JOINT LAYOUT. IT IS RECOMMENDED THAT SAW CUTS BE MADE WITHIN 16 HOURS OF CONCRETE BATCHING.

   KEYED CONTROL JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING POURING, ALL OTHER JOINTS MAY BE SAW CUT.

9. HORIZONTAL PIPES AND ELECTRICAL CONDUITS SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE AND SLABS ON GRADE EXCEPT WHERE SPECIFICALLY APPROVED OR NOTED BY THE STRUCTURAL ENGINEER. PIPES AND CONDUITS SHALL NOT IMPAIR THE STRENGTH OF THE WORK.

10. FLY ASH MAY BE USED ONLY IF PERMITTED BY ARCHITECTURAL SPECIFICATIONS AND SHALL BE LIMITED TO 18 PERCENT OF CEMENTITIOUS MATERIALS AND SHALL HAVE A REPLACEMENT FACTOR OF 1.2 RELATIVE TO CEMENT REPLACED. NO FLY ASH ADDITIVES SHALL BE USED IN FLATWORK OR ARCHITECTURALLY EXPOSED CONCRETE.

11. COLD/HOT WEATHER CONCRETE CONSTRUCTION: PROTECT CONCRETE FROM DAMAGE OR REDUCED STRENGTH IN COMPLIANCE WITH ACI 305 AND 306.

GENERAL STRUCTURAL NOTES

(APPLY UNLESS NOTED OTHERWISE ON PLANS/DETAILS)

MASONRY (CONCRETE BLOCK):

MINIMUM 28 DAY MASONRY STRENGTH SHALL BE 1500 PSI.

1. VERTICAL REINFORCING: #5 AT 16 INCHES ON CENTER FULL HEIGHT OF WALL, CENTERED IN GROUTED CELL AND AT ALL WALL INTERSECTIONS, CORNERS, WALL ENDS, JAMBS, OVER LINTELS, AND EACH SIDE OF CONTROL JOINTS (MINIMUM UNLESS NOTED OTHERWISE ON PLANS/DETAILS). TIE AT 8'-0" VERTICALLY, WITH SINGLE WIRE LOOP TIE OR EQUIVALENT. DOWEL ALL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH AND LAP VERTICAL WALL OR COLUMN REINFORCING.

2. CONTROL JOINTS: UNLESS NOTED OTHERWISE ON THE PLANS, PLACE CONTROL JOINTS IN MASONRY WALLS SUCH THAT NO STRAIGHT RUN OF WALL EXCEEDS 24'-0". CONTROL JOINTS SHALL NOT OCCUR AT WALL CORNERS, INTERSECTIONS, ENDS, WITHIN 24" OF CONCENTRATED POINTS OF BEARING OR JAMBS, OR OVER OPENINGS UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS.

3. HORIZONTAL REINFORCING: (MINIMUM UNLESS NOTED OTHERWISE ON PLANS/DETAILS) (2) #4 BARS IN CENTER OF 16 INCH DEEP MINIMUM CONTINUOUS GROUTED BOND BEAM AT ELEVATED FLOOR AND ROOF LINES. FOR 8 INCH THICK WALLS, ONE #4 BAR IN CENTER OF 8 INCH DEEP CONTINUOUS GROUTED BOND BEAM AT INTERVALS NOT TO EXCEED 48 INCHES ON CENTER AND AT TOP OF PARAPET OR FREE STANDING WALLS.

   HORIZONTAL BARS AT TOP OF PARAPET OR FREE STANDING WALLS SHALL BE PLACED 8 INCHES DOWN FROM THE TOP IN AN UPSIDE DOWN BOND BEAM BLOCK.

   PLACE HORIZONTAL BARS CONTINUOUS THROUGH CONTROL JOINTS. PROVIDE BENT BARS PER TYPICAL DETAILS, TO MATCH HORIZONTAL BOND BEAM REINFORCING, AT CORNERS AND WALL INTERSECTION TO MAINTAIN BOND BEAM CONTINUITY.

4. TENSION LAP SPLICES OF REINFORCING STEEL IN MASONRY SHALL BE AS FOLLOWS:

REBAR SIZE	STANDARD LAP
#4	24"
#5	30"
#6	43"

5. REINFORCING PLACEMENT TOLERANCES: ALL DIMENSIONS SHOWING THE LOCATION OF REINFORCING STEEL NOT NOTED AS "CLEAR" OR "CLR" ARE TO CENTER OF STEEL. TOLERANCES FOR PLACEMENT OF VERTICAL REINFORCING SHALL BE (±) ½" PERPENDICULAR TO WALL AND (±) 2" ALONG THE LENGTH OF THE WALL. PROVIDE ½" CLEARANCE BETWEEN MASONRY UNITS AND REINFORCING, AND REINFORCING RUNNING IN THE SAME DIRECTION. LAPS MAY BE BESIDE OR OVER THE REINFORCING BEING SPLICED.

6. BLOCK QUALITY: CONCRETE BLOCK SHALL BE HOLLOW LIGHTWEIGHT LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM 90-75 WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI. USE BOND BEAM UNITS AT HORIZONTAL REINFORCING.

7. MORTAR: MORTAR MIX SHALL CONFORM TO REQUIREMENTS OF THE IBC STANDARDS, TYPE M OR S. MORTAR SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.

8. GROUT: GROUT SHALL CONFORM TO REQUIREMENTS OF CHAPTER 21 OF THE IBC FOR COARSE GROUT. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL JOINTS OF THE MASONRY WITHOUT SEGREGATION. GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS. ALL CELLS IN CONCRETE BLOCKS CONTAINING REINFORCING SHALL BE FILLED SOLID WITH GROUT. ALL MASONRY BELOW FINISHED FLOOR OR GRADE SHALL BE GROUTED SOLID. ALL GROUT SHALL BE MECHANICALLY VIBRATED.

   GROUT LIFTS OF 5 FEET OR LESS IS RECOMMENDED. FOR HIGHER GROUT LIFTS, CLEANOUTS (3"X3") AT THE BOTTOM OF ALL VERTICALLY REINFORCED CELLS SHALL BE PROVIDED. IN ADDITION, MECHANICAL DEVICES SHALL BE USED TO POSITION AND SECURE REINFORCING WHEN GROUT LIFTS EXCEED 5 FEET IN HEIGHT. IN SOLID GROUTED MASONRY, CLEANOUTS SHALL NOT BE SPACED MORE THAN 32" O.C.

9. BLOCK CONSTRUCTION: ALL BLOCKS SHALL BE PLACED IN RUNNING BOND CONSTRUCTION (UNLESS OTHERWISE NOTED) WITH ALL VERTICAL CELLS IN ALIGNMENT.

REINFORCING STEEL:

1. ASTM A615 GRADE 60 (FY = 60 KSI) DEFORMED BARS FOR ALL BARS #5 AND LARGER. ASTM A615 GRADE 40 (FY = 40 KSI) DEFORMED BARS FOR ALL BARS #4 AND SMALLER. GRADE 60 DEFORMED BARS SHALL BE USED FOR CONCRETE WALLS, BEAMS, ELEVATED SLABS AND COLUMN REINFORCING.

2. WELDING OF REINFORCING BARS SHALL BE MADE ONLY TO ASTM A706 GRADE 60 BARS AND ONLY USING E90 SERIES RODS. WELDING OF REINFORCING BARS SHALL BE MADE ONLY AT LOCATIONS SHOWN ON PLANS OR DETAILS.

3. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. ALL BARS PER CRSI SPECIFICATIONS AND HANDBOOK. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE.

STEEL:

1. MATERIALS: ROLLED W SHAPES, SHALL CONFORM TO ASTM A992 (FY=50 KSI). ALL OTHER STRUCTURAL STEEL SHAPES, ROLLED SECTIONS, BARS AND PLATES SHALL CONFORM TO ASTM A36 (FY = 36 KSI). ALL PIPE STEEL SHALL BE ASTM A501 (FY = 36 KSI) OR ASTM A53, TYPE E OR S, GRADE B (FY = 35 KSI). ALL TUBULAR STEEL SHALL BE ASTM A500 (FY = 46 KSI).

2. ALL BOLTS AND STUDS SHALL BE ASTM A307, UNLESS NOTED OTHERWISE. ALL EXPANSION BOLTS TO HAVE CURRENT ICBO RATING FOR MATERIAL INTO WHICH INSTALLATION TAKES PLACE. HEADED STUDS SHALL CONFORM TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE "RECOMMENDED PRACTICES FOR STUD WELDING" AND THE "STRUCTURAL WELDING CODE" PUBLISHED BY AWS. ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, ETC. SHALL BE INSTALLED WITH STEEL WASHERS AT FACE OF WOOD OR AT SLOTTED HOLES IN STEEL SECTIONS.

3. ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION.

4. WELDING SHALL BE BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. ALL WELDING SHALL USE E70 SERIES LOW HYDROGEN RODS UNLESS NOTED OTHERWISE. ALL WELDING PER LATEST AMERICAN WELDING SOCIETY STANDARDS. ALL WELDS ON DRAWINGS ARE SHOWN AS SHOP WELDS. CONTRACTOR MAY SHOP WELD OR FIELD WELD AT HIS DISCRETION. ALL FULL PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING LABORATORY.

5. STEEL TO STEEL BOLTED CONNECTIONS: HIGH STRENGTH BOLTS SHALL BE ASTM A325N AND SHALL BE INSTALLED AS BEARING-TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE (TYPE "N" CONNECTION). BOLTS MAY BE TIGHTENED USING ANY AISC APPROVED METHOD.

6. DRYPACK SHALL BE 5,000 PSI FIVE STAR NON-SHRINK GROUT OR EQUIVALENT. INSTALL DRYPACK UNDER BEARING PLATES BEFORE FRAMING MEMBER IS INSTALLED. AT COLUMNS, INSTALL DRYPACK UNDER BASE PLATES AFTER COLUMN HAS BEEN PLUMBED BUT PRIOR TO FLOOR OR ROOF INSTALLATION.

STEEL DECKING (ICBO #2078):

1. ROOF DECK AT MAIN ADDITION (R OR PBR TYPE TO MATCH EXISTING): STEEL DECK SHALL MATCH EXISTING AND BE 1-1/4" DEEP, 36" WIDE, 26 GAGE GALVANIZED STEEL, WITH MINIMUM YIELD STRESS OF 60 KSI, WITH MINIMUM S = 0.0381 IN^3 AND I = 0.0309 IN^4 PER FOOT OF WIDTH.

2. ROOF DECK AT TOWER (B-DECK): ROOF DECK SHALL BE 1-1/2" DEEP, 36" WIDE, 22 GAGE GALVANIZED STEEL, WITH MINIMUM YIELD STRESS OF 50 KSI, WITH MINIMUM S = 0.176 IN^3 AND I = 0.192 IN^4 PER FOOT OF WIDTH.

3. ROOF DECK ATTACHMENT: DECK SHALL BE ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AS 3 SPAN MINIMUM AND SHALL BE ATTACHED FOR A MINIMUM DIAPHRAM SHEAR CAPACITY OF 355 PLF. SCREW DECK TO SUPPORTING MEMBERS WITH #12 TEKS SCREWS AT 36/4 SCREW PATTERN AT SHEET ENDS, END LAPS AND AT INTERMEDIATE SUPPORTS, AND AT 12" ON CENTER AT PERIMETER BEAMS AND OPENING EDGES RUNNING PARALLEL TO THE DECK. SIDE SEAM ATTACHMENT SHALL BE #10 TEKS SCREWS AT 12" ON CENTER.

STEEL JOISTS AND JOIST GIRDERS:

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

2. JOIST DESIGN: JOIST MANUFACTURER SHALL DESIGN AND SUBMIT CALCULATIONS BY A REGISTERED ENGINEER FOR ALL JOISTS, EXCEPT PARALLEL CHORD JOISTS WITH UNIFORM LOADS AND CONTINUOUSLY SUPPORTED COMPRESSION CHORDS PER SJI STANDARD LOAD TABLES.

3. CALCULATIONS: CALCULATIONS SHALL INCLUDE DEFLECTION AND CAMBER REQUIREMENTS. LIVE LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/360. TOTAL LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/240. ALL JOISTS AND JOIST GIRDERS SHALL BE CAMBERED FOR THE DESIGN DEAD LOAD. MANUFACTURER SHALL ADD ADDITIONAL WEB MEMBERS AS REQUIRED AND ADJUST CHORD AND WEB SIZES ACCORDINGLY, BUT SHALL NOT ALTER DEPTH OF JOISTS. DESIGN CALCULATIONS SHALL INCLUDE SUPERIMPOSED LOADS FOR FRAMING SUPPORTED EQUIPMENT. VERIFY SIZE, WEIGHT AND LOCATION OF EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.

4. SHOP DRAWINGS: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO MANUFACTURE. CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER FOR REVIEW PRIOR TO INSTALLATION. SHOP DRAWINGS AND CALCULATIONS SHALL INCLUDE DETAILS OF OPTIONAL FIELD SPLICES.

5. BEARING: ALL STEEL JOISTS/GIRDERS OR BEAMS SHALL BEAR AT A PANEL POINT. JOISTS OR BEAMS TO BE EQUALLY SPACED BETWEEN COLUMN LINES UNLESS NOTED OTHERWISE. MANUFACTURER SHALL DESIGN JOIST SHOES WHERE BEARING LENGTH IS LESS THAN 4" AT LH SERIES JOIST AND LESS THAN 3" AT K SERIES JOIST.

6. BRIDGING: MANUFACTURERS SHALL PROVIDE BRIDGING AS REQUIRED, PER SJI SPECIFICATIONS. DO NOT WELD BOTTOM CHORD TO JOIST SUPPORT UNTIL FULL DEAD LOAD IS IN PLACE. WHERE CROSS BRIDGING INTERFERES WITH MECHANICAL INSTALLATIONS, REMOVE THIS CROSS BRIDGING AFTER TOTAL DEAD LOAD IS APPLIED AND REPLACE WITH HORIZONTAL ANGLES L2X2X⅛ AT TOP AND BOTTOM CHORDS.

WOOD:

1. SAWN LUMBER: FRAMING LUMBER SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) OR THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB). ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY. SAWN LUMBER SHALL HAVE THE FOLLOWING MINIMUM GRADE UNLESS NOTED OTHERWISE IN SCHEDULES:

USE:	MATERIAL:
2X4 STUDS	HEM-FIR STUD
2X6 STUDS	HEM-FIR NO. 2
JOISTS, TOP PLATES AND ALL OTHER SAWN LUMBER	DOUGLAS-FIR NO. 2 OR BETTER
BEAMS AND POSTS	DOUGLAS-FIR NO. 2 OR BETTER

2. PLYWOOD: ALL PLYWOOD SHALL BE C-D OR C-C SHEATHING CONFORMING TO STANDARD PS 1-95. LAY UP PLYWOOD WITH FACE GRAIN IN PERPENDICULAR TO SUPPORTS (ON ROOFS WHERE PLYWOOD IS LAID UP WITH FACE GRAIN PARALLEL TO SUPPORTS, USE A MINIMUM OF 5-PLY PLYWOOD, STAGGER JOINTS). ALL NAILING, COMMON NAILS. BLOCKING AT PANEL EDGES WHERE INDICATED ON PLANS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/INDEX RATING AND SHALL BE NAILED AS FOLLOWS UNLESS NOTED OTHERWISE ON THE PLANS:

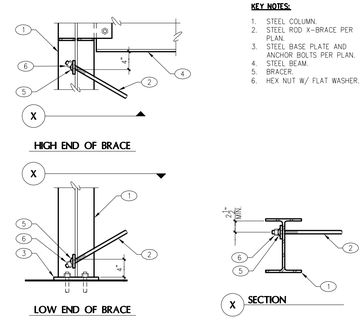
LOCATION:	NOMINAL THICKNESS:	SPAN INDEX RATING:	EDGE ATTACHMENT:	FIELD ATTACHMENT:
WALLS	½" OR ⅜"	24/0	8d AT 6" O.C.	8d AT 12" O.C.
FLOOR	1⅛" T&G	60/48	#12 SCREWS AT 6" O.C.	#12 SCREWS AT 12" O.C.
FLOOR (AUDIO/VISUAL PLATFORM)	¾" T&G	48/24	#8 SCREWS AT 6" O.C.	#8 SCREWS AT 12" O.C.

   PLYWOOD ALTERNATE: AMERICAN PLYWOOD ASSOCIATION PERFORMANCE RATED SHEATHING MAY BE USED AS AN ALTERNATE TO PLYWOOD WITH PRIOR APPROVAL OF OWNER, ARCHITECT AND ROOFER. IT MAY NOT BE USED ON ROOFS WHERE BUILT-UP ROOF SYSTEM IS TO BE GUARANTEED BY ROOFER. RATED SHEATHING SHALL COMPLY WITH ICBO REPORT NER-108, EXPOSURE 1, AND SHALL HAVE A SPAN RATING EQUIVALENT TO OR BETTER THAN THE PLYWOOD IT REPLACES. ATTACHMENT AND THICKNESS (WITHIN ⅛") SHALL BE THE SAME AS THE PLYWOOD IT REPLACES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

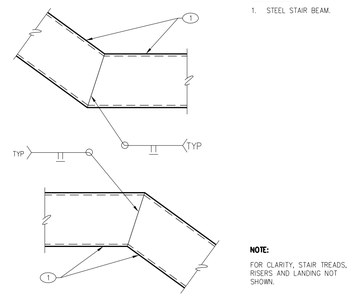
3. SILL PLATES RESTING ON CONCRETE OR MASONRY SHALL BE OF TREATED FIR OR FOUNDATION GRADE REDWOOD. SHEAR WALLS AND EXTERIOR WALL SILLS AT CONCRETE SLAB SHALL HAVE A MINIMUM OF (2) ½"ø ANCHOR BOLTS PER PIECE. PROVIDE ANCHOR BOLT AT 9" MAXIMUM, 4" MINIMUM FROM THE END OF EACH PIECE AT SPLICE OR END OF WALL. MAXIMUM ANCHOR BOLT SPACING SHALL BE 72" ON CENTER UNLESS NOTED OTHERWISE ON PLANS OR DETAILS. ALL ANCHOR BOLTS (OTHER THAN BOLTS FOR HOLDOWNS) SHALL EMBED 7" INTO CONCRETE. ANCHOR BOLTS FOR HOLDOWNS SHALL NOT BE CONSIDERED AS PART OF REQUIRED ANCHOR BOLTS ON SHEAR WALLS. ALL EXTERIOR WALLS SHALL BE SECURED WITH MINIMUM ANCHOR BOLTS. INTERIOR WALLS MAY BE SECURED TO CONCRETE WITH EITHER ANCHOR BOLTS OR POWER DRIVEN SHOT PINS UNLESS NOTED OTHERWISE ON PLANS.

4. GENERAL: DO NOT NOTCH OR DRILL JOISTS, BEAMS OR LOAD BEARING STUDS WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT. DOUBLE UP FLOOR JOISTS AND BLOCKING UNDER PARTITIONS. PROVIDE 2" (NOMINAL) SOLID BLOCKING AT SUPPORTS OF ALL JOISTS. UNLESS NOTED OTHERWISE ON PLANS/DETAILS PROVIDE 2X SOLID BLOCKING AT MID-HEIGHT OF BEARING STUD WALLS. ALL NAILING NOT NOTED SHALL BE ACCORDING TO IBC TABLE 2304.9.1. JOIST HANGERS AND OTHER MISCELLANEOUS FRAMING ANCHORS SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. OR OTHER MANUFACTURER WITH CURRENT ICBO APPROVAL.

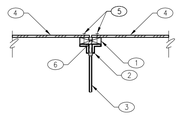
5. BOLTING: ALL BOLTS IN WOOD CONNECTIONS SHALL CONFORM TO ASTM A307. BOLTS



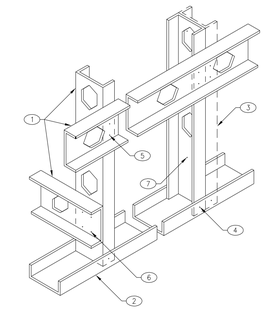
T13 STEEL ROD X-BRACING
NO SCALE



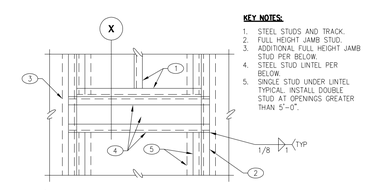
T14 TYPICAL SPLICE AT STEEL STAIR BEAM
STR0102 NO SCALE



T15 WOOD NAILER AT STEEL JOIST
NO SCALE



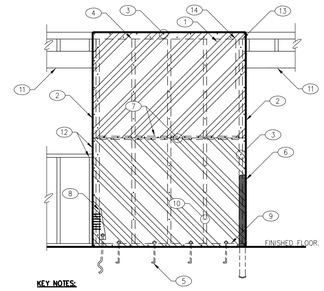
T10 TYPICAL STEEL STUD ATTACHMENT – SCREW CONNECTION
LGS01 NO SCALE



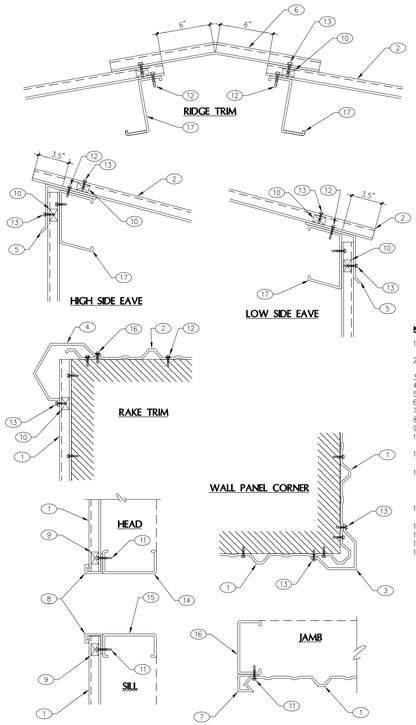
NOTE:
A. THIS SCHEDULE MAY BE USED ONLY IN WALLS WHERE NO OTHER HAS BEEN CALLED OUT ON PLANS OR DETAILS.
B. VERTICAL STUD TO STUD CONNECTION PER DETAIL.
C. FOR CONNECTIONS NOT SHOWN, SEE TYPICAL STUD DETAIL AND G.S.N.

ROUGH OPENING WIDTH	LINTEL AT BEARING OR SHEAR WALLS	LINTEL AT OTHER WALLS	ADD'L JAMB STUDS EACH SIDE OF OPNG.
0'-0" TO 3'-0"	(2)400S162-43	(2)400S162-43	---
3'-1" TO 6'-0"	(2)600S162-43	(2)400S162-43	1
6'-1" TO 8'-0"	(2)600S162-43	(2)600S162-43	2
8'-1" TO 10'-0"	(2)800S162-43	(2)800S162-43	3

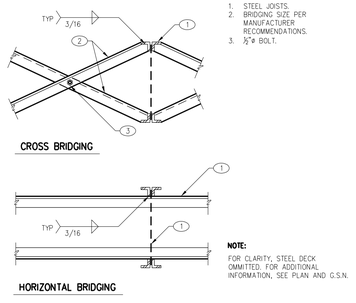
T11 TYPICAL LINTELS IN STRUCTURAL STEEL STUD WALL
LGS0301 NO SCALE



T12 ELEVATION-TYPICAL 1-STORY SHEARWALL AT DOOR/WINDOW
LGS601 NO SCALE



T7 TYPICAL METAL ROOFING/SIDING TRIM ATTACHMENT
SD06

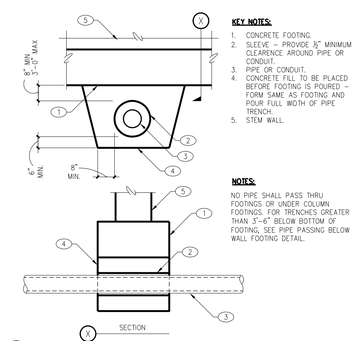


T8 TYPICAL BRIDGING AT STEEL JOISTS
SJ02 NO SCALE

CONNECTION	NAILING	TYPE
JOIST OR TRUSS BEARING ON SILL OR GIRDER	(3)–8d	TOENAIL
BRIDGING TO JOIST	(2)–8d	TOENAIL
SOLE PLATE TO JOIST OR BLOCKING	16d AT 16" O.C.	FACE NAIL
TOP PLATE TO STUD	(2)–16d	END NAIL
STUD TO SOLE PLATE	(2)–16d, END NAIL	–NA–
DOUBLE STUDS	16d AT 24" O.C.	FACE NAIL
DOUBLE TOP PLATES	16d AT 16" O.C.	FACE NAIL
TOP PLATES, LAP AND INTERSECTIONS	(2)–16d	FACE NAIL
CONTINUOUS HEADER, TWO PIECES	16d AT 16" O.C. ALONG EACH EDGE	–NA–
CEILING JOISTS TO PLATE	(3)–8d	TOENAIL
CONTINUOUS HEADER TO STUD	(4)–8d	TOENAIL
CEILING JOISTS, LAPS OVER PARTITIONS	(3)–16d	FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	(3)–16d	FACE NAIL
RAFTER OR TRUSS TO PLATE	(3)–8d	TOENAIL
1" BRACE TO EACH STUD AND PLATE	(2)–8d	FACE NAIL
BUILT-UP CORNER STUDS	16d AT 24" O.C.	–NA–

NOTE:
1. MINIMUM NAILING SPECIFIED HEREIN SHALL BE PROVIDE UNLESS NOTED OTHERWISE ON PLANS, DETAILS OR GENERAL STRUCTURAL NOTES.
2. NAILING NOT NOTED ON THESE PLANS OR DETAILS SHALL BE PER I.B.C. TABLE 2304.9.1.

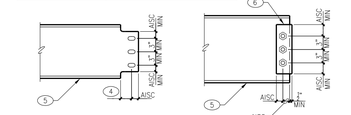
T9 MINIMUM NAILING SCHEDULE – UNLESS NOTED OTHERWISE
W01–2012 NO SCALE



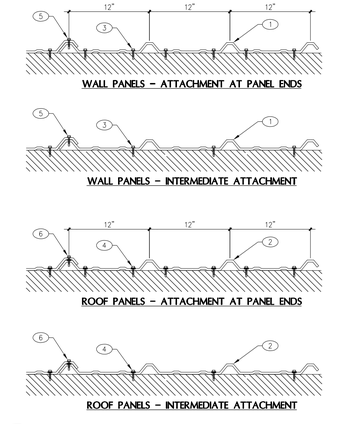
T4 PIPE PASSING UNDER WALL FOOTING IN SHALLOW TRENCH
F06 NO SCALE

NOMINAL BEAM DEPTH "D"	NUMBER OF ⅞"ø ASTM, A325N BOLTS
UP TO 7"	2
8" – 11"	2
12" – 14"	3
15" – 17"	4
18" – 20"	5
21" – 23"	6
24" – 29"	7
30" – 32"	8
33" – 35"	9
36"	10

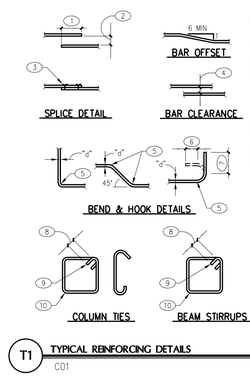
KEY NOTES:
1. THE TYPICAL STEEL BEAM TO STEEL COLUMN OR STEEL BEAM TO STEEL BEAM CONNECTION CONSISTS OF ⅜" THICK SINGLE SHEAR PLATES WITH ⅞"ø ASTM A325N BOLTS. USE ⅜" SHEAR PLATES WHERE "D"=27" OR GREATER.
2. ALL BOLTS SHALL BE INSTALLED USING SHORT SLOTTED HOLES IN EITHER THE BEAM WEB OR THE SHEAR PLATE PER LATEST AISC SPECIFICATIONS.
3. MAINTAIN MINIMUM BOLT SPACING AND EDGE DISTANCES PER AISC SPECIFICATIONS 1.16.4 AND 1.16.5, AND AS SHOWN BELOW.
4. CLIP FLANGE FOR ½" CLR.
5. STEEL BEAM.
6. SHEAR PLATE.



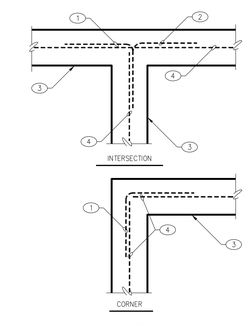
T5 BOLT SCHEDULE FOR STEEL CONNECTIONS
SO2 NO SCALE



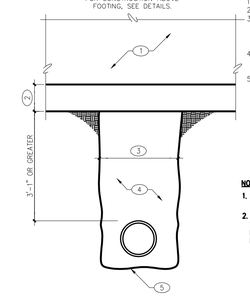
T6 TYPICAL "PBR" PANEL ROOFING/SIDING ATTACHMENT
SD05



T1 TYPICAL REINFORCING DETAILS
C01 NO SCALE



T2 PLAN – CORNER REINFORCING IN CONCRETE FOOTINGS AND/OR CONCRETE STEM WALLS
F02 NO SCALE



T3 PIPE PASSING BELOW WALL FOOTING IN DEEP TRENCH
F05 NO SCALE

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JOB NO.: 2016–0104.1 | PROJECT MANAGER: ANDY K. | CAD OPERATOR: MJS

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REVISIONS	BY

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Registered Professional Engineer (Structural) CERTIFICATE NO. 27541 RICHARD K. FROST ARIZONA U.S.A. Date Signed 7-21-17 EXPIRES 9/30/2017

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ARCHITECTURE & PLANNING

DRAWING: TYPICAL DETAILS T-SERIES

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

PROJECT: 402-14-047J

DRAWN BY	MJS
CHECKED BY	ANDY K.
DATE	7/21/17
SCALE	AS NOTED
JOB NO.	2016-0104.1
SHEET	S1.1

SHEARWALL HOLDOWN SCHEDULE

MARK	HOLDOWN	SHEARWALL END POST	DETAIL REFERENCE	ALTERNATE DETAIL
1	SIMPSON S/HD8S	(2) STEEL STUDS	201	NONE
2	SIMPSON S/HD15S	(2) STEEL STUDS	201	NONE
3	SIMPSON S/HTT5S	(2) STEEL STUDS	201	NONE
4	SIMPSON S/HD83	(2) STEEL STUDS	112	NONE
5	SIMPSON S/HD15S	(2) STEEL STUDS	112	NONE
6	SIMPSON S/HTT5	(2) STEEL STUDS	112	NONE

STEEL STUD WALL SHEARWALL SCHEDULE

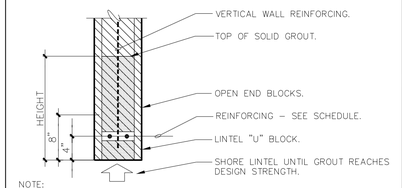
NOTES:
1. PROVIDE FULL HEIGHT DOUBLE STUDS AT ENDS OF SHEARWALLS UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.
2. FRAMING MEMBER SUPPORTING MATERIAL SHALL BE 20 GA. STEEL STUDS SPACED AT 24" ON CENTER MAXIMUM.
3. ANCHOR BOLTS TO FOUNDATION SHALL BE 10" LONG AND SHALL BE EMBEDDED 7" INTO CONCRETE. EXPANSION BOLTS OF EQUAL SIZE OR SHOT PINS MAY BE USED AT INTERIOR WALLS AWAY FROM EDGE OF SLAB OR SLAB STEP-DOWN).
4. A MINIMUM OF 2 ANCHOR BOLTS SHALL BE USED ON EACH BASE PLATE PIECE. PROVIDE 1 ANCHOR BOLT MINIMUM WITHIN 9" OF EACH END OF EACH PIECE.
5. PROVIDE CONTINUOUS 18 GA. TOP AND BOTTOM TRACK AT ALL SHEARWALLS AND EXTERIOR WALLS. UNLESS NOTED OTHERWISE, LAP SPLICE TOP TRACK A MINIMUM OF 2'-0" WITH #10 TEK SCREWS STAGGERED AT 2" ON CENTER (12 SCREWS TOTAL ALONG SPLICE JOINT).
6. BLOCK ALL PANEL EDGES WITH 20 GA. X 2 INCH RIBBON. PROVIDE EDGE ATTACHMENT FOR SHEATHING AT BLOCKED EDGES.

MARK	SHEATHING MATERIAL	EDGE NAILING	FIELD NAILING	BOTTOM PLATE ATTACHMENT
1 L=P.P.	½" GYPBOARD (BLOCKED)	#6 SCREWS AT 7" O.C.	#6 SCREWS AT 7" O.C.	CONCRETE: ½"ø A.B. AT 36" O.C. OR: HILTI DNI 32 SHOT PINS AT 10" O.C.
2 L=P.P.	½" GYPBOARD (BLOCKED) BOTH SIDES OF WALL	#6 SCREWS AT 7" O.C.	#6 SCREWS AT 7" O.C.	CONCRETE: ½"ø A.B. AT 36" O.C. OR: HILTI DNI 32 SHOT PINS AT 10" O.C.
3 L=P.P.	½" OR ⅜" PLYWOOD OR OSB ONE SIDE OF WALL	#8 OR #10 FLAT HEAD SCREWS AT 6" O.C.	#8 OR #10 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: ½"ø A.B. AT 36" O.C. OR: HILTI DNI 32 SHOT PINS AT 10" O.C.
4 L=P.P.	½" OR ⅜" PLYWOOD OR OSB ONE SIDE OF WALL	#8 OR #10 FLAT HEAD SCREWS AT 4" O.C.	#8 OR #10 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: ½"ø A.B. AT 24" O.C. OR: HILTI DNI 32 SHOT PINS AT 7" O.C.
5 L=P.P.	½" OR ⅜" PLYWOOD OR OSB ONE SIDE OF WALL	#8 FLAT HEAD SCREWS AT 3" O.C.	#8 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: ½"ø A.B. AT 18" O.C. OR: HILTI DNI 32 SHOT PINS AT 5" O.C.
6 L=P.P.	½" OR ⅜" PLYWOOD OR OSB ONE SIDE OF WALL	#8 FLAT HEAD SCREWS AT 2" O.C.	#8 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: ½"ø A.B. AT 12" O.C. OR: HILTI DNI 32 SHOT PINS AT 4" O.C.
7 L=P.P.	4 EACH SIDE	#8 FLAT HEAD SCREWS AT 4" O.C.	#8 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: ⅝"ø A.B. AT 20" O.C.

SHEARWALL HOLDOWN FASTENERS

MARK	HOLDOWN	HOLDOWN CONNECTS TO STRUCTURE BELOW WITH:	HOLDOWN CONNECTS TO SHEARWALL ENDPOST WITH:
1	SIMPSON S/HD8S	⅞"ø THREADED STUD WELDED TO BEAM	(17) #14 SCREWS
2	SIMPSON S/HD15S	1"ø THREADED STUD WELDED TO BEAM	(30) #14 SCREWS
3	SIMPSON S/HTT5S	⅝"ø THREADED STUD WELDED TO BEAM	(26) #10 SCREWS
4	SIMPSON S/HD83	⅞"øX16" LONG THREADED ROD ANCHOR BOLT	(17) #14 SCREWS
5	SIMPSON S/HD15S	1"øX16" LONG THREADED ROD ANCHOR BOLT	(30) #14 SCREWS
6	SIMPSON S/HTT5	⅝"øX16" LONG THREADED ROD ANCHOR BOLT	(26) #10 SCREWS

MASONRY LINTEL (ML) SCHEDULE



NOTE:
1. VERTICAL REINFORCING TO MATCH AND LAP WALL REINFORCING PER G.S.N.
2. EXTEND GROUT, OPEN END MASONRY UNITS AND REINFORCING 2'-0" PAST EACH JAMB. USE CORNER BARS WHERE 2'-0" CANNOT BE ACHIEVED.

MARK	HEIGHT	REINFORCING
ML1	24"	(1) #5 HORIZONTAL #5 AT 16" O.C. VERTICAL

BEAM (B) SCHEDULE

MARK	SIZE	CAMBER
B1	W18X35	---
B2	W24X68	---
B3	HSS14X6X¼	---
B4	W24X94	---
B5	W24X94	---
B6	HSS8X6X5/16	---
B7	W18X35	---
B8	W14X22	---
B9	HSS8X6X5/16	---
B10	W14X22	---
B11	C12X20.7	---
B12	HSS8X3X⅜	---

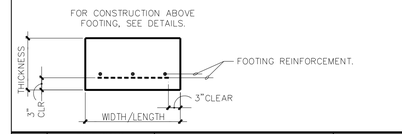
FLOOR JOIST (FJ) SCHEDULE

MARK	JOIST	REMARKS
FJ1	20K3 AT 24" O.C.	2X NAILER ON TOP CHORD SEE DETAIL T15
FJ2	2X8 AT 24" O.C.	---
FJ3	2.5K2 AT 24" O.C.	2X NAILER ON TOP CHORD SEE DETAIL T15
FJ4	TJL'S AT 24" O.C. TO MATCH EXISTING	

HEADER (H) SCHEDULE

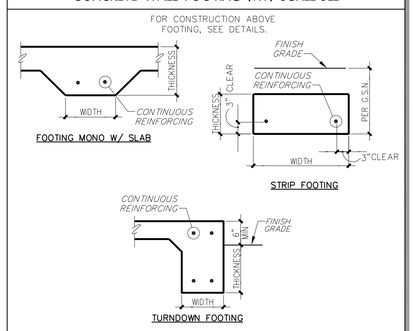
MARK	SIZE	REMARKS
H1	(2) 2X8	OR 4X8
H2	4X12 DF #2	OR 3⅛X10.5 GLB
H3	3⅛X10.5 GLB	---

CONCRETE FOOTING (F) SCHEDULE



MARK	DIMENSIONS LENGTH	WIDTH	THICKNESS	FOOTING REINFORCING	REMARKS
F1	48"	48"	40" MIN.	#4 AT 12" O.C. TOP, BOTTOM AND SIDES	PILE CAP, SEE DETAIL 102
F2	36"	36"	40" MIN.	#4 AT 12" O.C. TOP, BOTTOM AND SIDES	PILE CAP, SEE DETAIL 102
F3	36"	36"	40" MIN.	#4 AT 12" O.C. TOP, BOTTOM AND SIDES	PILE CAP, SEE DETAIL 109
F4	24"	24"	12"	(5) #4 EACH WAY	---
F5	SEE PLAN		40" MIN.	#4 AT 12" O.C. TOP, BOTTOM AND SIDES	PILE CAP, SEE DETAIL 107

CONCRETE WALL FOOTING (WF) SCHEDULE



MARK	DIMENSIONS WIDTH	THICKNESS	FOOTING REINFORCING	FOOTING TYPE
WF1	16"	12"	(2) #4 CONTINUOUS	STRIP
WF2	24"	12"	(3) #4 CONTINUOUS	STRIP
WF3	18"	12"	(2) #4 CONTINUOUS	MONO W/ SLAB
WF4	24"	16"	(2) #4 CONTINUOUS TOP AND (3) #5 CONTINUOUS BOTTOM W/ #3 STIRRUPS AT 6" O.C.	STRIP
WF5	12"	24"	(2) #4 CONTINUOUS	TURNDOWN
WF6	24"	12"	(3) #4 CONTINUOUS	STRIP

WALL REINFORCING (W) SCHEDULE

MARK	THICKNESS	REINFORCING	REMARKS
W1	8" MASONRY	#5 AT 16" O.C. CENTERED	SOLID GROUT

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JOB NO.: 2016-0104.1 | PROJECT MANAGER: ANDY K. | CAD OPERATOR: MJS

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REVISIONS	BY

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Registered Professional Engineer (Structural) CERTIFICATE NO. 27541 RICHARD K. FROST Date Signed 7-21-17 ARIZONA U.S. EXPIRES 9/30/2017

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ARCHITECTURE & PLANNING

DRAWING: PLAN SCHEDULES

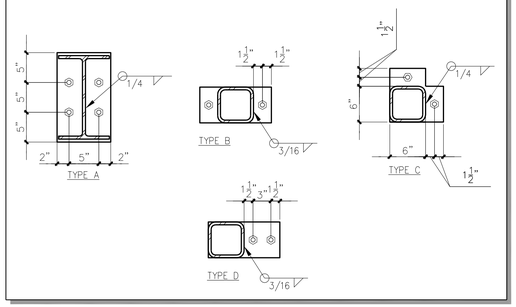
PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

PROJECT: 402-14-047J

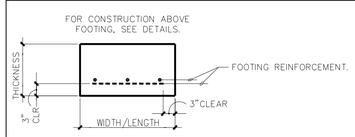
DRAWN BY	MJS
CHECKED BY	ANDY K.
DATE	7/21/17
SCALE	AS NOTED
JOB NO.	2016-0104.1
SHEET	S1.2

STEEL COLUMN (SC) SCHEDULE

MARK	SIZE	BASE CONNECTION	BASE CONNECTION TYPE	REMARKS
SC1	W14X48	15"X9X⅝" THK STEEL PLATE W/ (4) ¾"ø X 18" LONG A.B. W/ DOUBLE NUT	TYPE A	STARTS AT FOOTING
SC2	HSS4X4X3/16	10"X4"X½" THK STEEL PLATE W/ (2) ⅜"ø X 5" EXPANSION ANCHORS	TYPE B	STARTS AT FOOTING
SC3	HSS6X6X3/16	½" THK STEEL PLATE W/ (2) ⅝"ø X 18" A.B. W/ DOUBLE NUT	TYPE C	STARTS AT FOOTING
SC4	HSS6X6X3/16	12" X 6" X ½" THK STEEL PLATE W/ (2) ⅜"ø X 18" LONG A.B. W/ DOUBLE NUTS AT BOTTOM	TYPE D	STARTS AT FOOTING

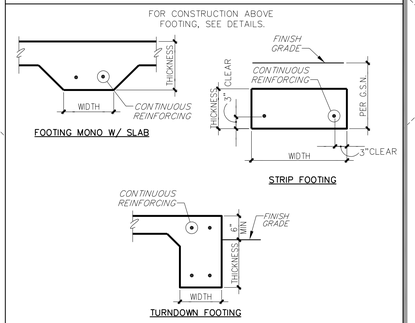


CONCRETE FOOTING (F) SCHEDULE

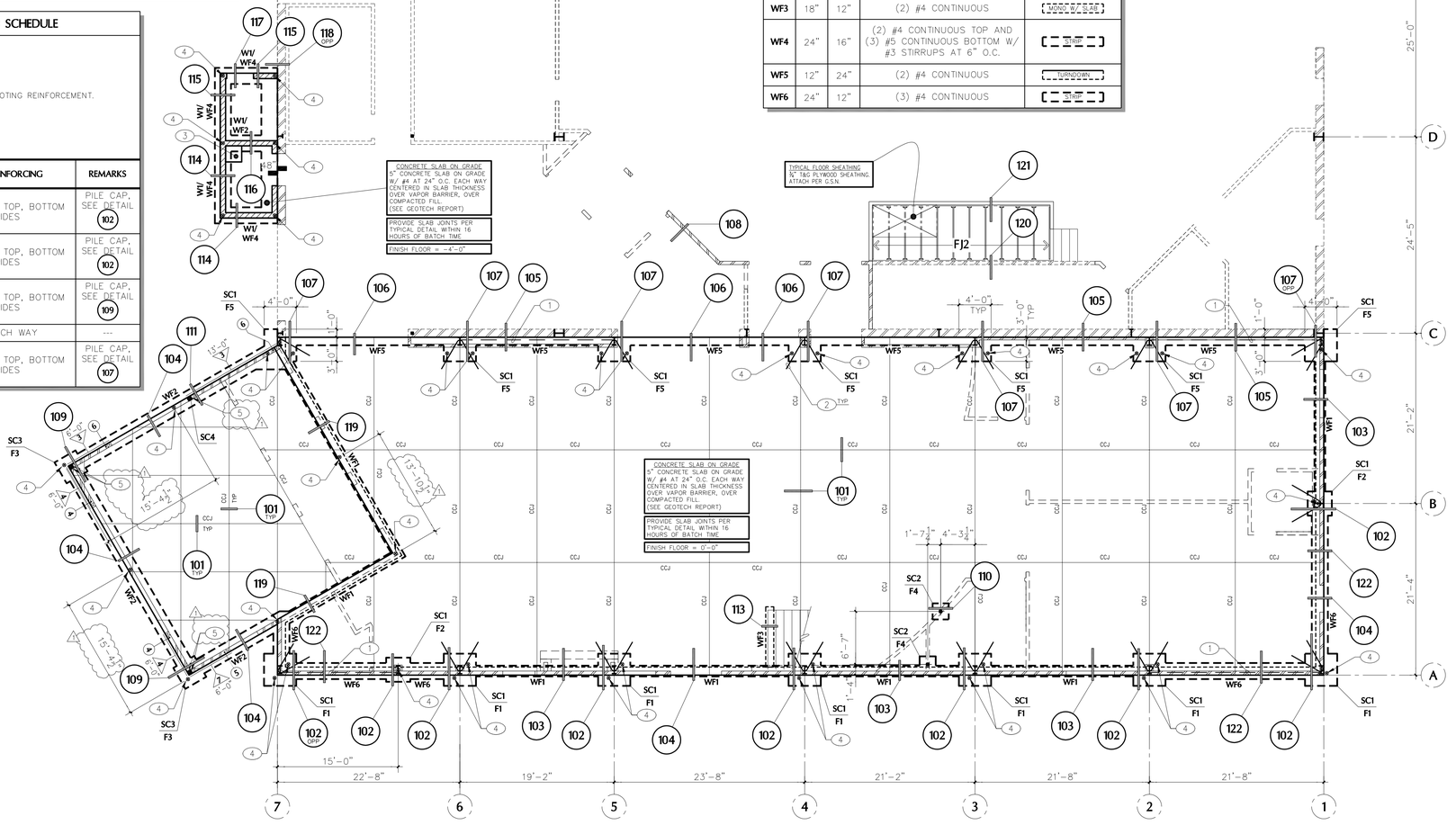


MARK	DIMENSIONS LENGTH	DIMENSIONS WIDTH	DIMENSIONS THICKNESS	FOOTING REINFORCING	REMARKS
F1	48"	48"	40" MIN.	#4 AT 12" O.C. TOP, BOTTOM AND SIDES	PILE CAP, SEE DETAIL (102)
F2	36"	36"	40" MIN.	#4 AT 12" O.C. TOP, BOTTOM AND SIDES	PILE CAP, SEE DETAIL (102)
F3	36"	36"	40" MIN.	#4 AT 12" O.C. TOP, BOTTOM AND SIDES	PILE CAP, SEE DETAIL (109)
F4	24"	24"	12"	(5) #4 EACH WAY	---
F5	SEE PLAN		40" MIN.	#4 AT 12" O.C. TOP, BOTTOM AND SIDES	PILE CAP, SEE DETAIL (107)

CONCRETE WALL FOOTING (WF) SCHEDULE



MARK	DIMENSIONS WIDTH	DIMENSIONS THICKNESS	FOOTING REINFORCING	FOOTING TYPE
WF1	16"	12"	(2) #4 CONTINUOUS	STRIP
WF2	24"	12"	(3) #4 CONTINUOUS	STRIP
WF3	18"	12"	(2) #4 CONTINUOUS	MONO W/ SLAB
WF4	24"	16"	(2) #4 CONTINUOUS TOP AND (3) #5 CONTINUOUS BOTTOM W/ #3 STIRRUPS AT 6" O.C.	STRIP
WF5	12"	24"	(2) #4 CONTINUOUS	TURNDOWN
WF6	24"	12"	(3) #4 CONTINUOUS	STRIP



FOUNDATION PLAN

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

WALL SCHEDULE

NOTE: -HATCHING INDICATES STRUCTURAL ELEMENT CONTINUES TO THE NEXT LEVEL (VERIFY WITH ARCHITECTURAL DRAWINGS).
-SEE PLAN SCHEDULES, DETAILS, AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

AS SEEN ON PLANS	INDICATES-
	4" WOOD STUD WALL. USE 2X4 AT 16" O.C. ALL OPENINGS HAVE 2 TRIMMER STUDS AND 2 KING STUDS AT EACH SIDE. (MIN. U.N.O.) BEAM/GIRDER POSTS: DOUBLE STUD (MIN. U.N.O.) SHEARWALL ENDPOSTS: DOUBLE STUD (MIN. U.N.O.)
	6" STEEL STUD WALL. STUDS: 600S162-43 MILS AT 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.)
5 4'-0"	SHEARWALL. SEE SHEARWALL SCHEDULE FOR WALL SHEATHING AND NAILING.
	8" MASONRY WALL W/ #5 VERTICALS AT 16" AND #5 HORIZONTAL AT 48" O.C.
	EXISTING WALL.

FOUNDATION PLAN NOTES

1. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
2. 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.
3. WF1, WF2, ETC. – AS SHOWN ON PLAN INDICATES A CONTINUOUS WALL FOOTING. SEE WALL FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
4. F1, F2, ETC. – AS SHOWN ON PLAN INDICATES A CONCRETE FOOTING. SEE FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
5. SC1, SC2, ETC. – AS SHOWN ON PLAN INDICATES A STEEL COLUMN. SEE STEEL COLUMN SCHEDULE FOR ADDITIONAL INFORMATION. COLUMNS START AT THE LEVEL THEY ARE CALLED OUT ON.
6. (1) (2) – AS SHOWN ON PLAN INDICATES A SHEARWALL HOLDOWN. SEE HOLDOWN SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
7. CCJ – 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 (101)
8. VERIFY EXACT SIZE AND LOCATION OF DEPRESSED AND/OR RAISED SLABS WITH ARCHITECTURAL DRAWINGS.
9. FOR SIDEWALK AND LANDING LOCATIONS, SEE ARCHITECTURAL DRAWINGS.

PLAN KEYNOTES

(X)

1. ½"ø ROD X-BRACE BETWEEN GROUND FLOOR AND 2ND FLOOR. SEE TYPICAL DETAIL T1.3 FOR MORE INFORMATION.
2. #5 HAIRPIN W/ 48" LEGS.
3. 24" SQ. RECESS FOR SUMP PUMP.
4. ● INDICATES LOCATION OF HP288 HELICAL PILE WITH HP288NCBB BRACKET AND (2) ¾"ø BOLTS.
5. SINGLE STEEL END STUD ATTACHED TO STEEL COLUMN WITH ⅝"ø THREADED STUDS WELDED TO STEEL COLUMN AT 24" O.C. – TYPICAL.

LOCATION OF DETAILS

SHEET	DESCRIPTION	DETAILS
S1.1	TYPICAL DETAILS	T-SERIES
S5	FOUNDATION DETAILS	100-SERIES
S5.1	FOUNDATION DETAILS	100-SERIES
S6	FLOOR FRAMING DETAILS	200-SERIES
S7	ROOF FRAMING DETAILS	300-SERIES

WALL REINFORCING (W) SCHEDULE

MARK	THICKNESS	REINFORCING	REMARKS
W1	8" MASONRY	#5 AT 16" O.C. CENTERED	SOLID GROUT

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ARCHITECTURE & PLANNING

DRAWING: FOUNDATION PLAN

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

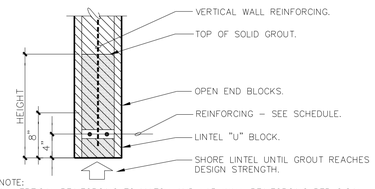
PROJECT: 402-14-047J

DRAWN BY	MJS
CHECKED BY	ANDY K.
DATE	7/21/17
SCALE	AS NOTED
JOB NO.	2016-0104.1
SHEET	S2

FLOOR JOIST (FJ) SCHEDULE

MARK	JOIST	REMARKS
FJ1	20K3 AT 24" O.C.	2X NAILER ON TOP CHORD SEE DETAIL T15
FJ2	2X8 AT 24" O.C.	---
FJ3	2.5K2 AT 24" O.C.	2X NAILER ON TOP CHORD SEE DETAIL T15
FJ4	TJL'S AT 24" O.C. TO MATCH EXISTING	

MASONRY LINTEL (ML) SCHEDULE



NOTE:
1. VERTICAL REINFORCING TO MATCH AND LAP WALL REINFORCING PER G.S.N.
2. EXTEND GROUT, OPEN END MASONRY UNITS AND REINFORCING 2'-0" PAST EACH JAMB. USE CORNER BARS WHERE 2'-0" CANNOT BE ACHIEVED.

MARK	HEIGHT	REINFORCING
ML1	24"	(1) #5 HORIZONTAL #5 AT 16" O.C. VERTICAL

SHEARWALL HOLDOWN FASTENERS

MARK	HOLDOWN	HOLDOWN CONNECTS TO STRUCTURE BELOW WITH:	HOLDOWN CONNECTS TO SHEARWALL ENDPOST WITH:
1	SIMPSON S/HD8S	7/8"ø THREADED STUD WELDED TO BEAM	(17) #14 SCREWS
2	SIMPSON S/HD15S	1"ø THREADED STUD WELDED TO BEAM	(30) #14 SCREWS
3	SIMPSON S/HTT5S	5/8"ø THREADED STUD WELDED TO BEAM	(26) #10 SCREWS
4	SIMPSON S/HD8S	7/8"øX16" LONG THREADED ROD ANCHOR BOLT	(17) #14 SCREWS
5	SIMPSON S/HD15S	1"øX16" LONG THREADED ROD ANCHOR BOLT	(30) #14 SCREWS
6	SIMPSON S/HTT5	5/8"øX16" LONG THREADED ROD ANCHOR BOLT	(26) #10 SCREWS

ROOF PURLIN (RP) SCHEDULE

MARK	JOIST	REMARKS
RP1	8"X2.5"X12GA. "Z" PURLIN AT 48" O.C.	OR 10"X2.5"X14GA. "Z" PURLIN AT 48" O.C.
RP2	10"X2.5"X12GA. "Z" PURLIN AT 48" O.C.	---

HEADER (H) SCHEDULE

MARK	SIZE	REMARKS
H1	(2) 2X8	OR 4X8
H2	4X12 DF #2	OR 3 1/8X10.5 GLB
H3	3 1/8X10.5 GLB	---

PLAN KEYNOTES

(X)

1. 1/2"ø ROD X-BRACE BETWEEN 2ND FLOOR AND ROOF. SEE TYPICAL DETAIL T13 FOR MORE INFORMATION.
2. ELEVATOR CHASE.
3. CEILING FRAMING (SEE DETAILS 215 THRU 217).
4. REFER TO ARCHITECTURAL DRAWINGS FOR PLATFORM FRAMING.
5. SINGLE STEEL END STUD ATTACHED TO STEEL COLUMN WITH 1/2"ø THREADED STUDS WELDED TO STEEL COLUMN AT 24" O.C. - TYPICAL.

STEEL STUD WALL SHEARWALL SCHEDULE

NOTES:
1. PROVIDE FULL HEIGHT DOUBLE STUDS AT ENDS OF SHEARWALLS UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.
2. FRAMING MEMBER SUPPORTING MATERIAL SHALL BE 20 GA. STEEL STUDS SPACED AT 24" ON CENTER MAXIMUM.
3. ANCHOR BOLTS TO FOUNDATION SHALL BE 10" LONG AND SHALL BE EMBEDDED 7" INTO CONCRETE. EXPANSION BOLTS OF EQUAL SIZE OR SHOT PINS MAY BE USED AT INTERIOR WALLS AWAY FROM EDGE OF SLAB OR SLAB STEP-DOWN).
4. A MINIMUM OF 2 ANCHOR BOLTS SHALL BE USED ON EACH BASE PLATE PIECE. PROVIDE 1 ANCHOR BOLT MINIMUM WITHIN 9" OF EACH END OF EACH PIECE.
5. PROVIDE CONTINUOUS 18 GA. TOP AND BOTTOM TRACK AT ALL SHEARWALLS AND EXTERIOR WALLS, UNLESS NOTED OTHERWISE, LAP SPLICE TOP TRACK A MINIMUM OF 2'-0" WITH #10 TEK SCREWS STAGGERED AT 2" ON CENTER (12 SCREWS TOTAL ALONG SPLICE JOINT).
6. BLOCK ALL PANEL EDGES WITH 20 GA. X 2 INCH RIBBON. PROVIDE EDGE ATTACHMENT FOR SHEATHING AT BLOCKED EDGES.

MARK	SHEATHING MATERIAL	EDGE NAILING	FIELD NAILING	BOTTOM PLATE ATTACHMENT
1 L=P.P.	1/2" GYPBOARD (BLOCKED)	#6 SCREWS AT 7" O.C.	#6 SCREWS AT 7" O.C.	CONCRETE: 1/2"ø A.B. AT 36" O.C. OR: HILTI DNI .32 SHOT PINS AT 10" O.C.
2 L=P.P.	1/2" GYPBOARD (BLOCKED) BOTH SIDES OF WALL	#6 SCREWS AT 7" O.C.	#6 SCREWS AT 7" O.C.	CONCRETE: 1/2"ø A.B. AT 36" O.C. OR: HILTI DNI .32 SHOT PINS AT 10" O.C.
3 L=P.P.	1/2" OR 3/8" PLYWOOD OR OSB ONE SIDE OF WALL	#8 OR #10 FLAT HEAD SCREWS AT 6" O.C.	#8 OR #10 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: 1/2"ø A.B. AT 36" O.C. OR: HILTI DNI .32 SHOT PINS AT 10" O.C.
4 L=P.P.	1/2" OR 3/8" PLYWOOD OR OSB ONE SIDE OF WALL	#8 OR #10 FLAT HEAD SCREWS AT 4" O.C.	#8 OR #10 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: 1/2"ø A.B. AT 24" O.C. OR: HILTI DNI .32 SHOT PINS AT 7" O.C.
5 L=P.P.	1/2" OR 3/8" PLYWOOD OR OSB ONE SIDE OF WALL	#8 FLAT HEAD SCREWS AT 3" O.C.	#8 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: 1/2"ø A.B. AT 18" O.C. OR: HILTI DNI .32 SHOT PINS AT 5" O.C.
6 L=P.P.	1/2" OR 3/8" PLYWOOD OR OSB ONE SIDE OF WALL	#8 FLAT HEAD SCREWS AT 2" O.C.	#8 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: 1/2"ø A.B. AT 12" O.C. OR: HILTI DNI .32 SHOT PINS AT 4" O.C.
7 L=P.P.	4 EACH SIDE	#8 FLAT HEAD SCREWS AT 4" O.C.	#8 FLAT HEAD SCREWS AT 12" O.C.	CONCRETE: 5/8"ø A.B. AT 20" O.C.

WALL SCHEDULE

NOTE: -HATCHING INDICATES STRUCTURAL ELEMENT CONTINUES TO THE NEXT LEVEL (VERIFY WITH ARCHITECTURAL DRAWINGS). -SEE PLAN SCHEDULES, DETAILS, AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

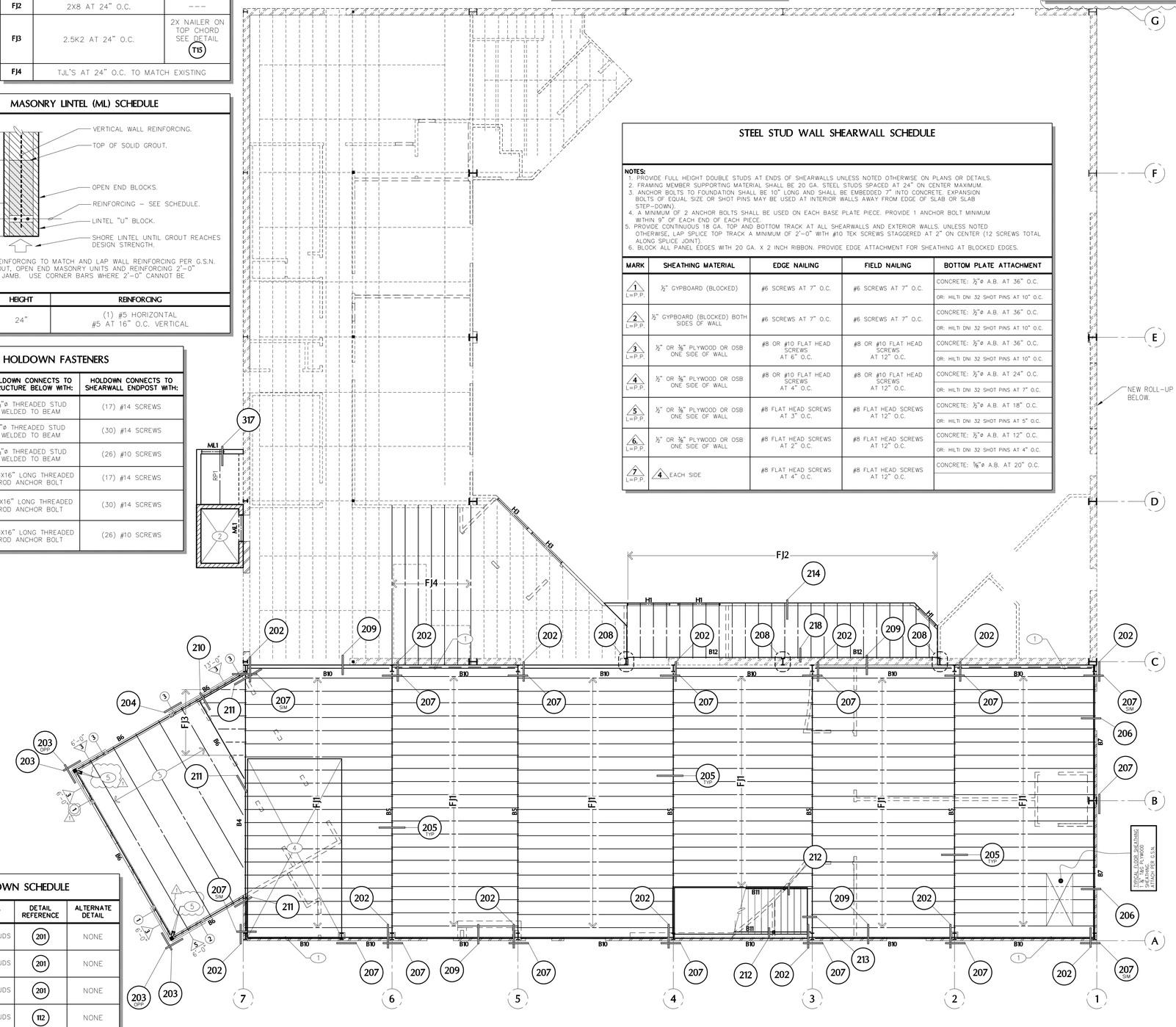
AS SEEN ON PLANS	INDICATES-
	4" WOOD STUD WALL. STUDS: 2X4 AT 16" O.C. 1 TRIMMER/1 KING STUD EACH JAMB U.N.O. BEAM/GIRDER POSTS: DOUBLE STUD (MIN. U.N.O.) SHEARWALL ENDPOSTS: DOUBLE STUD (MIN. U.N.O.)
	6" WOOD STUD WALL. STUDS: 2X6 AT 16" O.C. 1 TRIMMER/1 KING STUD EACH JAMB U.N.O. BEAM/GIRDER POSTS: DOUBLE STUD (MIN. U.N.O.) SHEARWALL ENDPOSTS: DOUBLE STUD (MIN. U.N.O.)
	4" STEEL STUD WALL. STUDS: 400S125-33 MILS AT 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.)
	6" STEEL STUD WALL. STUDS: 600S165-33 MILS AT 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.)
5 4'-0"	SHEARWALL. SEE SHEARWALL SCHEDULE FOR WALL SHEATHING AND NAILING.
	EXISTING WALL.
	STRUCTURAL WALL BELOW (BEARING WALL, SHEARWALL, OR EXTERIOR WALL)
	NON-STRUCTURAL WALL BELOW.

FLOOR FRAMING PLAN NOTES

1. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
2. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
3. SC1, SC2, ETC. - AS SHOWN ON PLAN INDICATES A STEEL COLUMN. SEE STEEL COLUMN SCHEDULE FOR ADDITIONAL INFORMATION. COLUMNS START AT THE LEVEL THEY ARE CALLED OUT ON.
4. B1, B2, ETC. - AS SHOWN ON PLAN INDICATES A STEEL BEAM. SEE STEEL BEAM SCHEDULE FOR ADDITIONAL INFORMATION.
5. FJ1, FJ2, ETC. - AS SHOWN ON PLAN INDICATES FLOOR JOISTS. SEE FLOOR JOIST SCHEDULE FOR ADDITIONAL INFORMATION.
6. (1)(2) - AS SHOWN ON PLAN INDICATES A SHEARWALL HOLDOWN. SEE HOLDOWN SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
7. H1, H2, ETC. - AS SHOWN ON PLAN INDICATES A HEADER. SEE HEADER SCHEDULE FOR ADDITIONAL INFORMATION.
8. L1, L2, ETC. - AS SHOWN ON PLAN INDICATES A LEDGER. SEE LEDGER SCHEDULE FOR ADDITIONAL INFORMATION.
9. FOR CLARITY, DETAILS MAY SHOW ONLY ONE SIDE OF FRAMING CONDITION.
10. FOR CLARITY, ALL FLOOR OPENINGS MAY NOT BE SHOWN ON THE FLOOR FRAMING PLAN. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL DETAILS.

BEAM (B) SCHEDULE

MARK	SIZE	CAMBER
B1	W18X35	---
B2	W24X68	---
B3	HSS14X6X1/4	---
B4	W24X94	---
B5	W24X94	---
B6	HSS8X6X5/16	---
B7	W18X35	---
B8	W14X22	---
B9	HSS8X6X5/16	---
B10	W14X22	---
B11	C12X20.7	---
B12	HSS8X3X5/16	---



FLOOR FRAMING PLAN

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

SHEARWALL HOLDOWN SCHEDULE

MARK	HOLDOWN	SHEARWALL END POST	DETAIL REFERENCE	ALTERNATE DETAIL
1	SIMPSON S/HD8S	(2) STEEL STUDS	201	NONE
2	SIMPSON S/HD15S	(2) STEEL STUDS	201	NONE
3	SIMPSON S/HTT5S	(2) STEEL STUDS	201	NONE
4	SIMPSON S/HD8S	(2) STEEL STUDS	112	NONE
5	SIMPSON S/HD15S	(2) STEEL STUDS	112	NONE
6	SIMPSON S/HTT5	(2) STEEL STUDS	112	NONE

LOCATION OF DETAILS

SHEET	DESCRIPTION	DETAILS
S1.1	TYPICAL DETAILS	1-SERIES
S5	FOUNDATION DETAILS	100-SERIES
S5.1	FOUNDATION DETAILS	100-SERIES
S6	FLOOR FRAMING DETAILS	200-SERIES
S7	ROOF FRAMING DETAILS	300-SERIES

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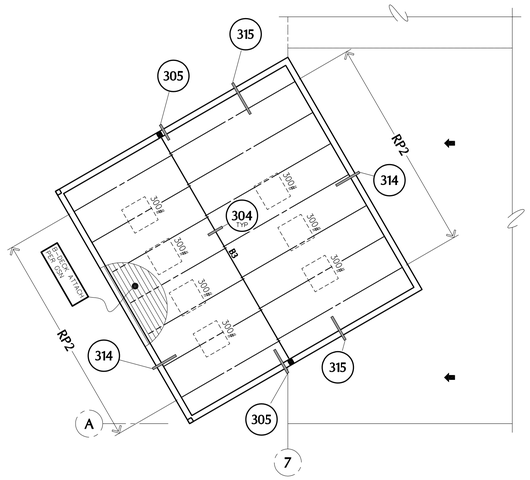
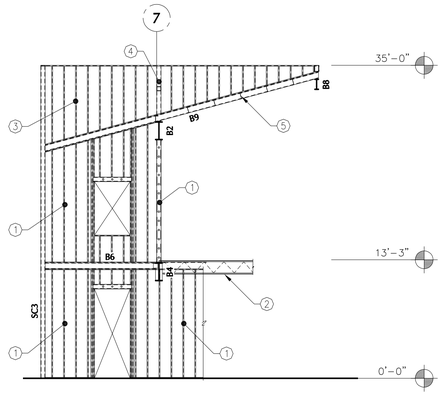
SHEET	S3



HIGH ROOF FRAMING PLAN

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

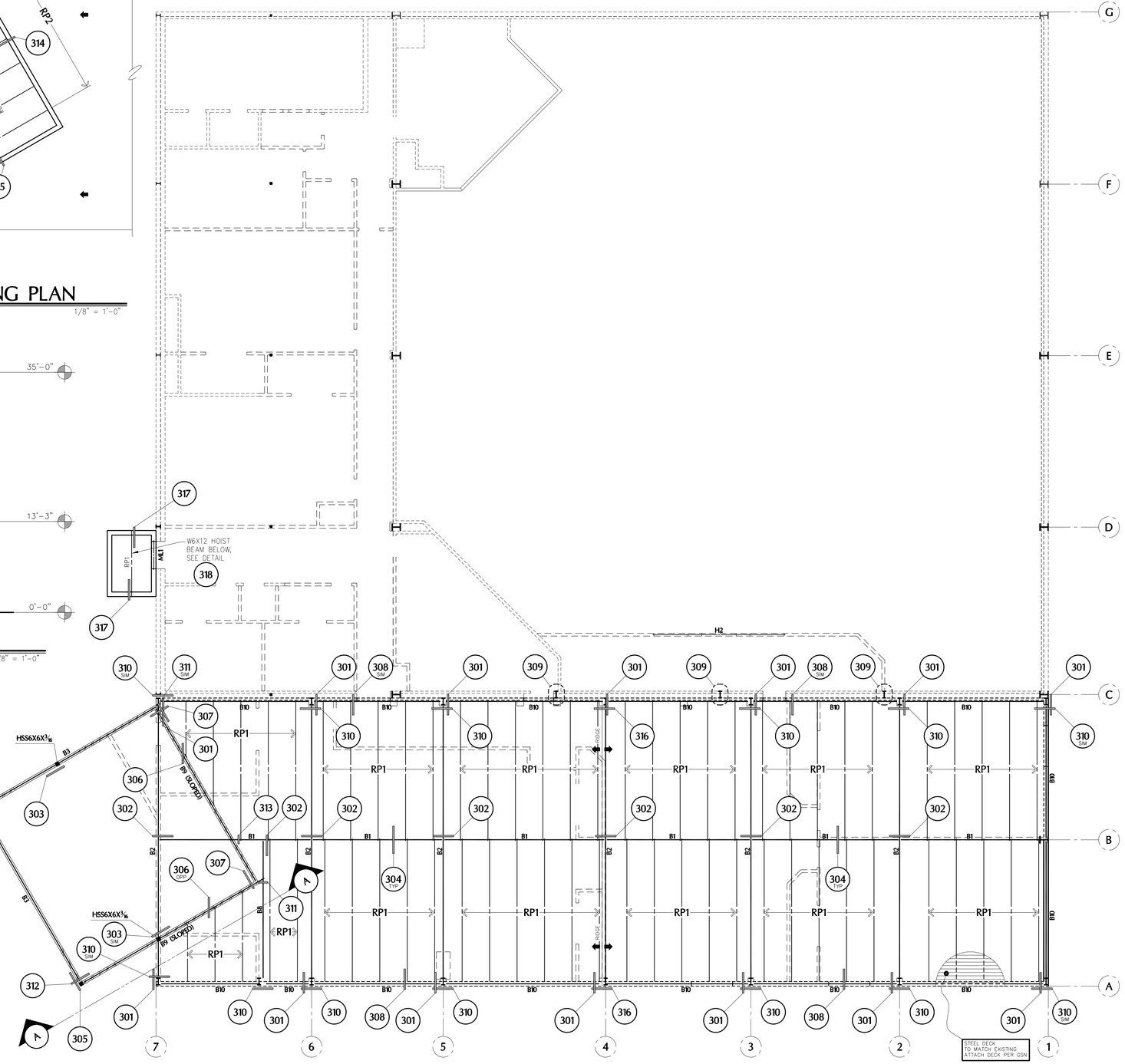


A–A PORTICO SECTION

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

SECTION KEYNOTES

1. STEEL STUD WALL.
2. STEEL FLOOR JOIST.
3. STEEL STUD FRAMED PARAPET.
4. HSS6X6X¼ SUPPORTING STEEL BEAM BEYOND.
5. ROOF PURLINS.



ROOF FRAMING PLAN

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

WALL SCHEDULE

NOTE - SEE PLAN SCHEDULES, DETAILS AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

AS SEEN ON PLANS	INDICATES-
	STRUCTURAL WALL BELOW (BEARING WALL, SHEARWALL, OR EXTERIOR WALL)
	NON-STRUCTURAL WALL BELOW.
	PARAPET WALL

ROOF FRAMING PLAN NOTES

1. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
2. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
3. B1, B2, ETC. – AS SHOWN ON PLAN INDICATES A STEEL BEAM. SEE STEEL BEAM SCHEDULE FOR ADDITIONAL INFORMATION.
4. RJ1, RJ2, ETC. – AS SHOWN ON PLAN INDICATES ROOF JOISTS. SEE ROOF JOIST SCHEDULE FOR ADDITIONAL INFORMATION.
5. RP1, RP2, ETC. – AS SHOWN ON PLAN INDICATES ROOF PURLIN. SEE ROOF PURLIN SCHEDULE FOR ADDITIONAL INFORMATION.
6. H1, H2, ETC. – AS SHOWN ON PLAN INDICATES A HEADER. SEE HEADER SCHEDULE FOR ADDITIONAL INFORMATION.
7. L1, L2, ETC. – AS SHOWN ON PLAN INDICATES A LEDGER. SEE LEDGER SCHEDULE FOR ADDITIONAL INFORMATION.
8. FOR CLARITY, DETAILS MAY SHOW ONLY ONE SIDE OF FRAMING CONDITION.
9. FOR CLARITY, ALL ROOF OPENINGS MAY NOT BE SHOWN ON THE ROOF FRAMING PLAN. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL DETAILS.
10. INDICATES HVAC EQUIPMENT ON ROOF OR IN ATTIC SPACE. SEE TYPICAL DETAILS FOR FRAMING INFORMATION.
11. VERIFY EXACT SIZE AND WEIGHT OF EQUIPMENT ON ROOF WITH MECHANICAL CONTRACTOR.

BEAM (B) SCHEDULE

MARK	SIZE	CAMBER
B1	W18X35	---
B2	W24X68	---
B3	HSS14X6X¼	---
B4	W24X94	---
B5	W24X94	---
B6	HSS8X6X5/16	---
B7	W18X35	---
B8	W14X22	---
B9	HSS8X6X5/16	---
B10	W14X22	---
B11	C12X20.7	---
B12	HSS8X3X3/8	---

ROOF PURLIN (RP) SCHEDULE

MARK	JOIST	REMARKS
RP1	8"X2.5"X12GA. "Z" PURLIN AT 48" O.C.	OR 10"X2.5"X14GA. "Z" PURLIN AT 48" O.C.
RP2	10"X2.5"X12GA. "Z" PURLIN AT 48" O.C.	---

LOCATION OF DETAILS

SHEET	DESCRIPTION	DETAILS
S1.1	TYPICAL DETAILS	T-SERIES
S5	FOUNDATION DETAILS	100-SERIES
S5.1	FOUNDATION DETAILS	100-SERIES
S6	FLOOR FRAMING DETAILS	200-SERIES
S7	ROOF FRAMING DETAILS	300-SERIES

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JOB NO.: 2016-0104.1 | PROJECT MANAGER: ANDY K. | CAD OPERATOR: MJS

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REVISIONS	BY

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Registered Professional Engineer (Structural) CERTIFICATE NO. 27541 RICHARD K. FROST Date Signed 7-21-17 ARIZONA U.S.A. EXPIRES 9/30/2017

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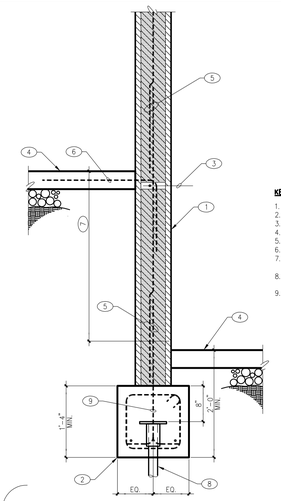
ARCHITECTURE & PLANNING

DRAWING: ROOF FRAMING PLANS

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

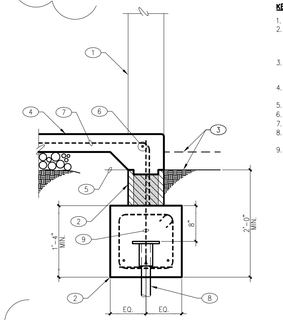
PROJECT: 402-14-047J

DRAWN BY	MJS
CHECKED BY	ANDY K.
DATE	7/21/17
SCALE	AS NOTED
JOB NO.	2016-0104.1
SHEET	S4



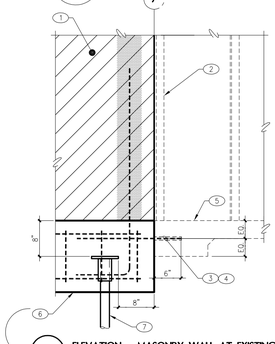
KEY NOTES:
1. MASONRY WALL.
2. CONCRETE FOOTING.
3. (1) #4 HORIZONTAL AT FLOOR
4. CONCRETE SLAB ON GRADE.
5. MINIMUM LAP PER G.S.N.
6. #4 HOOK 24"/16" AT 48" O.C.
7. SEE ARCHITECTURAL DRAWINGS.
8. HELICAL PILE BY OTHERS, AS OCCURS.
9. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING - ALTERNATE BENDS.

116 ELEVATOR PIT WALL AND FOOTING
NO SCALE



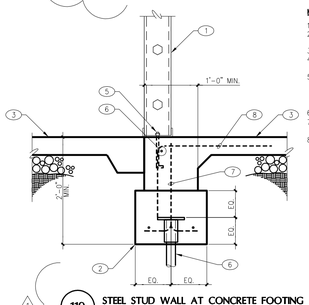
KEY NOTES:
1. MASONRY WALL BEYOND.
2. SOLID GROUTED MASONRY STEM WALL AND CONCRETE FOOTING WITH REINFORCING CONTINUOUS FROM BEYOND.
3. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
4. CONCRETE SLAB IN GRADE, TOOLED EDGE AT OPENING.
5. DEPRESS STEM WALL 8" MIN.
6. (1) #4 CONTINUOUS.
7. #4 HOOK 24"/16" AT 48" O.C.
8. HELICAL PILE BY OTHERS AS OCCURS.
9. #4 VERTICAL AT 48" O.C. ALTERNATE BENDS.

117 DOOR OPENING AT CONCRETE FOOTING
MW-CF0403
NO SCALE



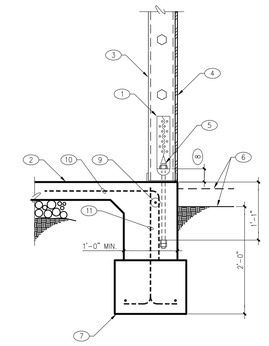
KEY NOTES:
1. MASONRY WALL.
2. EXISTING STEEL BUILDING WALL.
3. DRILL 5/8"x16" DEEP HOLE.
4. EPOXY (3) #4 BARS TO EXISTING FOOTING USING SIMPSON SET-XP TYPE EPOXY.
5. EXISTING CONCRETE FOOTING.
6. CONCRETE FOOTING.
7. HELICAL PILE BY OTHERS, AS OCCURS.

118 ELEVATION - MASONRY WALL AT EXISTING FOOTING
E-MW-EMW0101
NO SCALE



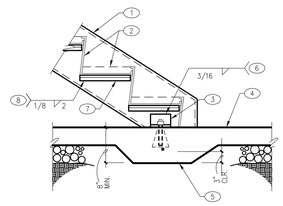
KEY NOTES:
1. STEEL STUD WALL.
2. CONTINUOUS CONCRETE FOOTING.
3. CONCRETE SLAB ON GRADE.
4. HELICAL PILE BY OTHERS, AS OCCURS.
5. 5/8"ø ANCHOR BOLT (OR EXPANSION BOLT) AT 48" O.C. OR HILTI DNI 32 SHOT PINS AT 12" O.C., U.N.O.
6. (1) #4 CONTINUOUS.
7. #4 VERTICAL AT 48" O.C. ALTERNATE BENDS.
8. #4 HOOK 24"/16" AT 48" O.C.

119 STEEL STUD WALL AT CONCRETE FOOTING
NO SCALE



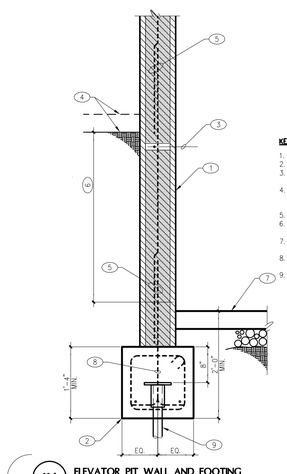
KEY NOTES:
1. HOLDOWN PER SCHEDULE.
2. CONCRETE SLAB ON GRADE.
3. SHEARWALL END POST (DOUBLE STUD AT HOLDOWN U.N.O.)
4. WALL SHEATHING PER PLAN.
5. ANCHOR BOLT PER SHEARWALL HOLDOWN FASTENERS SCHEDULE.
6. SIDEWALK, PAVEMENT, OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
7. CONCRETE FOOTING.
8. 1" MINIMUM / 12" MAXIMUM.
9. (1) #4 CONTINUOUS.
10. #4 HOOK 24"/16" AT 48" O.C.
11. #4 VERTICAL AT 48" O.C. ALTERNATE BENDS.

112 HOLDOWN AT CONCRETE FOUNDATION
HD0302
NO SCALE



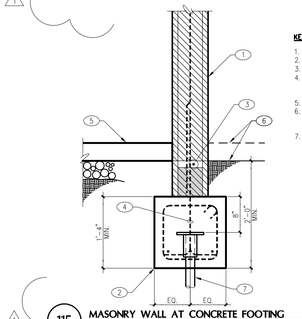
KEY NOTES:
1. STAIR STRINGER.
2. CONCRETE TOPPING OVER 12 GAUGE STEEL PAN.
3. L4X3X5/16" STEEL ANGLE (SLV) X 3" LONG W/ (1) 3/4"ø EXPANSION BOLT.
4. CONCRETE SLAB ON GRADE.
5. CONCRETE FOOTING MONOLITHIC WITH SLAB.
6. WELD (3) SIDES.
7. L1/4"X1/4"X7/16" STEEL ANGLE - TYPICAL.
8. WELD EACH END OF EACH ANGLE - TYPICAL.

113 STAIR STRINGER AT SLAB ON GRADE
STR0114
NO SCALE



KEY NOTES:
1. MASONRY WALL.
2. CONCRETE FOOTING.
3. (1) #4 HORIZONTAL AT 48" O.C.
4. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
5. MINIMUM LAP PER G.S.N.
6. SEE ARCHITECTURAL DRAWINGS.
7. 4'-0" MAXIMUM.
8. INTERIOR CONCRETE SLAB ON GRADE.
9. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING.
10. HELICAL PILES BY OTHERS, AS OCCURS.

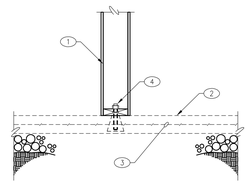
114 ELEVATOR PIT WALL AND FOOTING
NO SCALE



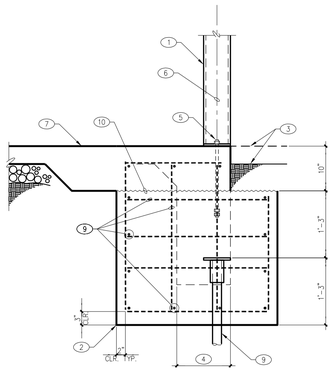
KEY NOTES:
1. MASONRY WALL.
2. CONCRETE FOOTING.
3. (1) #4 CONTINUOUS.
4. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N.-ALTERNATE BENDS.
5. CONCRETE SLAB ON GRADE.
6. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
7. HELICAL PILES BY OTHERS, AS OCCURS.

115 MASONRY WALL AT CONCRETE FOOTING
MW-CF0401
NO SCALE

KEY NOTES:
1. WOOD STUD WALL.
2. EXISTING CONCRETE SLAB.
3. EXISTING WELDED WIRE FABRIC REINFORCING.
4. 1/2"ø BY 4" LONG EXPANSION ANCHOR AT 48" O.C.

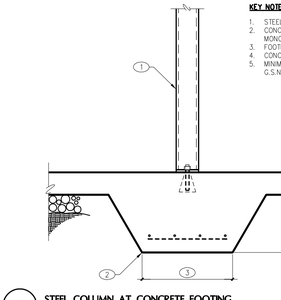


108 WOOD STUD WALL AT EXISTING CONCRETE SLAB
NO SCALE



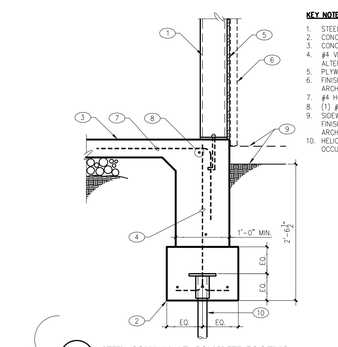
KEY NOTES:
1. STEEL COLUMN.
2. CONCRETE PILE CAP.
3. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
4. CONTINUOUS CONCRETE FOOTING BEYOND W/ REINFORCING CONTINUOUS FROM BEYOND.
5. A.B. W/ NUT AT BOTTOM.
6. CENTERLINE OF STEEL COLUMN AND PILE CAP.
7. CONCRETE SLAB ON GRADE THICKEN OVER PILE CAP.
8. #4 REBAR AT 12" O.C. EACH WAY AT TOP, BOTTOM AND SIDES.
9. HELICAL PILE BY OTHERS (SEE PLAN FOR # OF PILES).
10. COLD JOINT.

109 STEEL COLUMN AT CONCRETE FOUNDATION
NO SCALE



KEY NOTES:
1. STEEL COLUMN.
2. CONCRETE FOOTING WITH MONO SLAB.
3. FOOTING SIZE PER PLAN.
4. CONCRETE SLAB ON GRADE.
5. MINIMUM FOOTING DEPTH PER G.S.N..

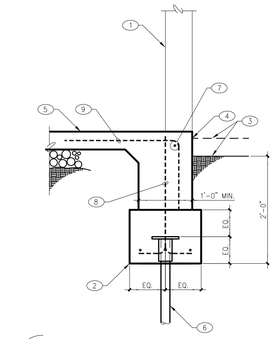
110 STEEL COLUMN AT CONCRETE FOOTING
SC-CF0402
NO SCALE



KEY NOTES:
1. STEEL COLUMN.
2. CONCRETE FOOTING.
3. CONCRETE SLAB ON GRADE.
4. #4 VERTICAL AT 48" O.C. ALTERNATE BENDS.
5. PLYWOOD SHEATHING.
6. FINISH SYSTEM PER ARCHITECTURAL DRAWINGS.
7. #4 HOOK 24"/16" AT 48" O.C.
8. (1) #4 CONTINUOUS.
9. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
10. HELICAL PILE BY OTHERS AS OCCURS.

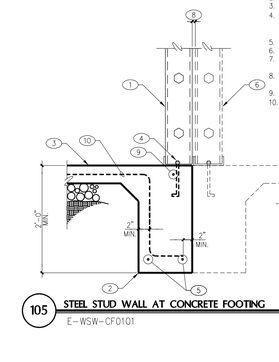
111 STEEL COLUMN AT CONCRETE FOOTING
NO SCALE

KEY NOTES:
1. STEEL STUD WALL BEYOND.
2. CONTINUOUS CONCRETE FOOTING.
3. SIDEWALK, PAVEMENT, OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
4. FINISH SYSTEM PER ARCHITECTURAL DRAWINGS.
5. CONCRETE SLAB ON GRADE.
6. HELICAL PILE BY OTHERS, AS OCCURS.
7. (1) #4 CONTINUOUS.
8. #4 VERTICAL AT 48" O.C. ALTERNATE BENDS.
9. #4 HOOK 24"/16" AT 48" O.C.



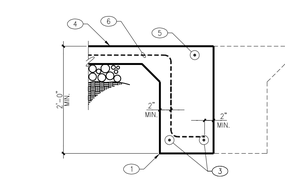
104 STEEL STUD WALL AT CONCRETE FOOTING
NO SCALE

KEY NOTES:
1. STEEL STUD WALL.
2. CONCRETE FOOTING.
3. CONCRETE SLAB ON GRADE.
4. 5/8"ø ANCHOR BOLT (OR EXPANSION BOLT) AT 48" O.C. OR HILTI DNI 32 SHOT PINS AT 12" O.C., U.N.O.
5. FOOTING REINFORCEMENT.
6. EXISTING STEEL BUILDING WALL.
7. EXISTING CONCRETE SLAB AND FOOTING.
8. GAP PER ARCHITECTURAL DRAWINGS.
9. (1) #4 CONTINUOUS.
10. #4 24"/16" AT 48" O.C.



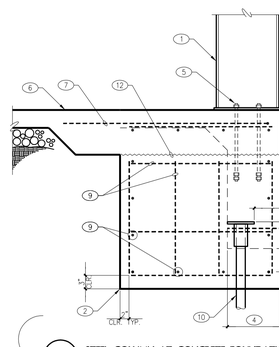
105 STEEL STUD WALL AT CONCRETE FOOTING
E-WSW-CF0101
NO SCALE

KEY NOTES:
1. CONCRETE FOOTING.
2. EXISTING CONCRETE SLAB ON GRADE.
3. FOOTING REINFORCEMENT.
4. CONCRETE SLAB AND FOOTING.
5. (1) #4 CONTINUOUS.
6. #4 24"/16" AT 48" O.C.



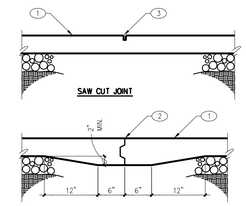
106 CONCRETE FOOTING AT EXISTING CONCRETE FOOTING AT OPENING
NO SCALE

KEY NOTES:
1. STEEL COLUMN.
2. CONCRETE PILE CAP.
3. EXISTING CONCRETE SLAB AND FOOTING.
4. CONTINUOUS CONCRETE FOOTING BEYOND W/ REINFORCING FROM BEYOND.
5. A.B. W/ NUT AT BOTTOM.
6. CONCRETE SLAB ON GRADE, THICKEN AT HAIRPIN BARS AND OVER PILE CAP.
7. HAIRPIN BAR WHERE SHOWN ON PLANS.
8. EXISTING WALL/ COLUMN.
9. #4 REBAR AT 12" O.C. EACH WAY AT TOP, BOTTOM AND SIDES.
10. HELICAL PILES BY OTHERS (SEE PLAN FOR NUMBER OF PILES).
11. #4 X 18" LONG PINS EPOXIED AT 12" O.C. TO EXISTING FOOTING W/ SIMPSON SET-XP.
12. COLD JOINT.



107 STEEL COLUMN AT CONCRETE FOUNDATION
NO SCALE

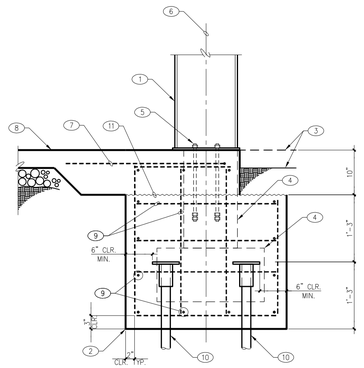
KEY NOTES:
1. CONCRETE SLAB ON GRADE.
2. CONTINUOUS KEYED JOINT.
3. SAWCUT-1/4" WIDE X 1/4" SLAB THICKNESS IN DEPTH-CUT SHALL BE MADE SOON ENOUGH TO PREVENT SHRINKAGE CRACKING, BUT NOT SO SOON AS TO CAUSE SPALLING OF THE CONCRETE WHILE SAWING. WORK MUST BE COMPLETE WITHIN 16 HOURS OF CONCRETE PLACEMENT.



KEYED JOINT

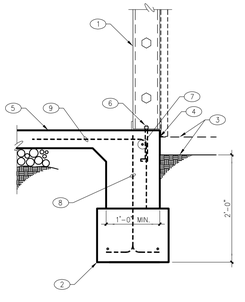
NOTE:
KEYED JOINTS NEED ONLY OCCUR AT EXPOSED EDGES DURING PLACEMENT UNLESS SPECIFICALLY NOTED ON THE PLANS. "TOOL WET JOINT", "ZIP STRIP", ETC. SHALL MATCH SAWCUT REQUIREMENTS.

101 CONTROL JOINTS IN CONCRETE SLAB ON GRADE
CS0101
NO SCALE



KEY NOTES:
1. STEEL COLUMN.
2. CONCRETE PILE CAP.
3. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
4. CONTINUOUS CONCRETE FOOTING BEYOND W/ REINFORCING CONTINUOUS FROM BEYOND.
5. A.B. W/ NUT AT BOTTOM.
6. CENTERLINE OF STEEL COLUMN AND PILE CAP.
7. HAIRPIN BAR WHERE SHOWN ON PLANS.
8. CONCRETE SLAB ON GRADE, THICKEN AT HAIRPIN BARS AND OVER PILE CAP.
9. #4 REBAR AT 12" O.C. EACH WAY AT TOP, BOTTOM AND SIDES.
10. HELICAL PILES BY OTHERS (SEE PLAN FOR NUMBER OF PILES).
11. COLD JOINT.

102 STEEL COLUMN AT CONCRETE FOUNDATION
NO SCALE



KEY NOTES:
1. STEEL STUD WALL.
2. CONTINUOUS CONCRETE FOOTING.
3. SIDEWALK, PAVEMENT, OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
4. FINISH SYSTEM PER ARCHITECTURAL DRAWINGS.
5. CONCRETE SLAB ON GRADE.
6. 5/8"ø ANCHOR BOLT (OR EXPANSION BOLT) AT 48" O.C. OR HILTI DNI 32 SHOT PINS AT 12" O.C., U.N.O.
7. (1) #4 CONTINUOUS.
8. #4 VERTICAL AT 48" O.C. ALTERNATE BENDS.
9. #4 HOOK 24"/16" AT 48" O.C.

103 STEEL STUD WALL AT CONCRETE FOOTING
MB-CF0206
NO SCALE

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JOB NO.: 2016-0104.1 | PROJECT MANAGER: ANDY K. | CAD OPERATOR: MJS

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info@frost-structural.com

REVISIONS	BY
1 PRESCOTT VALLEY PLAN CHECK 7.11.17	AGK

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Registered Professional Engineer (Structural) CERTIFICATE NO. 27541 RICHARD K. FROST Date Signed 7-21-17 ARIZONA U.S.A. EXPIRES 9/30/2017

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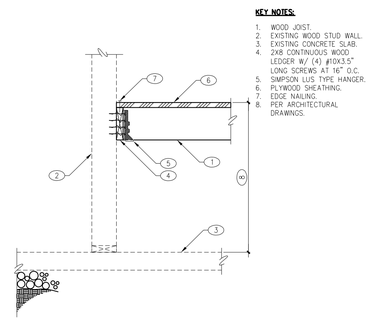
ARCHITECTURE & PLANNING

DRAWING: FOUNDATION DETAILS 100-SERIES

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

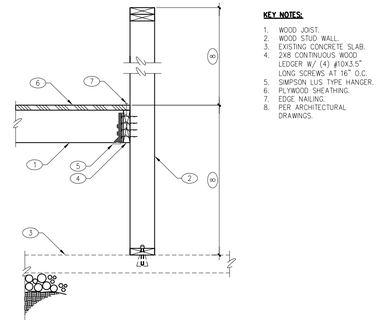
PROJECT: 402-14-047J

DRAWN BY	MJS
CHECKED BY	ANDY K.
DATE	7/21/17
SCALE	AS NOTED
JOB NO.	2016-0104.1
SHEET	S5



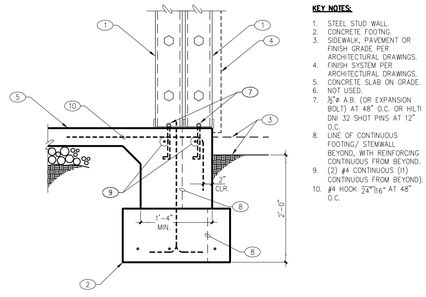
120 WOOD JOIST AT EXISTING WOOD STUD WALL

NO SCALE



121 WOOD JOIST AT WOOD STUD WALL

NO SCALE



122 STEEL STUD WALL AT CONCRETE FOOTING

NO SCALE

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JOB NO.: 2016-0104.1 | PROJECT MANAGER: ANDY K. | CAD OPERATOR: MJS

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REVISIONS	BY

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Registered Professional Engineer (Structural)
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RICHARD K. FROST
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ARCHITECTURE & PLANNING

DRAWING: MORE FOUNDATION DETAILS 100-SERIES

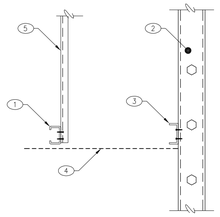
PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

PROJECT: 402-14-047J

DRAWN BY	MJS
CHECKED BY	ANDY K.
DATE	7/21/17
SCALE	AS NOTED
JOB NO.	2016-0104.1
SHEET	S5.1

KEY NOTES:

1. CEILING JOIST 400S162-33 HORIZONTAL AT 48" O.C.
2. STEEL STUD WALL.
3. CONTINUOUS 400T162-33 TRACK W/ (2) #10X1" TEKS SCREWS TO EACH STUD.
4. CEILING AND ATTACHMENT PER ARCHITECTURAL DRAWINGS.
5. VERTICAL CEILING JOIST SUPPORT PER DETAIL (215)

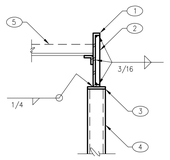


216 CEILING JOIST FRAMING PARALLEL TO STEEL STUD WALL

NO SCALE

KEY NOTES:

1. STEEL STAIR BEAM.
2. ¼" STEEL STIFFENER.
3. ¾" CAP PLATE (BUTT WELD).
4. HSS4X4X¼ STEEL COLUMN.
5. STAIR TREAD PER ARCHITECTURAL DRAWINGS.



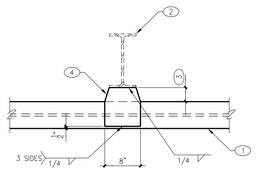
212 STEEL STAIR BEAM AT STEEL COLUMN

STR0109

NO SCALE

KEY NOTES:

1. STEEL BEAM.
2. EXISTING STEEL COLUMN.
3. FIELD VERIFY.
4. ½" THICK STEEL PLATE.

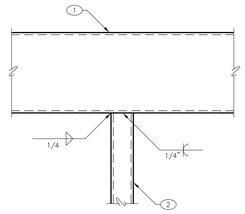


208 STEEL BEAM AT EXISTING STEEL COLUMN

NO SCALE

KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.



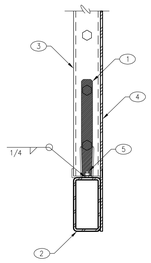
204 STEEL BEAM AT STEEL COLUMN

SB-SC0504

NO SCALE

KEY NOTES:

1. HOLDOWN PER SCHEDULE.
2. STEEL BEAM.
3. SHEARWALL END POST. (DOUBLE STUD AT HOLDOWN U.N.O.).
4. WALL SHEATHING PER PLAN.
5. THREADED STUD.

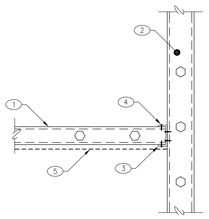


201 HOLDOWN AT STEEL BEAM

NO SCALE

KEY NOTES:

1. CEILING JOIST 400S162-33 HORIZONTAL AT 48" O.C.
2. STEEL STUD WALL.
3. CONTINUOUS 400T162-33 TRACK W/ (2) #10X1" TEKS SCREWS TO EACH STUD.
4. (1) #10X1" TEKS SCREW TOP AND BOTTOM.
5. CEILING AND ATTACHMENT PER ARCHITECTURAL DRAWINGS.

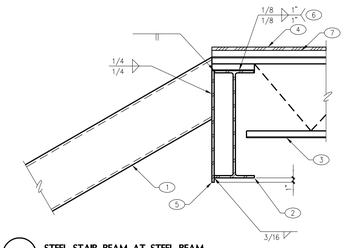


217 CEILING JOIST AT STEEL STUD WALL

NO SCALE

KEY NOTES:

1. STEEL STAIR BEAM.
2. STEEL BEAM.
3. STEEL JOIST.
4. PLYWOOD SHEATHING.
5. STEEL PLATE ⅜"x6".
6. STEEL JOIST TO STEEL BEAM.
7. 2X4 WOOD NAILER, ATTACH PER TYPICAL DETAIL.

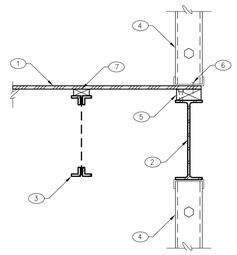


213 STEEL STAIR BEAM AT STEEL BEAM

NO SCALE

KEY NOTES:

1. PLYWOOD SHEATHING – ATTACH PER G.S.N.
2. STEEL BEAM.
3. STEEL JOIST.
4. STEEL STUD WALL.
5. 3X CONTINUOUS PLATE W/ ⅝"ø THREADED STUDS AT 48" O.C. – STAGGERED.
6. EDGE ATTACHMENT.
7. 2X4 WOOD NAILER, ATTACH PER TYPICAL DETAIL.

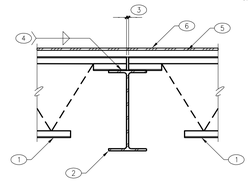


209 PLYWOOD SHEATHING AT STEEL BEAM

NO SCALE

KEY NOTES:

1. STEEL JOIST.
2. STEEL BEAM.
3. ½" MAXIMUM.
4. ⅜" X 1" AT K JOISTS. ¾" X 2" AT LH JOISTS.
5. 2X4 WOOD NAILER, ATTACH PER TYPICAL DETAIL.
6. PLYWOOD SHEAHTING.



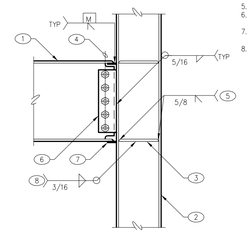
205 STEEL JOISTS AT STEEL BEAM

SJ-SB0101

NO SCALE

KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. ¾" STEEL PLATE TOP AND BOTTOM–EACH SIDE OF WEB.
4. FOR TYPE, SIZE, AND NUMBER OF BOLTS, SEE DETAIL (1) "BOLT SCHEDULE FOR STEEL CONNECTIONS".
5. WELD EACH PLATE.
6. SHEAR PLATE PER TYPICAL CONNECTION DETAIL.
7. STEEL BACKER PLATE FOR MOMENT CONNECTION WELD.
8. WELD (3) SIDES TYPICAL.



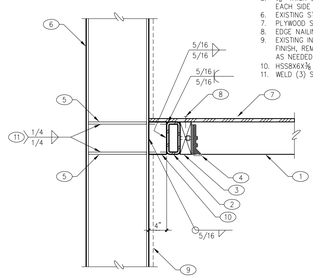
202 MOMENT CONNECTION – STEEL BEAM AT STEEL COLUMN

SB-SC0302-2

NO SCALE

KEY NOTES:

1. WOOD JOIST.
2. STEEL BEAM (HSS8X3X¼) W/ ⅝"ø THREADED STUDS AT 24" O.C.
3. 3X8 WOOD LEDGER.
4. SIMPSON LUS TYPE HANGER.
5. ⅜" THICK STIFFENER PLATES EACH SIDE OF WEB.
6. EXISTING STEEL COLUMN.
7. PLYWOOD SHEATHING.
8. EDGE NAILING.
9. EXISTING INTERIOR WALL FINISH, REMOVE PORTIONS AS NEEDED.
10. HSS8X6X⅜ CONNECTOR.
11. WELD (3) SIDES TYP.

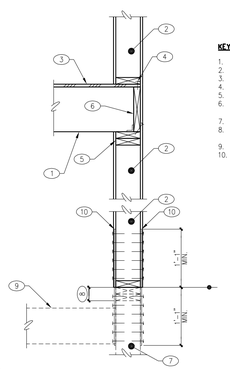


218 WOOD JOIST AT STEEL BEAM

NO SCALE

KEY NOTES:

1. WOOD JOIST.
2. WOOD STUD WALL.
3. PLYWOOD SHEATHING.
4. EDGE NAILING.
5. DOUBLE TOP PLATE.
6. CONTINUOUS RIM JOIST WITH SIMPSON A35 AT 48" O.C.
7. EXISTING WOOD STUD WALL.
8. EXISTING DOUBLE TOP PLATE.
9. REMOVE EXISTING JOISTS.
10. SIMPSON CS16 TYPE STRAP AT EACH STUD.



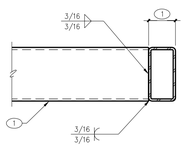
214 WOOD JOIST AT WOOD STUD WALL

WJ-WSW0501

NO SCALE

KEY NOTES:

1. STEEL BEAM.

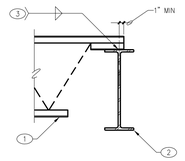


210 STEEL BEAM AT STEEL BEAM

NO SCALE

KEY NOTES:

1. STEEL JOIST.
2. STEEL BEAM.
3. ⅜" X 1" AT K JOISTS. ¾" X 2" AT LH JOISTS.



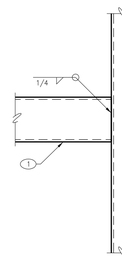
206 STEEL JOIST AT STEEL BEAM

SJ-SB0201

NO SCALE

KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.



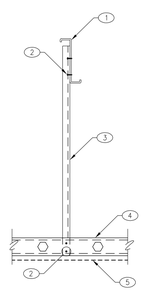
203 STEEL BEAM AT STEEL COLUMN

SB-SC0502

NO SCALE

KEY NOTES:

1. STEEL Z-PURLIN PER PLAN (48" O.C.).
2. (2) #10X1" TEKS SCREWS.
3. 400S162-33 VERTICAL AT 48" O.C.
4. CEILING JOIST 400S162-33 HORIZONTAL AT 48" O.C.
5. CEILING AND ATTACHMENT PER ARCHITECTURAL DRAWINGS.

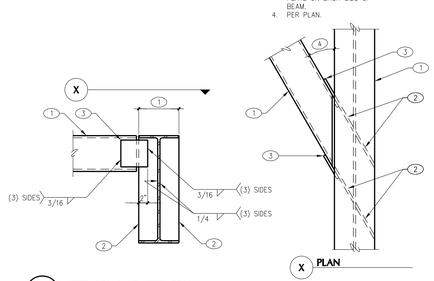


215 CEILING SUPPORT FRAMING

NO SCALE

KEY NOTES:

1. STEEL BEAM.
2. ⅜" THICK STIFFENER PLATE.
3. 6" SQ. X ¼" THICK SHEAR PLATE ON EACH SIDE OF BEAM.
4. PER PLAN.

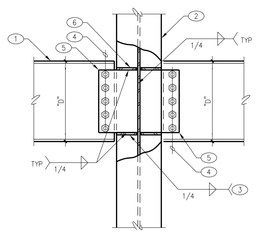


211 STEEL BEAM AT STEEL BEAM

NO SCALE

KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. WELD ⅜" PLATE TO COLUMN FLANGE–TYPICAL.
4. FOR TYPE, SIZE, AND NUMBER OF BOLTS, SEE DETAIL (1) "BOLT SCHEDULE FOR STEEL CONNECTIONS".
5. ⅜" STEEL SHEAR PLATE – ⅜" STEEL SHEAR PLATE WHERE "D"=27" OR GREATER.
6. ½" THICK HORIZONTAL STIFFENER PLATE TOP AND BOTTOM OF SHEAR PLATE – TYPICAL.



NOTE:

BEAM, SHEAR PLATE, STIFFENERS ON ONLY ONE SIDE OF COLUMN AT SIMILAR CONDITION.

207 STEEL BEAM AT STEEL COLUMN

SB-SC0303

NO SCALE

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JOB NO.: 2016-0104.1 | PROJECT MANAGER: ANDY K. | CAD OPERATOR: MJS

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REVISIONS	BY

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Registered Professional Engineer (Structural) CERTIFICATE NO. 27541 RICHARD K. FROST Date Signed 7-21-17 ARIZONA U.S.A. EXPIRES 9/30/2017

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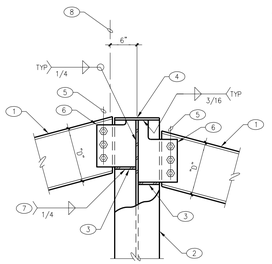
ARCHITECTURE & PLANNING

DRAWING: FLOOR FRAMING DETAILS 200-SERIES

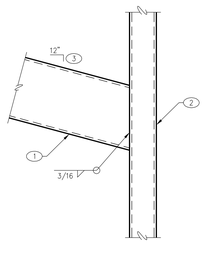
PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

PROJECT: 402-14-047J

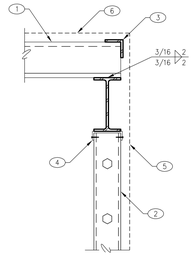
DRAWN BY	MJS
CHECKED BY	ANDY K.
DATE	7/21/17
SCALE	AS NOTED
JOB NO.	2016-0104.1
SHEET	S6



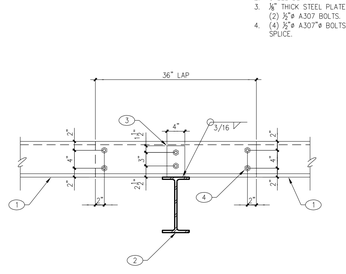
316 STEEL BEAM AT STEEL COLUMN
NO SCALE



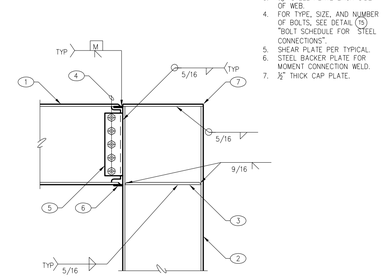
312 STEEL BEAM AT STEEL BEAM
NO SCALE



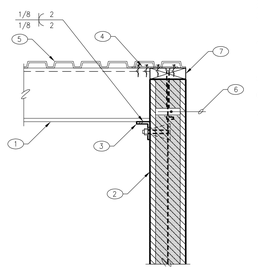
308 STEEL PURLIN AT STEEL STUD WALL
SP-SSW0101 NO SCALE



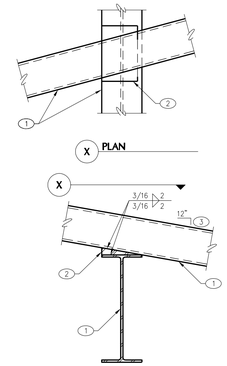
304 STEEL PURLINS AT STEEL BEAM
NO SCALE



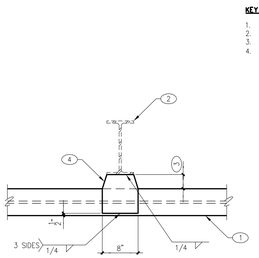
301 MOMENT CONNECTION – STEEL BEAM AT STEEL COLUMN
SB-SC0302-3 NO SCALE



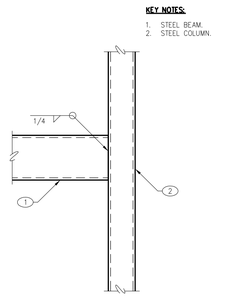
317 STEEL PURLIN AT MASONRY WALL
NO SCALE



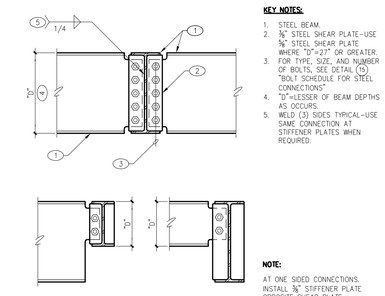
313 STEEL BEAM AT STEEL BEAM
NO SCALE



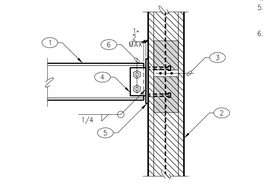
309 STEEL BEAM AT EXISTING STEEL COLUMN
NO SCALE



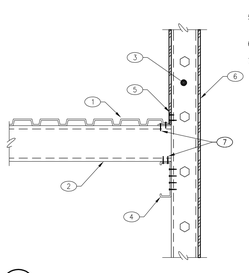
305 STEEL BEAM AT STEEL COLUMN
SB-SC0502 NO SCALE



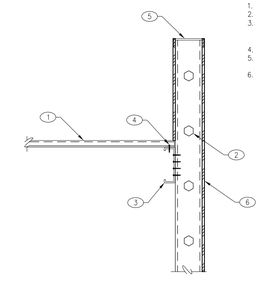
302 STEEL BEAM AT STEEL BEAM
SB-SB0101 NO SCALE



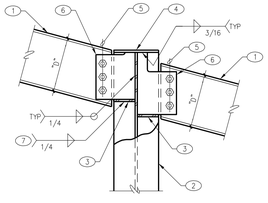
318 STEEL BEAM AT MASONRY WALL
SB-MW0201 NO SCALE



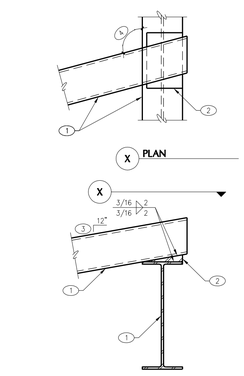
314 STEEL JOIST AT STEEL STUD WALL
NO SCALE



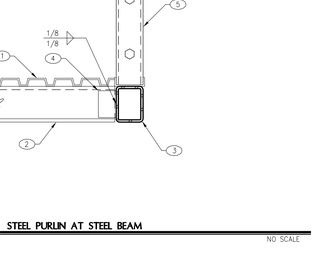
315 STEEL LEDGER AT STEEL STUD WALL
NO SCALE



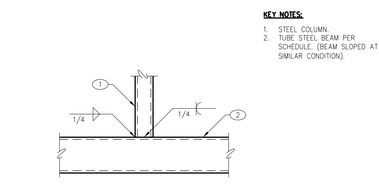
310 STEEL BEAM AT STEEL COLUMN
NO SCALE



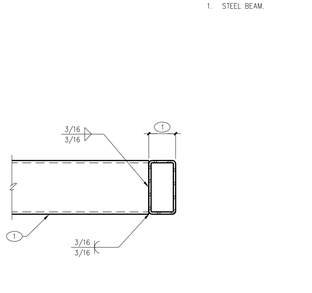
311 STEEL BEAM AT STEEL BEAM
NO SCALE



306 STEEL PURLIN AT STEEL BEAM
NO SCALE



303 STEEL COLUMN AT STEEL BEAM
SC-SB0103 NO SCALE



307 STEEL BEAM AT STEEL BEAM
NO SCALE

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JOB NO.: 2016-0104.1 | PROJECT MANAGER: ANDY K. | CAD OPERATOR: MJS

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ARCHITECTURE & PLANNING

DRAWING: ROOF FRAMING DETAILS 300-SERIES

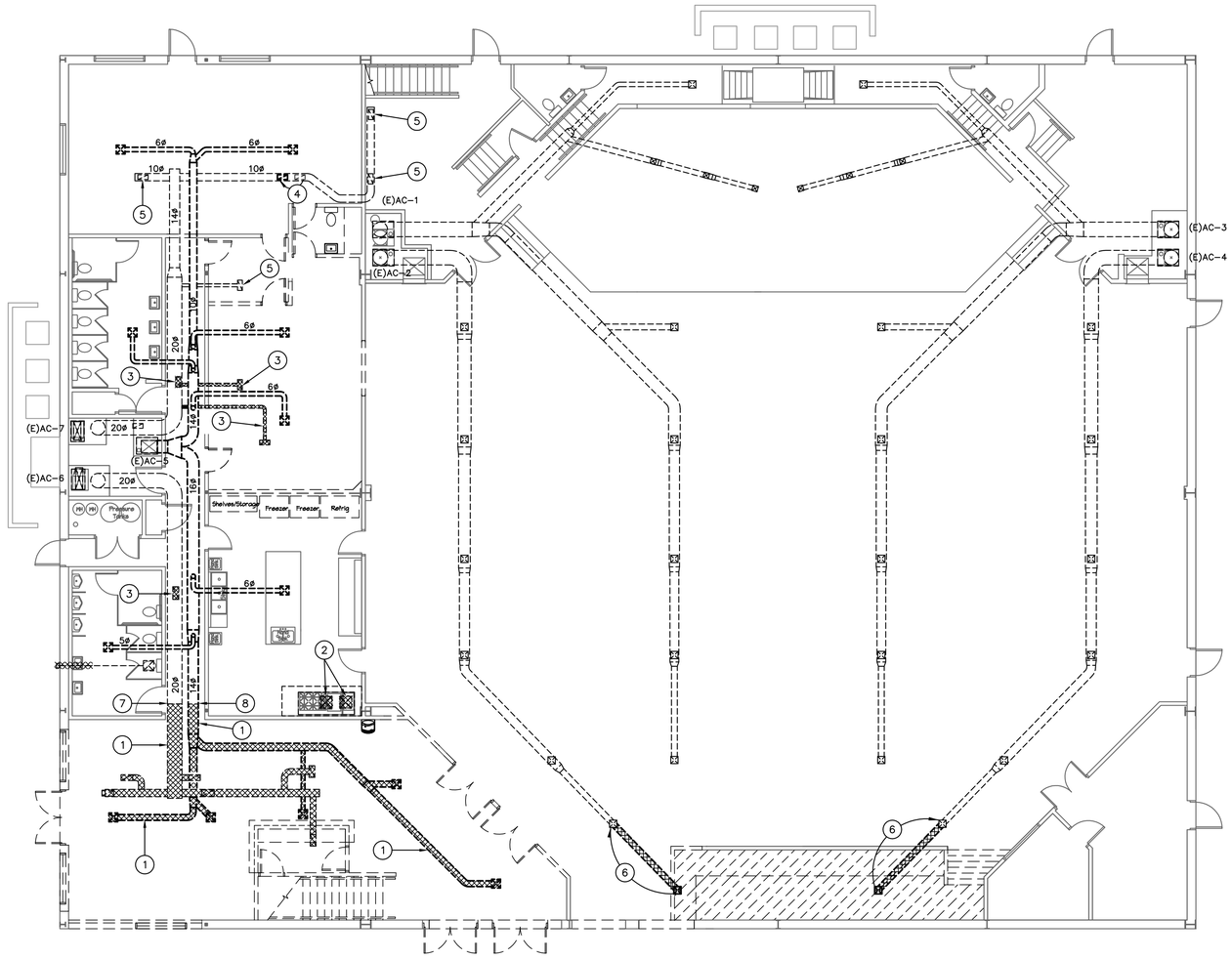
PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

PROJECT: 402-14-047J

DRAWN BY	MJS
CHECKED BY	ANDY K.
DATE	7/21/17
SCALE	AS NOTED
JOB NO.	2016-0104.1
SHEET	S7

KEYNOTES

1. REMOVE EXISTING SUPPLY OR RETURN DUCTWORK AND AIR DEVICES SHOWN HATCHED.
2. REMOVE EXISTING KITCHEN HOOD MAKE UP AIR AND EXHAUST DUCT FROM HOOD CONNECTIONS UP TO 2ND FLOOR CEILING IN ORDER TO RELOCATE MECHANICAL CHASE. REFER TO SHEETS M2.1 & M2.2.
3. REMOVE EXISTING RETURN GRILLE AND BRANCH DUCT. CAP RETURN MAIN AS REQUIRED AIR TIGHT. RETAIN RETURN GRILLE FOR REINSTALLATION PER SHEETS M2.1 AND M2.2.
4. EXISTING RETURN GRILLE TO BE RELOCATED.
5. RETURN GRILLE TO REMAIN.
6. DEMO PORTION OF SUPPLY DUCT SHOWN HATCHED AND RELOCATE SUPPLY GRILLE AS SHOWN.
7. CAP RETURN DUCT. REFER TO SHEET M2.1 FOR NEW WORK.
8. EXISTING SUPPLY TO BE EXTENDED, SEE SHEET M2.1.



M1 Mechanical First Floor Demo Plan

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

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ARCHITECTURE & PLANNING

DRAWING: Mechanical First Floor Demo Plan

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE
July 7th, 2016

JOB NO.
684

SHEET

M1.1

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Project #16062

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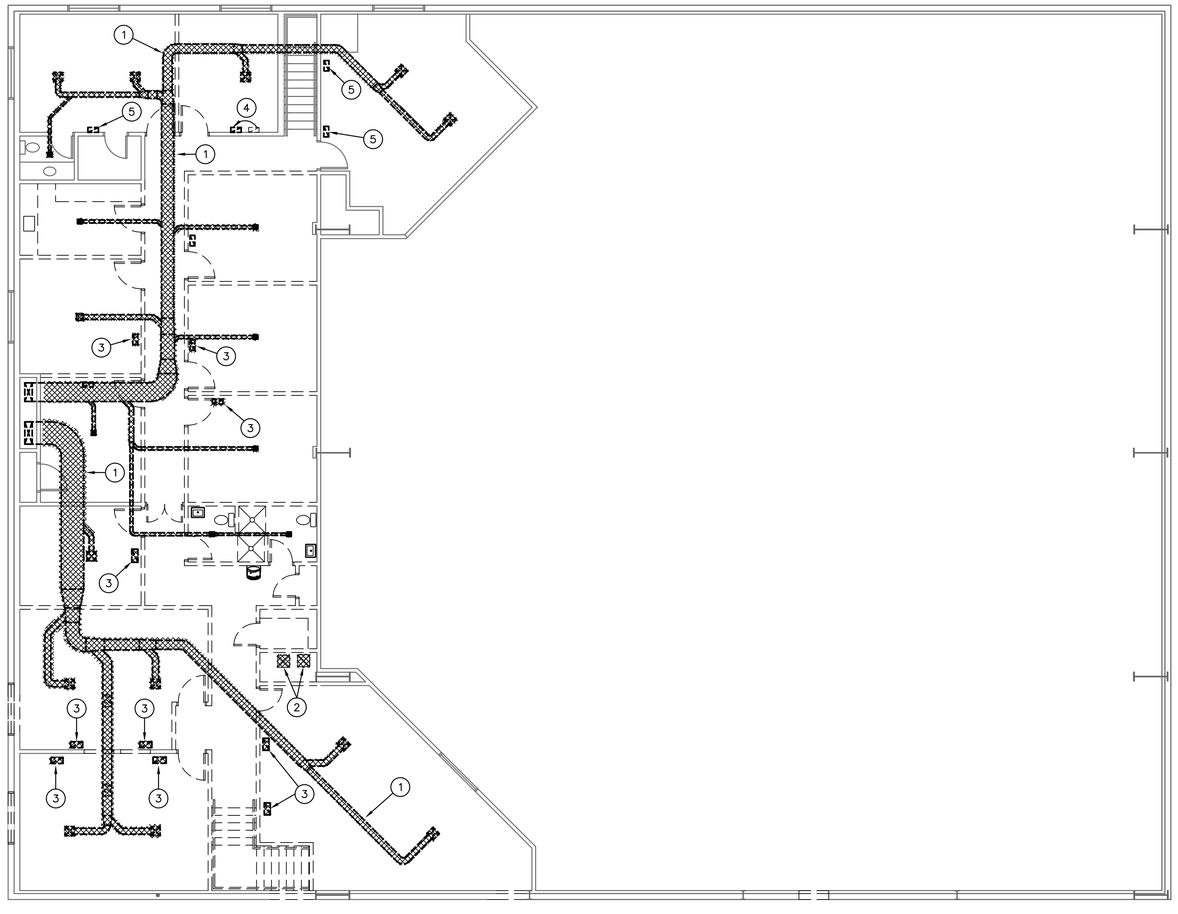
Surprise, AZ 85379
(623) 444-6143

Jul 25, 2016 - 12:59pm

KEYNOTES

1. REMOVE EXISTING SUPPLY DUCTWORK AND AIR DEVICES SHOWN HATCHED.
2. REMOVE EXISTING KITCHEN HOOD MAKE UP AIR AND EXHAUST DUCT UP THROUGH FLOOR TO ABOVE CEILING AS REQUIRED TO OFFSET DUCTS INTO NEW MECHANICAL CHASE, SEE SHEET M2.2.
3. EXISTING FLOOR RETURN GRILL TO BE REMOVED AND RETAINED FOR REINSTALLATION. REFER TO SHEET M2.2.
4. EXISTING FLOOR RETURN GRILL TO BE RELOCATED.
5. EXISTING FLOOR RETURN GRILL TO REMAIN.



M2 Mechanical Second Floor Demo Plan

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

Plan North

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ARCHITECTURE & PLANNING

DRAWING: Mechanical Second Floor Demo Plan

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE July 7th, 2016

JOB NO. 684

SHEET

M1.2

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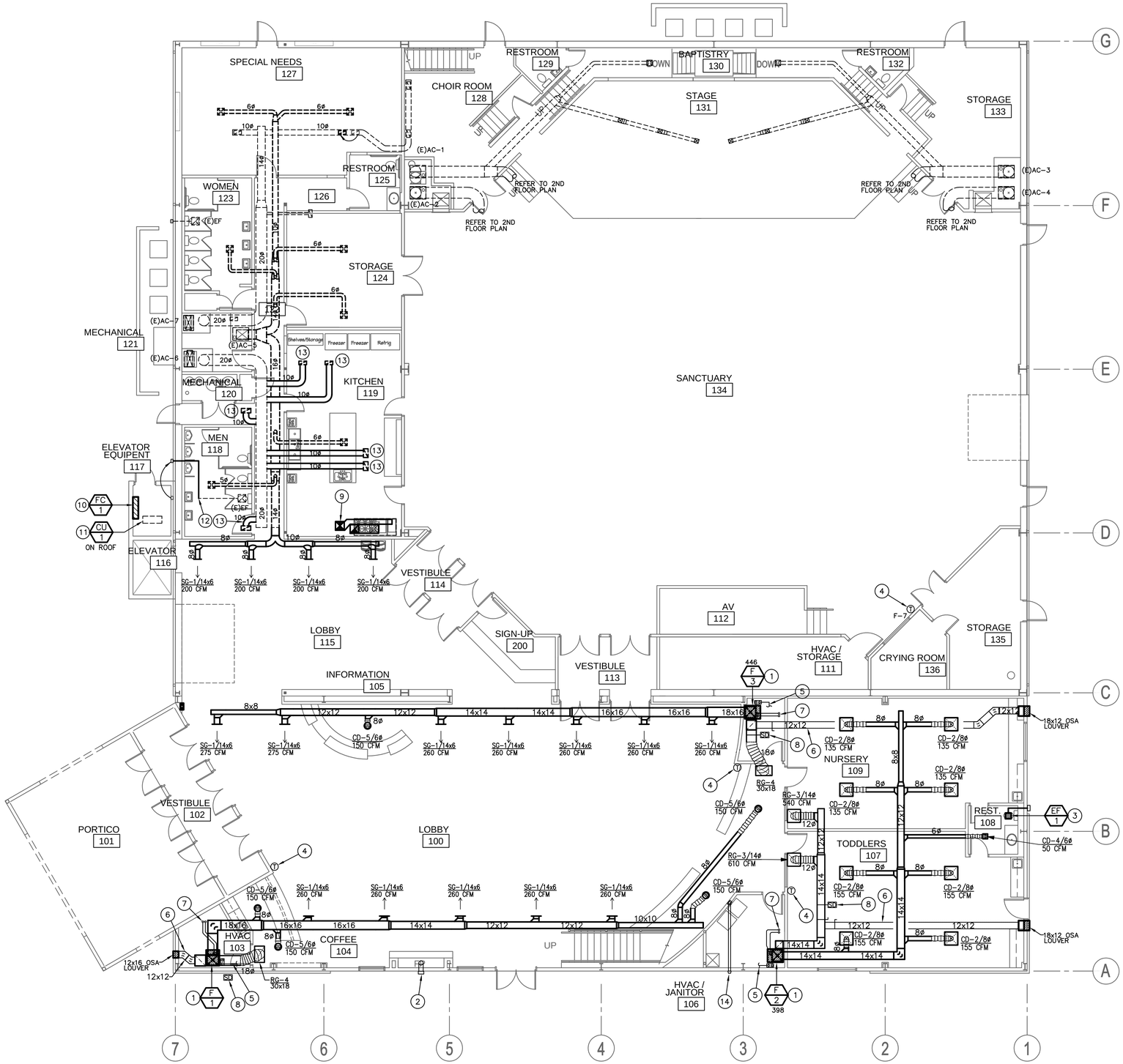

Mechanical First Floor Plan

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

Plan North

KEYNOTES

1. NEW VERTICAL, SEALED COMBUSTION, PROPANE FURNACE. MAINTAIN ALL NECESSARY CLEARANCES AND MAINTENANCE ACCESS REQUIREMENTS. ROUTE AND CONNECT REFRIGERANT LINES FROM CONDENSING UNIT.
2. INSTALL FIREPLACE VENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. CEILING MOUNTED EXHAUST FAN WITH BACKDRAFT DAMPER. TRANSITION EXHAUST DUCT FROM UNIT DISCHARGE AND ROUTE TO MANUFACTURER'S WALL DISCHARGE GRILLE. MAINTAIN A MINIMUM 10' CLEARANCE FROM ALL OUTSIDE AIR INTAKES. FAN SHALL OPERATE VIA WALL SWITCH.
4. PROVIDE HEATING/COOLING PROGRAMMABLE THERMOSTAT ON WALL AT 48" ABOVE FINISHED FLOOR. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/OWNER.
5. EXTEND NEW 3/4" TYPE 'M' COPPER CONDENSATE DRAIN PIPING FROM UNIT CONNECTION AND ROUTE TO "LITTLE GIANT" #VCMA-15 CONDENSATE PUMP. ROUTE PUMPED CONDENSATE TO EXTERIOR OR EXTEND TO JANITORS SINK. PROVIDE WITH OPTIONAL SAFETY SWITCH TO SHUT DOWN CONDENSER UPON HIGH LEVEL.
6. EXTEND OUTSIDE AIR DUCT (WITH BALANCE DAMPER) FROM RETURN DUCT TO OSA INTAKE LOUVER. BALANCE OUTSIDE AIR AS SHOWN ON SCHEDULE. INTAKE TO BE RUSKIN #ELF, OR SIMILAR.
7. PVC COMBUSTION AIR INTAKE AND VENT PIPING UP FROM UNIT AND ROUTED UP THROUGH 2ND FLOOR TO ROOF CONCENTRIC TERMINATION. INSTALLATION SHALL BE IN ACCORDANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE INSTALLED LENGTH AND FITTINGS.
8. INSTALL SMOKE DETECTOR IN RETURN AIR DUCT FOR AUTO SHUT-OFF UPON DETECTION OF SMOKE AS PER SECTION 606, 2012 IMC. SMOKE DETECTOR SHALL BE DOWN STREAM OF ANY FILTER OR OSA. THE DUCT SMOKE DETECTOR(S) SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM (IMC 606.4.1). DETECTOR PROVIDED AND WIRED BY FIRE ALARM CONTRACTOR.
9. OFFSET NEW KITCHEN HOOD EXHAUST AND MAKE UP AIR DUCTS TO LOCATION OF NEW VERTICAL CHASE. FIELD VERIFY EXISTING CONDITIONS AND SIZES.
10. WALL MOUNTED MINI-SPLIT FAN COIL. MOUNT PER MANUFACTURER'S INSTRUCTIONS, PROVIDE WITH CONDENSATE PUMP.
11. MINI-SPLIT CONDENSER ON ROOF. SLEEVE REFRIGERANT PIPING DOWN THROUGH ROOF AND TO FAN COIL UNIT.
12. EXTEND EXHAUST DUCT AS REQUIRED TO RELOCATE DISCHARGE. FIELD VERIFY EXACT SIZE AND LOCATION.
13. EXTEND 10ø RETURN DUCT FROM EXISTING MAIN TO RELOCATED 2ND FLOOR RETURN GRILLE.
14. 4"ø RIGID DRYER DUCT WITH RECESSED DRYER BOX RECEPTACLE. INSTALL PER CODE TO WALL DISCHARGE. MAXIMUM LENGTH SHALL NOT EXCEED 25 FEET (EXCEPT AS ALLOWED BY DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS). EXHAUST DUCT SHALL BE SECURED TO FRAMING MEMBERS WITH STRAPS AND NOT CONNECTED OR SECURED USING SCREWS OR OTHER FASTENING MEANS WHICH EXTEND INTO DUCT. PROVIDE DRYER DISCHARGE CAP, WITH BACKDRAFT DAMPER.

REVISIONS	BY

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ARCHITECTURE & PLANNING

DRAWING: Mechanical First Floor Plan

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE July 7th, 2016

JOB NO. 684

SHEET **M2.1**

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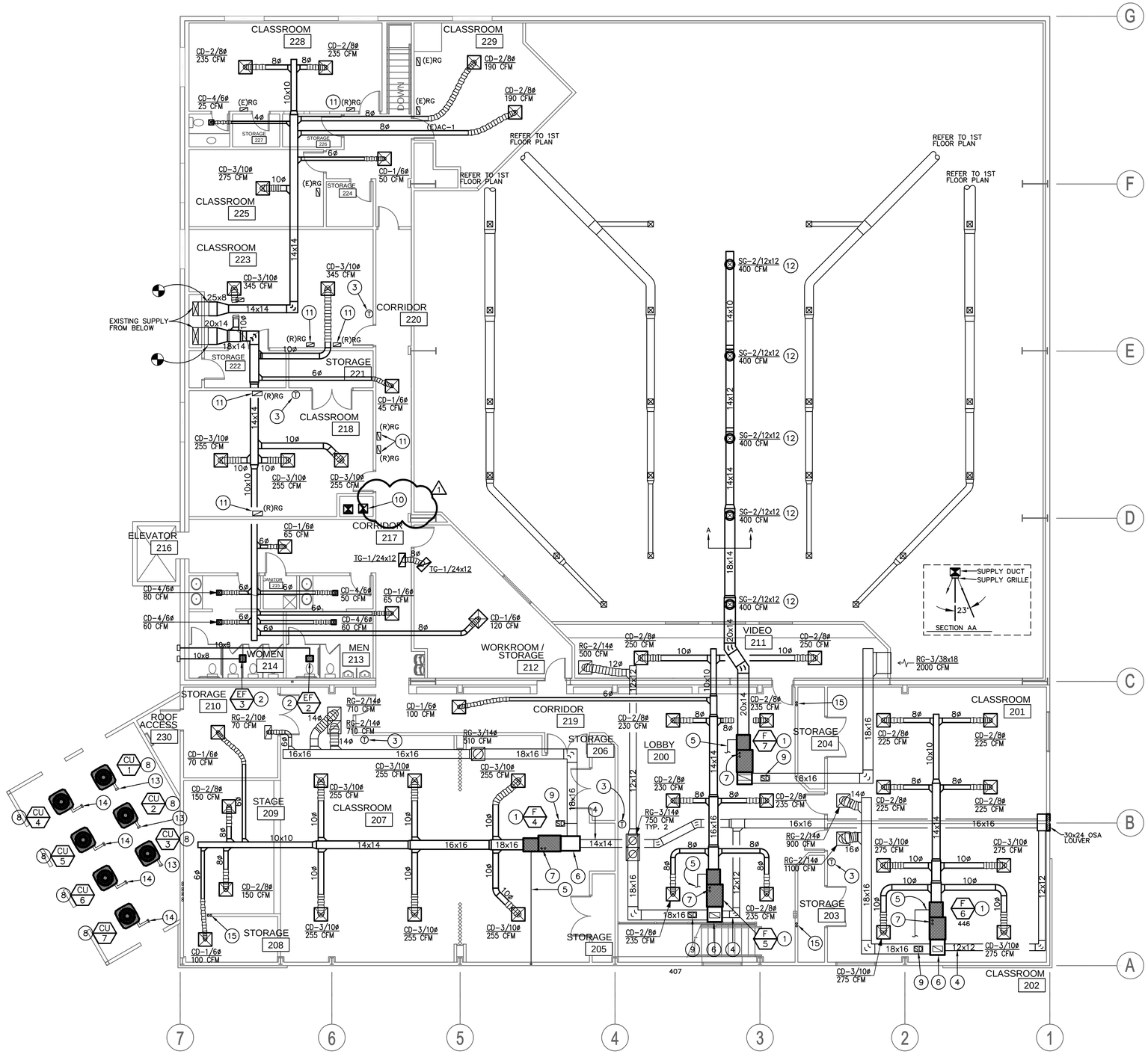
Jul 25, 2016 - 12:59pm



KEYNOTES

1. NEW HORIZONTAL, SEALED COMBUSTION, PROPANE FURNACE ABOVE CEILING. MAINTAIN ALL NECESSARY CLEARANCES AND MAINTENANCE ACCESS REQUIREMENTS. ROUTE AND CONNECT REFRIGERANT LINES FROM CONDENSING UNIT.
2. CEILING MOUNTED EXHAUST FAN WITH BACKDRAFT DAMPER. TRANSITION EXHAUST DUCT FROM UNIT DISCHARGE AND ROUTE TO MANUFACTURER'S WALL DISCHARGE. MAINTAIN A MINIMUM 10' CLEARANCE FROM ALL OUTSIDE AIR INTAKES. FAN SHALL OPERATE VIA WALL SWITCH.
3. PROVIDE HEATING/COOLING PROGRAMMABLE THERMOSTAT ON WALL AT 48" ABOVE FINISHED FLOOR. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/OWNER.
4. EXTEND OUTSIDE AIR DUCT (WITH BALANCE DAMPER) FROM RETURN DUCT TO OSA INTAKE LOUVER. BALANCE OUTSIDE AIR AS SHOWN ON SCHEDULE. INTAKE TO BE RUSKIN #ELF, OR SIMILAR.
5. EXTEND NEW 3/4" TYPE 'M' COPPER CONDENSATE DRAIN PIPING FROM UNIT CONNECTION AND ABOVE CEILING AND THEN DOWN IN WALL TO EXTERIOR OR MOP SINK. SLOPE ALL DRAIN PIPING AT A MINIMUM 1/8" PER FOOT TOWARD DISCHARGE LOCATION.
6. LINED RETURN PLENUM WITH RETURN AND OUTSIDE AIR CONNECTIONS. PROVIDE BALANCING DAMPERS ON EACH.
7. PVC COMBUSTION AIR INTAKE AND VENT PIPING UP THROUGH ROOF TO CONCENTRIC TERMINATION PER MANUFACTURER. SHALL BE IN ACCORDANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE INSTALLED LENGTH AND FITTINGS.
8. CONDENSING UNIT ON REDWOOD SLEEPERS OR PREMANUFACTURERED PAD. PROVIDE CLEARANCES AS PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO COMMENCING WORK.
9. INSTALL SMOKE DETECTOR IN RETURN AIR DUCT FOR AUTO SHUT-OFF UPON DETECTION OF SMOKE AS PER SECTION 606, 2012 IMC. SMOKE DETECTOR SHALL BE DOWN STREAM OF ANY FILTER OR OSA. THE DUCT SMOKE DETECTOR(S) SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM (IMC 606.4.1). DETECTOR PROVIDED AND WIRED BY FIRE ALARM CONTRACTOR.
10. NEW KITCHEN HOOD EXHAUST AND MAKE UP AIR DUCTS ROUTED UP THROUGH NEW MECHANICAL CHASE. OFFSET ABOVE CEILING AND CONNECT TO EXISTING DUCT FROM EXISTING ROOF MOUNTED EQUIPMENT.
11. RELOCATED EXISTING 18x6 FLOOR RETURN GRILLE. SEE SHEET M2.1 FOR NEW RETURN DUCTWORK IN 1ST FLOOR CEILING.
12. DOUBLE DEFLECTION SUPPLY GRILLE HAS BEEN DESIGNED TO THROW AIR 22.5° FROM VERTICAL.
13. SLEEVE REFRIGERANT PIPING THROUGH ROOF AND EXTEND TO FURNACE COILS ON 1ST FLOOR.
14. SLEEVE REFRIGERANT PIPING THROUGH ROOF AND ROUTE IN CEILING AS NECESSARY FROM CONDENSING UNIT TO CORRESPONDING FURNACE COIL ON 2ND FLOOR. SIZE, INSULATED AND INSTALL PIPING PER MANUFACTURER'S RECOMMENDATIONS. FOLLOW MANUFACTURER'S PIPING GUIDE FOR ANY PIPING LENGTHS OVER 50 FEET. INSULATE REFRIGERANT PIPING PER SPECIFICATIONS.
15. 3" PVC INTAKE/VENT PIPING UP IN WALL FROM FURNACE ON 1ST FLOOR AND TO CONCENTRIC ROOF TERMINATION.

M2 Mechanical Second Floor Plan

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

Plan North

REVISIONS	BY
1 07-20-17 CITY COMMENTS	JWS

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DRAWING: Mechanical Second Floor Plan

PROJECT: Lifepointe Church
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APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE July 7th, 2016

JOB NO. 684

SHEET M2.2

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Jul 25, 2016 - 12:59pm

EXHAUST FAN SCHEDULE

MARK	SERVES	MANUF.	MODEL	CFM	E.S.P. (in. wg)	MOTOR HP OR WATTS	MOTOR V/PH	DRIVE	SONES	WEIGHT LBS	REMARKS
1	REST. 108	GREENHECK	SP-B90	75	.25	54 WATTS	120/1	DIRECT	2.0	10	1 2
2	MEN 213	GREENHECK	SP-A390	300	.25	135 WATTS	120/1	DIRECT	4.5	24	1 3
3	WOMEN 214	GREENHECK	SP-A390	300	.25	135 WATTS	120/1	DIRECT	4.5	24	1 3

1. UNIT TO OPERATE VIA WALL SWITCH.
2. PROVIDE WITH #WC-6 WALL DISCHARGE.
3. PROVIDE WITH #WC-8 WALL DISCHARGE.

ASHRAE 62.1 OUTSIDE AIR CALCULATION

F-1

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Lobby	1140	50	5	57	0.06	1140	353.4
Storage	50	0	0	0	0.12	50	6
Coffee Bar	107	20	5	2.14	0.06	107	17.12
Halls and Corridors	300	0	10	0	0.06	300	18
Balance F-1 for 395 CFM				**Total Net OSA Required**			395

F-2

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Classroom	1000	25	10	25	0.12	1000	370
Halls and Corridors	400	0	10	0	0.06	400	24
Storage	59	0	10	0	0.06	59	3.54
Balance F-2 for 398 CFM				**Total Net OSA Required**			398

F-3

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Lobby	1320	50	5	66	0.06	1320	409.2
Office	150	5	5	0.75	0.06	150	12.75
Halls and Corridors	400	0	10	0	0.06	400	24
Balance F-3 for 446 CFM				**Total Net OSA Required**			446

F-4

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Classroom	1240	25	10	31	0.12	1240	458.8
Halls and Corridors	787	0	10	0	0.06	787	47.22
Storage	300	0	10	0	0.06	300	18
Balance F-4 for 524 CFM				**Total Net OSA Required**			524

F-5

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Lobby	1160	50	5	58	0.06	1160	359.6
Video	373	5	5	1.865	0.06	373	31.705
Halls and Corridors	258	0	10	0	0.06	258	15.48
Balance F-5 for 407 CFM				**Total Net OSA Required**			407

F-6

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Classroom	1156	25	10	28.9	0.12	1156	427.72
Halls and Corridors	300	0	10	0	0.06	300	18
Storage	0	0	10	0	0.06	0	0
Balance F-6 for 446 CFM				**Total Net OSA Required**			446

6.2.2.1 Breathing Zone Outdoor Airflow. The design outdoor airflow required in the *breathing zone* of the occupiable space or spaces in a *zone, i.e., the breathing zone outdoor airflow* (V_{bz}), shall be determined in accordance with Equation 6-1.

$$V_{bz} = R_p \cdot P_z + R_a \cdot A_z \qquad (6\text{-}1)$$

where

A_z = *zone floor area*: the net occupiable floor area of the *zone* m^2 (ft^2)

P_z = *zone population*: the largest number of people expected to occupy the zone during typical usage. If the number of people expected to occupy the zone fluctuates, P_z may be estimated based on averaging approaches described in Section 6.2.6.2

Note: If P_z cannot be accurately predicted during design, it shall be an estimated value based on the zone floor area and the default occupant density listed in Table 6-1.

R_p = outdoor airflow rate required per person as determined from Table 6-1

Note: These values are based on adapted occupants.

R_a = outdoor airflow rate required per unit area as determined from Table 6-1

CONDENSING UNIT SCHEDULE

MARK	NOMINAL TONS	MFG'R	MODEL #	COOLING CAPACITY TOTAL	COOLING CAPACITY SENS.	DESIGN COND. DB/WB	INDOOR COIL MODEL #	COIL ENT. AIR DB/WB	ELECTRICAL DATA MCA	ELECTRICAL DATA FUSE	ELECTRICAL DATA V / Ø	MINIMUM SEER	REFRIGERANT	WEIGHT (LBS)	NOTES
CU-1	5	TRANE	4TTR6060	54.1	49.2	95/63	SELECTED BY MFG.	80°/63°	32.0	50	208/230 1ø	16	R-410A	275	1 2 3 4 5 6 7
CU-2	3	TRANE	4TTR6036	34.1	32.9	95/63	SELECTED BY MFG.	80°/63°	19.0	30	208/230 1ø	16	R-410A	193	1 2 3 4 5 6 7
CU-3	5	TRANE	4TTR6060	54.1	49.2	95/63	SELECTED BY MFG.	80°/63°	32.0	50	208/230 1ø	16	R-410A	275	1 2 3 4 5 6 7
CU-4	5	TRANE	4TTR6060	54.1	49.2	95/63	SELECTED BY MFG.	80°/63°	32.0	50	208/230 1ø	16	R-410A	275	1 2 3 4 5 6 7
CU-5	5	TRANE	4TTR6060	54.1	49.2	95/63	SELECTED BY MFG.	80°/63°	32.0	50	208/230 1ø	16	R-410A	275	1 2 3 4 5 6 7
CU-6	5	TRANE	4TTR6060	54.1	49.2	95/63	SELECTED BY MFG.	80°/63°	32.0	50	208/230 1ø	16	R-410A	275	1 2 3 4 5 6 7
CU-7	5	TRANE	4TTR6060	54.1	49.2	95/63	SELECTED BY MFG.	80°/63°	32.0	50	208/230 1ø	16	R-410A	275	1 2 3 4 5 6 7

1. INSTALL UNIT PER MANUFACTURER'S WRITTEN DIRECTIONS. SLEEVE PIPING PENETRATIONS THROUGH ROOF, SEAL WATERTIGHT AND PROVIDE ESCUTCHEONS.
2. UNIT SHALL BE PROVIDED WITH TRANE PROGRAMMABLE THERMOSTAT.
3. PROVIDE 10-YEAR COMPRESSOR WARRANTY AND 5-YEAR FOR OTHER COMPONENTS.
4. PROVIDE UNIT COMPLETE WITH ALL NECESSARY DISCONNECTS, OVERLOADS AND CONTROL COMPONENTS.
5. SIZE AND INSTALL ALL REFRIGERANT PIPING PER MFG'RS. INSTRUCTIONS.
6. PROVIDE INDOOR FAN COIL UNIT COMPLETE WITH MOTOR STARTER AS REQUIRED.
7. PROVIDE LOW AMBIENT CONTROL KIT FOR OPERATION DOWN TO 30°F.

FURNACE SCHEDULE

MARK	NOMINAL TONS	MFG'R	MODEL #	ORIENTATION	CFM	OSA	E.S.P. ("W.G.)	HEATING CAPACITY INPUT	HEATING CAPACITY OUTPUT	VENT SIZE	VENTING TYPE	FUEL	Min. A.F.U.E.	ELECTRICAL DATA H.P.	ELECTRICAL DATA V/Ø/Hz	FILTER TYPE	WEIGHT W/O COIL	NOTES
F-1	5	TRANE	TUC1D120	VERTICAL	2000	395	0.60	120,000	113,000	3"	2-PIPE SEALED	PROPANE	92%	3/4	120/1/60	DISPOSABLE	193	1 2 3 4
F-2	3	TRANE	TUC1B060	VERTICAL	1200	398	0.60	60,000	56,000	2"	2-PIPE SEALED	PROPANE	92%	1/3	120/1/60	DISPOSABLE	140	1 2 3 4
F-3	5	TRANE	TUC1D120	VERTICAL	2000	446	0.60	120,000	113,000	3"	2-PIPE SEALED	PROPANE	92%	3/4	120/1/60	DISPOSABLE	193	1 2 3 4
F-4	5	TRANE	TUC1D120	HORIZONTAL	2000	524	0.60	120,000	113,000	3"	2-PIPE SEALED	PROPANE	92%	3/4	120/1/60	DISPOSABLE	193	1 2 3 4
F-5	5	TRANE	TUC1D120	HORIZONTAL	2000	407	0.60	120,000	113,000	3"	2-PIPE SEALED	PROPANE	92%	3/4	120/1/60	DISPOSABLE	193	1 2 3 4
F-6	5	TRANE	TUC1D120	HORIZONTAL	2000	446	0.60	120,000	113,000	3"	2-PIPE SEALED	PROPANE	92%	3/4	120/1/60	DISPOSABLE	193	1 2 3 4
F-7	5	TRANE	TUC1D120	HORIZONTAL	2000	0 6	0.60	120,000	113,000	3"	2-PIPE SEALED	PROPANE	92%	3/4	120/1/60	DISPOSABLE	193	1 2 3 5

1. INSTALL WITH CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS.
2. SIZE AND INSTALL 2 PIPE VENT PIPING PER MANUFACTURER'S INSTRUCTIONS FOR ACTUAL INSTALLED LENGTHS. PROVIDE CONCENTRIC ROOF OR WALL TERMINATION AS REQUIRED.
3. PROVIDE LEFT OR RIGHT CONNECTIONS AS REQUIRED FOR ACCESS.
4. HORIZONTAL UNIT.
5. VERTICAL UNIT.
6. SUPPLEMENTAL COOLING UNIT. NO OSA PROVIDED. OSA DELIVERED THROUGH EXISTING UNITS.

DUCT FREE SPLIT SYSTEM

OUTDOOR UNIT EQUIP. NO.	MANUFACTURER	MODEL NO.	MCA 1	VOLTS/ PHASE	RATED COOLING CAPACITY	RATED HEATING CAPACITY	WEIGHT	INDOOR UNIT EQUIP. NO.	MANUFACTURER	MODEL NO.	NOMINAL COOLING CAPACITY BTUH	VOLTS/ PHASE	WEIGHT	REMARKS
CU-1	LENNOX	MPA009S4-1P	15.0	208/230, 1ø	9,000	10,000	82 LBS	FC-2	LENNOX	MWMA009S4-1P	9,000	208/230, 1ø	20 LBS	1 2 3 4 5 6

1. COMBINED INDOOR/OUTDOOR UNIT AMPS. INDOOR UNIT POWERED FROM OUTDOOR UNIT.
2. INVERTER COMPRESSOR.
3. CONDENSATE SENSOR CONNECTION.
4. OPERATING TEMERATURES- COOLING 122 DEGREES, HEATING -4 DEGREES
5. SIZE AND INSTALL REFRIGERANT LINES AS RECOMMENDED BY MANUFACTURER'S WRITTEN INSTRUCTIONS. INSULATE PIPING WITH 1" INSULATION, PER IECC.
6. PROVIDE WITH CONDENSATE PUMP.

GRILLES/REGISTERS/DIFFUSERS SCHEDULE

MARK	DESCRIPTION	MODULE SIZE	TYPE	OBD	FRAME	MATERIAL	FINISH	MANUF.	MODEL	REMARKS
CD-1	SUPPLY DIFFUSER	24" x 24"	CEILING	NO	T-BAR	STEEL	WHITE	TITUS	TMS	6ø NECK
CD-2	SUPPLY DIFFUSER	24" x 24"	CEILING	NO	T-BAR	STEEL	WHITE	TITUS	TMS	8ø NECK
CD-3	SUPPLY DIFFUSER	24" x 24"	CEILING	NO	T-BAR	STEEL	WHITE	TITUS	TMS	10ø NECK
CD-4	SUPPLY DIFFUSER	9" x 9"	SQUARE LOUVERED	NO	SURFACE	STEEL	WHITE	TITUS	TDC	6ø NECK
CD-5	SUPPLY DIFFUSER	6" NECK	ROUND CEILING	NO	SURFACE	STEEL	WHITE	TITUS	TMRA	6ø NECK
RG-1	RETURN GRILLE	24" x 12"	SINGLE DFL	NO	T-BAR	STEEL	WHITE	TITUS	350RL	12ø NECK
RG-2	RETURN GRILLE	24" x 24"	SINGLE DFL	NO	T-BAR	STEEL	WHITE	TITUS	350RL	16ø NECK
RG-3	WALL RETURN GRILLE	38" x 18"	SINGLE DFL	NO	SURFACE	STEEL	WHITE	TITUS	350RL	
SG-1	SUPPLY GRILLE	14" x 6"	DOUBLE DFL	NO	SURFACE	STEEL	WHITE	TITUS	300RL	
SG-2	SUPPLY GRILLE	12" x 12"	DOUBLE DFL	NO	SURFACE	STEEL	WHITE	TITUS	300RL	
TG-1	TRANSFER GRILLE	24" x 12"	SINGLE DFL	NO	SURFACE	STEEL	WHITE	TITUS	350RL	8ø NECK

REVISIONS	BY

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Registered Professional Engineer
33491
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date signed 6/15/17
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Expires 3/31/17

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PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE July 7th, 2016

JOB NO. 684

SHEET

M3.1

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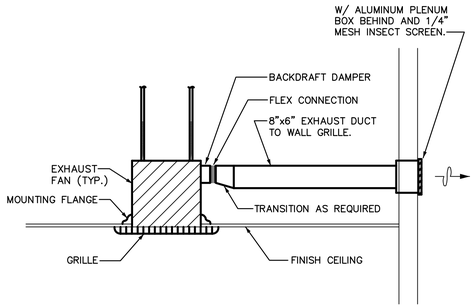
Jul 25, 2016 - 12:59pm



EXHAUST FAN DETAIL 6 / M4.1

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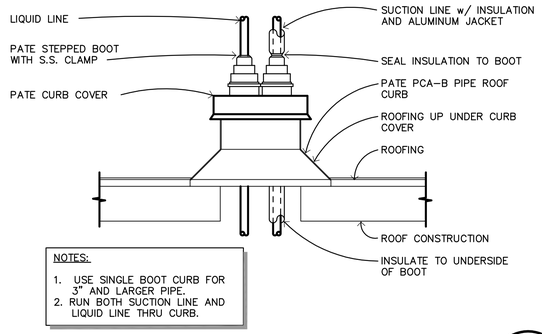
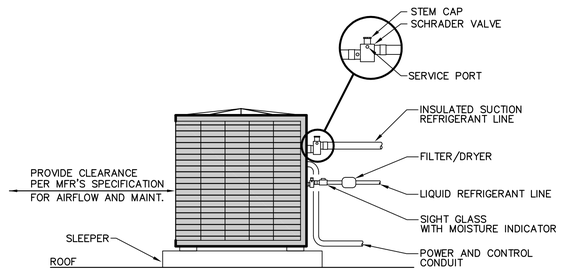


PIPE THRU ROOF DETAIL 7 / M4.1



CONDENSING UNIT DETAIL 8 / M4.1

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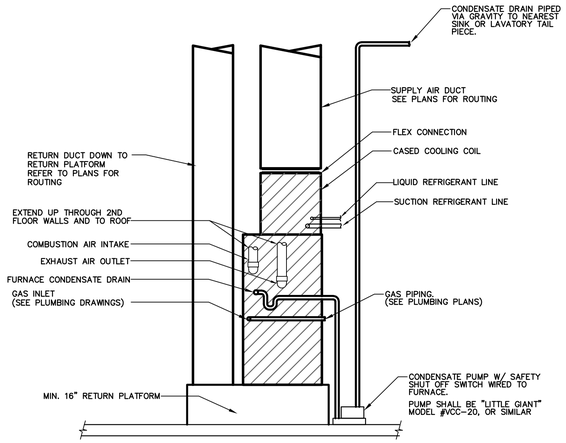

VERTICAL PROPANE FURNACE DETAIL 4 / M4.1

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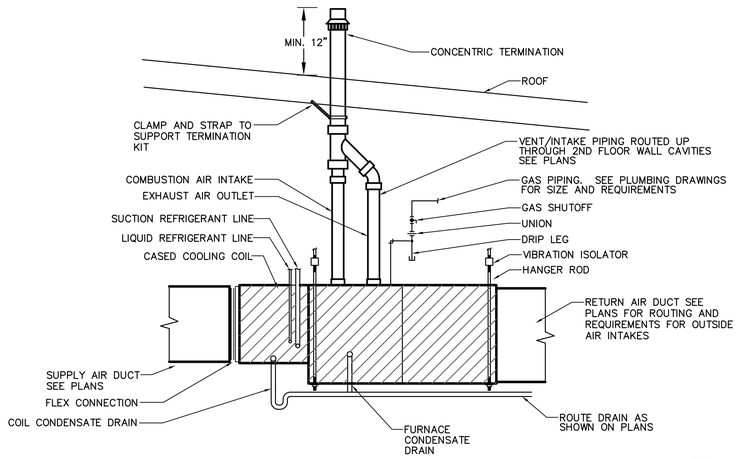

HORIZONTAL PROPANE FURNACE DETAIL 5 / M4.1

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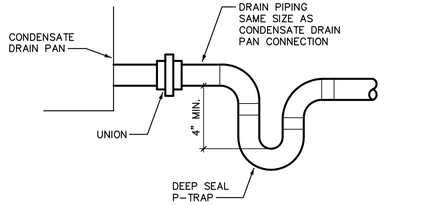
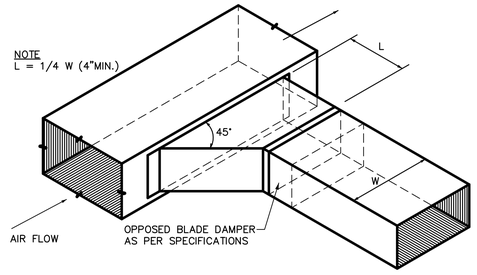


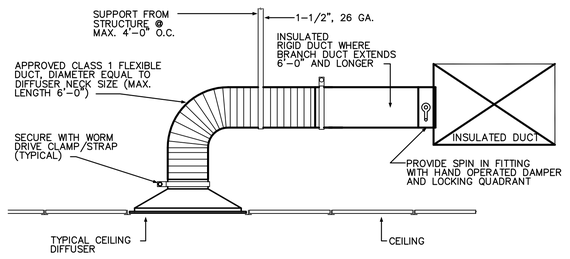
CONDENSATE PIPING AT UNIT DETAIL 1 / M4.1

NOT TO SCALE



BRANCH DUCT TAKE-OFF DETAIL 2 / M4.1

NOT TO SCALE



BRANCH DUCT TAKE-OFF DETAIL 3 / M4.1

NOT TO SCALE

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DRAWING: Mechanical Details

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APN: 402-14-047J

DRAWN BY	
CHECKED BY	
DATE	July 7th, 2016
JOB NO.	684
SHEET	M4.1

MECHANICAL SPECIFICATIONS

GENERAL REQUIREMENTS

GENERAL PROVISIONS WHICH MAKE SPECIFIC REFERENCE TO ELECTRICAL DIVISION ONLY ARE INCLUDED HEREIN FOR CLARITY AND SIMPLIFICATION OF SPECIFICATIONS WRITING AND ARE NOT PART OF THE MECHANICAL WORK. THE WORK OF DIVISION 15, MECHANICAL, IS SUBJECT TO THE CONDITIONS OF THE CONDITIONS OF THE CONTRACT, DIVISION 1, GENERAL REQUIREMENTS, AND APPLICABLE REQUIREMENTS OF OTHER PORTIONS OF THE CONTRACT DOCUMENTS. EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS AND COORDINATE THE MECHANICAL WORK ACCORDINGLY.

INTENT

IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON THE DRAWINGS, BUT MENTIONED IN THE SPECIFICATIONS OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. SHALL THERE APPEAR TO BE DISCREPANCIES OR QUESTIONS OF INTENT IN THE CONTRACT. DOCUMENTS, REFER THE MATTER TO THE ARCHITECT FOR HIS DECISION BEFORE ORDERING ANY MATERIALS OR EQUIPMENT OR BEFORE THE START OF ANY RELATED WORK. THE DECISION OF THE ARCHITECT SHALL BE FINAL, CONCLUSIVE AND BINDING.

DRAWINGS AND DATA

DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE OF WORK AND TO INDICATE GENERAL ARRANGEMENT OF EQUIPMENT, DUCTS, CONDUITS, PIPING AND FIXTURES. THEY ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTINGS OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT PROJECT AND SHALL HAVE APPROVAL OF ARCHITECT BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS. IF SO DIRECTED BY ARCHITECT, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF WORK. INCLUDE MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION OF A SYSTEM OR PIECE OF EQUIPMENT IN BID PRICE.

CODES

INCLUDE IN WORK, WITHOUT EXTRA COST TO OWNER, LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS) REQUIRED TO COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS. DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT THAN CODES, ORDINANCES, STANDARDS AND STATUTES. CODES, ORDINANCES, STANDARDS AND STATUES TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH DRAWINGS OR SPECIFICATIONS. FOLLOWING INDUSTRY STANDARDS, SPECIFICATIONS AND CODES ARE MINIMUM REQUIREMENTS:

A. APPLICABLE CITY, COUNTY, AND STATE MECHANICAL, ELECTRICAL, GAS, PLUMBING, HEALTH AND SANITARY CODES, LAWS AND ORDINANCES.
B. 2012 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS.

GENERAL

MATERIALS AND EQUIPMENT STANDARD PRODUCTS OF A REPUTABLE MANUFACTURER REGULARLY ENGAGED IN MANUFACTURE OF THE SPECIFIED ITEMS. WHERE MORE THAN ONE UNIT IS REQUIRED OF ANY ITEM, FURNISHED BY THE SAME MANUFACTURER, EXCEPT WHERE SPECIFIED OTHERWISE. INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SHOULD VARIANCE BETWEEN PLANS AND SPECIFICATIONS OCCUR WITH THESE, CONTACT ARCHITECT IMMEDIATELY SO THAT VARIATIONS IN INSTALLATION CAN BE KNOWN BY ALL PARTIES CONCERNED. PROVIDE EQUIPMENT FROM MANUFACTURER WHOSE PRODUCTS HAVE LOCAL REPRESENTATION.

EXECUTION

PROTECT EXISTING ACTIVE SERVICES (WATER, GAS, SEWER, ELECTRIC) WHEN ENCOUNTERED, AGAINST DAMAGE FROM CONSTRUCTION WORK. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES WHICH ARE TO REMAIN. IF WORK MAKES TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE, CONSULT WITH OWNER AS TO DATES, PROCEDURES, AND ESTIMATED DURATION OF AT LEAST 10 WORKING DAYS IN ADVANCE OF DATE WHEN WORK IS TO BE PERFORMED. ARRANGE WORK FOR CONTINUOUS PERFORMANCE TO ASSURE THAT EXISTING OPERATING SERVICES WILL BE SHUT DOWN ONLY DURING THE TIME REQUIRED TO MAKE NECESSARY CONNECTIONS. IF A SYSTEM CANNOT SHUT DOWN, INSTALL TEMPORARY BYPASSES OR JUMPERS UNTIL CONNECTIONS ARE COMPLETE. CONTRACTOR RESPONSIBLE FOR ALL COSTS INCURRED BY ABOVE SHUTDOWNS, INCLUDING BYPASS OR JUMPER INSTALLATIONS, FOR WORK PERFORMED UNDER THIS SECTION. IF EXISTING ACTIVE UTILITY SERVICES ARE ENCOUNTERED WHICH REQUIRE RELOCATION, MAKE REQUEST TO PROPER AUTHORITIES FOR DETERMINATION OF PROCEDURES. PROPERLY TERMINATE EXISTING SERVICES TO BE ABANDONED IN CONFORMANCE WITH REQUIREMENTS OF AUTHORITIES. WHERE CONNECTIONS OR DISRUPTIONS ARE MADE TO EXISTING SYSTEMS, REACTIVATE, REFILL, AND RECHARGE ALL COMPONENTS AND RESTORE SYSTEMS TO OPERATING CONDITIONS AT TIME OF DISRUPTION.

GUARANTEE

EACH COMPLETE SYSTEM GUARANTEED BY CONTRACTOR FOR A PERIOD OF ONE YEAR, FROM DATE OF ACCEPTANCE OF WORK BY OWNER IN WRITING, TO BE FREE OF DEFECTS OF MATERIALS AND WORKMANSHIP, AND TO PERFORM SATISFACTORILY UNDER ALL CONDITIONS OF LOAD OR SERVICE. THE GUARANTEES PROVIDE THAT ANY ADDITIONAL CONTROLS, PROTECTIVE DEVICES, OR EQUIPMENT BE PROVIDED AS NECESSARY TO MAKE THE SYSTEM OF EQUIPMENT OPERATE SATISFACTORILY, AND THAT ANY FAULTY MATERIALS OR WORKMANSHIP BE REPLACED OR REPAIRED. ON FAILURE OF GUARANTOR TO DO THE ABOVE AFTER WRITTEN NOTICE FROM OWNER, THE OWNER MAY HAVE THE WORK DOWN AT THE COST OF GUARANTOR. LOSS OF REFRIGERANT IS CONSIDERED A DEFECT IN WORKMANSHIP AND/OR EQUIPMENT, TO BE CORRECTED AS REQUIRED AT NO EXTRA COST TO THE OWNER.

PROVIDE EXTENDED FIVE (5) YEAR FACTORY PARTS & LABOR WARRANTY ON ALL AIR CONDITIONING COMPRESSORS.

AIR CONDITIONING, HEATING AND VENTILATING

SCOPE

WORK UNDER THIS SECTION INCLUDES FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE REMODELING, INSTALLATION AND PLACING INTO OPERATION THE HEATING, VENTILATING AND AIR CONDITIONING WORK AS SPECIFIED HEREIN AND INDICATED ON THE DRAWINGS.

VERIFICATION OF DIMENSIONS:

SCALED AND FIGURED DIMENSIONS ARE APPROXIMATE ONLY. BEFORE PROCEEDING WITH WORK, CAREFULLY CHECK AND VERIFY AT THE SITE, AND RESPONSIBLE FOR PROPERLY FITTING EQUIPMENT AND MATERIALS TOGETHER AND TO THE STRUCTURE IN SPACES PROVIDED. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND MANY OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED. CAREFULLY STUDY DRAWINGS AND PREMISES I ORDER TO DETERMINE BEST METHODS, EXACT LOCATIONS, ROUTES AND BUILDING OBSTRUCTIONS, PRESERVE HEADROOM, AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.

CUTTING AND PATCHING:

CUT EXISTING WORK AND PATCH AS NECESSARY TO PROPERLY INSTALL THE NEW WORK. AS THE WORK PROGRESSES, LEAVE NECESSARY OPENINGS, HOLES AND CHASES, ETC., IN THEIR CORRECT LOCATIONS. IF THE REQUIRED OPENINGS, HOLES AND CHASES ETC., ARE NOT IN THEIR CORRECT LOCATIONS, MAKE THE NECESSARY CORRECTIONS AT NO COST TO THE OWNER. AVOID EXCESSIVE CUTTING AND DO NOT CUT STRUCTURAL MEMBERS WITHOUT CONSENT OF ARCHITECT.

REGULATIONS, PERMITS & INSPECTIONS

COMPLY WITH ALL APPLICABLE CODES, RULES AND REGULATIONS. ALL MATERIALS, EQUIPMENT AND WORK MUST CONFORM TO THE INTERNATIONAL MECHANICAL CODE. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.

DUCTWORK

ALL DUCTWORK FABRICATED AS PER LATEST INTERNATIONAL MECHANICAL CODE REQUIREMENTS AND SMACNA MANUAL. EXTENSION OF EXISTING DUCTWORK SHALL BE MADE WITH SOME MATERIAL. DUCTWORK SHALL BE CONSTRUCTED OF NEW HOT-DIPPED GALVANIZED SHEET METAL ASTM A-120 FOR EACH SIDE, WITH 1", 1 1/2 LB. DENSITY DUCT LINER. TAPE ALL CROSS-JOINTS IN SHEET METAL DUCT WITH HARDCAST. TAKE-OFF FITTINGS SHALL BE CONICAL SPIN-IN WITH QUADRANT DAMPER. TURNING VANES SHALL BE INSTALLED IN ALL MITERED ELBOWS.
DUCT INSULATION: ACCEPTABLE MANUFACTURERS: CSG, JOHNS-MANSVILLE.

FLEXIBLE DUCT
FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTION TO AIR DISTRIBUTION DEVICES, BUT SHALL NOT EXCEED 6 FEET IN LENGTH. FLEXIBLE DUCT SHALL HAVE A MINIMUM R-5 INSULATION VALUE.

DUCT INSULATION

DUCT SIZES ON DRAWINGS ARE "CLEAR INSIDE." INCREASE SHEET METAL SIZES ACCORDINGLY FOR LINED DUCTWORK. ADHESIVE AND INSULATING MATERIALS SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS MAXIMUM 25 FOR FLAME SPREAD AND 50 FOR SMOKE DEVELOPED. ADHESIVES SHALL BE WATERPROOF.

LINED DUCTWORK - SEMI-RIGID GLASS FIBER INSULATION, 1 1/2 PCF, 1 1/2" THICK, THERMAL CONDUCTIVITY AT 75'. MAXIMUM 0.17 BTU/IN./SQ. FT./DEG./HR. MINIMUM "R-VALUE" SHALL BE 6.0.

WRAPPED DUCTWORK - FIBER GLASS BLANKET WITH FRK VAPOR RETARDING FACING. 1 1/2 PCF, 2" THICK, WITH A MINIMUM INSTALLED "R-VALUE" OF 6.0. (ASSUMES 25% COMPRESSION)

ACCEPTABLE MANUFACTURERS

THE FOLLOWING IS A LIST OF MANUFACTURERS WHOSE EQUIPMENT AND HVAC MATERIALS ARE ACCEPTABLE, SUBJECT TO CONFORMANCE WITH CONTRACT DOCUMENTS. VERIFY THAT THE EQUIPMENT WILL MEET ALL CAPACITIES SPACE ALLOCATIONS, AND THAT THE WEIGHTS WILL NOT EXCEED STRUCTURAL DESIGN LOADS.

FURNACE AND CONDENSERS: CARRIER, TRANE, YORK.
UNIT HEATERS: STERLING, MODINE, REZNOR.
GRILLES, REGISTERS, DIFFUSERS: KRUEGER, METAL-AIRE, TITUS,
FLEXIBLE DUCT: GENFLEX, THERMAFLEX, OR EQUIVALENT.
EXHAUST FANS: GREENHECK, LOREN COOK AND PENN VENTILATOR.
DUCT AND PIPE INSULATION: KNAUF, OWENS-CORNING, MANVILLE, CERTAIN-TEED, PPG.

EXHAUST FANS

SIZE, CAPACITIES, AND TYPE AS INDICATED ON THE DRAWINGS. FURNISH COMPLETE WITH FACTORY CURBS/ROOF CAPS, BAROMETRIC DAMPER, SPEED CONTROL, DISCONNECT, STARTER (IF REQUIRED), AND BIRDSCREEN. FURNISH ROOF MOUNTED FANS WITH INSULATED ROOF CURB; PROVIDE CEILING MOUNTED FANS WITH WALL/ROOF CAP.

AIR SYSTEM BALANCING

AIR SYSTEMS AND AIR DISTRIBUTION TEST AND BALANCE: THE CONTRACTOR SHALL INCLUDE IN HIS BID TESTING AND AIR BALANCE OF AIR MOVING EQUIPMENT AND AIR DISTRIBUTING OR EXHAUSTING SYSTEMS AS HEREIN SPECIFIED. PROVIDE CERTIFIED REPORT TO ARCHITECT.

GENERAL REQUIREMENTS

1 - PROVIDE VIBRATION ISOLATORS FOR ALL MECHANICAL EQUIPMENT SUPPORTED FROM STRUCTURE.

2 - PROVIDE CLEARANCES AS PER MANUFACTURER'S RECOMMENDATIONS.

3 - PITCH CONDENSATE DRAIN LINE 1/8" PER 12" RUN TOWARDS TERMINATION. INSULATE IN CONDENSATE DRAIN LINE WITH 3/8" CLOSED CELL "ARMIFLEX" TUBE INSULATION, TO PREVENT CONDENSATE DRIP.

4 - PROVIDE EQUIPMENT IDENTIFICATION PER IMC 2012.

5 - THE CONTRACTOR SHALL DO ALL NECESSARY CUTTING OF WALLS AND CEILING. NO STRUCTURAL MEMBER SHALL BE CUT WITHOUT PERMISSION FROM THE ARCHITECT. PATCH AROUND ALL OPENINGS TO MATCH EXISTING CONSTRUCTION.

6 - PRIOR TO THE CONTRACTOR ORDERING OR SETTING ANY AIR CONDITIONING EQUIPMENT, DUCTWORK, OR AIR DEVICE, HE SHALL VERIFY LOCATION OF PLACEMENT WITH STRUCTURAL DRAWINGS AND CONFIRM WEIGHTS, DISCHARGE CONFIGURATION, SIZES, ELECTRICAL CHARACTERISTICS AND ANY OTHER DIMENSIONAL DATA WHICH MIGHT AFFECT THE SUCCESSFUL INSTALLATION OF THE EQUIPMENT.

7 - KEEP ALL VENTS THROUGH ROOF AND EXHAUST DISCHARGE DUCTS A MINIMUM OF 10'-0" FROM OUTSIDE AIR INTAKES OR WINDOWS AND FROM ALL VERTICAL PORTIONS OF THE BUILDING.

8 - UPON COMPLETION AND TESTING OF AIR CONDITIONING EQUIPMENT, THE CONTRACTOR SHALL REPLACE ALL CONSTRUCTION AIR FILTERS WITH NEW FILTERS OF THE SIZED SPECIFIED BY THE MANUFACTURER.

DUCT CONSTRUCTION NOTES

1 - ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH "ASHRAE GUIDE" AND "SMACNA STANDARDS" AND IN CONFORMANCE WITH REQUIREMENTS OF LOCAL BUILDING, MECHANICAL AND ENERGY CONSERVATION CODES. WHERE MORE THAN ONE REGULATION OR CODE APPLIES, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

2 - FLEXIBLE DUCTWORK SHALL COMPLY WITH THE CLASS 1 REQUIREMENTS OF THE NFPA BULLETIN NO. 90A AND SHALL BE INSULATED WITH 1" FIBERGLASS, SUPPORTED BY HELICALLY WOUND STEEL WIRE WITH REINFORCED METALIZED OUTER JACKET RATED FOR USE IN PLENUMS. ATTACHMENT SHALL BE WITH WORM DRIVE CLAMPS. LENGTH SHALL NOT EXCEED 6'-0"

3 - PROVIDE MANUAL BALANCING DAMPER AT EACH BRANCH DUCT TAKE OFF.

4 - ALL DUCTWORK JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTION ON DUCTWORK SHALL BE LISTED AND LABELED BY UL 181A OR 181B TAPES AND MASTICS.

5 - PROVIDE RADIUS ELBOWS, TURNING VANES, AND SPLITTER DAMPERS IN BRANCHES AND EXTRACTORS WHERE APPLICABLE.

6 - TURNING VANES SHALL BE INSTALLED IN ALL MITERED ELBOWS.

7 - TAKE-OFF FITTINGS SHALL BE CONICAL OR BELL MOUTH TYPE WITH BALANCING DAMPER.

8 - BRANCH DUCT SERVING DIFFUSERS SHALL BE SAME SIZE AS NECK DIAMETER.

9 - ALL DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS. IF DUCT LINER IS USED FOR INSULATION, CONTRACTOR SHALL INCREASE DUCT SIZE ACCORDINGLY.

10 - HANGERS FOR SHEET METAL DUCTWORK SHALL BE INSTALLED AS REQUIRED BY 2012 IMC.

COORDINATION NOTES

1 - COORDINATE OPENING'S FOR GRILLES, REGISTERS, DIFFUSERS AND DUCTWORK WITH FRAMING CONTRACTOR PRIOR TO ROUGH-IN.

2 - COORDINATE EXACT LOCATION OF ALL GRILLES, REGISTERS AND DIFFUSERS WITH ARCHITECTURAL PLANS.

3 - LIGHTING & SPRINKLER HEADS TAKE PRECEDENCE OVER DIFFUSER LOCATION. CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS TO DIFFUSERS TO AVOID ANY CONFLICT WITH LIGHTING LAYOUT & SPRINKLER HEADS.

4 - CONTRACTOR TO COORDINATE ALL FINAL THERMOSTAT LOCATIONS WITH OWNER & ARCHITECT PRIOR TO MOUNTING.

5 - ALL THERMOSTATS ARE TO BE MOUNTED AT A HEIGHT OF 48" ABOVE THE FLOOR LEVEL FOR DISABLED ACCESS.

REVISIONS	BY

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ARCHITECTURE & PLANNING

DRAWING: Mechanical Specifications

PROJECT: Lifepointe Church
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APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE
July 7th, 2016

JOB NO.
684

SHEET

M5.1

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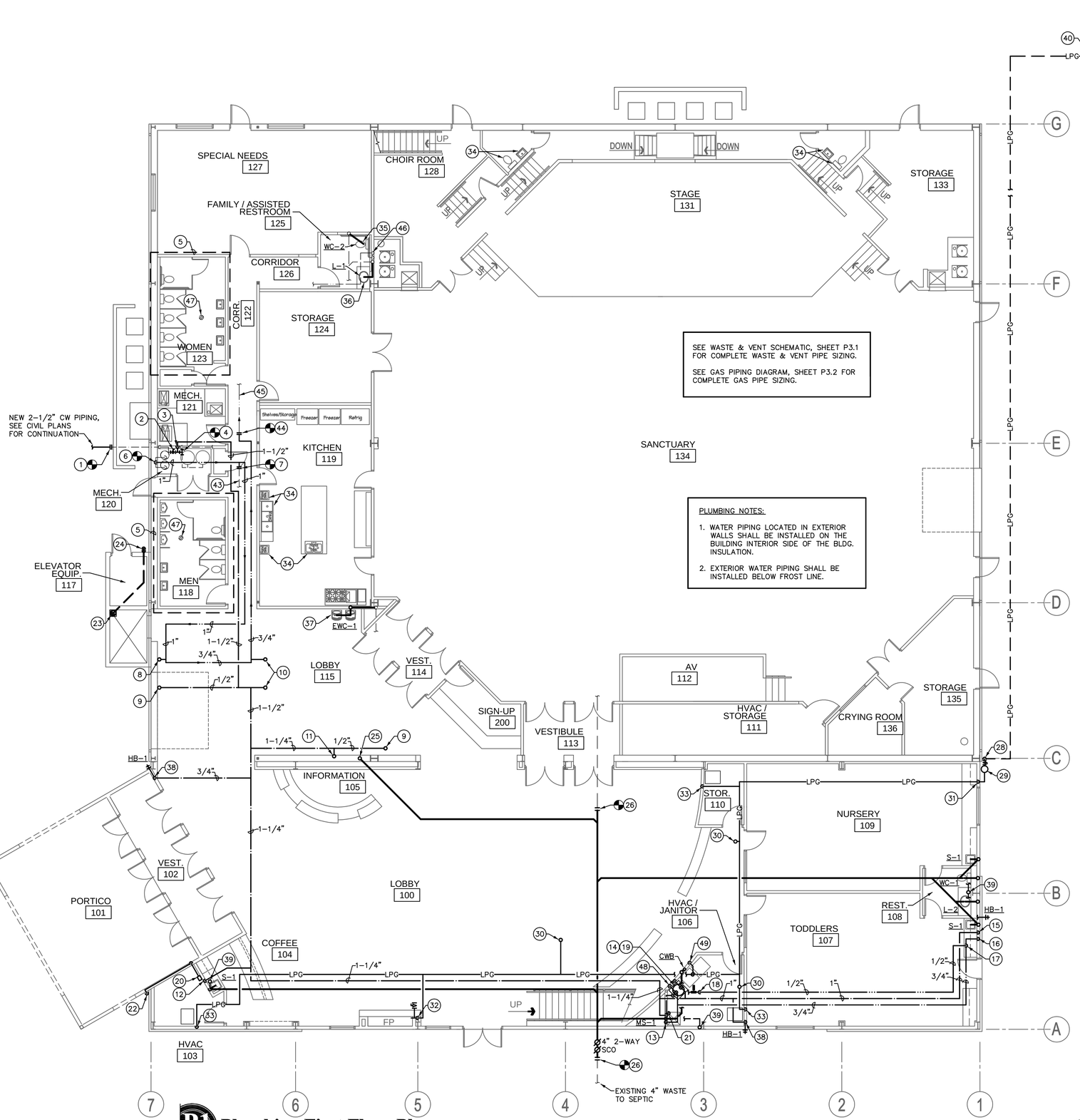

P1 Plumbing First Floor Plan

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

KEYNOTES

1. CONNECT NEW 2-1/2" SITE WATER LINE TO EXISTING 1-1/2" BLDG. SUPPLY.
2. CONNECT NEW 1-1/2" BALL VALVE (BLDG. SHUTOFF) TO EXISTING 1-1/2" BLDG. SUPPLY. EXTEND 1-1/2" HEADER OUT OF VALVE.
3. 1-1/2" CW RISE TO ROUTE ABOVE CEILING (NEW CW SUPPLY TO NEW ADDITION).
4. CONNECT NEW 1-1/2" CW TO EXISTING CW SUPPLY TO FIXTURES, WATER HEATERS, & WELL TANKS. REWORK EXISTING PIPING (INCLUDING BALL VALVE ON SUPPLY TO WELL TANKS) AS REQUIRED.
5. EXISTING FIXTURES IN THIS AREAS TO REMAIN, NO WORK REQUIRED EXCEPT AS NOTED.
6. CONNECT NEW 1" HW MAIN TO (2) EXIST. HW SUPPLIES OUT OF EXISTING WATER HEATERS. CONNECTION TO BE MADE EQUIDISTANT FROM EACH HOT WATER OUTLETS TO WATER HEATER. RISE WITH NEW 1" HW TO ROUTE ABOVE FIRST FLOOR CEILING.
7. CONNECT NEW 1" HW TO EXISTING HW LINE.
8. 1/2" HW RISER TO SECOND FLOOR– SEE SHEET P1.2 FOR CONTINUATION.
9. 1/2" CW RISER TO SECOND FLOOR– SEE SHEET P1.2 FOR CONTINUATION.
10. 3/4" H & CW RISERS TO SECOND FLOOR– SEE SHEET P1.2 FOR CONTINUATION.
11. 1-1/4" CW RISER TO SECOND FLOOR– SEE SHEET P1.2 FOR CONTINUATION.
12. 3/4" CW DOWN 3/4" HEADER, WITH 1/2" TO SINK & 1/2" TO WATER HEATER.
13. 1/2" H & CW DOWN TO MOP SINK.
14. 1" H & CW DOWN TO WATER HEATER.
15. 3/4" CW DOWN TO 3/4" HEADER, WITH 1/2" TO EACH HAND SINK, 3/4" TO FREEZE PROOF HOSE BIBB, 1/2" TO WC, & 1/2" TO LAV.
16. 3/4" HW DOWN 3/4" HEADER, WITH 1/2" TO EACH HAND SINK & 1/2" TO LAV.
17. 1/2" HWR OFF TOP OF HW LINE. ROUTE BACK TO RECIRC. PUMP AT WATER HEATER.
18. 1/2" HWR DOWN TO RECIRC. PUMP– SEE WATER HEATER DETAIL FOR PUMP SPEC. & FOR CONTINUATION OF 1/2" HWR.
19. ELECTRIC WATER HEATER WH-1 MOUNTED ON STAND, SEE DETAIL, SHEET P2.1.
20. ELECTRIC WATER HEATER WH-2, SEE SCHEDULE, SHEET P2.1. MOUNT UNIT ON WALL IN MECH. ROOM. ROUTE 1/2" HW FROM UNIT TO SINK.
21. FULL SIZE P&T RELIEF DRAIN LINE TO TERMINATE +2" ABOVE MOP SINK RIM WITH 90° ELBOW DOWN.
22. FULL SIZE WATER HEATER P&T RELIEF DRAIN LINE TO DAYLIGHT AT +6" A.F.G. WITH 90° ELBOW DOWN.
23. SUMP PUMP IN RECESSED SUMP IN BOTTOM OF ELEVATOR PIT, SEE DETAIL SHEET P2.1.
24. 1-1/2" SUMP PUMP DISCHARGE RISE TO DAYLIGHT & TURN DOWN AT +2" ABOVE FIN. GRADE AT LANDSCAPING AREA. COORDINATE EXACT LOCATION OF PIPE TERMINATION WITH ARCHITECT.
25. 4" WASTE FROM ABOVE, DOWN TO BELOW SLAB.
26. CONNECT NEW 4" WASTE TO EXISTING WASTE. FIELD VERIFY EXACT SIZE & LOCATION OF EXISTING LINE.
27. NEW (10 PSI) GAS DOWN TO CONNECT TO EXISTING GAS LINE.
28. (10 PSI) GAS RISE FROM BELOW GRADE TO SECOND STAGE REGULATOR.
29. 2ND STAGE REGULATOR (10 PSI to 11" W.C.) 865 MBH, 84" TDL.
30. GAS PIPING RISE TO SECOND FLOOR– SEE SHEET P1.2 FOR CONTINUATION.
31. GAS PIPING ENTER BLDG. & RISE TO ROUTE ABOVE CEILING.
32. GAS PIPING DOWN TO PERMANENTLY INSTALLED LOG SET. COORDINATE GAS SHUTOFF VALVE LOCATION WITH ARCHITECT.
33. GAS PIPING DOWN TO FURNACE.

KEYNOTES (CONT.)

34. EXISTING FIXTURES TO REMAIN, NO WORK REQUIRED.
35. INSTALL NEW WATER CLOSET WC-2. USE EXISTING WASTE & CW SUPPLY FROM DEMO'D. WATER CLOSET; REWORK EXISTING PIPING AS REQUIRED FOR NEW FIXTURE INSTALLATION. PROVIDE NEW C.P. STOP & SUPPLY, ETC. AS SPECIFIED FOR NEW WC-2.
36. INSTALL NEW LAV L-1. USE EXISTING WASTE & H & CW SUPPLIES FROM DEMOLISHED LAV; REWORK EXISTING PIPING AS REQUIRED FOR NEW FIXTURE INSTALLATION. PROVIDE NEW TRAP, C.P. STOPS, SUPPLIES, & PIPE WRAP AS SPECIFIED FOR NEW L-1.
37. INSTALL NEW ELECTRIC WATER COOLER EWC-1. USE EXISTING WASTE & CW SUPPLY FROM DEMO'D. COOLER; REWORK EXISTING PIPING AS REQUIRED FOR NEW FIXTURE INSTALLATION. PROVIDE NEW C.P. STOP & SUPPLY, ETC. AS SPECIFIED FOR NEW EWC-1.
38. 3/4" CW DOWN TO FREEZE PROOF HOSE BIBB.
39. VENT RISER TO SECOND FLOOR– SEE SHEET P1.2 FOR CONTINUATION.
40. EXISTING (10 PSI) GAS PIPING BELOW GRADE TO BLDG.–FIELD VERIFY EXACT SIZE, LOCATION.
41. PROVIDE NEW 10 PSI GAS REGULATOR TO EXISTING PROPANE TANK. TAKE 10 PSI LINE OUT OF REGULATOR DOWN AS SHOWN, WITH (1) CONNECTION TO EXISTING LINE & (1) NEW LINE DOWN TO BELOW GRADE.
42. NEW (10 PSI) LINE DOWN TO ROUTE BELOW GRADE TO NEW 2ND STAGE REGULATOR AT NEW ADDITION.
43. EXISTING HW LINE SERVING MENS' LAVS & KITCHEN, APPROX. LOCATION PER EXIST. BLDG. DRAWINGS. FIELD VERIFY EXACT SIZE & LOCATION.
44. CONNECT NEW 3/4" HW TO EXIST. HW LINE.
45. EXISTING HW LINE SERVING WOMENS' LAVS, FAMILY ASSISTED RESTROOM (1ST FLOOR), & CLASSROOM 228 RESTROOM (2ND FLOOR); APPROX. LOCATION PER EXIST. BUILDING DRAWINGS. FIELD VERIFY EXACT SIZE & LOCATION.
46. ASSUMED LOCATION OF START OF EXISTING HW RECIRC. LINE (AT DEMO'D. LAV). CONTRACTOR SHALL VERIFY EXACT LOCATION & ENSURE THAT EXISTING HW RECIRC. SYSTEM REMAINS INTACT & FULLY FUNCTIONING; REWORK PIPING AS NECESSARY TO RECONNECT TO EXISTING SYSTEM.
47. FOR EXISTING FLOOR DRAIN: PROVIDE TRAP SEAL DEVICE EQUAL TO PROVENT "TRAPGUARD" ELASTOMERIC DEVICE UTILIZING A NORMALLY CLOSED SEAL, TO PREVENT EVAPORATION OF TRAP SEAL. DEVICE SHALL BE DESIGNED TO OPEN WITH FLUID, ALLOWING LIQUID DRAINAGE TO FLOW THROUGH INTO THE BUILDING DRAIN. INSTALL INSIDE FLOOR DRAIN TAILPIECE, PER MANUFACTURER'S INSTRUCTIONS.
48. 1/2" H & CW DOWN TO CLOTHESWASHER BOX.
49. GAS PIPING DOWN TO DRYER.

PLUMBING LEGEND

SYMBOL	ABBR.	DESCRIPTION
———	W	WASTE PIPING
— — — —	V	VENT PIPING
——— · ———	CW	COLD WATER PIPING
——— ·· ———	HW	HOT WATER PIPING
——— ··· ———	HWR	HOT WATER RETURN PIPING
———LPG———	LPG	PROPANE GAS PIPING
———(B)———	BV	BALL VALVE
Ø	FCO, SCO	FLOOR OR SURFACE CLEANOUT
—|	WCO	WALL CLEANOUT
⊥	VTR	VENT THRU ROOF
—||—	HB	HOSE BIBB

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ARCHITECTURE & PLANNING

DRAWING: Plumbing First Floor Plan

PROJECT: Lifepointe Church
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Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE
June 4, 2017

JOB NO.
684

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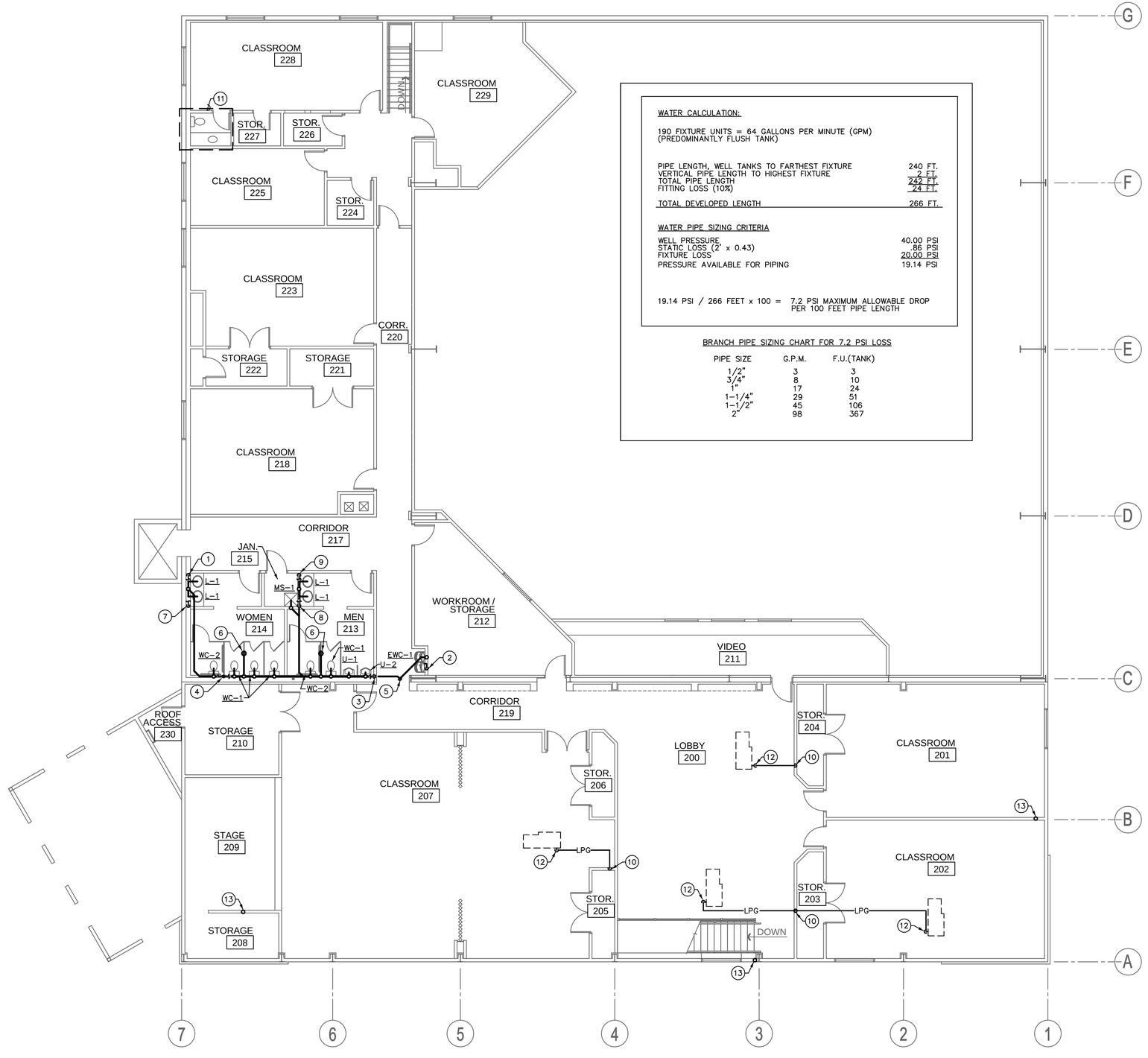

WATER CALCULATION:

190 FIXTURE UNITS = 64 GALLONS PER MINUTE (GPM)
(PREDOMINANTLY FLUSH TANK)

PIPE LENGTH, WELL TANKS TO FARTHEST FIXTURE	240 FT.
VERTICAL PIPE LENGTH TO HIGHEST FIXTURE	2 FT.
TOTAL PIPE LENGTH	242 FT.
FITTING LOSS (10%)	24 FT.
TOTAL DEVELOPED LENGTH	266 FT.

WATER PIPE SIZING CRITERIA

WELL PRESSURE	40.00 PSI
STATIC LOSS (2' x 0.43)	.86 PSI
FIXTURE LOSS	20.00 PSI
PRESSURE AVAILABLE FOR PIPING	19.14 PSI

19.14 PSI / 266 FEET x 100 = 7.2 PSI MAXIMUM ALLOWABLE DROP PER 100 FEET PIPE LENGTH

BRANCH PIPE SIZING CHART FOR 7.2 PSI LOSS

PIPE SIZE	G.P.M.	F.U.(TANK)
1/2"	3	3
3/4"	8	10
1"	17	24
1–1/4"	29	51
1–1/2"	45	106
2"	98	367

KEYNOTES

1. 1/2" HW FROM BELOW, RISE TO 1/2" HEADER, WITH 1/2" TO EACH LAV.
2. 1/2" CW FROM BELOW, RISE TO ELECT. WATER COOLER.
3. 1–1/4" CW FROM BELOW, RISE TO 1–1/4" HEADER, WITH 3/4" TO EACH URINAL & 1/2" TO EACH WATER CLOSET.
4. WATER HAMMER ARRESTER, PDI TYPE "A", ON CW HEADER UPSTREAM OF LAST FIXTURE BRANCH CONNECTION.
5. 4" WASTE DOWN, SEE SHEET P1.1 FOR CONTINUATION. (1)
6. 2" FLOOR DRAIN FD. PROVIDE TRAP SEAL DEVICE OR TRAP PRIMER.
7. 1/2" CW FROM BELOW, RISE TO 1/2" HEADER, WITH 1/2" TO EACH LAV.
8. 3/4" CW FROM BELOW, RISE TO 3/4" HEADER, WITH 1/2" TO EACH LAV & 1/2" TO MOP SINK.
9. 3/4" HW FROM BELOW, RISE TO 3/4" HEADER, WITH 1/2" TO EACH LAV & 1/2" TO MOP SINK.
10. GAS PIPING FROM BELOW, RISE TO ROUTE ABOVE CEILING.
11. EXISTING FIXTURES TO REMAIN, NO WORK REQUIRED.
12. GAS PIPING CONNECTION TO ATTIC MOUNTED FURNACE.
13. VENT RISER FROM BELOW, UP TO VTR.

P2 Plumbing Second Floor Plan

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

Plan North

REVISIONS	BY
1 07-20-17 CITY COMMENTS	JWS

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DRAWING: Plumbing Second Floor Plan

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APN: 402-14-047J

DRAWN BY	
CHECKED BY	
DATE	July 7th, 2016
JOB NO.	684
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PLUMBING SPECIFICATIONS:

1. GENERAL

1..1 Scope: Work under this section includes coordinating and furnishing all labor and material necessary to install a complete plumbing system as shown and specified and in accordance with the codes. Contractor shall pay for all permits, meters, fees, city inspections, legal notices, etc., as required.

1..2 Submittals: Within 15 days after award of contract, submit 8 copies of all items.

1..3 Record Drawings: Provide a set to the Architect at completion of project.

1..4 Instructions: Provide maintenance manual and instruct Owner in the proper operation and maintenance of the equipment.

1..5 Guarantee: One year on labor, material and equipment.

2. PRODUCTS

2..1 Piping:

2..1.1 Water Lines:

2..1.1.1 Copper: Type "L" hard drawn, conforming to ASTM B88, for all water pipe not set under concrete or in the ground.

2..1.1.2 Copper: Type "K" soft drawn, conforming to ASTM B88, for water pipe set in or under concrete or in the ground. Wrap lines below concrete floors with 20 mils of polykon tape.

2..1.1.3 Fittings: Wrought copper conforming to ANSI B16.22.

2..1.1.4 Plastic: If permitted by Administrative Authority, IAPMO approved, NSF-61 listed, crosslinked polyethylene (PEX) tubing, equal to Wirsbo "AQUAPEX" system is acceptable for potable water piping.

2..1.2 Sanitary Waste and Vent, Rainwater Piping:

2..1.2.1 Cast Iron conforming to CISPI Standard 301-95 and ASTM A-888 for all no-hub pipe and fittings installed above and below grade.

2..1.2.2 Galvanized Iron: Standard weight, Schedule 40 galvanized iron conforming to ASTM A-120 for all vent lines 2-1/2" or smaller.

2..1.2.3 Fittings (Waste and Vent System, no-hub cast iron): No-hub cast iron drainage pattern fittings conforming to CISPI #301-95.

2..1.2.4 Fittings (Waste and Vent, galvanized steel): Threaded cast iron fittings conforming to ANSI B16.4.

2..1.2.5 Couplings (Waste and Vent, above and below grade): Double band, stainless steel couplings conforming to CISPI 310-95, with neoprene gasket conforming to ASTM Standard C564 (NOTE: Screened stainless shield is not approved).

2..1.2.6 Plastic: Subject to Architect approval, PVC piping conforming to ASTM D-2665-88 is acceptable for sanitary waste piping installed below grade or slab. Fittings: Drainage fittings to match pipe.

2..1.3 LP Gas (Propane) Piping:

2..1.3.1 (Underground): All pipe, tubing, and fittings shall be polyethylene 2306/2406 conforming to ASTM D-1248 and D-3350 for P.E. 2306/2406.

2..1.3.2 (Above grade, exterior): All pipe sizes, black steel pipe, Schedule 40, wrought steel buttwelded fittings.

2..1.3.3 (Above grade, inside building): Schedule 40 black steel. Pipe fittings shall conform to the following:

Pipe 2" and Smaller: Malleable iron threaded fittings.

Pipe 2-1/2" and Larger: Wrought steel buttwelded fittings.

2..1.3.4 Risers: All risers in the system from below grade shall be pre-manufactured anodeless type as manufactured by Central Maufacturing Co., Shawnee, OK, or approved equal.

2..1.4 Tracer Wire: Provide approved 14 gage copper (orange covered) tracer wire along all non metallic underground piping.

2..2 Pipe Hangers and Supports: Fee & Mason Figure 103 clevis hanger for insulated pipe and Figure 104 clevis hanger for cast iron pipe. Install #500 Trisolators on uninsulated copper lines at all hangers and wall penetrations.

2..3 Pipe Insulation: Use fiberglass premolded insulation with all-service jacket, minimum density of 3.5 pcf. Provide an additional 8-ounce canvas jacket with Arabol finish around all exposed pipe insulation. Cover fittings and valves (except unions) with insulation cement worked on in two applications to a smooth, hard surface, flush with pipe covering. Provide 8" long, 20 gauge, galvanized iron metal insulation guards at locations of hanger rods and supports. Provide 12" long rigid insulation blocks on bottom half of pipe 1" and larger at hangers. Insulation wall thickness shall conform to the following schedule:

Domestic Hot Water, Hot Water Recirculating Lines:

Mains and horizontal branches – 1" thickness.
Drops in walls and partitions – 1/2" thickness.

2..4 Valves:

2..4.1 Gate Valves: Milwaukee 115, 125#, bronze body, solder type gate valve with nonrising stem for all lines up through 3" size.

2..4.2 Check Valves: Milwaukee #1509, 125#, bronze body, solder joint check valve with horizontal bronze disc for all valves up to 2" size. Milwaukee #F2974, 125#, iron body, bronze trimmed, flanged horizontal check valve for all valves larger than 2" size.

2..4.3 Shutoff Valve: Milwaukee BB1-350 bronze body, solder joint valve for all lines up through 2".

2..5 Cleanouts:

2..5.1 Concrete and Tile Floors: J.R. Smith 4023, with scoriated nickel-bronze top.

2..5.2 Cleanouts (exposed vertical piping): J.R. Smith 4512 cast iron branch cleanout tee with bronze plug.

2..5.3 Interior Finished Walls: J.R. Smith 4532.

2..5.4 Exterior Surface Cleanouts: J.R. Smith 4253. Provide 18" x 18" x 6" concrete pad at landscape areas; provide concrete ring below grade at asphalt areas.

2..5.5 Provide all cleanouts with heavy threaded bronze plugs.

2..6 Plumbing Fixtures: Use polished chrome-plated, adjustable brass P-traps with wall escutcheons at all exposed locations. Use polished chrome-plated faucets with removable trim, brass body and brass handles. Fixtures and supply fitting shall be of one manufacturer. Provide diaphragm type, polished chrome-plated flush valves with integral vacuum breakers and screwdriver stops. Provide fixture stops or valves ahead of all equipment or fixtures. After fixtures are set in place and secured to walls, caulk all around between fixtures and wall with either Dow Corning #780 or G.E. Construction Sealant white silicone caulking compound.

2..7 Acceptable Manufacturers: The following is a list of manufacturers whose equipment is acceptable as to manufacturer, subject to conformance with all drawings, specifications and addenda items:

Fixtures: American Standard, Eljer, Kohler.

Electric Water Heaters: Ruud, A. O. Smith, American.

Stainless Steel Sinks: Just, Elkay, Moen.

Electric Water Coolers: Oasis, Elkay, Halsey Taylor.

Mop Sinks: Fiat, Mustee, Swan.

Valves: Crane, Kennedy, Stockham, Grinnell, Milwaukee, Wolverine.

Supplies, Stops: Eastman, Kohler, Eljer, Brasscraft, McGuire.

P-Traps: Crane. Kohler, Eljer, Frost, McGuire.

Drains and Cleanouts: J. R. Smith, Zurn, Josam, Wade, Western.

Hangers: Grinnell, Fee & Mason, Elcen, Kin-Line, F & S, B-Line, Michigan.

3. EXECUTION

3..1 Tests and Inspections:

3..1.1 All work to be tested and approved before covering as directed by Architect. Remake all leaking joints.

3..1.2 Water System: 125 psi hydrostatic pressure held for four hours.

3..1.3 Sanitary Waste and Vent System: Fill with water to highest point in the system and let stand without loss for two hours.

3..1.4 Gas System: Hold at 50 psi pneumatic for four hours with no pressure loss.

3..1.6 Sterilization (Domestic Water System): After tests have been completed, the entire domestic water distribution system shall be thoroughly flushed with water until all entrained dirt and mud have been removed, and shall be sterilized with solutions of either liquid chlorine conforming to Federal Specification BB-B-120 or hypochlorite conforming to Fed. Spec. O-C-114, Type II, Grade G, or Fed. Spec. O-S-602, Grade A or B. The chlorinating material shall privide a dosage of less than 50 parts per million and shall be introduced into the system in an approved manner, and retained in the system for 8 hours before flushing.

3..2 Flashing, Sleeves and Escutcheon Plates:

3..2.1 Flashing: Supply flashing for all vent pipe and other types of piping through roof to be installed with roofing. Flash vents with Stoneman S1300-4 or with sheet lead weighing not less than 4 pounds per square foot or equal. Extend flashing into roofing at least 10" from vent and turn flashing over and down into vent opening.

3..2.2 Sleeves: Use 20 gauge galvanized steel sleeves around pipes passing through masonry walls and concrete slabs.

3..2.3 Escutcheon Plates: Install cast brass split ring with setscrew at all locations where exposed pipes pass through walls, floors and/or ceilings. Provide polished chrome-plated escutcheons in finished rooms, all others polished brass.

3..3 Underground Water Piping: Bury all underground water piping a minimum of 24" below finished grade.Install copper lines below concrete floors so that no joints occur below floor and wrap with 20 mils of polyethylene tape with a minimum of 50% overlap.

3..4 Electrical: Wiring by Electrical Contractor.

FIXTURE CONNECTION SCHEDULE

MARK	DESCRIPTION	TRAP SIZE	WASTE	VENT	COLD WATER	HOT WATER	REMARKS
WC-1	WATER CLOSET	INT.	4"	2"	1/2"	–	TANK TYPE
WC-2	WATER CLOSET	INT.	4"	2"	1/2"	–	TANK TYPE, ADA
U-1	URINAL	INT.	2"	1-1/2"	3/4"	–	WALL HUNG, .5 GPF
U-2	URINAL	INT.	2"	1-1/2"	3/4"	–	WALL HUNG, .5 GPF, ADA
L-1	LAVATORY	1-1/4" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	COUNTERTOP, ADA
L-2	LAVATORY	1-1/4" x 1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	COUNTERTOP
S-1	SINK	1-1/2"	2"	1-1/2"	1/2"	1/2"	STAINLESS STEEL, SINGLE COMP.
MS-1	MOP SINK	2"	2"	1-1/2"	1/2"	1/2"	FLOOR TYPE
EWC-1	ELECT. WATER COOLER	1-1/4" x 1-1/2"	1-1/2"	1-1/2"	1/2"	–	ADA COMPLIANT SPLIT LEVEL
HB-1	HOSE BIBB	–	–	–	3/4"	–	NON-FREEZE W/ INT. VAC. BREAKER
CWB	CLOTHESWASHER BOX	2"	2"	1-1/2"	1/2"	1/2"	

FIXTURE UNIT CALCULATIONS

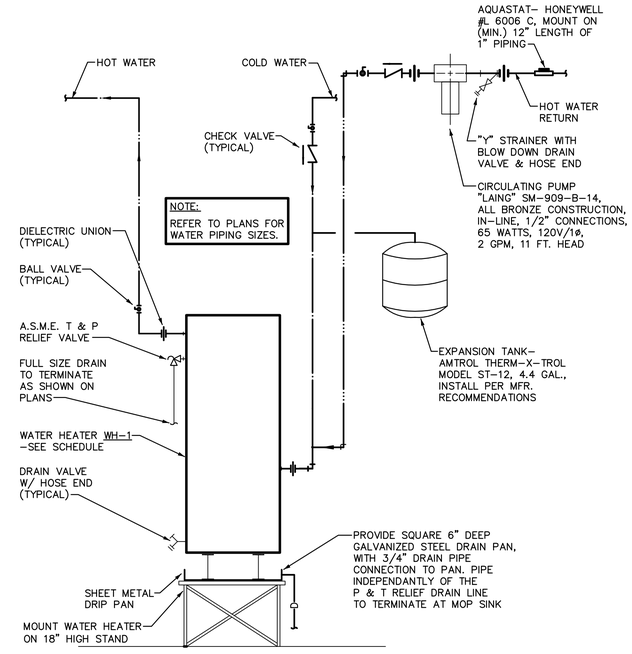
DESCRIPTION	QTY	F.U. EACH WASTE	F.U. EACH WATER	TOTAL F.U. WASTE	TOTAL F.U. WATER
WATER CLOSET	7	4	5	28	35
LAVATORY	5	1	2	5	10
URINAL	2	2	5	4	10
ELECT. WATER COOLER	2	1	.5	1	1
SINK	3	2	4	6	12
MOP SINK	2	2	3	4	6
CLOTHESWASHER BOX	1	3	4	3	4
TOTAL FU ADDED FOR THIS PROJECT					78
TOTAL EXISTING FU					116
GRAND TOTAL FU =					194

PLUMBING FIXTURE SPECIFICATIONS

SYMBOL	DESCRIPTION
WC-1	WATER CLOSET: FIXTURE: AMERICAN STANDARD "CADET PRO" 215CA.104, 1.28 GALLONS PER FLUSH, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL. SEAT: CHURCH 9500 WHITE OPEN FRONT SEAT WITH CONCEALED CHECK HINGE AND WITHOUT COVER. SUPPLIES: EASTMAN C5CR-20-LK, 1/2" x 3/8" ANGLE STOP WITH FLEXIBLE TUBE RISER.
WC-2	WATER CLOSET (HANDICAPPED): FIXTURE: AMERICAN STANDARD "CADET PRO" 215AA.104, 1.28 GALLONS PER FLUSH, 16-1/2" HIGH RIM, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL. SEAT: CHURCH 9500 WHITE OPEN FRONT SEAT WITH CONCEALED CHECK HINGE AND WITHOUT COVER. SUPPLIES: EASTMAN C5CR-20-LK, 1/2" x 3/8" ANGLE STOP WITH FLEXIBLE TUBE RISER.
L-1	LAVATORY (COUNTERTOP- HANDICAPPED ACCESSIBLE): FIXTURE: AMERICAN STANDARD, MODEL No. 0476.028, 20" x 18" OVAL VITREOUS CHINA, SELF-RIMMING LAVATORY, FRONT OVERFLOW. FAUCET: AMERICAN STANDARD "RELIANT 3" MODEL 7385.050, 4" CENTERSET FAUCET WITH CERAMIC DISC CARTRIDGE, METAL SINGLE LEVER ADA HANDLE, ADJUSTABLE HOT LIMIT SAFETY STOP, CAST BRASS WATERWAY, 0.5 GPM MAXIMUM FLOW RATE AERATOR. SUPPLIES: EASTMAN C5RC-15-LK, ANGLE STOPS WITH FLEXIBLE TUBE RISERS. WASTE: McGUIRE 155WC OFFSET WHEELCHAIR LAVATORY STRAINER WITH GRID DRAIN, CAST BRASS ELBOW AND OFFSET TAILPIECE. TRAP: McGUIRE 8902, 1-1/4" x 1-1/2" CAST BRASS P TRAP. INSULATE EXPOSED WATER AND WASTE PIPING WITH TRUEBRO LAV-GUARD INSULATION KIT, MODEL 102, WITH ACCESSORY #105.
L-2	LAVATORY (COUNTERTOP): FIXTURE: AMERICAN STANDARD, MODEL No. 0476.028, 20" x 18" OVAL VITREOUS CHINA, SELF-RIMMING LAVATORY, FRONT OVERFLOW. FAUCET: AMERICAN STANDARD "RELIANT 3" MODEL 7385.050, 4" CENTERSET FAUCET WITH CERAMIC DISC CARTRIDGE, METAL SINGLE LEVER HANDLE, WITH ADJUSTABLE HOT LIMIT SAFETY STOP, CAST BRASS WATERWAY, 0.5 GPM MAXIMUM FLOW RATE AERATOR. SUPPLIES: EASTMAN C5RC-15-LK, ANGLE STOPS WITH FLEXIBLE TUBE RISERS. WASTE: McGUIRE 155A SOLID OPEN TOP LAVATORY STRAINER WITH 1-1/4" TAILPIECE. TRAP: McGUIRE 8902, 1-1/4" x 1-1/2" CAST BRASS P TRAP.
U-1	URINAL: FIXTURE: AMERICAN STANDARD MODEL No. 6205.010 "GLENBROOK" WHITE VITREOUS CHINA WALL HUNG SIPHON JET ELONGATED FLUSHING RIM, 3/4" TOP SPUD, WALL HANGER, 2" THREADED FEMALE OUTLET CONNECTION. FLUSH VALVE: SLOAN ROYAL 186 YB, 1.0 GALLON PER FLUSH.
U-2	URINAL (HANDICAPPED): FIXTURE, FLUSH VALVE, AND ACCESSORIES SAME AS DESCRIBED ABOVE FOR "U-1" EXCEPT MOUNT FIXTURE AT WHEELCHAIR HEIGHT (REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHT).
S-1	SINK: FIXTURE: JUST MODEL No. SL-2125-A-GR, 21" x 25" x 8" DEEP, 18 GAUGE TYPE 304 STAINLESS STEEL, SELF RIMMING SINGLE COMPARTMENT SINK WITH THREE-HOLE PUNCHING. FAUCET: JUST J-900 SINGLE LEVER FAUCET. SUPPLIES: EASTMAN C5RC-20-LK, 1/2" x 3/8" ANGLE STOPS WITH FLEXIBLE TUBE RISERS. STRAINER: JUST J-35 BASKET STRAINER WITH 1-1/2" TAILPIECE. TRAP: McGUIRE 8912, 1-1/2" x 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG AND ESCUTCHEON.
MS-1	MOP SINK: FIXTURE: FIAT MODEL MSB-2424, 24" x 24" x 10", FLOOR MOUNTED, MOLDED STONE WITH INTEGRAL STAINLESS STEEL STRAINER EXTENSION. FAUCET: CHICAGO FAUCET 897 CHROME-PLATED SUPPLY FITTING WITH INTEGRAL STOPS, VACUUM BREAKER, 3/4" HOSE THREAD, FLEXIBLE 3/4" RUBBER HOSE AND HOSE BRACKET; MOP HANGER; SILICONE SEALANT INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. TRAP: PROVIDE 2" P TRAP.
EWC-1	ELECTRIC WATER COOLER (HIGH-LOW TYPE): FIXTURE: ELKAY MODEL No. EZSTL8LC, WALL MOUNTED BARRIER FREE SPLIT-LEVEL ELECTRIC WATER COOLER WITH CAPACITY OF 7.8 GPH AT 90° F AMBIENT AT 80° F INLET AND 50° F OUTLET. COMPRESSOR: 1/5 HP, 120 VOLT, HERMETICALLY SEALED WITH CAPACITOR AND OVERLOAD PROTECTION. COOLER MANUFACTURER SHALL PROVIDE A 5-YEAR, 100% REPLACEMENT WARRANTY ON THE COMPRESSOR, CONTROLS, TANK AND INTEGRAL PIPING. SUPPLY: EASTMAN C5RC-15-LK, 1/2" x 3/8" ANGLE STOP WITH FLEXIBLE TUBE RISER. TRAP: McGUIRE 8902 1-1/4" x 1-1/2" CAST BRASS P TRAP. REFER TO ARCHITECTURAL DRAWINGS FOR UNIT MOUNTING HEIGHTS.
WH-1	ELECTRIC WATER HEATER: PROVIDE UL LISTED ELECTRIC WATER HEATER OF SIZE, CAPACITY AND MAKE AS SCHEDULED. HEATER SHALL BE WARRANTED FOR A MINIMUM OF 5 FULL YEARS AFTER FINAL ACCEPTANCE OF THE BUILDING. FURNISH HEATER WITH THE FOLLOWING ACCESSORIES: 1. ASME COMBINATION TEMPERATURE AND PRESSURE RELIEF VALVE RATED IN EXCESS OF HEATER INPUT. RUN FULL SIZE DRAIN TO TERMINATE AS SHOWN ON DRAWINGS. 2. AUTOMATIC THERMOSTAT ACTUATED CONTROLS WITH 100% SHUTOFF. 3. HIGH-LIMIT CONTROLS. 4. TANK DRAIN. 5. BRASS NIPPLES FOR PIPE CONNECTIONS. 6. HEATER SHALL BE FACTORY INSULATED AND SHEET METAL JACKETED.
WHA	WATER HAMMER ARRESTER: SIOUX CHIEF "HYDRA-RESTER", WHERE REQUIRED IN PIPING SYSTEMS. SIZE FOR FIXTURE UNIT LOAD, WITH NESTING TYPE BELLOWS CONTAINED WITHIN, CASING AND BELLOWS SHALL BE CONSTRUCTED OF STABILIZED 18-8 STAINLESS STEEL.
HB-1	HOSE BIBB (FREEZE PROOF): WOODFORD MODEL No. B65, CHROME PLATED FINISH, 3/4" HOSE CONNECTION WITH INTEGRAL VACUUM BREAKER, SELF-DRAINING, LOOSE TEE OPERATOR, ENCLOSED IN A FLUSH MOUNTED 14 GAUGE STAINLESS STEEL WALL BOX WITH LOCKABLE COVER.
CWB	CLOTHES WASHER BOX: GUY GREY RECESSED COMBINATION 1/2" HW AND CW, 2" DRAIN PIPE. WITH QUARTER TURN BALL VALVES. PROVIDE WITH VACUUM BREAKERS. VERIFY IN FIELD TOP OR BOTTOM INLETS.

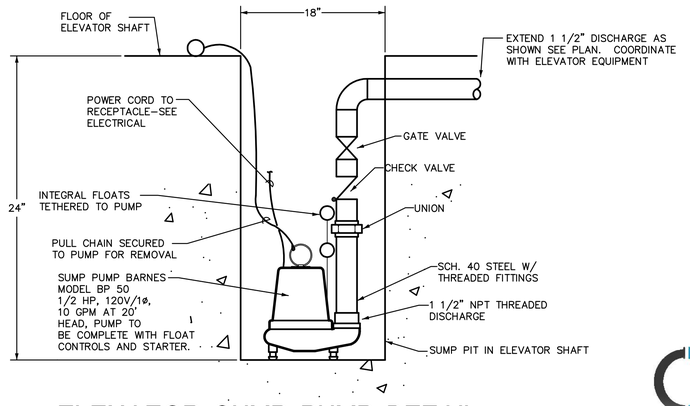
ELECTRIC WATER HEATER SCHEDULE

MARK	MANUFAC.	MODEL	STORAGE CAPACITY IN GALS.	KW INPUT	VOLTAGE/ PHASE	GALLON PER HR. REC. AT 100° F T.R.	WATER OUTLET TEMP °F	REMARKS
WH-1	RHEEM	EGSP30	30	2/2	120/1	8.2	140	NON SIMULTANEOUS WIRING
WH-2	STIEBEL ELTRON	SHC 4	4	1.2	120	4.9	140	



WATER HEATER WH-1 DETAIL

NO SCALE



ELEVATOR SUMP PUMP DETAIL

NTS

OSE Design Group, LLC Consulting Engineers
611 West Delano Ave Prescott, AZ 86301 (928) 443.7353
Project #16062
11759 N. 143rd Ave. Surprise, AZ 85379 (623) 444-6143

REVISIONS	BY

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Registered Professional Engineer
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ARIZONA U.S.A.
Expires 3/31/17

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ARCHITECTURE & PLANNING

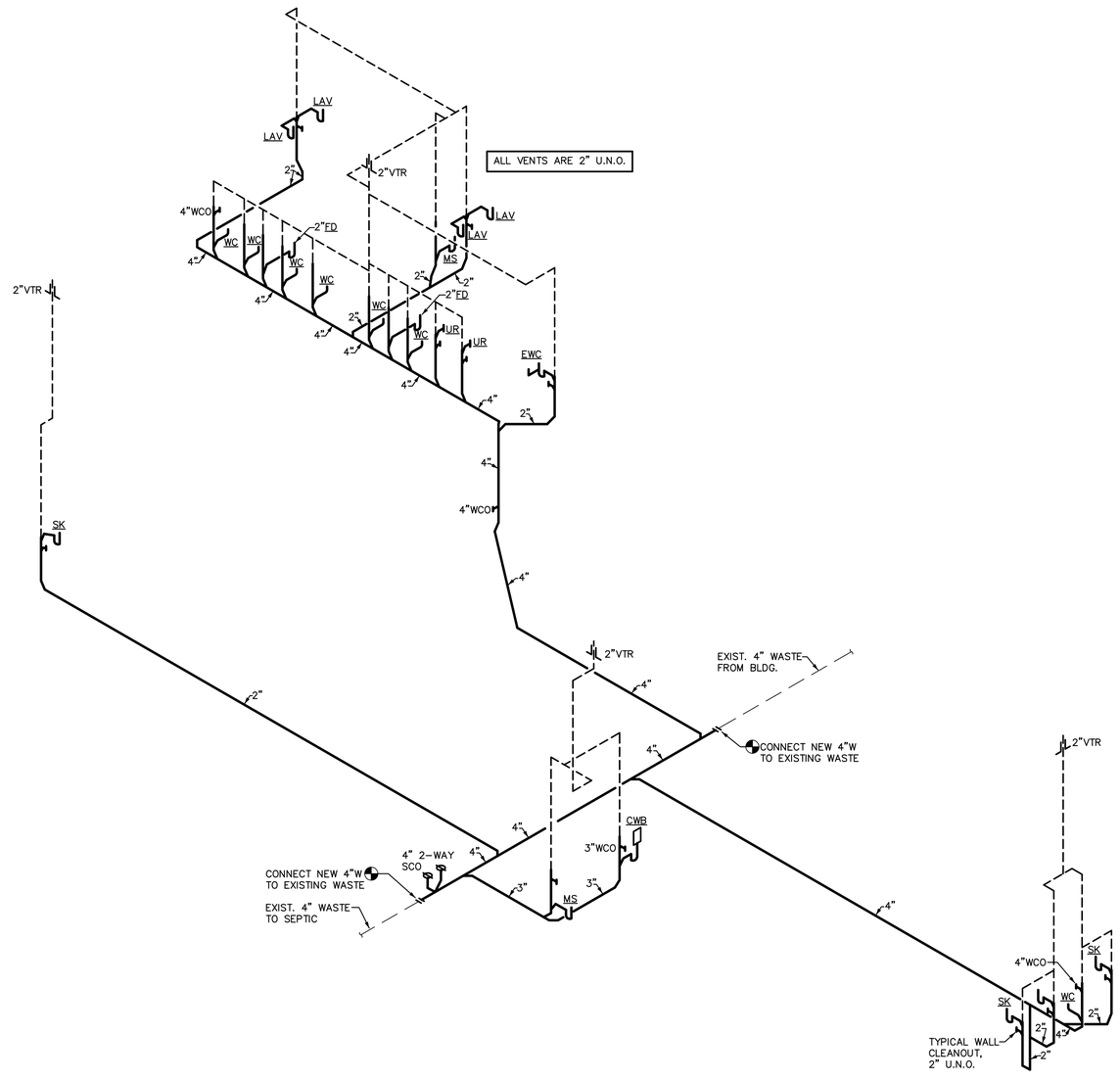
DRAWING: Plumbing Schedules/Details

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	
CHECKED BY	
DATE	June 4, 2017
JOB NO.	684
SHEET	P2.1

Jul 25, 2016 - 12:59pm



WASTE AND VENT SCHEMATIC

NTS

PLUMBING GENERAL NOTES:

1. ALL PLUMBING WORK SHALL COMPLY WITH THE MOST STRINGENT OF APPLICABLE CODES, ORDINANCES, OR THE SPECIFICATIONS.

2. ALL FIXTURES SHALL BE PROPERLY VENTED TO THE ATMOSPHERE.

3. COORDINATE LOCATION OF ALL PLUMBING LINES WITH DUCTWORK AND ELECTRICAL SERVICES.

4. WATER PIPING INSTALLED UNDER CONCRETE SLAB SHALL BE LOOPED IN PARTITION WALLS WITH NO JOINTS UNDER SLAB & WITH PLASTIC SLEEVE FOR EACH PENETRATION THROUGH SLAB.

5. ALL WATER PIPING TO BE CONTROLLED BY FULL FLOW BALL VALVE.

6. LOCATE ALL VENTS THROUGH ROOF 10'-0" FROM ALL AIR INTAKES, EVAPORATIVE COOLERS, ETC.

7. VERIFY INVERT ELEVATIONS (WASTE LINES), SIZES, & LOCATIONS OF ALL EXISTING GAS, WATER & WASTE LINES TO WHICH NEW PIPING CONNECTS PRIOR TO MAKING-UP OR INSTALLATION OF PIPING.

8. NOT USED.

9. LOCATE ALL VALVES, UNIONS, THERMOMETERS, GAUGES, OR OTHER EQUIPMENT REQUIRING FREQUENT READING. REPAIRS, ADJUSTMENTS, INSPECTION, REMOVAL OR REPLACEMENT SO AS TO BE ACCESSIBLE WITH REFERENCE TO THE FINISHED BUILDING.

10. FULL WAY VALVE IS REQUIRED ON THE DISCHARGE SIDE OF EACH METER AND AT THE COLD WATER SUPPLY TO EACH WATER HEATER.

11. INSTALL APPROVED DIELECTRIC ISOLATORS AT ALL CONNECTIONS OF DISSIMILAR METALS.

12. REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL LINE SIZES.

13. WHERE POSSIBLE, TIE VENTS TOGETHER SO THAT A MINIMUM NUMBER TERMINATE THROUGH ROOF.

14. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS & INCLUDE IN HIS BID AN AMOUNT TO FURNISH & INSTALL ANY FIXTURES SHOWN IN ADDITION TO PLUMBING DRAWINGS.

15. SOLDERS AND FLUX HAVING A LEAD CONTENT IN EXCESS OF TWO-TENTHS OF ONE PERCENT SHALL NOT BE USED IN THE INSTALLATION OR REPAIR OF PLUMBING PROVIDING WATER FOR HUMAN CONSUMPTION.

16. CONTRACTOR SHALL NOT CUT HOLES IN STRUCTURAL MEMBERS WITHOUT FIRST SECURING WRITTEN APPROVAL FROM THE ARCHITECT.

17. ROUGH-IN ALL WATER & WASTE PIPING TO SPECIAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' SHOP DRAWINGS. VALVE ALL SUPPLIES AND MAKE FINAL CONNECTIONS.

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ARCHITECTURE & PLANNING

DRAWING: Waste and Vent Schematic

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY
CHECKED BY
DATE June 4, 2017
JOB NO. 684
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P3.1

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GAS PIPING NOTES:

1. MINIMUM DEPTH OF GAS PIPING TO BE 18" BELOW GRADE.

2. GAS PIPING SHALL NOT BE INSTALLED IN OR ON THE GROUND UNDER ANY BUILDING.

3. GAS PIPING SHALL NOT RUN IN HOLLOW CORE OF BLOCK.

4. PROVIDE SHUT-OFF COCK, UNION AND 6" LONG DIRT LEG WITH CAP AT EACH GAS LINE DROP TO APPLIANCE.

5. ALL GAS USING EQUIPMENT TO BE LIQUID PROPANE FUEL.

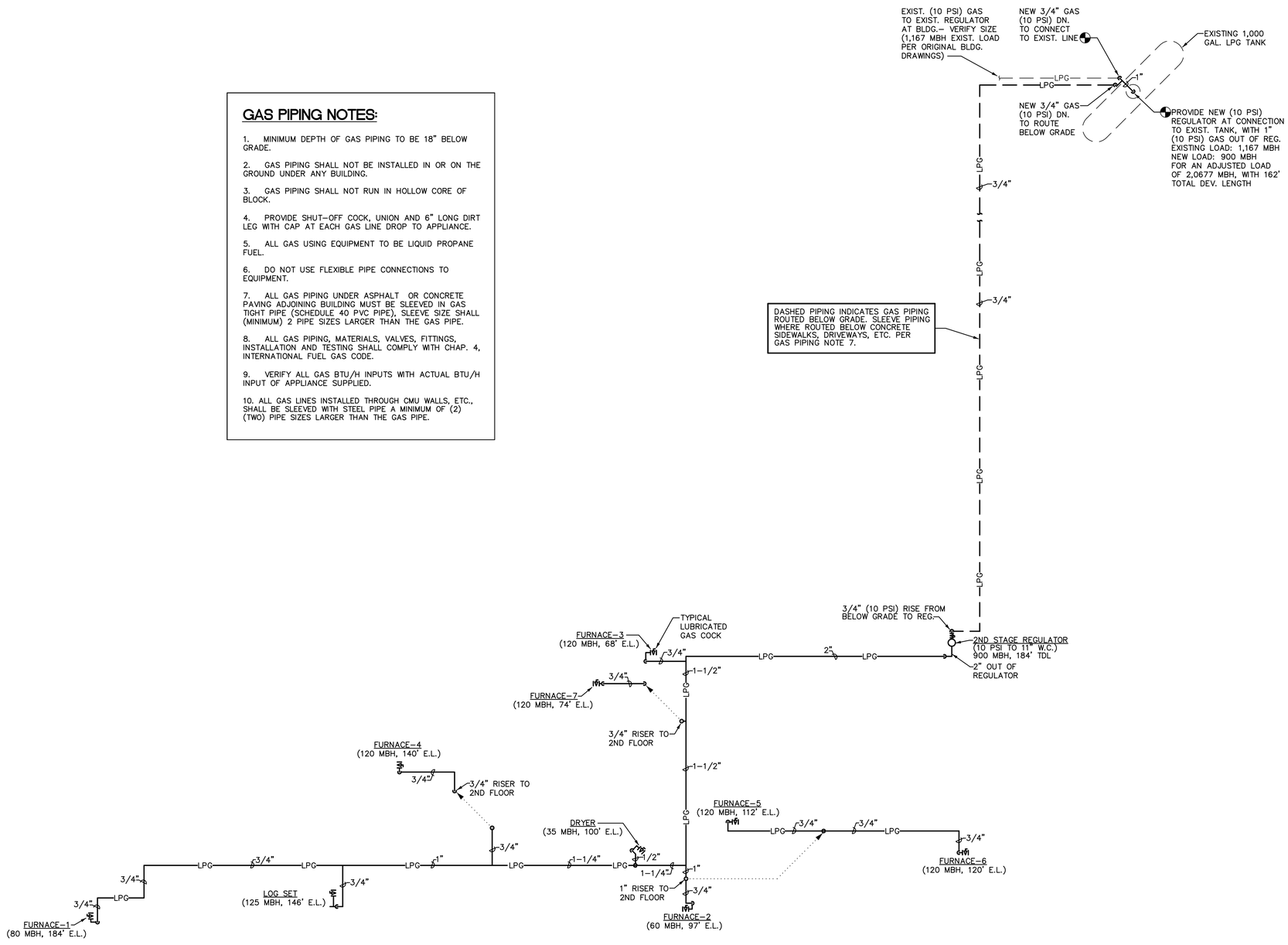
6. DO NOT USE FLEXIBLE PIPE CONNECTIONS TO EQUIPMENT.

7. ALL GAS PIPING UNDER ASPHALT OR CONCRETE PAVING ADJOINING BUILDING MUST BE SLEEVED IN GAS TIGHT PIPE (SCHEDULE 40 PVC PIPE), SLEEVE SIZE SHALL (MINIMUM) 2 PIPE SIZES LARGER THAN THE GAS PIPE.

8. ALL GAS PIPING, MATERIALS, VALVES, FITTINGS, INSTALLATION AND TESTING SHALL COMPLY WITH CHAP. 4, INTERNATIONAL FUEL GAS CODE.

9. VERIFY ALL GAS BTU/H INPUTS WITH ACTUAL BTU/H INPUT OF APPLIANCE SUPPLIED.

10. ALL GAS LINES INSTALLED THROUGH CMU WALLS, ETC., SHALL BE SLEEVED WITH STEEL PIPE A MINIMUM OF (2) (TWO) PIPE SIZES LARGER THAN THE GAS PIPE.



NOTE:
PIPING BETWEEN LPG TANK & 2ND STAGE REGULATOR SIZED PER IFGC TABLE 402.4(25) 865 MBH, 168 FT. TOTAL DEVELOPED LENGTH).

PIPING BETWEEN 2ND STAGE REGULATOR & EQUIP. SIZED PER IFGC TABLE 402.4(28) WITH MBH'S & TOTAL DEVELOPED LENGTHS AS NOTED.

GAS PIPING DIAGRAM

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ARCHITECTURE & PLANNING

DRAWING: Gas Piping Diagram

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	
CHECKED BY	
DATE	June 4, 2017
JOB NO.	684
SHEET	P3.2

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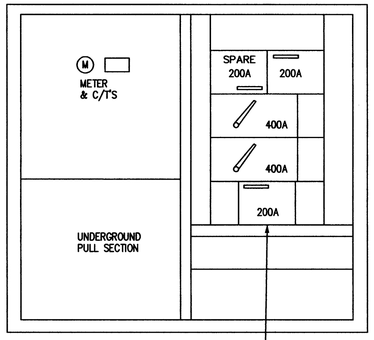
ELECTRICAL SYMBOLS

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT

- A / a — FLUORESCENT FIXTURE, WITH FIXTURE DESIGNATED BY LETTER. SMALL LETTER INDICATES SWITCH LEG
- NL — NIGHT LIGHT– NOT SWITCHED
- FLUORESCENT STRIP FIXTURE.
- CEILING OR WALLMOUNTED FIXTURE.
- PC — PORCELAIN PULL CHAIN FIXTURE
- J — JUNCTION BOX
- JUNCTION BOX WITH FLEX CONNECTION.
- SINGLE FACE EXIT SIGN– NOT SWITCHED
- DOUBLE FACED EXIT SIGN– NOT SWITCHED.
- TWO HEAD EMERGENCY LIGHT WITH BATTERY.
- POLE–MOUNTED FIXTURE – No. OF LUMINAIRES AS SHOWN & SCHEDULED
- S — SINGLE POLE SWITCH, + 48" A.F.F. (20A–120/277V)
- S_3 — THREE WAY SWITCH, + 48" A.F.F. (20A–120/277V)
- S_4 — 4–WAY SWITCH +48" AFF (20A–120/277V)
- S_P — SWITCH AND PILOT LIGHT (20A–120–/277V)
- S_K — SINGLE POLE SWITCH, KEY OPERATED (20A)
- DIMMER CONTROL, + 48" A.F.F. EQUAL TO LUTRON "NOVA" SERIES, SIZED TO MATCH LOAD SERVED
- VS — VARIABLE SPEED FAN CONTROL, +48" A.F.F.
- DUPLEX RECEPTACLE, + 18" A.F.F. (20A)
- DUPLEX RECEPTACLE ABOVE COUNTER, VERIFY HEIGHT. (20A)
- FOURPLEX RECEPTACLE, + 18" A.F.F. (20A)
- SPECIAL RECEPTACLE – SIZE & TYPE AS NOTED
- POWER FLUSH FLOOR OUTLET
- TELEPHONE OUTLET PLASTER RING AT + 18" A.F.F. HUBBELL #P12 COVERPLATE. 3/4"C TO CEILING SPACE UNLESS SHOWN WITH HOMERUNS.
- DATA SYSTEM OUTLET, 4" SQUARE BOX AND COVERPLATE, 3/4" C. TO CEILING SPACE UNLESS SHOWN WITH HOMERUN, + 18" A.F.F.
- TELE/DATA COMBO OUTLET, 4" SQUARE BOX AND COVERPLATE, 3/4" C. TO CEILING SPACE UNLESS SHOWN WITH HOMERUN, + 18" A.F.F.
- CABLE TELEVISION (CATV) OUTLET PLASTER RING AT + 18" A.F.F. U.N.O. HUBBELL COVERPLATE. 3/4"C TO CEILING SPACE UNLESS SHOWN WITH HOMERUNS.
- T — TELPHONE SYSTEM CONDUIT HOMERUN WITH NYLON PULLWIRE (1"C MIN UNO)
- TV — CLOSED CIRCUIT TV (CCTV) OUTLET SAME AS CATV OUTLET
- DOOR CHIME
- REMOTE CONTROL STATION @ +48" AFF
- DISCONNECT SWITCH, FUSE PER EQUIPMENT MANUFACTURERS RECOMMENDATION. OUTSIDE NEMA 3R – N.F. = NON–FUSED.
- COMBINATION STARTER AND FUSIBLE DISCONNECT SWITCH SIZE AS NOTED
- E — EQUIPMENT TERMINATION CONNECTION POINT VERIFY EXACT LOCATION LOAD AND VOLTAGE AS NOTED
- MOTOR
- SM — THERMAL PROTECTED SWITCH
- MOTOR STARTER – SHADING INDICATES F.B.O.
- DISTRIBUTION PANELBOARD.
- BRANCH CIRCUIT PANELBOARD.
- CONDUIT BELOW FLOOR OR UNDERGROUND
- CONDUIT IN WALL OR ABOVE CEILING
- HOMERUN TO PANEL, NEUTRAL AND PHASE WIRING DESIGNATION (SEE GROUNDING NOTE)
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- CONDUIT STUB–OUT, MARK AND CAP AS DIRECTED
- GROUND WIRE (SIZE AS NOTED) EXTENDED AND CONNECTED TO APP'D GROUND

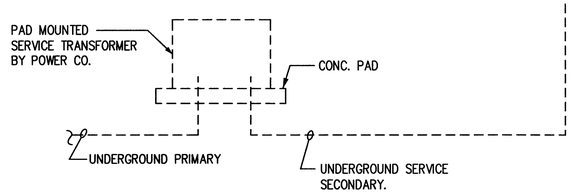
ALL WIRING #6 AWG AND LARGER SHALL BE XHHW COPPER. #8 AWG AND SMALLER SHALL BE THHN/THWN COPPER



EXISTING 'SES' SERVICE EQUIPMENT ELEVATION

N.T.S.

ELECTRICAL CONTRACTOR SHALL REPLACE EXISTING SINGLE 200 AMP SWITCH MODULE WITH 2–200 AMP DBL BRANCH SWITCH MODULE MODEL #ADS32200HDFP WITH (4) 200 AMP 240V CLASS RK5 FUSES FIELD VERIFY EXACT REQUIREMENTS AND CONFIRM WITH GE SERVICE MANUFACTURER PRIOR TO ORDERING

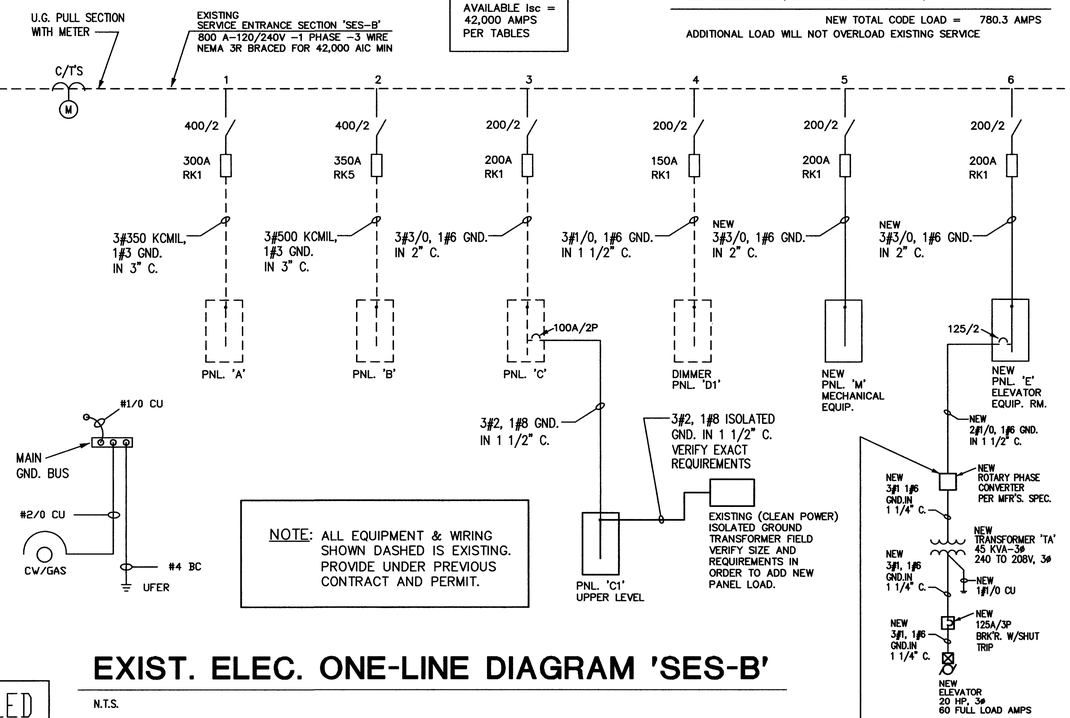


ELECTRICAL LOAD CALC'S.

EXISTING 'SES' PEAK DEMAND PER APS = 72.0 KW ÷ 0 .8 ÷ 240V	=	375.0 AMPS
NEW ADDED LOAD (EXIST. PANEL "C1' HI øA)	=	93.9 AMPS
NEW ADDED LOAD (NEW PANEL "M' HI øA)	=	180.0 AMPS
NEW ADDED LOAD (NEW PNL. 'E' ELEV. EQUIP.)	=	131.4 AMPS
NEW TOTAL CODE LOAD =		780.3 AMPS

ADDITIONAL LOAD WILL NOT OVERLOAD EXISTING SERVICE

AVAILABLE Isc = 42,000 AMPS PER TABLES



NOTE: ALL EQUIPMENT & WIRING SHOWN DASHED IS EXISTING. PROVIDE UNDER PREVIOUS CONTRACT AND PERMIT.

EXIST. ELEC. ONE-LINE DIAGRAM 'SES-B'

N.T.S.

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR (℄ OF OUTLET)
A.F.G.	ABOVE FINISHED GRADE (℄ OF OUTLET)
E.C.	EMPTY CONDUIT
G.F.I.	GROUND FAULT INTERRUPTER
WP	WEATHERPROOF
UNO	UNLESS OTHERWISE NOTED
NL	NIGHT LIGHT
TYP	TYPICAL
EDF	ELECTRIC DRINKING FOUNTAIN
TMB	TELEPHONE MOUNTING BOARD

OUTLETS INSTALLED IN FIREWALLS

OUTLETS, (SWITCHES, RECEPTACLES, ETC.), MOUNTED IN FIRE RATED WALLS SHALL NOT OCCUPY THE SAME WALL CAVITY WITH OTHER OUTLES WHETHER ON SAME SIDE OR BACK-TO-BACK. RECOMMENDED SPACING IS 24 INCHES HORIZONTAL OMIO.

SPECIFICATIONS

1. PRIOR TO SUBMITTING BID, SUBCONTRACTORS SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH IN ANY WAY AFFECTS THE WORK UNDER HIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
2. THE SUBCONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND /OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THE CONTRACT. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED.
3. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS AND BUILDING DETAILS. VERIFY LOCATION OF ALL OUTLETS, SWITCHES, AND WALL MOUNTED LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS. VERIFY ALL CEILING TYPES WITH ARCHITECTURAL DRAWINGS BEFORE ORDERING FIXTURES.
4. PRIOR TO ROUGH–IN AND FINAL CONNECTION, VERIFY ELECTRICAL CHARACTERISTICS AND EXACT LOCATION OF EQUIPMENT.
5. GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
6. BRANCH CIRCUIT WIRING SHALL BE THHN/THWN INSULATION. PANEL FEEDERS SHALL BE TYPE XHHW. ALL WIRE SHALL BE COPPER. MINIMUM WIRE SIZE SHALL BE #12.
7. ALL WIRING TO BE INSTALLED IN RACEWAYS. TYPE OF RACEWAY SHALL BE AS REQUIRED BY CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
8. PROVIDE CODE SIZED BOND WIRE IN ALL EMT, OR MC FLEXIBLE CONDUIT
9. ALL ELECTRICAL EQUIPMENT SHALL BE NEW , U.L. APPROVED AND COMMERCIAL GRADE.
10. WIRE RATED FOR 150° CENTIGRADE SHALL BE USED FOR ALL INCANDESCENT LIGHTING FIXTURES.
11. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NATIONAL CODE, (N.E.C.), AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
12. PROVIDE TYPEWRITTEN DESCRIPTIVE PANEL DIRECTORIES

GENERAL ELECTRICAL DEMOLITION NOTES

1. RETURN REMOVED MATERIAL DEEMED SALVAGEABLE TO OWNER'S REPRESENTATIVE. MATERIALS DEEMED NOT SALVAGEABLE SHALL BE REMOVED FROM THE PREMISES.
2. THE CONTRACTOR WILL EXAMINE THE PREMISES AND SATISFIED HIMSELF AS TO EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO PERFORM HIS WORK. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND THE CONTRACTOR SHALL FIELD VERIFY ALL DETAILS OF DEMOLITION.
3. REMOVE ALL EXISTING WIRING DEVICES, LIGHT FIXTURES, WIRE, CONDUIT, DISCONNECTS, ETC., AS NOTED OR INDICATED WITHIN DEMOLITION AREA. (ALL ITEMS MAY NOT BE SHOWN.) REWORK AS NECESSARY ALL CIRCUITING WHICH REQUIRES CONTINUATION THROUGH THE AREA.
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO REMOVE/RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT SUCH THAT ELECTRIC SHOCK HAZARDS TO WORKMEN ARE ELIMINATED DURING DEMOLITION AND NEW CONSTRUCTION.
5. REMOVED OR DAMAGED CONDUIT, WIRE AND FITTINGS SHALL NOT BE RE–USED
6. WORK REQUIRED FOR EXISTING EQUIPMENT NOTED AS "EXISTING TO BE REMOVED" SHALL INCLUDE:
   - A. SALVAGING OR DISPOSING OF ALL MATERIAL OR EQUIPMENT AS DIRECTED BY OWNER OR OWER'S REPRESENTATIVE.
   - B. REMOVAL OF FEEDER OR CABLING FROM EQUIPMENT TO POINT OF FEED.
   - C. REMOVAL OR RECIRCUITING (AS REQUIRED OR AS NOTED ON PANELS) OF ALL BRANCH CIRCUITING.
   - D. REMOVAL OF ALL FITTINGS, SUPPORTS, BRACKETS, ETC.
   - E. REPAIR AND PATCHING OF WALLS, FLOORS AND CEILINGS TO MATCH EXISTING OR PER ARCHITECT'S INSTRUCTIONS.
   - F. CAPPING OF IN–SLAB FEEDER CONDUITS FLUSH WITH THE FINISHED FLOOR.
   - G. CAPPING OF FEEDER CIRCUITS AT 6" ABOVE OR BELOW THE FLOOR OR CEILING FOR IN–SLAB CONDUITS LOCATED UP NEXT TO A WALL OR FOR CEILING AREA CONDUITS.
   - H. THE OPPOSITE END LOCATION OF ALL EMPTY FEEDER CONDUITS AT SWITCHBOARDS, PANELBOARDS, ETC., SHALL BE MARKED USING AN ENGRAVED BRASS TAG ATTACHED TO THE CONDUIT.
   - I. EXISTING FEEDER CONDUITS SHALL BE REMOVED OR CUT OFF AND ABANDONED IF FOUND TO BE UNSALVAGEABLE BY THE OWNER, ARCHITECT OR ENGINEER.
7. EXISTING EQUIPMENT NOT IMPICITLY SHOWN ON THE DRAWINGS IS INTENDED TO BE "EXISTING TO REMAIN, " UNLESS NOTED OTHERWISE.

PHASE CONVERTER SPECIFICATION

THE SINGLE PHASE TO THREE PHASE POWER CONVERTER SHALL BE ROTARY TYPE, RT25 RATED 25 HP (60 AMPS, 208V, 3ø) AS MANUFACTURED BY LEWIS MFG. OF PAYSON, AZ. (928–468–6320) OR EQUAL. VERIFY ADAQUACY FOR LOAD SERVED BEFORE ORDERING. WEATHERPROOF NOT REQUIRED.

OUTLET MOUNTING HEIGHTS PER AMERICAN DISABILITY ACT

SWITCHES	+48" (MAX)
RECEPTACLES	+18" (MAX)
TELEPHONE	+18" (MAX)
SIDE REACH	+54" (MAX)

FIRE ALARM SYSTEM SPECIFICATION

THE EXISTING FIRE ALARM SYSTEM SHALL BE ADDED ON TO, SMOKE DETECTOR, HEAT DETECTORS ETC. AND EXPANDED TO THIS ADDITION, AS REQUIRED FOR THIS TYPE OF FACILITY, IN ACCORDANCE WITH STATE AND/OR LOCAL CODE AND AS APPROVED BY THE CODE ENFORCING AUTHORITY HAVING JURISDICTION. FIELD VERIFY LOCATION & REQUIREMENTS.

FIRE WALL/FLOOR PENETRATION

ALL PENETRATIONS OF FIRE RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAIL THAT CONFORM TO UNDERWRITERS LABORATORY'S LISTINGS FOR THROUGH PENETRATION FIRESTOP SYSTEMS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS WHICH SHOW COMPLETE CONFORMANCE WITH THE LISTING TO THE ARCHITECT AND SUCH DRAWINGS SHALL BE AVAILABLE TO THE LOCAL GOVERNING INSPECTORS. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED.

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ARCHITECTURE & PLANNING

DRAWING: ELECTRICAL ONE-LINE DIAGRAM, CALC'S. SYMBOLS, SPEC'S. & GENERAL NOTES

PROJECT: Lifepointe Church, 10100 E. State Rt. 69, Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE: July 7th, 2016

JOB NO. 684

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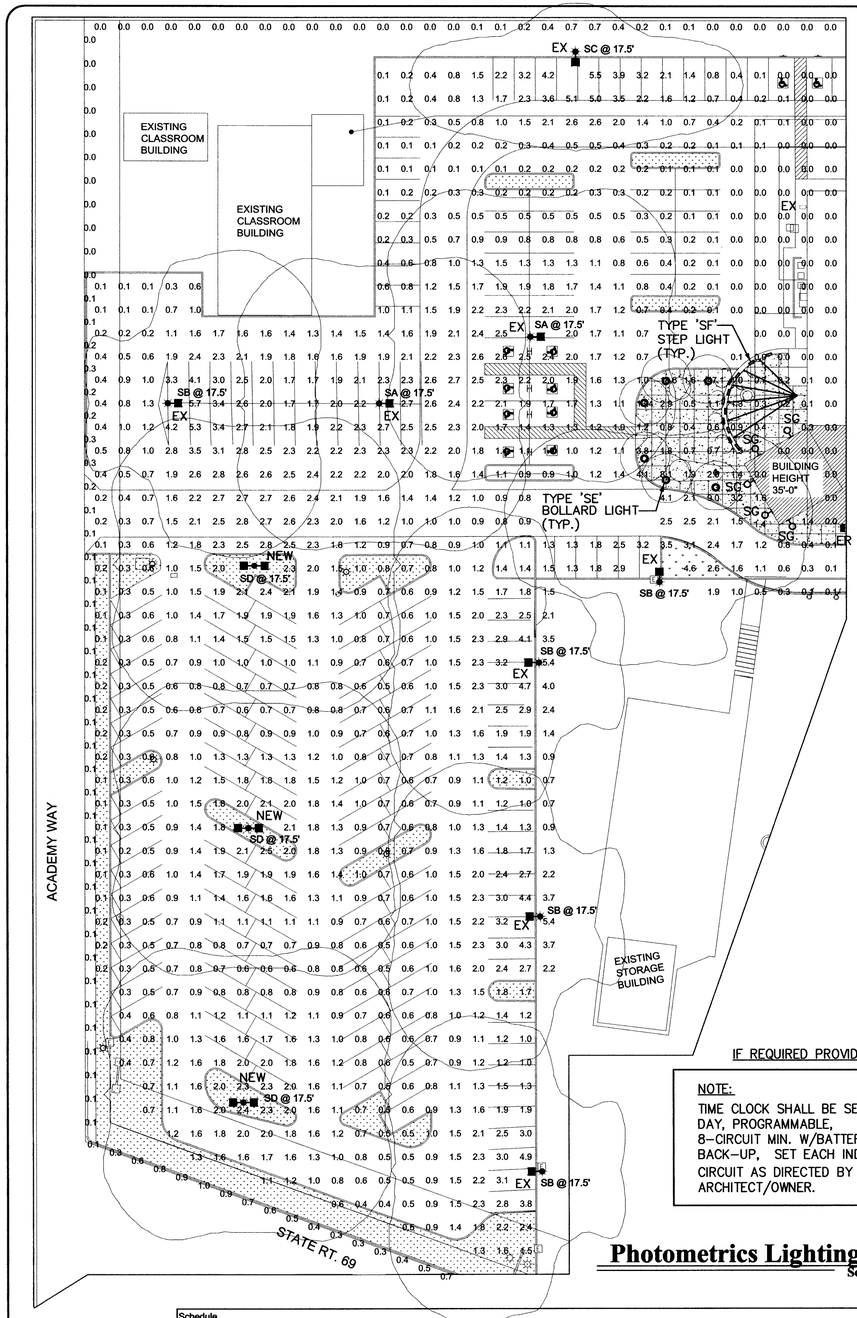
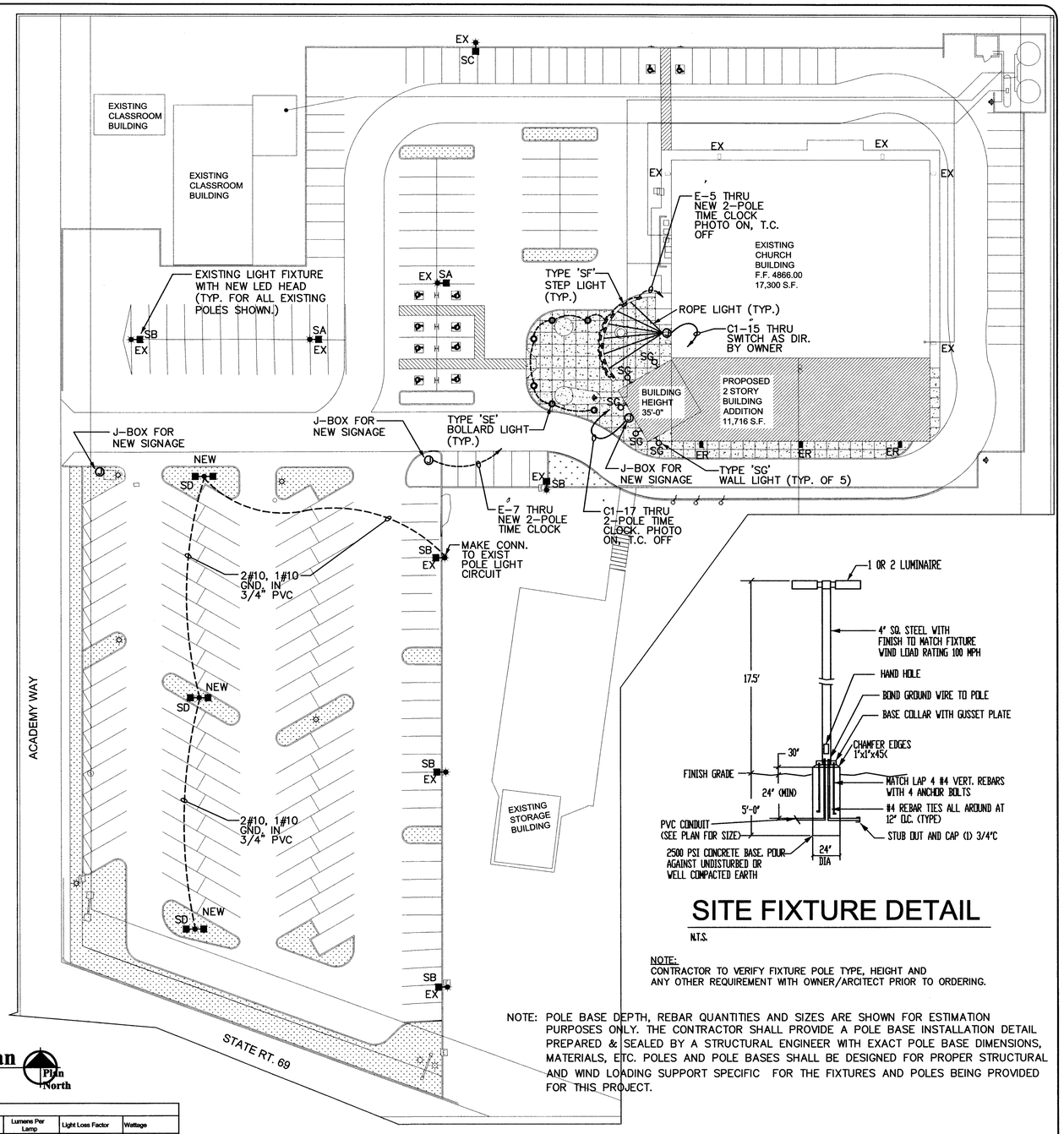
May 31, 2017 - 11:51am





IF REQUIRED PROVIDE

NOTE:
TIME CLOCK SHALL BE SEVEN DAY, PROGRAMMABLE, 8-CIRCUIT MIN. W/BATTERY BACK-UP, SET EACH INDIVIDUAL CIRCUIT AS DIRECTED BY ARCHITECT/OWNER.

Photometrics Lighting Site Plan

Scale: 1"=30'-0"

Lighting Site Plan

Scale: 1"=30'-0"

SITE FIXTURE DETAIL

N.T.S.

NOTE:
CONTRACTOR TO VERIFY FIXTURE POLE TYPE, HEIGHT AND ANY OTHER REQUIREMENT WITH OWNER/ARCITECT PRIOR TO ORDERING.

NOTE: POLE BASE DEPTH, REBAR QUANTITIES AND SIZES ARE SHOWN FOR ESTIMATION PURPOSES ONLY. THE CONTRACTOR SHALL PROVIDE A POLE BASE INSTALLATION DETAIL PREPARED & SEALED BY A STRUCTURAL ENGINEER WITH EXACT POLE BASE DIMENSIONS, MATERIALS, ETC. POLES AND POLE BASES SHALL BE DESIGNED FOR PROPER STRUCTURAL AND WIND LOADING SUPPORT SPECIFIC FOR THE FIXTURES AND POLES BEING PROVIDED FOR THIS PROJECT.

Schedule

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	SA (EXISTING)	5	Lithonia Lighting	DSX0 LED 40C 1000 40K T5W MVOLT/SSS 17.5	DSX0 LED with 40 LEDs @1000 mA , 4000K, Type 5 Wide Optics	LED	1	DSX0_LED_40C_1000_40K_T5W_MVOLT.ies	15741	0.91	138
	SB (EXISTING)	5	Lithonia Lighting	DSX0 LED 40C 1000 40K T4M MVOLT/SSS 17.5	DSX0 LED with 40 LEDs @1000 mA , 4000K, Type 4 Medium Optics	LED	1	DSX0_LED_40C_1000_40K_T4M_MVOLT.ies	15213	0.91	138
	SC (EXISTING)	1	Lithonia Lighting	DSX0 LED 40C 1000 40K T2M MVOLT HS/SSS 17.5	DSX0 LED with 40 LEDs @1000 mA , 4000K, Type 2 Medium Optics with HOUSE-SIDE SHIELD	LED	1	DSX0_LED_40C_1000_40K_T2M_MVOLT_HS.ies	12636	0.91	138
	SD	6	JUNO LIGHTING	PL2-A25-4K-UN-5-SL	ACCULITE PARKLUME, PL2 SERIES LED BOLLARD SHAFT HEAVY GAUGE EXTRUDED ALUMINUM, CAST ALUMINUM TOP & BOTTOM TYPE V DISTRIBUTION	LED LUMINAIRE OUTPUT = 2525 LMS	1	PL2-A25-4K-UN-5-SL-LED-4Array.IES	2524	0.91	49.6
	SE	33	Lithonia Lighting	DSXB LED 16C 700 40K SYM	D-SERIES BOLLARD WITH 16 4000K LEDS OPERATED AT 700mA AND SYMMETRIC DISTRIBUTION	LED	1	DSXB_LED_16C_700_40K_SYM.ies	3009	0.91	39
	SF	11	COLE LIGHTING	L157-G-2-HO	RECESSED STEP LIGHT	LED	1	L06134309.IES	210	0.91	8.46
	SG	5	Lumenpulse	LBM voltage RGB VN finish DMX/RDM	LUMENBEAM RGB	LED	1	LBM-120-RGB-VN_G1402171-R1.ies	-1	0.5	27.79

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PROP LINE		0.2 fc	1.0 fc	0.0 fc	N/A	N/A
SITE		1.3 fc	47.1 fc	0.0 fc	N/A	N/A

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ARCHITECTURE & PLANNING

DRAWING: LIGHTING SITE PLAN

PROJECT: Lifepointe Church, 10100 E. State Rt. 69, Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE: July 7th, 2016

JOB NO. 684

SHEET

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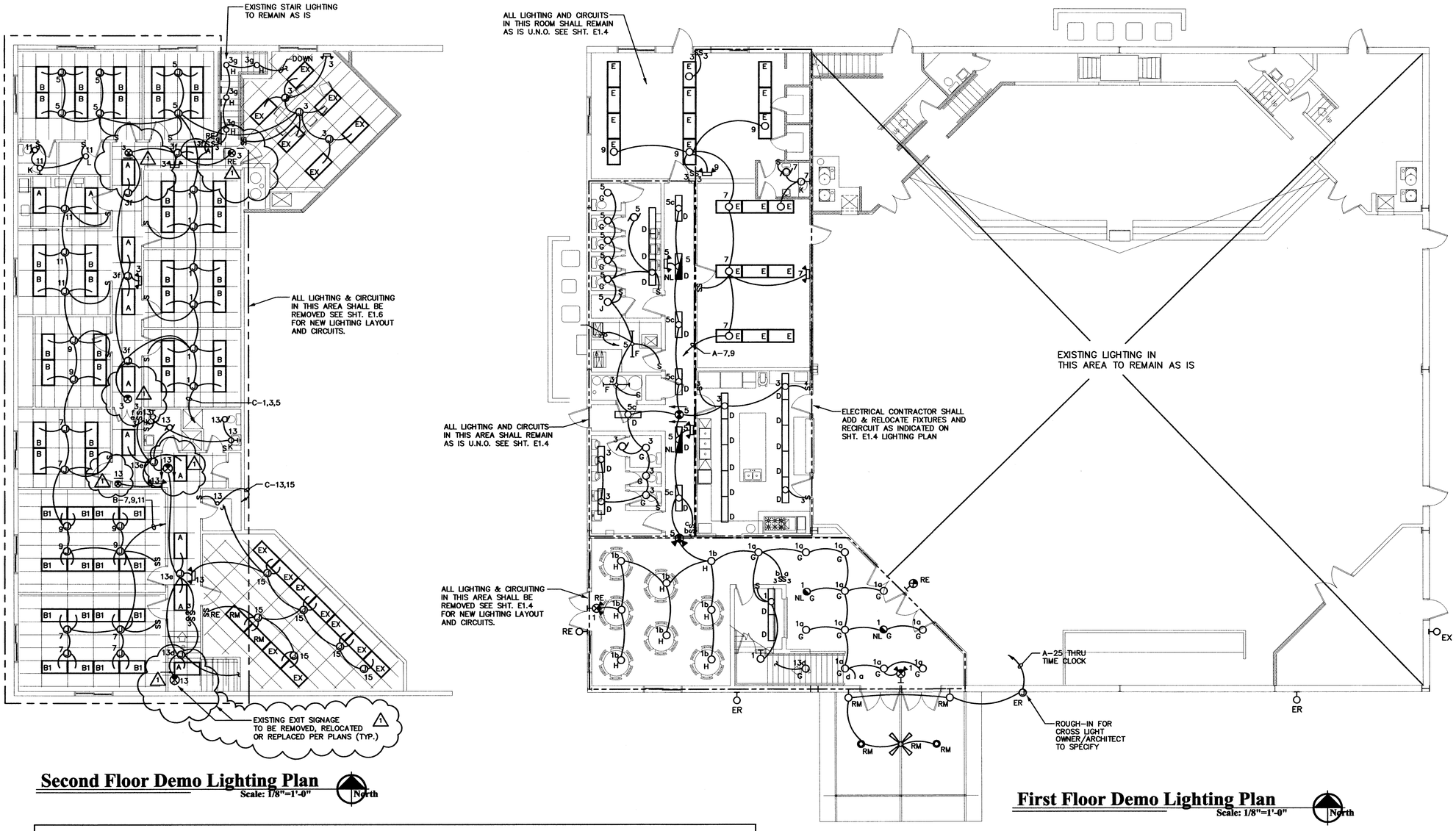
May 31, 2017 - 11:47am



Second Floor Demo Lighting Plan

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

First Floor Demo Lighting Plan

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

GENERAL ELECTRICAL DEMOLITION NOTES

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ABBREVIATIONS

EX	EXISTING LIGHT OR DEVICE TO REMAIN
RE	EXISTING LIGHT OR DEVICE TO BE RELOCATED EXTEND CIRCUITING AS REQUIRED IF NOT SHOWN.
ER	RELOCATED LIGHT OR DEVICE
RM	REMOVED LIGHT OR DEVICE
A.F.F.	ABOVE FINISHED FLOOR (℄ OF OUTLET)
A.F.G.	ABOVE FINISHED GRADE (℄ OF OUTLET)
E.C.	EMPTY CONDUIT
UNO	UNLESS OTHERWISE NOTED
FBO	FURNISHED BY OTHERS
NL	NIGHT LIGHT
TYP	TYPICAL

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1 CITY COMMENTS 7-19-2017	A.O.

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ARCHITECTURE & PLANNING

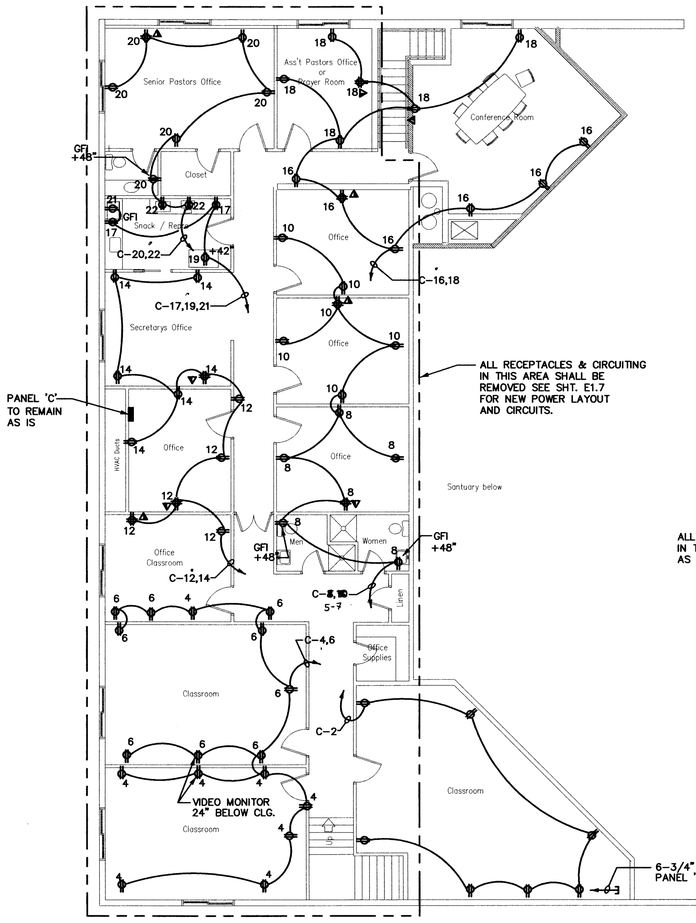
DRAWING: DEMO LIGHTING PLAN - FIRST & SECOND FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ. 86314

APN: 402-14-047J

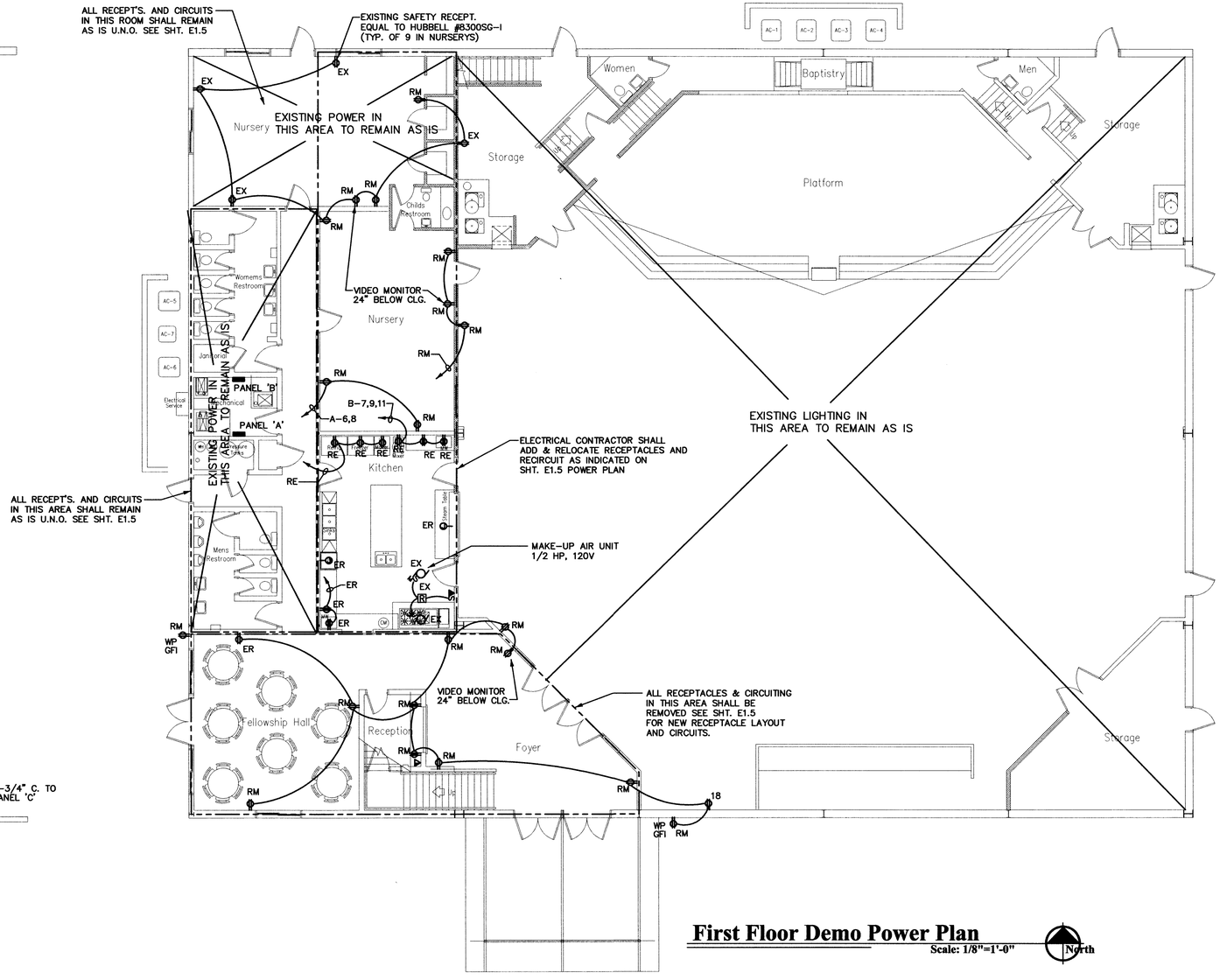
DRAWN BY	
CHECKED BY	
DATE	July 7th, 2016
JOB NO.	684
SHEET	E1.2

Jul 19, 2017 - 5:14pm



Second Floor Demo Power Plan

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



First Floor Demo Power Plan

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APN: 402-14-047J

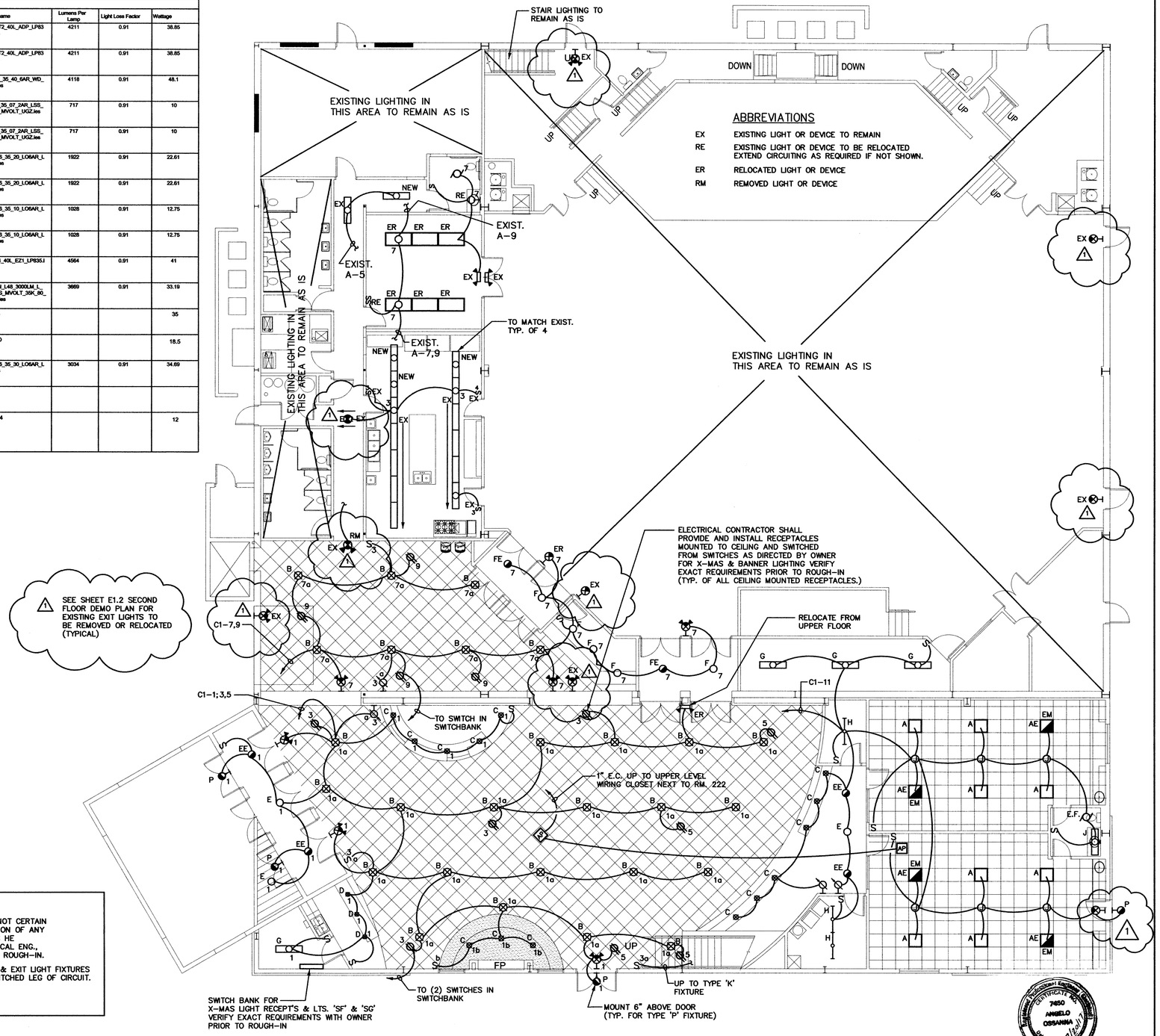
DRAWN BY	
CHECKED BY	
DATE	July 7th, 2016
JOB NO.	684
SHEET	E1.3

May 31, 2017 - 11:53am

(ELECTRICAL CONTRACTOR TO VERIFY QUANITIES PRIOR TO ORDERING)

Schedule

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A	74	Lithonia Lighting	2BLT2 40L ADP LP835 EZ1	BLT 2x2, 4000 NOMINAL LUMENS, Curved Linear Prismatic lens, 3500K CCT	LED	1	2BLT2_40L_ADP_LP835.ies	4211	0.91	38.85
	AE	14	Lithonia Lighting	2BLT2 40L ADP LP835 EZ1 EL14L	BLT 2x2, 4000 NOMINAL LUMENS, Curved Linear Prismatic lens, 3500K CCT WITH EMERGENCY BATTERY	LED	1	2BLT2_40L_ADP_LP835.ies	4211	0.91	38.85
	B	27	Gotham Architectural Lighting	EVO CYL 35/40 6AR WD LS MVOLT EZ10 ACC	6" CYLINDER 3500K, 4000LM, CRI80, 6IN CLEAR, WIDE DIST, SPECULAR	LED	1	EVO_35_40_6AR_WD_LS.ies	4118	0.91	48.1
	C	14	Gotham Architectural Lighting	ICO 35/07 2AR LSS 55D MVOLT UGZ CMS	INCITO CYLINDER 2" DOWNLIGHT, 3500K, 750LM, 80 CRI, 55 DEG REFRACTOR, SEMI SPECULAR TRIM,	LED	1	ICO_35_07_2AR_LSS_55D_MVOLT_UGZ.ies	717	0.91	10
	D	3	Gotham Architectural Lighting	ICO 35/07 2AR LSS 55D MVOLT UGZ CMS	INCITO CYLINDER 2" DOWNLIGHT, 3500K, 750LM, 80 CRI, 55 DEG REFRACTOR, SEMI SPECULAR TRIM,	LED	1	ICO_35_07_2AR_LSS_55D_MVOLT_UGZ.ies	717	0.91	10
	E	10	Lithonia Lighting	LDN6 35/20 L06AR LSS	6IN LDN, 3500K, 2000LM, 80CRI, CLEAR, SEMI-SPECULAR REFLECTOR	LED	1	LDN6_35_20_L06AR_LSS.ies	1922	0.91	22.61
	EE	4	Lithonia Lighting	LDN6 35/20 L06AR LSS	6IN LDN, 3500K, 2000LM, 80CRI, CLEAR, SEMI-SPECULAR REFLECTOR	LED	1	LDN6_35_20_L06AR_LSS.ies	1922	0.91	22.61
	F	17	Lithonia Lighting	LDN6 35/10 L06AR LSS	6IN LDN, 3500K, 1000LM, 80CRI, CLEAR, SEMI-SPECULAR REFLECTOR	LED	1	LDN6_35_10_L06AR_LSS.ies	1028	0.91	12.75
	FE	4	Lithonia Lighting	LDN6 35/10 L06AR LSS	6IN LDN, 3500K, 1000LM, 80CRI, CLEAR, SEMI-SPECULAR REFLECTOR	LED	1	LDN6_35_10_L06AR_LSS.ies	1028	0.91	12.75
	G	17	Lithonia Lighting	LBL4 40L EZ1 LP835	LBL4, 4000 NOMINAL LUMENS, 3500K	LED	1	LBL4_40L_EZ1_LP835.Ies	4564	0.91	41
	H	5	Lithonia Lighting	ZL1N L48 3000LM LJLENS MVOLT 35K 80 CRI	ZL1N 48" LENGTH 3000 LUMENS NO DIFFUSER 3500 K 80 CRI	LED	1	ZL1N_L48_3000LM_LJLENS_MVOLT_35K_80_CRI.ies	3669	0.91	33.19
	J	4	WAC Lighting	WS-6624-BN	24" BATH LIGHT 35W 2580 LUMENS		1	LED			35
	K	1	WAC Lighting	WS-6614-BN	14" WALL SCONCE 18.5W 1462 LUMENS			LED			18.5
	M	6	Lithonia Lighting	LDN6 35/30 L06AR LS	6IN LDN, 3500K, 3000LM, 80CRI, CLEAR, SPECULAR REFLECTOR	LED	1	LDN6_35_30_L06AR_LS.ies	3034	0.91	34.69
	N	1	ENTRANCE CANOPY PENDANT FIXTURE AS SELECTED BY OWNER								
	P	3	Lithonia Lighting	AFN DB EXT	DIE-CAST ARCHITECTURAL EMERGENCY LIGHT WITH CAST ALUMINUM HOUSING, BRONZE TWO LAMPS, POLYCARBONATE PRISMATIC LENS, AND STANDARD WIDE-THROW OPTICS	TWO 6-WATT WEDGE BASE XENON	FROSTED	73-1/4				12



GENERAL LIGHTING NOTES:

1. IF ELECTRICAL CONTRACTOR IS NOT CERTAIN OF MOUNTING HIEGHT OR LOCATION OF ANY LIGHTING FIXTURES OR SWITCHES HE IS TO VERIFY ITEMS WITH ELCTRICAL ENG., ARCHITECT OR OWNER PRIOR TO ROUGH-IN.
2. NIGHT LIGHTS (NL), EMERGENCY & EXIT LIGHT FIXTURES SHALL BE CONNECTED TO UNSWITCHED LEG OF CIRCUIT.

First Floor Lighting Plan

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

North

Jul 19, 2017 - 5:16pm

REVISIONS	BY
1 CITY COMMENTS 7-19-2017	A.O.

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ARCHITECTURE & PLANNING

DRAWING: LIGHTING FLOOR PLAN - FIRST FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

ELECTRICAL DESIGN & CADD SERVICES INC.
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JOB# 16-34

DRAWN BY

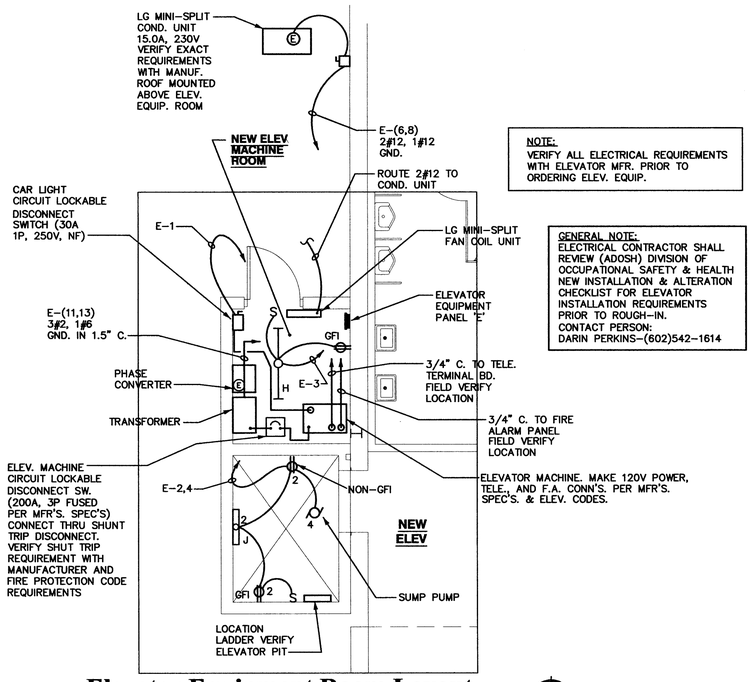
CHECKED BY

DATE July 7th, 2016

JOB NO. 684

SHEET

E1.4



Elevator Equipment Room Layout

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

Plan North

NOTE:
VERIFY ALL ELECTRICAL REQUIREMENTS WITH ELEVATOR MFR. PRIOR TO ORDERING ELEV. EQUIP.

GENERAL NOTE:
ELECTRICAL CONTRACTOR SHALL REVIEW (ADOSH) DIVISION OF OCCUPATIONAL SAFETY & HEALTH NEW INSTALLATION & ALTERATION CHECKLIST FOR ELEVATOR INSTALLATION REQUIREMENTS PRIOR TO ROUGH-IN.
CONTACT PERSON:
DARIN PERKINS-(602)542-1614

GENERAL POWER NOTES:

1. ELECTRICAL CONTRACTOR SHALL VERIFY MOUNTING HEIGHT OR LOCATION OF ANY ELECTRICAL EQUIPMENT AND OR DEVICES HE IS TO VERIFY ITEMS WITH ELECTRICAL ENGINEER, ARCHITECT OR OWNER PRIOR TO ROUGH-IN.
2. ALL RECEPTACLES AT RESTROOM LAVATORIES TO BE GFCI TYPE INSTALLED AT +48" A.F.F.
3. ALL RECEPTACLES IN AREAS WITHIN 6'-0" OF A SINK SHALL BE GFCI TYPE PER NEC
4. CONNECT NEW RECEPTACLE TO NEAREST EXISTING ACTIVE CIRCUIT. VERIFY WITH OWNER IF ADDED RECEPTACLES SHOWN IS NECESSARY OR REQUIRED PRIOR TO ROUGH-IN.
5. EXTERIOR & ROOF MOUNTED MAINT. RECEPT'S. SHALL BE WP, GFCI TYPE PER NEC
6. VERIFY THE EXACT LOCATIONS OF ALL TELEPHONE OUTLETS, DATA OUTLETS AND SPECIAL SYSTEMS OUTLETS WITH THE ARCHITECT/OWNER PRIOR TO ROUGH-IN.
7. ELECTRICAL CONTRACTOR SHALL PROVIDE COVER PLATES FOR ALL UNUSED OUTLETS, DATA OUTLETS AND SPECIAL SYSTEMS OUTLETS, VERIFY DEVICE NOT USED WITH OWNER.
8. ELECTRICAL CONTRACTOR SHALL RELOCATE EXISTING DEVICE TO STANDARD HEIGHTS AS NOTED OR AS DIRECTED BY OWNER/ARCHITECT FIELD VERIFY PRIOR TO ROUGH-IN.
9. ELECTRICAL CONTRACTOR SHALL VERIFY MECHANICAL EQUIPMENT REQUIREMENTS BREAKER, DISC. & WIRE SIZE WITH MANUFACTURER PRIOR TO ROUGH-IN.

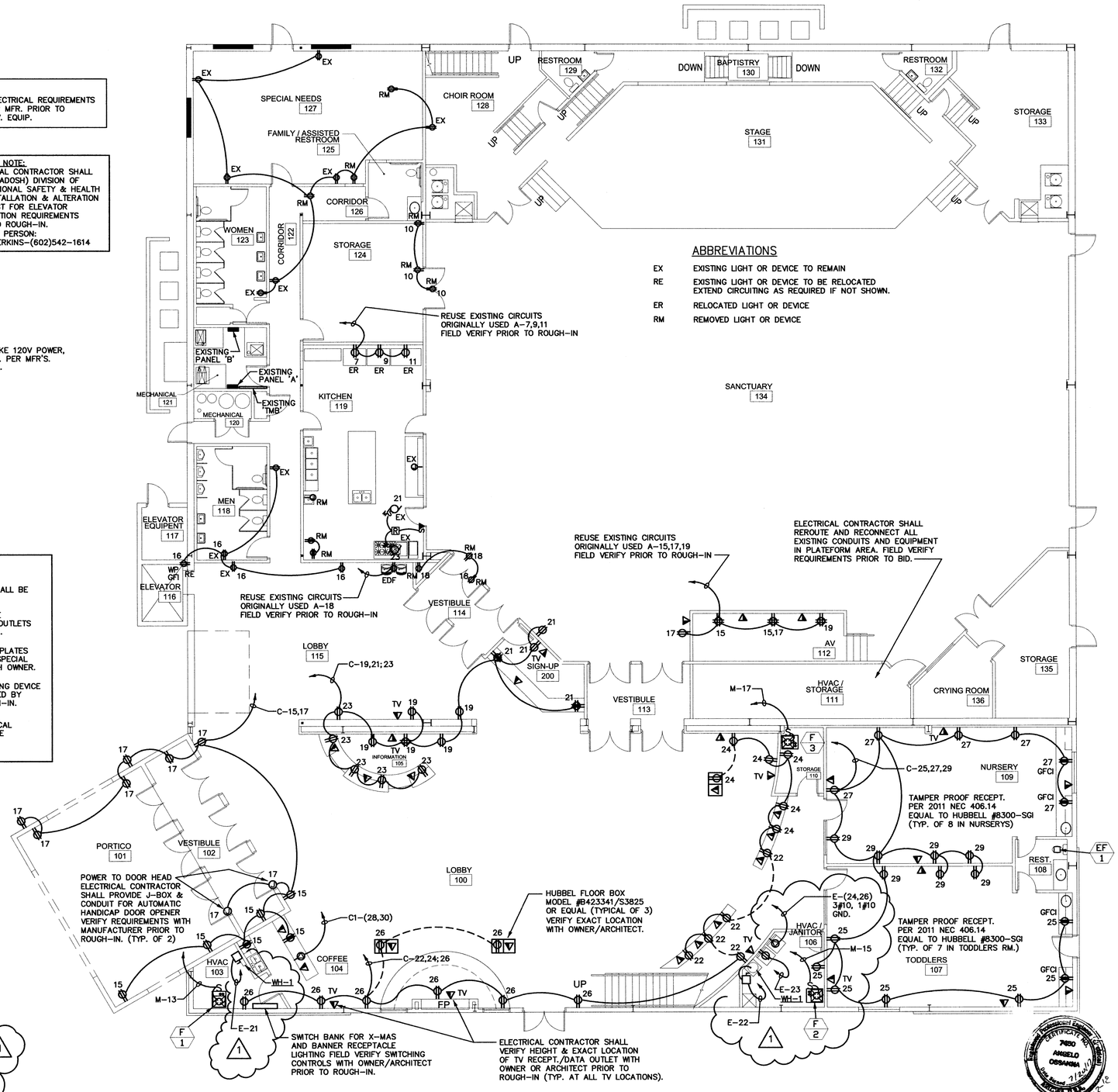
PANELBOARD E SCHEDULE

MAINS: 200A MLO
VOLTAGE: 120/240V, 1Ø, 3W
TYPE: GE TO MATCH EXISTING
LOCATION: SEE PLAN
MOUNTING: SURFACE
MIN. A.I.C.: 42/10K SERIES RATED

CIRCUIT DESCRIPTION	BKR.	CIR. NO.	LOAD-VA ØA	LOAD-VA ØB	CIR. NO.	BKR.	CIRCUIT DESCRIPTION
* ELEV. CAR LIGHTS	20/1	1	500		2	20/1	ELEV. PIT LIGHT & RECEPT'. *
		3	430	250	4		ELEV. PIT SUMP PUMP
EXTERIOR LIGHTS		5	120	670	6	20/1	MINI- SPLIT A/C UNIT
EXTERIOR SIGNAGE		7	1800	500	8	2/1	
* BANNER LIGHTING		9	1000	1800	10		SPARE
* ELEVATOR MACHINE	125/2	11		7125	12		
VERIFY BRK./WIRE SIZE W/ELEV. MFR.		13	7125		14		
SPARE	20/1	15		1656	16		FURNACE F-7
		17	3772		18	50/2	CONDENSING UNIT CU-7
		19		3772	20		32.8 MCA, 230V
ELEC. WATER HEATER WH-2		21	1200		22	30/1	ELEC. WATER HEATER WH-1 230V, 1Ø
CLOTHS WASHER		23	800	2000	24	30/2	DRYER
SPACE		25	2400		26		
		27			28		SPACE
		29			30		SPACE
TOTAL LOAD PER PHASE:			20347	18973			HI@ 20347 / 120V = 169.5 AMPS

PANELBOARD SYMBOLS

* CONTINUOUS DUTY/LARGEST MOTOR @ 125%



ABBREVIATIONS

EX	EXISTING LIGHT OR DEVICE TO REMAIN
RE	EXISTING LIGHT OR DEVICE TO BE RELOCATED EXTEND CIRCUITING AS REQUIRED IF NOT SHOWN.
ER	RELOCATED LIGHT OR DEVICE
RM	REMOVED LIGHT OR DEVICE

First Floor Power Plan

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

Plan North

REVISIONS		BY
1	CITY COMMENTS 7-19-2017	A.O.

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Prescott, AZ 86304
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ARCHITECTURE & PLANNING

DRAWING: POWER FLOOR PLAN - FIRST FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY

CHECKED BY

DATE July 7th, 2016

JOB NO. 684

SHEET **E1.5**

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JOB # 16-34

Jul 20, 2017 - 11:32am

PANELBOARD C SCHEDULE

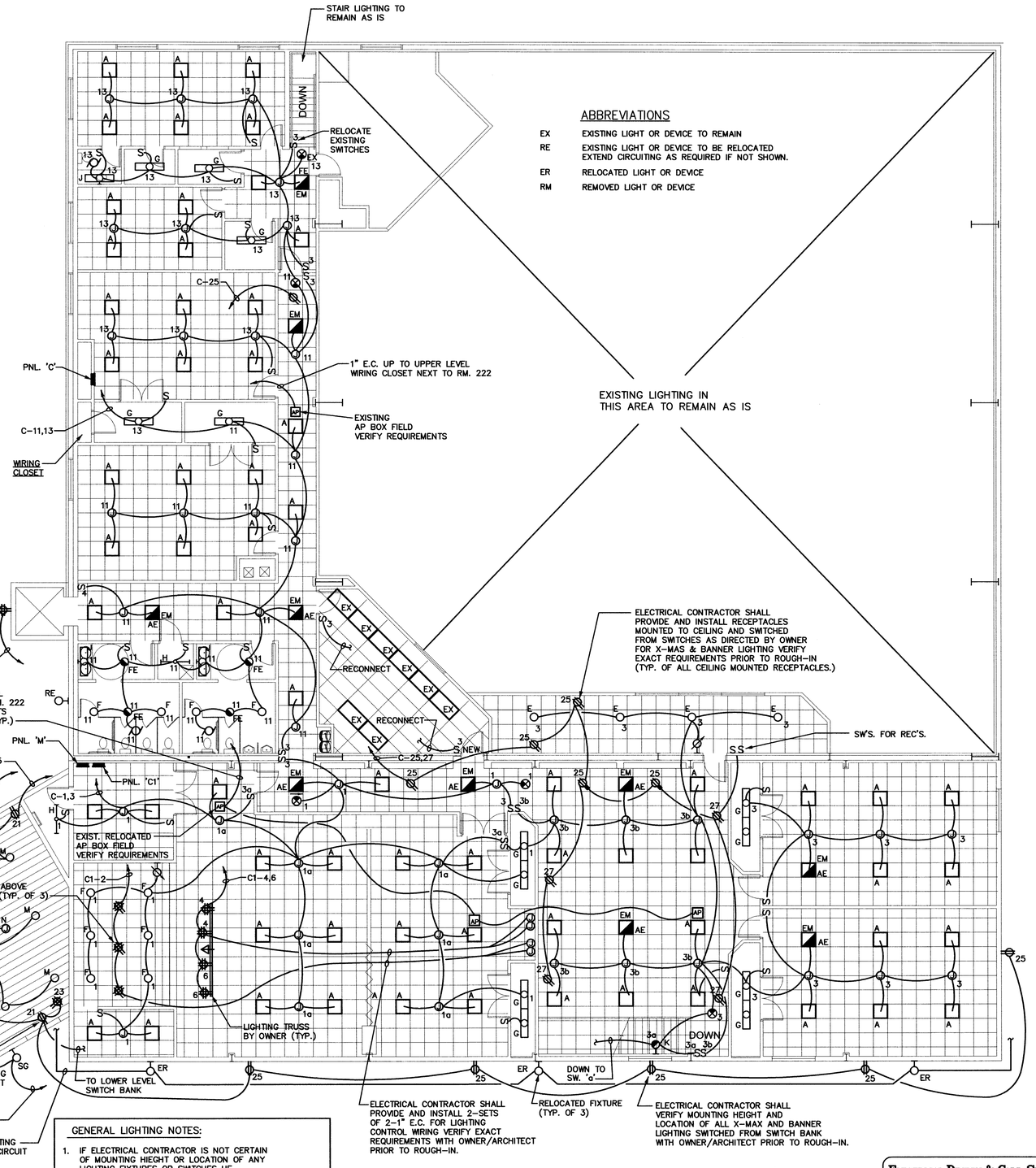
MAINS: 200A MLO					LOCATION: SEE PLAN			
VOLTAGE: 120/240V, 1Ø, 3W			LOAD-VA		MOUNTING: FLUSH			
TYPE: GE (EXISTING)					MIN. A.I.C.: EXISTING (FIELD VERIFY)			
CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	CIR. NO.	BKR.	CIRCUIT DESCRIPTION	
LIGHTS	20/1	1	1313		2	20/1	RECEPT'S.	
LIGHTS	20/1	3		1483	4			
RECEPT'S.	20/1	5	720	720	6			
RECEPT'S.	20/1	7	720		8	100/2	NEW SUB-PANEL 'C1'	
SPACE		9		8383	10			
LIGHTS	20/1	11	1267		12	20/1	RECEPT'S.	
		13	1326	1080	14			
RECEPT'S.		15	1189		16			
		17	1080	1080	18			
		19	1080	900	20			
		21	1080	1080	22			
		23	1080	1200	24			
(FOR XMAS/POSTER LTR.)		25	500	900	26			
(FOR XMAS/POSTER LTR.)		27	1080		28			
		29	500	900	30			
		31	1080		32			
		33	1440	1080	34		SPARE	
SPARE		35		1260	36			
		37			38			
		39			40			
		41			42			
TOTAL LOAD PER PHASE			23089	22432	HI# 23089 / 120 = 192.4 AMPS			

PANELBOARD SYMBOLS

- ✱ CONTINUOUS DUTY/LARGEST MOTOR @ 125%
- ● PROVIDE BREAKER W/ HANDLE "LOCK-ON" DEVICE
- ◆ CIRCUIT VIA TIMECLOCK
- ▲ CIRCUIT VIA PHOTOCELL
- □ HACR TYPE CIRCUIT BREAKER
- ⬡ EXISTING BREAKER W/NEW LOAD
- ○ EXISTING BREAKER W/ EXISTING LOAD
- △ NEW BREAKER W/ NEW LOAD

PANELBOARD C1 SCHEDULE

MAINS: 100A MLO					LOCATION: SEE PLAN			
VOLTAGE: 120/240V, 1Ø, 3W			LOAD-VA		MOUNTING: SURFACE W/ISOLATED GND. BUS			
TYPE: NEW GE (TO MATCH EXISTING)					MIN. A.I.C.: 10,000			
CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	CIR. NO.	BKR.	CIRCUIT DESCRIPTION	
✱ LIGHTS	20/1	1	1512		2	20/1	RECEPT'S. (THEATRICAL LTG.)	
RECEPT'S. (FOR X-MAS/POSTER LTG.)		3		500	4			
RECEPT'S. (FOR X-MAS/POSTER LTG.)		5	500	750	6			
LIGHTS		7		584	8			
RECEPT'S. (FOR X-MAS/POSTER LTG.)		9	500	1250	10			
LIGHTS		11		1134	12			
LIGHTS - EXTERIOR		13	1500	1125	14			
		15		500	16			
SPARE		17	540	540	18			
		19			20		SPARE	
RECEPT'S.		21	900		22			
		23		500	24			
		25	900		26			
SPARE		27		1500	28	20/2	COFFEE MAKER	
		29	1500		30			
SPACE		31			32		SPACE	
		33			34			
		35			36			
		37			38			
		39			40			
		41			42			
TOTAL LOAD PER PHASE			11267	8383	HI# 11267 / 120V = 93.9 AMPS			



ABBREVIATIONS

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GENERAL LIGHTING NOTES:

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Second Floor Lighting Plan

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

Plan North

ELECTRICAL DESIGN & CADD SERVICES INC.
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JOB# 16-34

May 31, 2017 - 1:39pm

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Certificate No. 76250 ANGELO OSSANNA Date Issued 2/13/17 Renewal 2/28/19 Prescott, Arizona

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ARCHITECTURE & PLANNING

DRAWING: LIGHTING FLOOR PLAN - SECOND FLOOR

PROJECT: Lifepointe Church
10100 E. State Rt. 69
Prescott Valley, AZ 86314

APN: 402-14-047J

DRAWN BY	
CHECKED BY	
DATE	July 7th, 2016
JOB NO.	684
SHEET	E1.6

GENERAL POWER NOTES:

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PANELBOARD M SCHEDULE

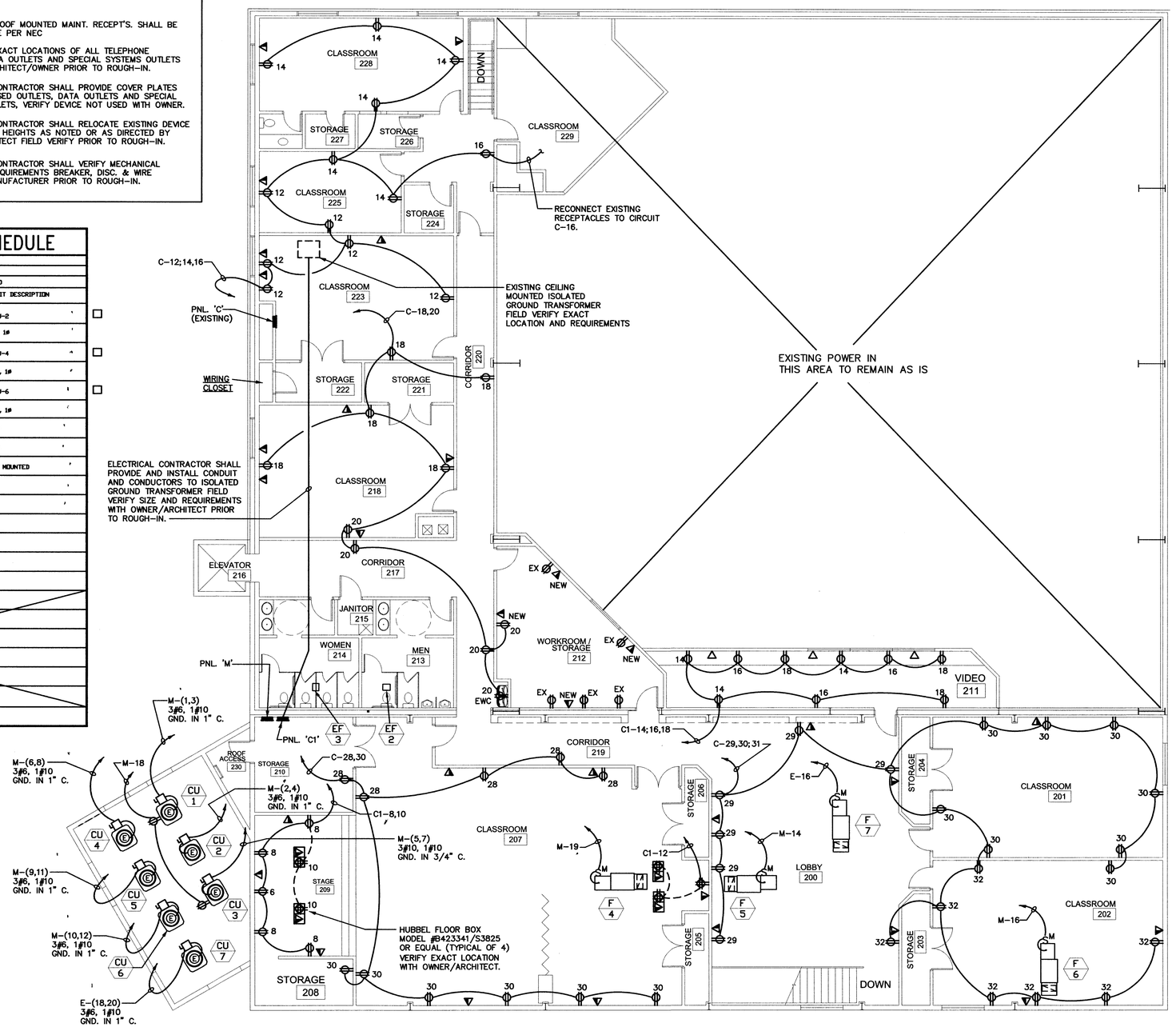
MAINS: 200A MLO | LOCATION: SEE PLAN
VOLTAGE: 120/240V, 1Ø, 3W | MOUNTING: SURFACE
TYPE: GE TO MATCH EXISTING | MIN. A.I.C.: 42K FULL RATED

CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	CIR. NO.	BKR.	CIRCUIT DESCRIPTION
*□ COND'G. UNIT CU-1	50	1	32.8		30		
		2	14.0				
32.8 MCA, 230V, 1Ø	2	3		32.8			
		4		14.0	2		14.0 FLA, 230V, 1Ø
□ COND'G. UNIT CU-3	50	5	24.6		50		COND'G. UNIT CU-4 □
		6	24.6				
24.6 RLA, 230V, 1Ø	2	7		24.6			
		8		24.6	2		24.6 RLA, 230V, 1Ø
□ COND'G. UNIT CU-5	50	9	24.6		50		COND'G. UNIT CU-6 □
		10	24.6				
24.6 FLA, 230V, 1Ø	2	11		24.6			
		12		24.6	2		24.6 FLA, 240V, 1Ø
FURNACE - F-1	20	13	7.2		20	1	FURNACE - F-5
	1		13.8				
- F-2		15		7.2	20	1	FURNACE - F-6
				13.8			
- F-3		17	13.8		20	1	RECEPT'S. ROOF MOUNTED
			3.0				
- F-4		19		13.8	20	1	SPARE
SPACE		21					SPACE
		23			24		
		25			26		
		27			28		
		29			30		
		31			32		
		33			34		
		35			36		
		37			38		
		39			40		
		41			42		
TOTAL LOAD PER PHASE:			180.0	180.0			

LOAD-AMPS

PANELBOARD SYMBOLS

- * CONTINUOUS DUTY/LARGEST MOTOR @ 125%
- ● PROVIDE BREAKER W/ HANDLE "LOCK-ON" DEVICE
- ◆ CIRCUIT VIA TIMECLOCK
- ▲ CIRCUIT VIA PHOTOCELL
- □ HACR TYPE CIRCUIT BREAKER



Second Floor Power Plan

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

Plan North

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May 31, 2017 - 12:08pm

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Certified Professional Engineer — 7450 — ANGELO OSSANNA — 5/31/17 — Date Signed — Arizona, U.S.A. — Exp. 12-31-18

Angelo V. Ossanna

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