Alliance Home Improvement Center

PRESCOTT VALLEY, ARIZONA

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 Description

PV ALLIANCE LLC INTENDS TO CONSTRUCT A HOME IMPROVEMENT / LUMBER RETAIL BUILDING. A PORTION OF THE BUILDING WILL BE AN INTERIOR DRIVE THROUGH LUMBER YARD. THE OTHER SIDE OF THE BUILDING WILL BE USED FOR HOME IMPROVEMENT AND HARDWARE SALES. ALSO INCLUDED ARE OFFICES, BREAK ROOM, RESTROOMS AND A DISPLAY AREA.

Project Information

Owner:	PV Alliance LLC 11811 N Tatum Blvd Ste 1060 Phoenix Az. 85028	Contact Tom Toth, 928-710-6188 tom.toth@alliancelumber.com
Prepared by:	W. Alan Kenson & Associates P.O. Box 11593 Prescott, AZ 86304	Contact: Alan Kenson, 928-443-5812 waka@cableone.net
Contractor:	Kenson Construction 6135 Corsair Ave. Prescott, AZ 86301	Contact: Alan Kenson, 928-443-5812 waka@cableone.net
Jobsite Address:	To be determined Prescott Valley, Arizona 86314	
Parcel Number:	103-71-001F	
Lot Area:	3.92 Acres	
Zoning:	C2	
Current Code:	2018 International Building Code 2018 International Plumbing Code 2018 International Mechanical Code 2018 International Fuel Gas Code 2018 International Fire Code 2017 National Electric Code 2010 ADA Standards for Accessible Design	
Proposed Building Area :	1st Floor = 35,480 S.F. 2nd Floor = 2,618 S.F. Total = 38,098 S.F.	
Building Height:	32', Two Stories	
Site Use:	Retail	
Occupancy:	Mercantile	
Construction Type:	Type V-B	
Parking:	180 Required - 182 provided	

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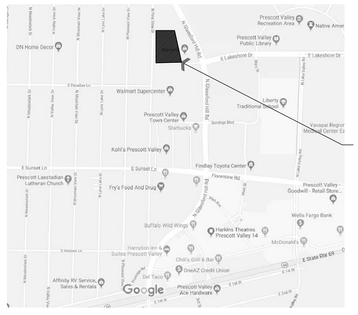
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Graphic Standards

- EXISTING DOOR
- PROPOSED DOOR
- NORTH ARROW INDICATOR (North)
- NUMBER / SHEET — DETAIL DESIGNATOR
- LETTER / SHEET — BUILDING SECTION DESIGNATOR
- GRID LINE DESIGNATOR
- NUMBER — REVISION DESIGNATOR
- #/SHEET — ELEVATION DESIGNATOR
- DESCRIPTIVE NOTE DESIGNATOR
- ROOM NUMBER / FINISH DESIGNATOR
- # / LETTER — DOOR NUMBER DESIGNATOR
- LETTER — DOOR TYPE DESIGNATOR
- LETTER — WINDOW TYPE DESIGNATOR
- WALL TYPE DESIGNATOR

Vicinity Map



NO SCALE North

Architect:

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ARCHITECTURE & PLANNING

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1 TOPV COMMENTS 6-30-2020 LO

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON Date Signed 06/30/20 ARIZONA EXPIRES: 6/30/21

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ARCHITECTURE & PLANNING

DRAWING: Cover Sheet
PROJECT: Alliance Home Improvement Center, Prescott Valley, AZ 86314
APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: CS1

Plumbing Calculations

OCCUPANCY CLASSIFICATION	OCCUPANCY COUNT	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINK
MERCANTILE	358	.72	.48	1	1
BUSINESS	11	.44	.28		
TOTAL REQUIRED		1.17	.76		
TOTAL PROVIDED		5 W.C. &1 URINAL	6	2	1

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 = 0.15)
  [XX] PROVIDED EXIT WIDTH
- <# > WORST CASE TRAVEL DISTANCE

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR
MERCANTILE	300 / 60 GROSS
OFFICE	150 GROSS

Nonseparated Occupancies

COMPLIANCE WITH THE NONSEPARATED OCCUPANCIES SECTION 508.3

FROM TABLE 506.2 TYPE II-B
ALLOWABLE AREA 27,000 S.F.
AMOUNT OF INCREASE PER SECTION 506.3
EQUATION 5-5 IF=(F/P-0.25)W/30
IF=(555/830-0.25)30/30
IF=.41867
27,000 x .41867=11,304 INCREASE
TOTAL ALLOWABLE AREA: 38,304 S.F.
TOTAL PROPOSED AREA: 38,098 S.F.

Occupant load

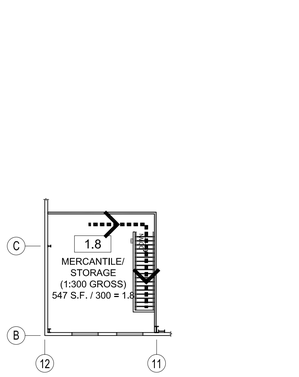
NOTE:
GROSS SQUARE FOOTAGE LISTED BELOW DOES NOT INCLUDE ACCESSORY AREAS.

MERCANTILE AREA	18,547 SQ. FT.	309 OCCUPANTS
MERCANTILE STORAGE AREA	14,838 SQ. FT.	49 OCCUPANTS
OFFICE AREA:	1,644 SQ. FT.	11 OCCUPANTS
MECHANICAL AREA:	864 SQ. FT.	3 OCCUPANTS
TOTAL:	35,029 SQ. FT.	372 OCCUPANTS

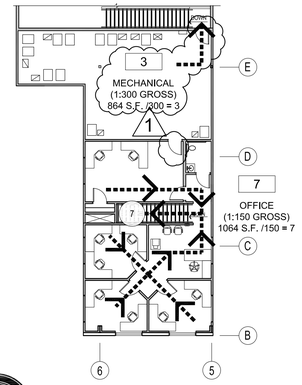
NOTE:
- PROVIDE A 6"x9" BLUE TACTILE 'EXIT' SIGN AS MANUFACTURED BY 'SIMPLY EXIT SIGNS (#SE-1980)' OR EQUAL COMPLYING WITH ICCA117.1 AND IBC 1011.3 ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. SIGN SHALL BE MOUNTED 60" A.F.F. TO THE CENTER OF THE SIGN.

Accessibility Notes

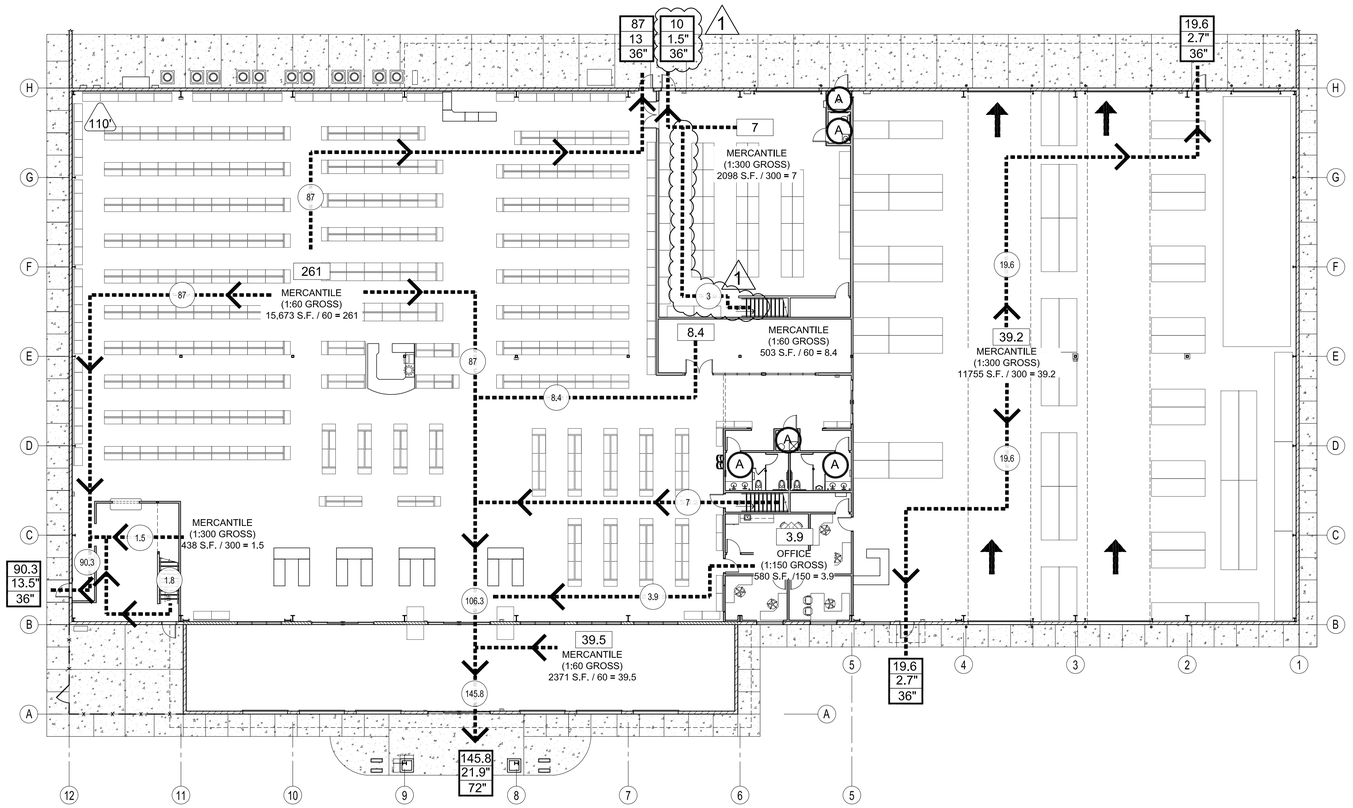
1. ACCESS TO THESE FACILITIES SHALL BE AT PRIMARY ENTRANCES.
2. THE SLOPE OF PUBLIC WALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 2%.
3. WALKING SURFACES GREATER THAN 2% SHALL BE SLIP RESISTANT.
4. PROVIDE A 44"x60" MINIMUM LANDING ON THE STRIKE SIDE OF THE ENTRANCE DOOR WITH 44" MINIMUM WIDTH IN THE 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.)



A2 Second Floor Plan
Scale: 1/16"=1'-0"
Plan North



B2 Second Floor Plan
Scale: 1/16"=1'-0"
Plan North



A1 First Floor Plan
Scale: 1/16"=1'-0"
Plan North

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1 TOPV COMMENTS 6-30-2020 | LO

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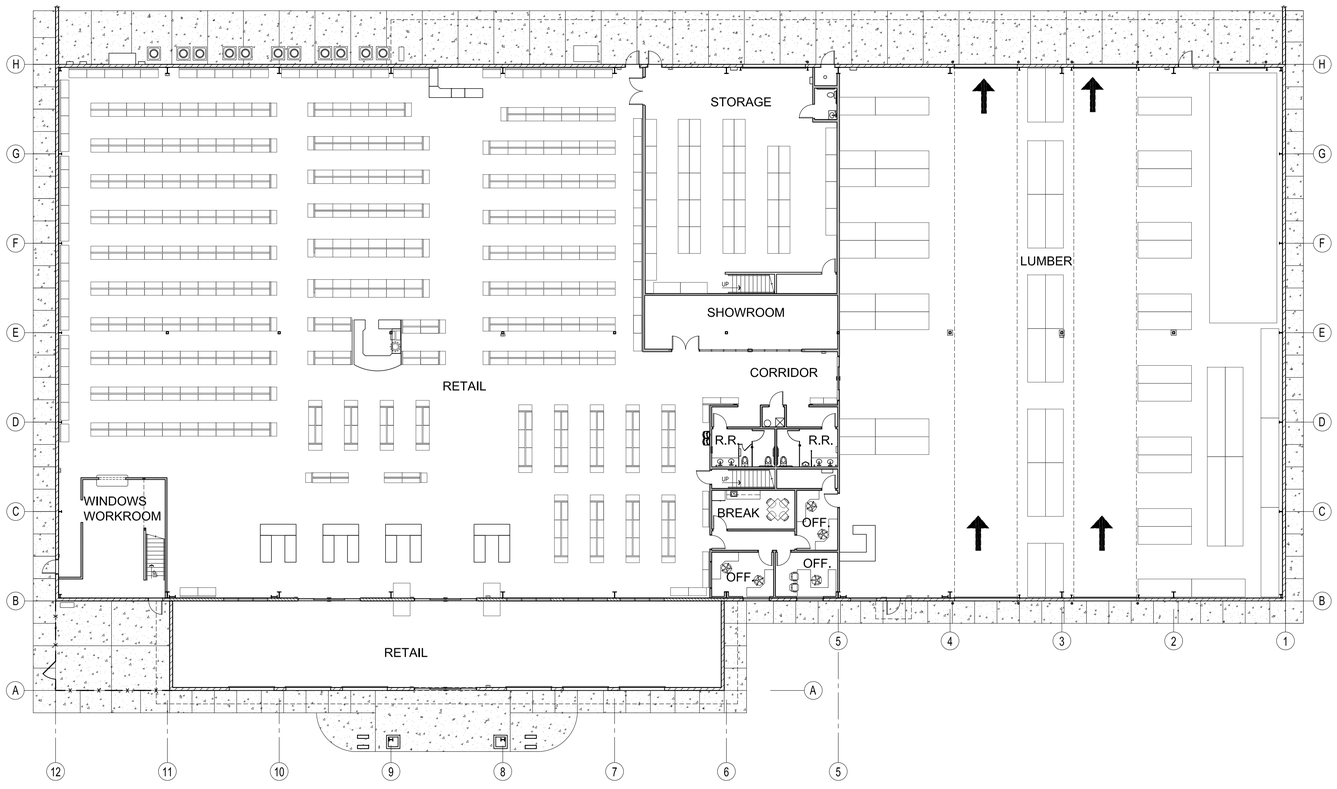


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ARCHITECTURE & PLANNING

DRAWING: Occupancy / Egress Plans and Code Summary
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314
APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: CS2

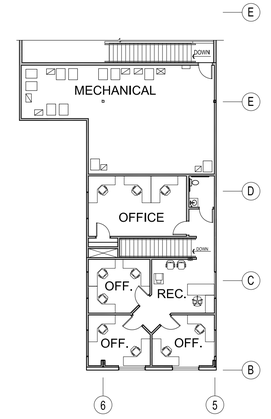
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A1 First Floor Plan

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

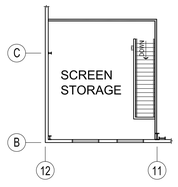
Plan North



B2 Second Floor Plan

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

Plan North



B1 Second Floor Plan

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

Plan North

May 30, 2020 - 3:22pm

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REGISTERED ARCHITECT
CERTIFICATE NO.
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W. ALAN KENSON
ARIZONA
Date Signed: 06/30/20
EXPIRES: 6/30/21

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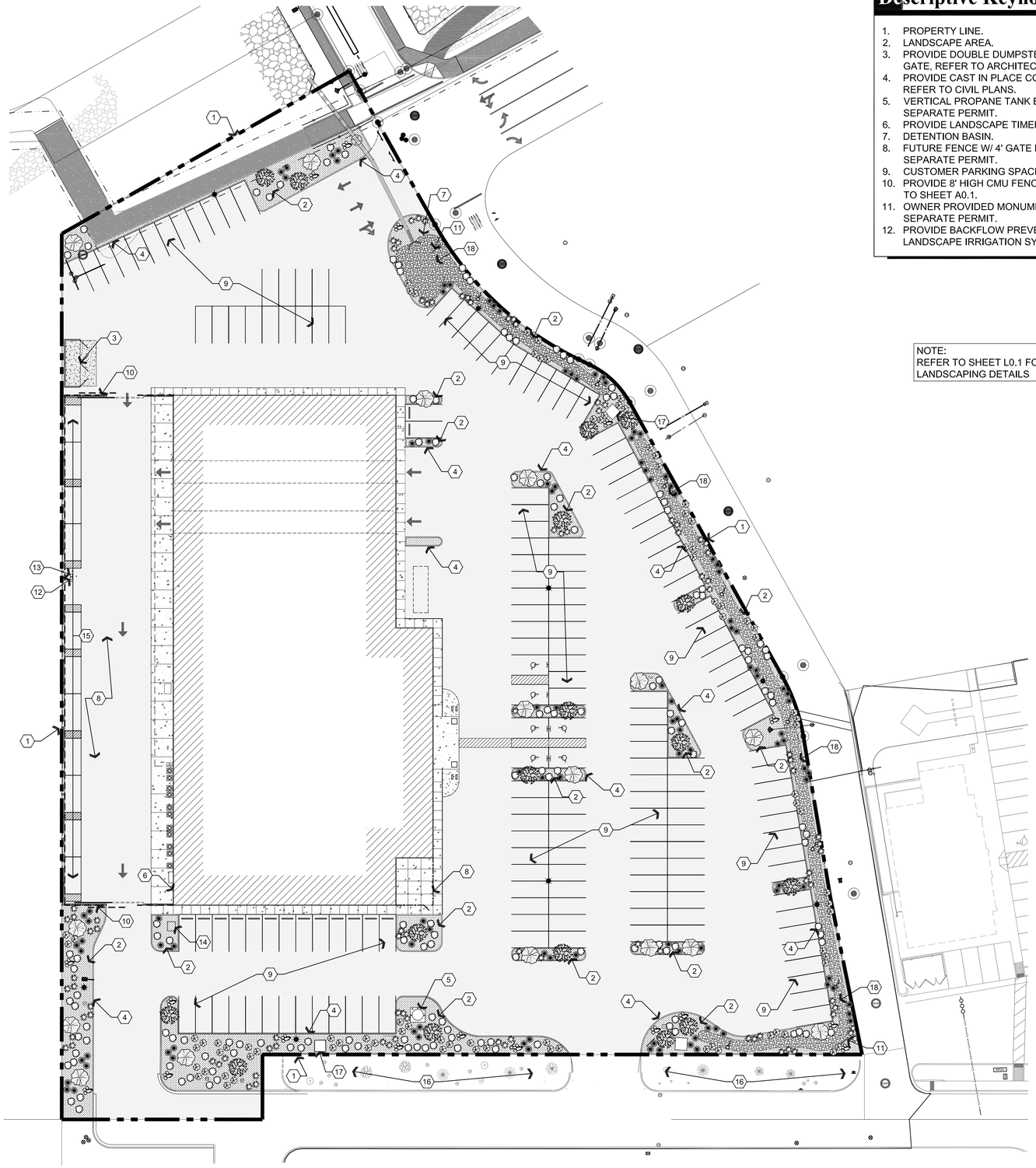
DRAWING: Overall Floor Plans

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

CS3



A1 Landscape Plan

Scale: 1"=30'-0"

North

Descriptive Keynotes

1. PROPERTY LINE.
2. LANDSCAPE AREA.
3. PROVIDE DOUBLE DUMPSTER ENCLOSURE WITH GATE, REFER TO ARCHITECTURAL SITE PLAN.
4. PROVIDE CAST IN PLACE CONCRETE CURB, TYP., REFER TO CIVIL PLANS.
5. VERTICAL PROPANE TANK BY OWNER UNDER SEPARATE PERMIT.
6. PROVIDE LANDSCAPE TIMER.
7. DETENTION BASIN.
8. FUTURE FENCE W/ 4' GATE BY OWNER UNDER SEPARATE PERMIT.
9. CUSTOMER PARKING SPACES, TYPICAL.
10. PROVIDE 8' HIGH CMU FENCE WITH GATE, REFER TO SHEET A0.1.
11. OWNER PROVIDED MONUMENT SIGNAGE UNDER SEPARATE PERMIT.
12. PROVIDE BACKFLOW PREVENTOR FOR LANDSCAPE IRRIGATION SYSTEM. PROVIDE ASSE 1060 COMPLIANT FREEZE RESISTANT COVER BOLTED TO CONCRETE SLAB. REFER TO CIVIL PLANS.
13. PROVIDE 3/4" VALVED SCHEDULE 40 PVC STUB - OUT IN BELOW GRADE YARD BOX FOR LANDSCAPE IRRIGATION SYSTEM, REFER TO CIVIL PLANS.
14. ELECTRICAL TRANSFORMER.
15. EMPLOYEE PARKING AREA.
16. EXISTING LANDSCAPE AREA.
17. EXISTING ELECTRICAL SWITCHING CABINET.
18. RIP RAP BY CIVIL CONTRACTOR, REFER TO CIVIL PLANS.

NOTE:
REFER TO SHEET L0.1 FOR LANDSCAPING DETAILS

Project Information

PROJECT NAME: ALLIANCE HOME IMPROVEMENT CENTER

ASSESSOR'S PARCEL NUMBER: 103-71-001F

ARCHITECT: W. ALAN KENSON AND ASSOCIATES
ADDRESS: P.O. BOX 11593, PRESCOTT, AZ 86304
PHONE: 928-443-5812

Plant Schedule

SYMBOL	SIZE	QUANTITY	COMMON NAME / SCIENTIFIC NAME
	1 GAL	140	AUTUMN SAGE / SALVIA GREGGII
	5 GAL	92	SPANISH DAGGER / YUCCA GLORIOSA
	5 GAL	88	TEXAS SAGE / LEUCOPHYLLUM FRUTESCENS
	5 GAL	113	ROSEMARY / ROSEMARY OFFICINALIS
	2' - 3'	17	BOULDER CLUSTER
	15 GAL	16	SUNBURST HONEYLOCUST / GLEDITSIA TRIACANTHOS
	15 GAL	18	ARIZONA ASH / FRAXINUS VELUTINA

TOTAL LANDSCAPE AREA PROVIDED: 19,997S.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. REFER TO CIVIL PLANS FOR TOPOGRAPHY.

LANDSCAPING CALCULATIONS

PARKING LOT AREA: 104,288 S.F.
REQUIRED LANDSCAPING (10%) 10,429 S.F.
PROVIDED LANDSCAPING: 19,997 S.F.

Legend:

- TYPICALLY INDICATES BUILDING AREA
- TYPICALLY INDICATES PROPOSED ASPHALT SURFACE AREA
- TYPICALLY INDICATES PROPOSED CONCRETE
- TYPICALLY INDICATES LANDSCAPE AREA

REVISIONS	BY

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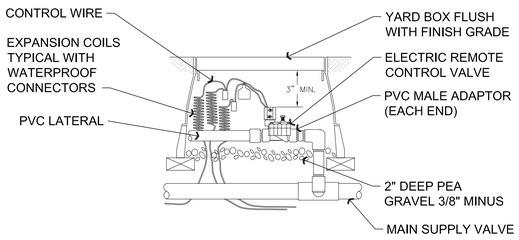
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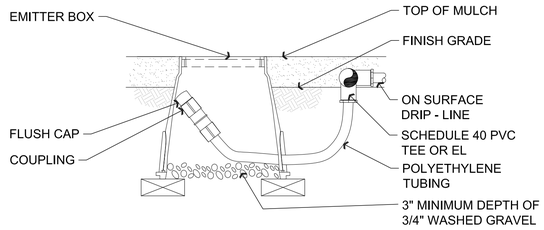
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: L0.0

May 30, 2020 - 3:22pm



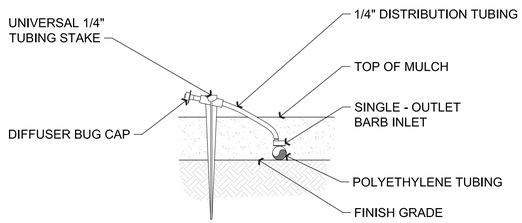
NOTE: SEAL ALL THREADED JOINTS / FITTINGS WITH APPROVED SEALANT PRIOR TO ASSEMBLY

A4 Typical Electric Remote Control Valve



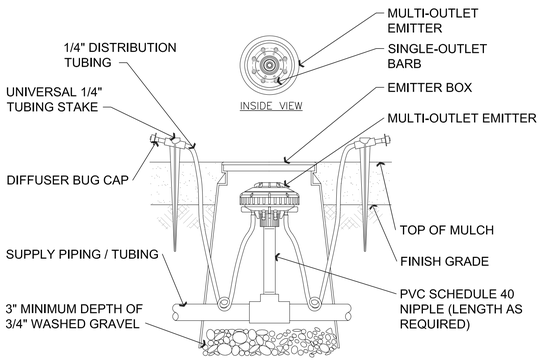
NOTE: ALLOW A MINIMUM 6" OF DRIP - LINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

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

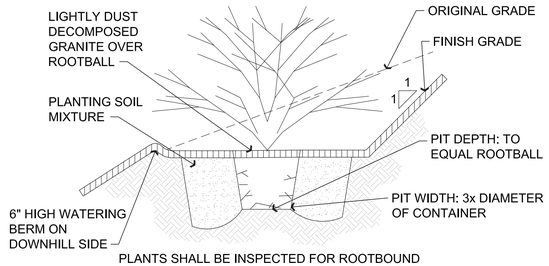


NOTE: COIL ADDITIONAL 9" OF TUBING IN EMITTER BOX TO FACILITATE MAINTENANCE.

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.)

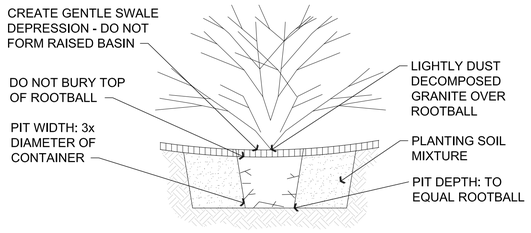
FOR SLOPED CONDITIONS PLACE DISTRIBUTION POINT AT THE HIGH POINT OF PLANTING WELL.

B1 Typical Multi - Port Emitter



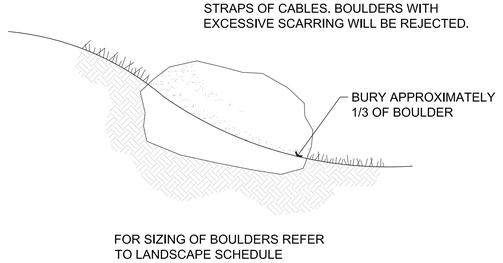
PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

C4 Typical Shrub Planting on Slope



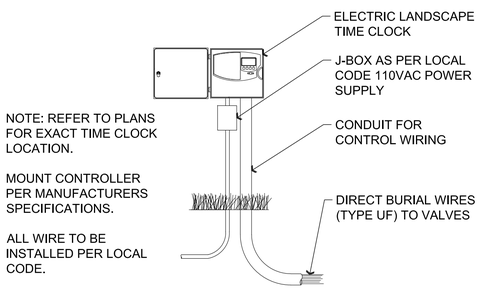
PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

C3 Typical Shrub Planting

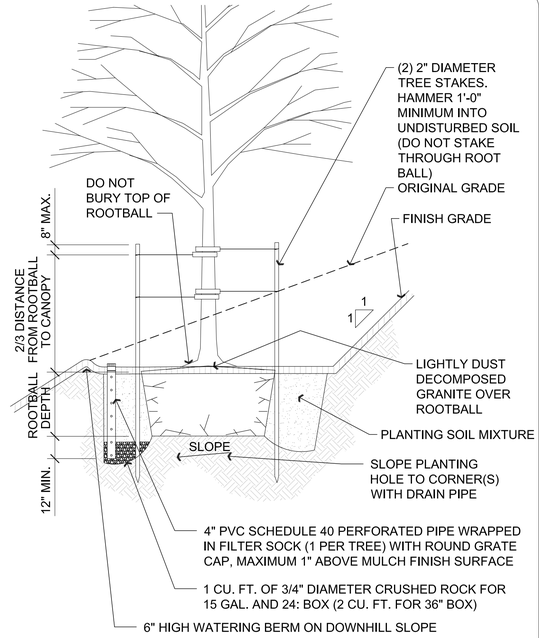


FOR SIZING OF BOULDERS REFER TO LANDSCAPE SCHEDULE

C2 Typical Boulder Detail



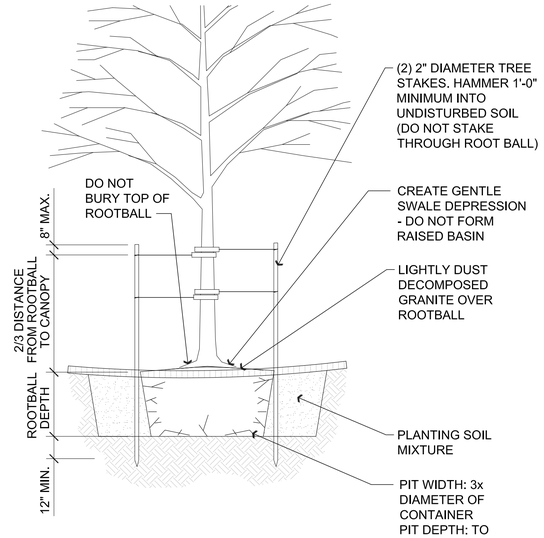
C1 Typical Electric Landscape Time Clock



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

REVISIONS	BY

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ARCHITECTURE & PLANNING

DRAWING: LANDSCAPE DETAILS

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

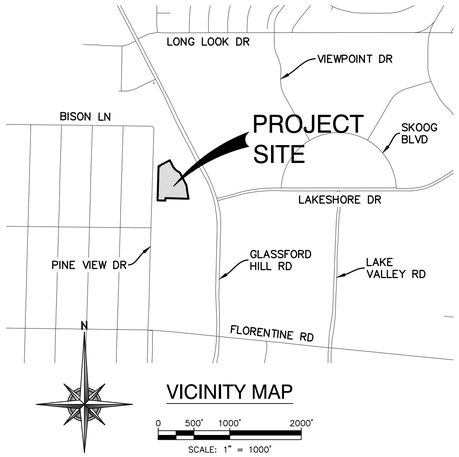
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: L0.1

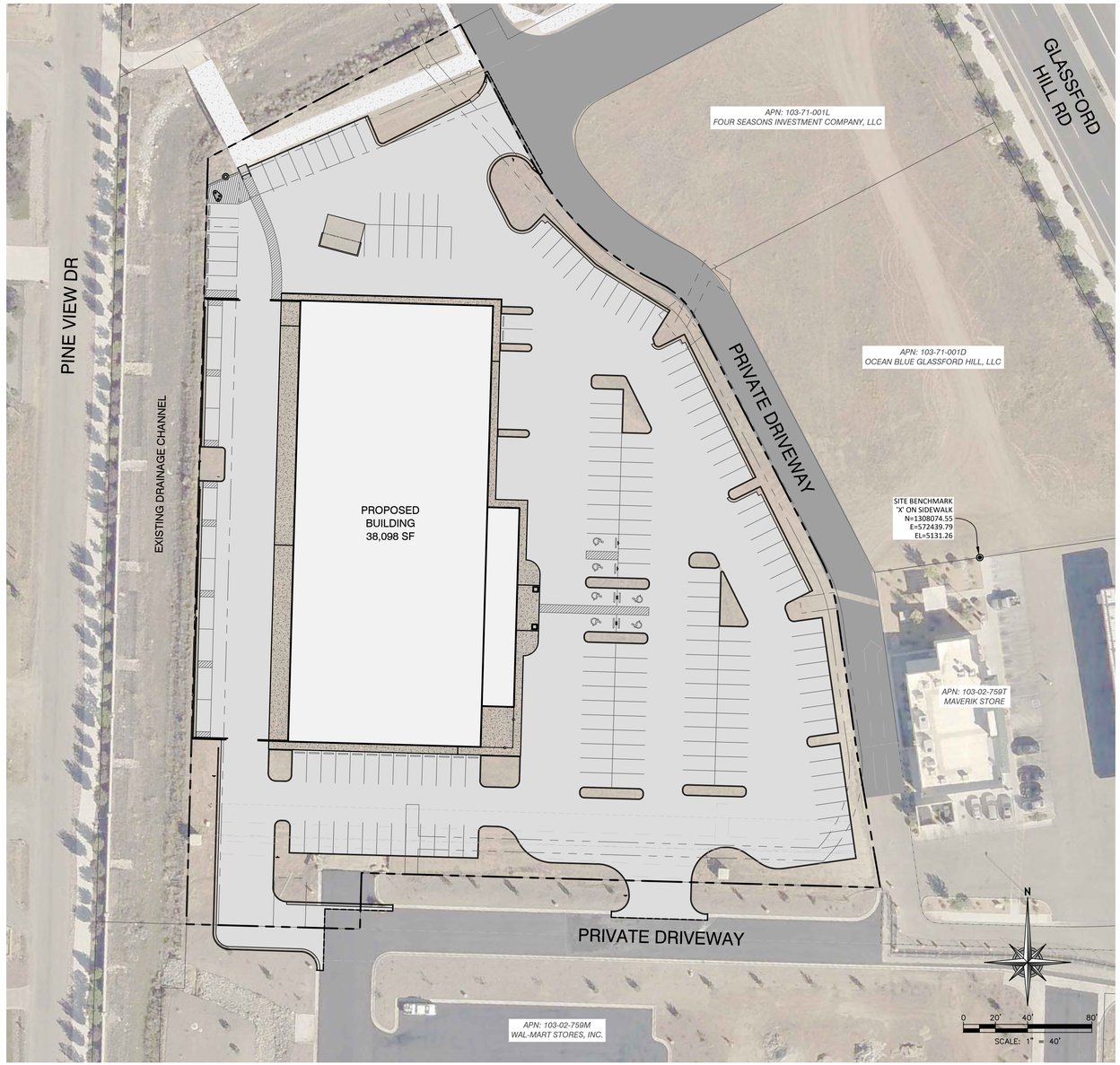
May 30, 2020 - 3:26pm

ALLIANCE HOME IMPROVEMENT CENTER

CIVIL IMPROVEMENT PLANS

APN: 103-71-001F, GLASSFORD HILL MARKET PLACE NORTH
SITUATED IN A PORTION OF SECTION 14, TOWNSHIP 14 NORTH, RANGE 1 WEST GILA AND SALT RIVER MERIDIAN
TOWN OF PRESCOTT VALLEY, YAVAPAI COUNTY, ARIZONA





LOCATION MAP

PROJECT OWNER
PV ALLIANCE, LLC
11811 N. TATUM BLVD., SUITE 1060
PHOENIX, ARIZONA 85028

ARCHITECT
W. ALAN KENSON & ASSOCIATES, P.C.
P.O. BOX 11593
PRESCOTT, ARIZONA 86304
(928) 443-5812

CIVIL ENGINEER
GRANITE BASIN ENGINEERING,INC
1981 COMMERCE CENTER CIRCLE, SUITE B
PRESCOTT, ARIZONA 86301
(928) 717-0171
CONTACT: BEN B. HUZA, P.E.
GBE PROJECT #20019

GEOTECHNICAL ENGINEER
ENGINEERING & TESTING CONSULTANTS, INC
417 NORTH ARIZONA STREET
PRESCOTT, ARIZONA 86301
(928) 778-9001

SHEET INDEX

NUMBER	SHEET	SHEET TITLE
1	C1	COVER
2	C2	GENERAL NOTES
3	C3	STANDARD DETAILS
4	C4	STANDARD DETAILS
5	C5	EXISTING SITE SURVEY MAP
6	C6	PROJECT SUMMARY MAP
7	C7	SITE CROSS SECTIONS
8	C8	GRADING & DRAINAGE PLAN
9	C9	STORM SEWER PLAN & PROFILE
10	C10	WATER & SEWER PLAN
11	C11	EROSION CONTROL PLAN

UTILITY CONTACT INFORMATION

UTILITY	COMPANY	CONTACT	PHONE
ELECTRIC/POWER	ARIZONA PUBLIC SERVICE 6672 CORSAIR AVENUE PRESCOTT, AZ 86301	SHERYL McCRACKEN	O: (928) 443-6621 C: (928) 499-0625
PHONE/COMMUNICATION	CENTURYLINK 1445 MASONRY WAY PRESCOTT, AZ 86301	ARMEN McNERLIN	(928) 821-4609
NATURAL GAS	UNISOURCE 6405 WILKINSON DRIVE PRESCOTT, AZ 86301	MALI ROSS	(928) 771-7227
CABLE TELEVISION	SPARKLIGHT 3801 TOWER ROAD PRESCOTT, AZ 86305	DOUG HAMILTON	(928) 443-3305
WATER & SEWER	TOWN OF PRESCOTT VALLEY 7501 SKOOG BLVD PRESCOTT VALLEY, AZ 86314	NEIL WADSWORTH	(928) 759-3070
TOPV WATER OPERATIONS	JACOBS 8434 EAST LONG MESA DRIVE PRESCOTT VALLEY, AZ 86315	EMERGENCY SWITCHBOARD	(928) 759-9062
FIRE PREVENTION	CENTRAL ARIZONA FIRE & MEDICAL AUTHORITY (CAFMA) 8603 E. EASTRIDGE DRIVE PRESCOTT VALLEY, AZ 86314	RICK CHASE	(928) 772-7711

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

FINISHED GRADE ESTIMATED EARTHWORK
RAW CUT =4,370 CY
RAW FILL = 2,240 CY
NET = 2,130 CY (CUT)

TOWN OF PRESCOTT VALLEY BENCHMARKS

THE PROJECT COORDINATE SYSTEM IS CONSISTENT WITH THE PUBLISHED TOWN OF PRESCOTT VALLEY COORDINATE SYSTEM AND THE TOWN REFERENCE POINTS USED FOR THIS SURVEY ARE AS FOLLOWS

REFERENCE POINT	NORTHING	EASTING	ELEVATION (88)
RP 3	1315327.04	572000.70	5033.64
RP 16	1304721.51	576809.27	5108.01

FLOODPLAIN NOTE

THIS PROJECT IS LOCATED ON FEMA FLOOD INSURANCE RATE MAP (FIRM) 04025C2077G, EFFECTIVE SEPTEMBER 3, 2010 AND IS NOT IMPACTED BY THE FEMA DELINEATED 100-YR FLOODPLAIN.

PROJECT AREA SUMMARY

PROJECT SITE AREA = 3.92 ACRES
DISTURBED AREA = 3.92 ACRES

APPROVED BY

TOWN OF PRESCOTT VALLEY _____ DATE _____

NOT YET CONSTRUCTED

AS-BUILT CERTIFICATION

I HEREBY CERTIFY, TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THIS PROJECT HAS BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND REFERENCED STANDARDS, EXCEPT AS SHOWN HEREON; THAT THESE AS-BUILT PLANS REFLECT THE POSITION OF CONSTRUCTED IMPROVEMENTS BASED ON FIELD MEASUREMENTS; AND THAT THE MATERIALS USED IN CONSTRUCTION ARE AS SHOWN BASED ON FIELD OBSERVATION AND TEST RESULTS.

REVISIONS	BY
1 REVISIONS PER TOPV ROUND 1 COMMENTS	BH

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Registered Professional Engineer (Civil) Ben B. Huza 45636 Expires 12/31/20 Arizona U.S.A.

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DRAWING: CIVIL IMPROVEMENT PLANS
COVER
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314
APN: 103-71-001F

DRAWN BY	BH
CHECKED BY	BH
DATE	July 14, 2020
JOB NO.	753
SHEET	C1

FILE: Z:\Projects\2020\20019\DWG\CIVIL PLANS\20019-01--COVER.dwg <<C3D_Imperial>>
Jul 14, 2020 - 11:59am

SECTION 103 – 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.
- GEOTECHNICAL EXPLORATION FOR "ALLIANCE HARDWARE & LUMBER, PRESCOTT VALLEY, AZ" PREPARED BY ENGINEERING & TESTING CONSULTANTS, INC ON FEBRUARY 25, 2020 AND ALL ADDENDUMS TO THIS REPORT.

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 ACTIVITY 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.

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 THE SPECIFICATIONS 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 TO AVOID DAMAGE RESULTING FROM FAILURE TO ADEQUATELY LOCATE UTILITIES, AND TAKE NECESSARY PRECAUTIONS TO PROTECT THEM, WILL BE THE CONTRACTOR'S 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-BUILT –

"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 – 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 – 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 – 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 R18-5-502, LATEST REVISION, MUST BE ON THE PLANS THAT WILL BE APPROVED BY ADEQ OR THEIR DELEGATED REVIEWER (YAVAPAI COUNTY).

PER AAC R18-5-508, ALL QUALITY CONTROL TESTING SHALL BE PERFORMED BY THE CONTRACTOR AND OBSERVED BY THE ENGINEER OF RECORD INCLUDING, BUT NOT LIMITED TO MICROBIOLOGICAL, PRESSURE AND DISINFECTION TESTING.

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.

601.6 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, THE 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 HOT 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.~~

601.18 TESTING –

PER AAC R18-5-508, ALL QUALITY CONTROL TESTING SHALL BE PERFORMED BY THE CONTRACTOR AND OBSERVED BY THE ENGINEER OF RECORD INCLUDING BUT NOT LIMITED TO MICROBIOLOGICAL, PRESSURE AND DISINFECTION TESTING

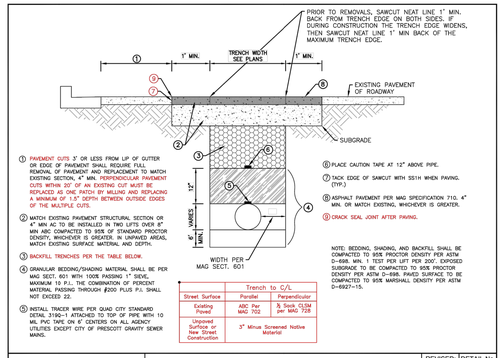
SECTION 630 – SEWER CONSTRUCTION NOTES:

631.1 ADEQ –

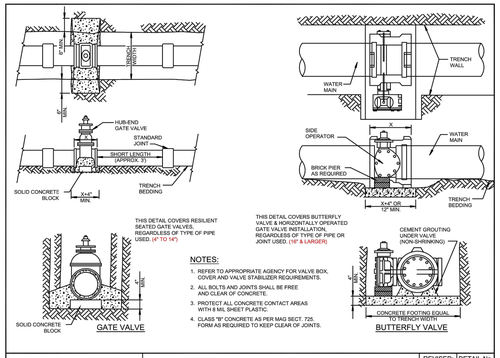
ADEQ REQUIREMENTS MUST BE COMPLIED WITH. A SPECIFIC NOTE REFERENCING AAC R18-5-502, LATEST REVISION, MUST BE ON PLANS THAT WILL BE APPROVED BY ADEQ OR THEIR DELEGATED REVIEWER (YAVAPAI COUNTY).

631.2 CLEARANCE –

UTILITY CLEARANCES SHALL BE MAINTAINED IN ACCORDANC

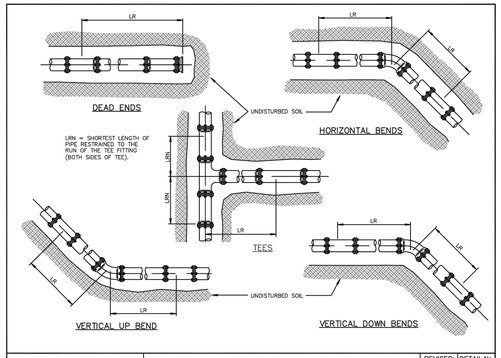


QUAD CITY STANDARD DETAIL | TRENCH BACKFILL AND SURFACE REPLACEMENT | REVISED: X/17 | DETAIL No. 200Q-1



NOTES:
1. REFER TO APPROPRIATE AGENCY FOR VALVE BOX, COVER AND VALVE STABILIZER REQUIREMENTS.
2. ALL BOLTS AND JOINTS SHALL BE FREE AND CLEAR OF CONCRETE.
3. PROTECT ALL CONCRETE CONTACT AREAS WITH 6 MIL SHEET PLASTIC.
4. CLASS "B" CONCRETE AS PER MAG SECT. 725. FORM AS REQUIRED TO KEEP CLEAR OF JOINTS.

QUAD CITY STANDARD DETAIL | VALVE BLOCKING | REVISED: X/17 | DETAIL No. 301Q



QUAD CITY STANDARD DETAIL | JOINT RESTRAINT FOR DUCTILE IRON, POLYETHYLENE WRAPPED DUCTILE IRON & PVC WATER PIPES | REVISED: X/17 | DETAIL No. 303Q-1

RESTRAINED LENGTHS, LR, FOR DUCTILE IRON PIPE

NOMINAL PIPE SIZE INCHES	HORIZONTAL BENDS			TEES		VERTICAL OFFSETS						VALVES & DEAD ENDS
						90° BEND FITTINGS		45° BEND FITTINGS		22-1/2° BEND FITTINGS		
	90°	45°	22-1/2°	LRN=0°	LRN=10°	DOWN BEND	UP BEND	DOWN BEND	UP BEND	DOWN BEND	UP BEND	
4	18	7	4	30	8	31	18	13	7	6	3	37
6	25	10	5	43	20	44	25	18	10	9	5	44
8	32	13	6	56	34	58	32	24	13	11	6	58
10	38	16	8	68	45	69	38	29	16	14	8	69
12	45	19	9	80	57	81	45	34	19	16	9	81
14	51	21	10	91	68	92	51	38	21	18	10	92
16	57	24	11	103	79	104	57	43	24	21	11	104
18	62	26	12	113	90	115	62	48	26	23	12	115
20	68	28	14	125	100	126	68	52	28	25	14	126
24	79	33	16	145	121	147	79	61	33	29	16	147

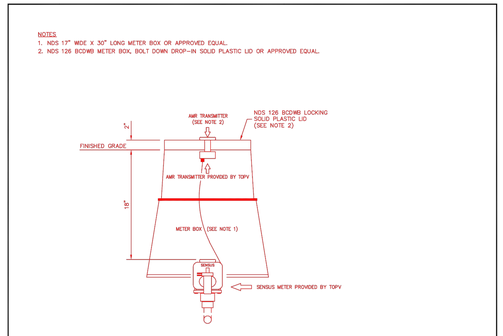
RESTRAINED LENGTHS, LR, FOR DUCTILE IRON PIPE WITH POLYETHYLENE WRAP OR PVC

NOMINAL PIPE SIZE INCHES	HORIZONTAL BENDS			TEES		VERTICAL OFFSETS						VALVES & DEAD ENDS
						90° BEND FITTINGS		45° BEND FITTINGS		22-1/2° BEND FITTINGS		
	90°	45°	22-1/2°	LRN=0°	LRN=10°	DOWN BEND	UP BEND	DOWN BEND	UP BEND	DOWN BEND	UP BEND	
4	26	11	5	69	18	72	26	30	11	14	5	72
6	36	15	7	99	47	102	36	42	15	20	7	102
8	47	19	9	130	78	133	47	55	19	26	9	133
10	56	23	11	157	103	159	56	66	23	32	11	159
12	65	27	13	185	131	187	65	77	27	37	13	187
14	74	31	15	211	156	214	74	89	31	42	15	214
16	82	34	16	238	183	241	82	100	34	48	16	241
18	90	37	18	263	207	266	90	110	38	53	18	268
20	98	41	20	289	233	292	98	121	41	58	20	292
24	113	47	22	337	280	340	113	141	47	68	22	340

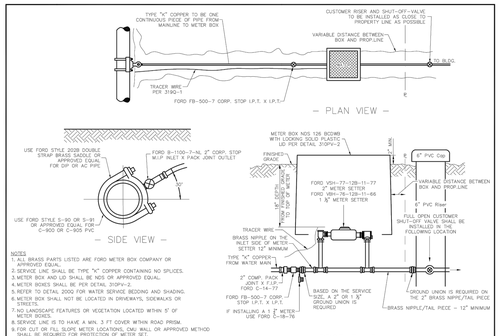
NOTES:
1. ALL JOINTS WITHIN THE SPECIFIED LENGTH LR MUST BE RESTRAINED. ALL LENGTHS ARE GIVEN IN FEET.
2. THE MAXIMUM TEST PRESSURE SHALL NOT EXCEED 200 PSI
3. THE MINIMUM DEPTH OF BURY SHALL BE 4' TO TOP OF PIPE.

QUAD CITY STANDARD DETAIL | JOINT RESTRAINT FOR DUCTILE IRON, POLYETHYLENE WRAPPED DUCTILE IRON & PVC WATER PIPES | REVISED: X/17 | DETAIL No. 303Q-2

NOTES
1. NDS 17" WIDE X 30" LONG METER BOX OR APPROVED EQUAL.
2. NDS 126 BCDWB METER BOX, BOLT DOWN DROP-IN SOLID PLASTIC LID OR APPROVED EQUAL.

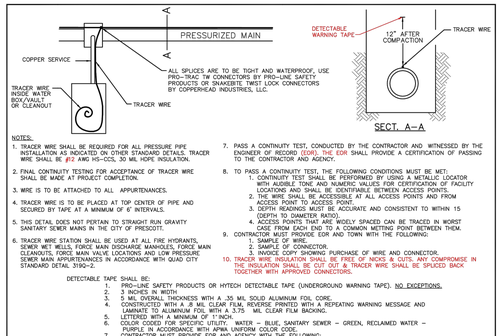


QUAD CITY STANDARD DETAIL | 1½" THROUGH 2" METER BOX APPLICATIONS | REVISED: X/17 | DETAIL No. 310PV-2



NOTES
1. ALL BRASS PARTS LISTED ARE FORD METER BOX COMPANY OR APPROVED EQUAL.
2. SERVICE LINE SHALL BE TYPE "K" COPPER CONTAINING NO SPLICES.
3. METER BOX AND LID SHALL BE NDS OR APPROVED EQUAL.
4. METER BOXES SHALL BE PER DETAIL 310PV-2.
5. REFER TO DETAIL 200Q FOR WATER SERVICE BEDDING AND SHADING.
6. METER BOX SHALL NOT BE LOCATED IN DRIVEWAYS, SIDEWALKS OR STREETS.
7. NO LANDSCAPE FEATURES OR VEGETATION LOCATED WITHIN 5' OF ANY METER BOX.
8. SERVICE LINE IS TO HAVE A MIN. 3 FT. COVER WITHIN ROAD PRISM.
9. FOR CUT OR FILL SLOPE METER LOCATIONS, ONLY MILL OR APPROVED METHOD SHALL BE REQUIRED FOR PROTECTION OF METER SET.
10. ALL 1 ½" AND 2" SERVICES SHALL BE INSTALLED USING 2" SERVICE LINE FROM THE MAINLINE TO THE CORP STOP PRIOR TO THE METER.

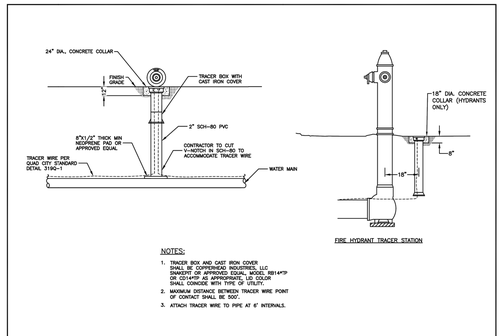
PV STANDARD DETAIL | 1 ½" THROUGH 2" WATER SERVICE CONNECTIONS | TOWN ENGINEER | REVISED: 07/16 | DETAIL No. 310PV-4



NOTES:
1. TRACER WIRE SHALL BE REQUIRED FOR ALL PRESSURE PIPE INSTALLATION AS INDICATED ON OTHER STANDARD DETAILS. TRACER WIRE SHALL BE #12 AWG HS-CCS, 30 MIL HDPE INSULATION.
2. FINAL CONTINUITY TESTING FOR ACCEPTANCE OF TRACER WIRE SHALL BE MADE AT PROJECT COMPLETION.
3. WIRE IS TO BE ATTACHED TO ALL APPURTENANCES.
4. TRACER WIRE IS TO BE PLACED AT TOP CENTER OF PIPE AND SECURED BY TAPE AT A MINIMUM OF 6' INTERVALS.
5. THIS DETAIL DOES NOT PERTAIN TO STRAIGHT RUN GRAVITY SANITARY SEWER MAINS IN THE CITY OF PRESCOTT.
6. TRACER WIRE STATION SHALL BE USED AT ALL FIRE HYDRANTS, SEWER WET WELLS, FORCE MAIN DISCHARGE MANHOLES, FORCE MAIN CLEANOUTS, FORCE MAIN VALVE LOCATIONS AND LOW PRESSURE SEWER MAIN APPURTENANCES IN ACCORDANCE WITH QUAD CITY STANDARD DETAIL 319Q-2.

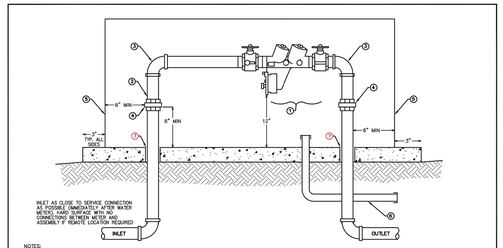
DETECTABLE TAPE SHALL BE:
1. PRO-LINE SAFETY PRODUCTS OR HYTECH DETECTABLE TAPE (UNDERGROUND WARNING TAPE). NO EXCEPTIONS.
2. 3 INCHES IN WIDTH.
3. 5 MIL OVERALL THICKNESS WITH A .35 MIL SOLID ALUMINUM FOIL CORE.
4. CONSTRUCTED WITH A .8 MIL CLEAR FILM, REVERSE PRINTED WITH A REPEATING WARNING MESSAGE AND LAMINATE TO ALUMINUM FOIL WITH A 3.75 MIL CLEAR FILM BACKING.
5. LETTERED WITH A MINIMUM OF 1 INCH.
6. COLOR: PURPLE – RECLAIMED WATER – BLUE – WATER – GREEN, RECLAIMED WATER – PURPLE IN ACCORDANCE WITH APWA UNIFORM COLOR CODE.
7. CONTRACTOR MUST PROVIDE EOR AND AGENCY WITH THE FOLLOWING:
   1. SAMPLE OF TAPE.
   2. INVOICE COPY SHOWING PURCHASE OF WIRE AND CONNECTOR.
8. TO PASS A CONTINUITY TEST, THE FOLLOWING CONDITIONS MUST BE MET:
   1. CONTINUITY TEST SHALL BE PERFORMED BY USING A METALLIC LOCATOR WITH AUDIBLE TONE AND NUMERIC VALUES FOR CERTIFICATION OF FACILITY LOCATIONS TO BE CLEARLY IDENTIFIABLE BETWEEN ACCESS POINTS.
   2. LOCATOR SHALL BE ACCESSIBLE AT ALL ACCESS POINTS AND FROM ACCESS POINT TO ACCESS POINT.
   3. DEPTH READINGS MUST BE ACCURATE AND CONSISTENT TO WITHIN 15 (DEPTH TO DIAMETER RATIO).
   4. ACCESS POINTS THAT ARE WIDELY SPACED CAN BE TRACED IN WORST CASE FROM EACH END TO A COMMON METTING POINT BETWEEN THEM.
9. CONTRACTOR MUST PROVIDE EOR AND TOWN WITH THE FOLLOWING:
   1. SAMPLE OF WIRE.
   2. SAMPLE OF CONNECTOR.
   3. INVOICE COPY SHOWING PURCHASE OF WIRE AND CONNECTOR.
10. TRACER WIRE INSULATION SHALL BE FREE OF NICKS & CUTS. ANY COMPROMISE IN THE INSULATION SHALL BE CUT OUT & TRACER WIRE SHALL BE SPLICED BACK TOGETHER WITH APPROVED CONNECTORS.

QUAD CITY STANDARD DETAIL | TRACER WIRE AND DETECTABLE WARNING TAPE | REVISED: X/17 | DETAIL No. 319Q-1



NOTES:
1. TRACER BOX AND CAST IRON COVER SHALL BE CARSON MANUFACTURING LLC 12X24X12IN OF APPROVED EQUAL, MODEL #2814PTP OR 12X14X9"SP AS APPROPRIATE. LID COLOR SHALL CONFORM WITH TYPE OF UTILITY.
2. MAXIMUM DISTANCE BETWEEN TRACER WIRE POINT OF CONTACT SHALL BE 500'.
3. ATTACH TRACER WIRE TO PIPE AT 6' INTERVALS.

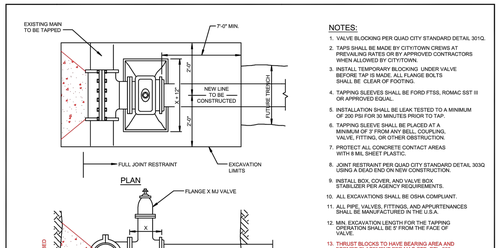
QUAD CITY STANDARD DETAIL | TRACER WIRE STATION | REVISED: 07/16 | DETAIL No. 319Q-2



NOTES
1. ALL PIPE/FITTINGS TO BE TYPE "K" COPPER.
2. BACKFLOW PREVENTION ASSEMBLY MUST BE LEVEL AND INSTALLED A MINIMUM OF 16" FROM ASSEMBLY BODY TO FINAL GRADE.
3. ALL TEST COCKS (4 REQUIRED) SHALL BE FITTED WITH BRASS PLUGS INSTALLED WITH TEFLON TAPE.
4. COMPRESSION TYPE FITTINGS ARE NOT ALLOWED.
5. INSTALL THE BACKFLOW PREVENTION ASSEMBLY IMMEDIATELY DOWNSTREAM OF THE AGENCY WATER METER.
6. CALL FOR UNDERGROUND INSPECTION BEFORE BACKFILLING TRENCH.
7. A COPPER/BRASS UNION MUST BE INSTALLED IN THE MIDDLE OF BOTH RISERS.
8. ASSEMBLY SHALL BE APPROVED BY AGENCY AND USC FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH.

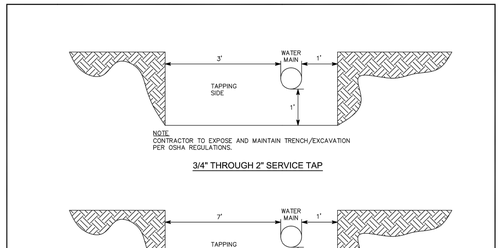
LIST OF MATERIALS:
① REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY, OR DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY AS APPROVED BY THE AGENCY, DOUBLE BALL VALVES INCLUDED.
② PIPE, TYPE "K" HARD COPPER, ¾" THRU 3".
③ 90° ELBOW, COPPER, ¾" THRU 3"
④ PIPE, UNION, BRASS OR COPPER.
⑤ INSTALL 4" CONCRETE PAD, ENCLOSURE, AND HARDWARE. ENCLOSURE SHALL BE AN ASSE 1060 CLASS 1 APPROVED.
⑥ ELECTRICAL CONDUIT FOR HEAT TRACE.
⑦ PVC PIPE SLEEVE 1" LARGER DIAMETER THAN WATER LINE.

QUAD CITY STANDARD DETAIL | BACKFLOW PREVENTION ASSEMBLY INSTALLATION 3" AND UNDER | REVISED: X/17 | DETAIL No. 324Q-1



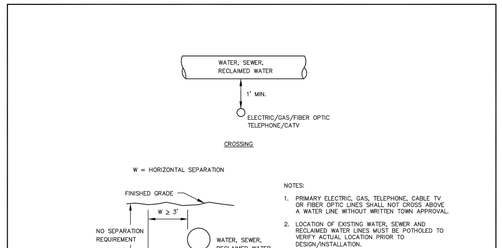
NOTES:
1. VALVE BLOCKING PER QUAD CITY STANDARD DETAIL 301Q.
2. TAPS SHALL BE MADE BY CITY/TOWN CREWS AT PREVAILING RATES OR BY APPROVED CONTRACTORS WHEN ALLOWED BY CITY/TOWN.
3. INSTALL TEMPORARY BLOCKING UNDER VALVE BEFORE TAP IS MADE. FLANGE BOLTS SHALL BE CLEAR OF CONCRETE.
4. TAPPING SLEEVES SHALL BE FORD FTSS, ROMAC SST III OR APPROVED EQUAL.
5. INSTALLATION SHALL BE LEAK TESTED TO A MINIMUM OF 200 PSI FOR 30 MINUTES PRIOR TO TAP.
6. TAPPING SLEEVE SHALL BE PLACED AT A MINIMUM OF 3' FROM ANY BELL, COUPLING, VALVE, FITTING, OR OTHER OBSTRUCTION.
7. PROTECT ALL CONCRETE CONTACT AREAS WITH 8 MIL SHEET PLASTIC.
8. JOINT RESTRAINT PER QUAD CITY STANDARD DETAIL 303Q USING A DEAD END ON NEW CONSTRUCTION.
9. INSTALL BOX, COVER, AND VALVE BOX STABILIZER PER AGENCY REQUIREMENTS.
10. ALL EXCAVATIONS SHALL BE OSHA COMPLIANT.
11. ALL PIPE, VALVES, FITTINGS, AND APPURTENANCES SHALL BE MANUFACTURED IN THE U.S.A.
12. MIN. EXCAVATION LENGTH FOR THE TAPPING SLEEVE SECTION SHALL BE 5' FROM THE FACE OF VALVE.
13. THRUST BLOCKS TO HAVE BEARING AREA AND FORMED PLACEMENT PER MAG STD. DTL. 380.

QUAD CITY STANDARD DETAIL | TAPPING SLEEVES AND VALVES | REVISED: X/17 | DETAIL No. 340Q-1



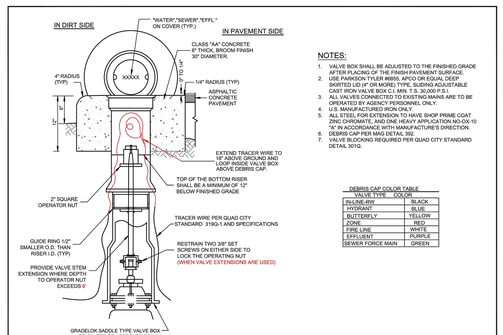
NOTE
ALL TRENCH'S FOR SERVICE TAPS SHALL BE MINIMUM 3' WIDE.

QUAD CITY STANDARD DETAIL | EXPOSING WATER MAIN FOR HOT TAP | REVISED: 07/16 | DETAIL No. 340Q-2



NOTES:
1. PRIMARY ELECTRIC, GAS, TELEPHONE, CABLE TV OR FIBER OPTIC LINES SHALL NOT CROSS ABOVE A WATER LINE WITHOUT WRITTEN TOWN APPROVAL.
2. LOCATION OF EXISTING WATER, SEWER AND RECLAIMED WATER LINES MUST BE POTHOLED TO VERIFY ACTUAL LOCATION PRIOR TO DESIGN/INSTALLATION.

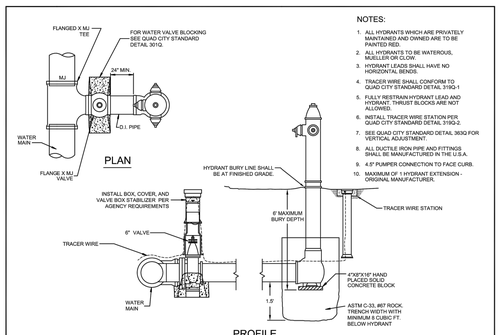
PV STANDARD DETAIL | UTILITY SEPARATION | TOWN ENGINEER | REVISED: 07/16 | DETAIL No. 371PV



NOTES:
1. VALVE BOX SHALL BE ADJUSTED TO THE FINISHED GRADE AFTER PLACING OF THE FINISH PAVEMENT SURFACE.
2. USE PARKSON TYLER #6855, APCO OR EQUAL DEEP SKIRTED LID (4" OR MORE) TYPE, SLIDING ADJUSTABLE CAST IRON VALVE BOX C.I. MIN. T.S. 30,000 P.S.I.
3. VALVE BOX AND LID SHALL BE MARKED AS SHOWN AND ARE TO BE OPERATED BY AGENCY PERSONNEL ONLY.
4. U.S. MANUFACTURED IRON ONLY.
5. ALL STEEL FOR EXTENSION TO HAVE SHOP PRIME COAT ZINC CHROMATE, AND ONE HEAVY APPLICATION NO-OX-10 "A" IN ACCORDANCE WITH MANUFACTURE'S DIRECTION.
6. DEBRIS CAP PER MAG DETAIL 392.
7. VALVE BLOCKING REQUIRED PER QUAD CITY STANDARD DETAIL 301Q.

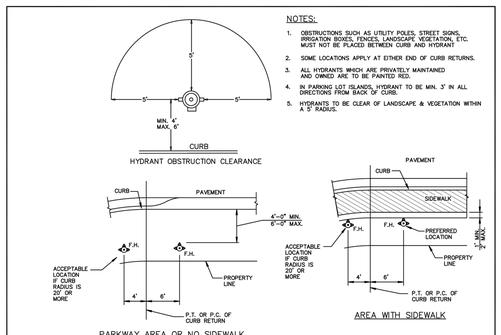
DEBRIS CAP COLOR TABLE
VALVE TYPE | COLOR
IN-LINE/IRR | BLACK
HYDRANT | BLUE
BUTTERFLY | YELLOW
GATE | RED
POTABLE LINE | WHITE
EFFLUENT | PURPLE
SEWER FORCE MAIN | GREEN

QUAD CITY STANDARD DETAIL | VALVE BOX | REVISED: X/17 | DETAIL No. 391Q



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

REVISIONS	BY
2 REVISIONS PER CAFMA ROUND 1 COMMENTS	BH

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Professional Engineer (Civil) — Expires 12/31

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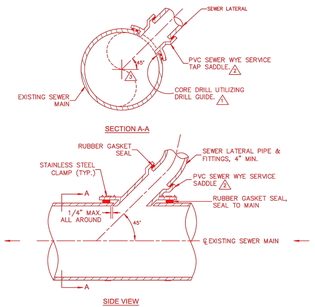
DRAWING: CIVIL IMPROVEMENT PLANS
STANDARD DETAILS

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: BH
CHECKED BY: BH
DATE: July 14, 2020
JOB NO.: 753
SHEET: C3

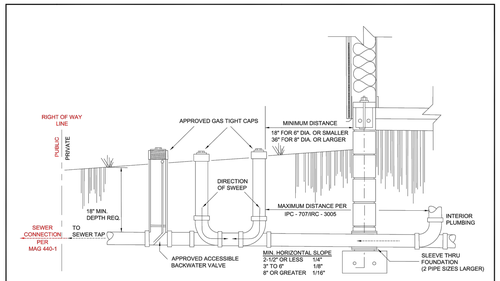
Jul 14, 2020 - 12:02pm FILE: Z:\Projects\2020\20019\DWG\CIVIL PLANS\20019-03-DETAILS.dwg <<C3D_imperial>>



NOTES:

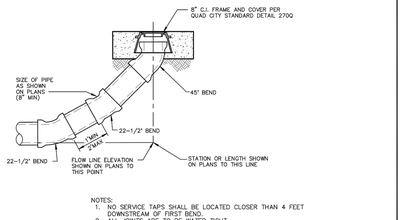
1. EXISTING SEWER MAINS SHALL BE CORE DRILLED UTILIZING A DRILL GUIDE FOR A WYE SADDLE AND A CORE DRILL WITH A LENGTH EXCEEDING THE LATERAL DIAMETER, INSERT-A-DRILL ID175, & EXTRA LONG HOLE SAW OR APPROVED EQUAL. DIAMOND CORE BITS SHALL BE USED ON NON-PVC MAINS.
2. SERVICE TAP SADDLES SHALL BE PVC SEWER WYE SADDLES. A ROMAC STYLE "CB" SEWER SADDLE OR APPROVED EQUAL MAY BE USED ON EXISTING SEWER MAINS ONLY WHEN MAIN IS NOT PVC.
3. SADDLES SHALL BE INSTALLED AT 45 DEGREES TO MAIN AS SHOWN IN SECTION A–A. IN NO CASE SHALL A LATERAL CONNECTING TO THE EXISTING SEWER MAIN BE LOCATED DIRECTLY ON TOP OF THE PIPE, NOR SHALL IT MATCH THE FLOWLINE OF THE PIPE.
4. SERVICE TAP SHOULD BE SPACED AT A MINIMUM OF 3' AWAY FROM EXISTING SEWER TAP.

QUAD CITY STANDARD DETAIL	SANITARY SEWER TAP SADDLE	REVISED: X/17	DETAIL No. 440PV-1



SEWER 2-WAY CLEANOUT & BACKFLOW PREVENTION

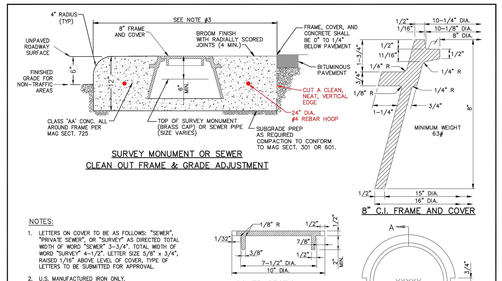
QUAD CITY STANDARD DETAIL	SEWER CLEANOUT - DOUBLE	REVISED: X/17	DETAIL No. 440PV-2



NOTES:

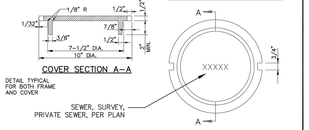
1. NO SERVICE TAPS SHALL BE LOCATED CLOSER THAN 4 FEET DOWNSTREAM OF FIRST BEND.
2. ALL JOINTS ARE TO BE WATER TIGHT.
3. CLEAN OUTS SHALL NOT BE PLACED IN VALLEY GUTTERS, SPANDRELS, CURB & GUTTERS, CATCH BASINS, OR OTHER DRAINAGE STRUCTURES.
4. CLEAN OUTS INSTALLED OFF SITE REQUIRE CARSONITE MARKERS RUNNING PARALLEL TO THE LINE, AS DIRECTED BY AGENCY ENGINEER.
5. BEDDING AND SHADING PER QUAD CITY STANDARD DETAIL 200Q.
6. PLACE CONCRETE AROUND 45° BEND INSIDE FRAME AND COVER.

QUAD CITY STANDARD DETAIL	SEWER MAIN CLEANOUT	REVISED: 07/16	DETAIL No. 441Q



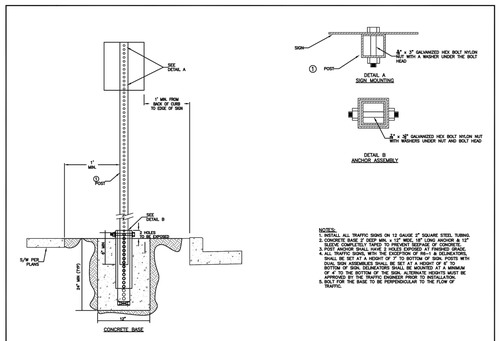
NOTES:

1. LETTERS ON COVER TO BE AS FOLLOWS: "SEWER", "PRIVATE SEWER", OR "SURVEY" AS DIRECTED TOTAL WIDTH OF WORD "SEWER" 3-3/4", TOTAL WIDTH OF WORD "SURVEY" 4-1/2", LETTER SIZE 5/8" x 3/4", RAISED 1/16" ABOVE LEVEL OF COVER, TYPE OF LETTERS TO BE SUBMITTED FOR APPROVAL.
2. U.S. MANUFACTURED IRON ONLY.
3. CONCRETE COLLAR SHALL BE 32" DIAMETER IN VEHICULAR TRAFFIC AREAS INCLUDING ALL EASEMENTS, AND 24" DIAMETER IN NON TRAFFIC AREAS.
4. ON SURVEY MONUMENTS, PLACE SAND UNDER FRAME INSTEAD OF CONCRETE.



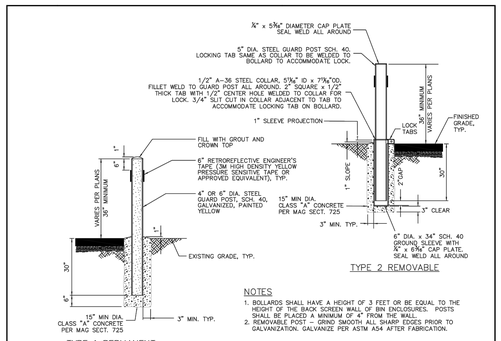
DETAIL TYPICAL FOR BOTH FRAME AND COVER

QUAD CITY STANDARD DETAIL	8" FRAME AND COVER	REVISED: X/17	DETAIL No. 270Q



NOTES:
1. INSTALL ALL TRAFFIC SIGNS ON 12 GAUGE 2" SQUARE STEEL TUBING. SLEEVE COMPLETELY CAPPED TO PREVENT ENTRAP OF CONCRETE.
2. POST ANCHOR SHALL HAVE 2 HOLES EXPOSED AT FINISHED GRADE.
3. ALL SIGNS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGN SHALL BE SET AT A HEIGHT OF 7' TO BOTTOM OF SIGN. POSTS WITH DUAL SIGN ASSEMBLIES SHALL BE SET AT A HEIGHT OF 9' TO BOTTOM OF THE SIGN. WHERE SIGNS ARE MOUNTED AT A HEIGHT OF 9' TO THE BOTTOM OF THE SIGN, ALTERNATE HEIGHTS MUST BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO INSTALLATION.
4. SIGNS SHALL FACE THE SIDE TO BE PERPENDICULAR TO THE FLOW OF TRAFFIC.

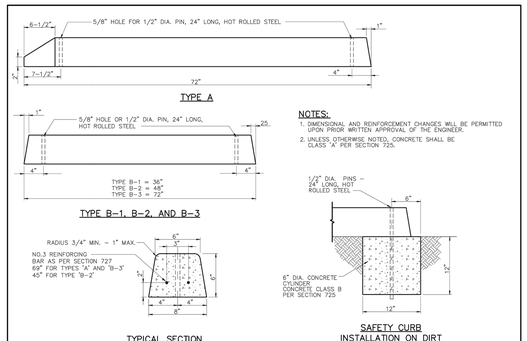
QUAD CITY STANDARD DETAIL	SIGN POST INSTALLATION	REVISED: 07/16	DETAIL No. 131Q



NOTES

1. BOLLARDS SHALL HAVE A HEIGHT OF 3 FEET OR BE EQUAL TO THE HEIGHT OF THE BACK SCREEN WALL OF BIN ENCLOSURES. POSTS SHALL BE PLACED A MINIMUM OF 4' FROM THE WALL.
2. REMOVABLE POST – GRIND SMOOTH ALL SHARP EDGES PRIOR TO GALVANIZATION. GALVANIZE PER ASTM A54 AFTER FABRICATION.

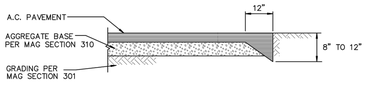
QUAD CITY STANDARD DETAIL	BOLLARD	REVISED: 07/16	DETAIL No. 140Q



NOTES:

1. DIMENSIONAL AND REINFORCEMENT CHANGES WILL BE PERMITTED UPON PRIOR WRITTEN APPROVAL OF THE ENGINEER.
2. UNLESS OTHERWISE NOTED, CONCRETE SHALL BE CLASS "A" PER SECTION 725.

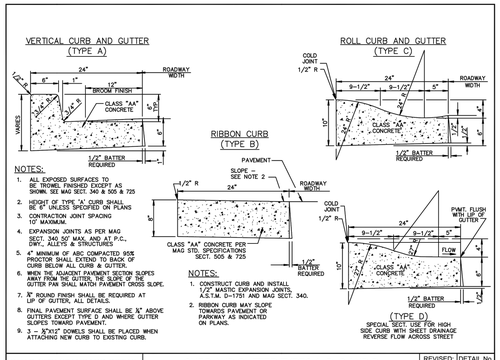
DETAIL NO. 150	MARICOPA ASSOCIATION OF GOVERNMENTS	STANDARD DETAIL ENGLISH	PRECAST SAFETY CURB	REVISED 01-01-1998	DETAIL NO. 150



NOTES:

1. THICKENED EDGE REQUIRED AT ALL TRANSVERSE TERMINATIONS OF PAVING AND AT LONGITUDINAL EDGES FOR ASPHALT PAVEMENTS UNCONFINED BY CURB & GUTTER.
2. MATCHLINE TO EXISTING PAVEMENTS SHALL BE SKEWED OR OFFSET FOR SMOOTHER TRANSITION. LOCATION OF SAWCUT SHALL BE AS DIRECTED BY THE AGENCY ENGINEER OR HIS DESIGNEE.
3. EXISTING EDGES SHALL BE UNDISTURBED NATIVE, FIRM, & UNYIELDING SOIL OR FORMED TO PROVIDE FULLY COMPACTED STRAIGHT EDGES.

QUAD CITY STANDARD DETAIL	THICKENED EDGE PAVEMENT SECTION	REVISED: 07/16	DETAIL No. 201Q



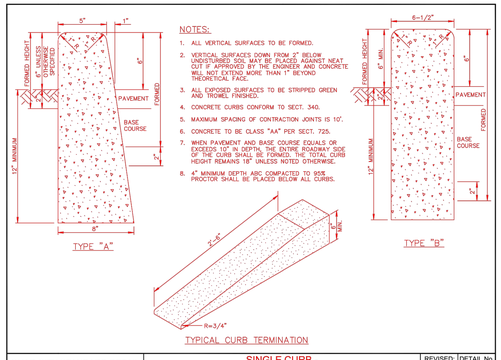
NOTES:

1. ALL EXPOSED SURFACES TO BE TROWEL FINISHED EXCEPT AS SHOWN. SEE MAG SECT. 340 & 505 & 725
2. HEIGHT OF TYPE 'A' CURB SHALL BE 6" UNLESS SPECIFIED ON PLANS
3. CONTRACTION JOINT SPACING 10' MAXIMUM
4. EXPANSION JOINTS AS PER MAG SECT. 340, 50' MAX. AND AT P.C., DWY., ALLEYS & STRUCTURES
5. 4" MINIMUM OF ABC COMPACTED 95% PROCTOR SHALL EXTEND TO BACK OF CURB BELOW ALL CURB & GUTTER.
6. WHEN THE ROADWAY PAVEMENT SECTION SLOPES AWAY FROM THE GUTTER, THE SLOPE OF THE GUTTER PAN SHALL MATCH PAVEMENT CROSS SLOPE.
7. ¾" ROUND FINISH SHALL BE REQUIRED AT LIP OF GUTTER, ALL DETAILS.
8. FINAL PAVEMENT SURFACE SHALL BE ¾" ABOVE GUTTERS EXCEPT TYPE D AND WHERE GUTTER SLOPES TOWARD PAVEMENT.
9. 3 – ¾"x12" DOWELS SHALL BE PLACED WHEN ATTACHING NEW CURB TO EXISTING CURB.

NOTES:

1. CONSTRUCT CURB AND INSTALL 1/2" MASTIC EXPANSION JOINTS; A.S.T.M. D-1751 AND MAG SECT. 340.
2. RIBBON CURB MAY SLOPE TOWARDS PAVEMENT OR PARKWAY AS INDICATED ON PLANS.

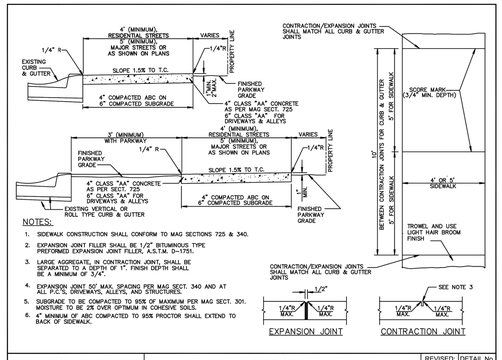
QUAD CITY STANDARD DETAIL	CURB AND GUTTER TYPES A, B, C AND D	REVISED: 07/16	DETAIL No. 220Q-1



NOTES:

1. ALL VERTICAL SURFACES TO BE FORMED.
2. VERTICAL SURFACES DOWN FROM 3" BELOW FINISHED GRADE MAY BE FORMED OR CUT 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 "AA" PER SECT. 725.
7. WHEN PAVEMENT AND BASE COURSE EQUALS OR EXCEEDS 12" IN DEPTH, THE ENTIRE ROADWAY SIDE OF THE CURB SHALL BE FORMED. THE TOTAL CURB HEIGHT REMAINS 18" UNLESS NOTED OTHERWISE.
8. 4" MINIMUM DEPTH ABC COMPACTED TO 95% PROCTOR SHALL BE PLACED BELOW ALL CURBS.

QUAD CITY STANDARD DETAIL	SINGLE CURB - TYPES A, B, AND TERMINATION	REVISED: X/17	DETAIL No. 222Q



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.

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

REVISIONS	BY

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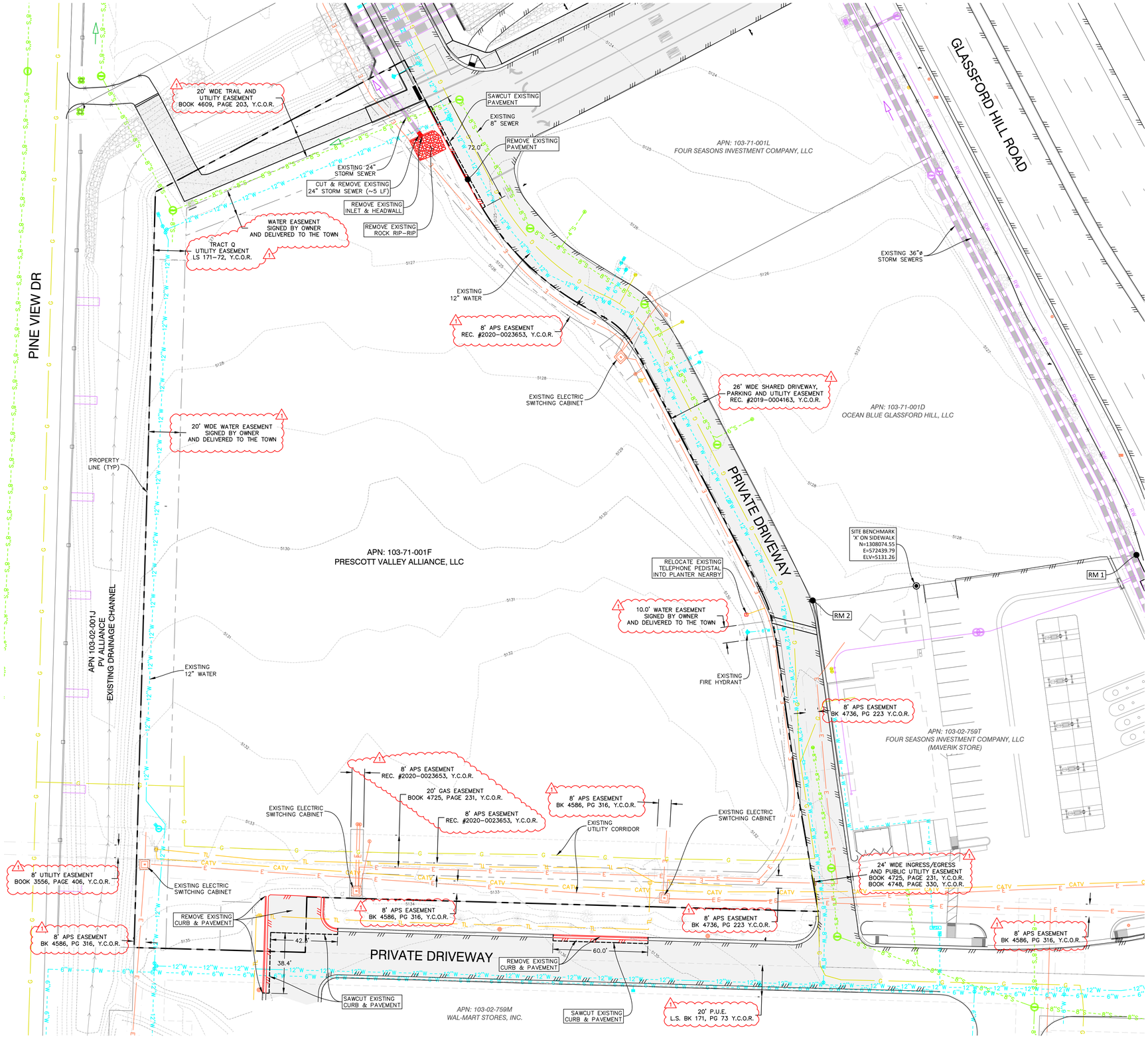
DRAWING: CIVIL IMPROVEMENT PLANS
STANDARD DETAILS

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY	BH
CHECKED BY	BH
DATE	July 14, 2020
JOB NO.	753
SHEET	C4

Jul 14, 2020 - 12:02pm FILE: Z:\Projects\2020\20019\DWG\CIVIL PLANS\20019-04-DETAILS.dwg <<C3D_Imperial>>



N

0 15' 30' 60'

SCALE: 1" = 30'

LEGEND

- SUBJECT PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT
- RIGHT-OF-WAY
- 5100 EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING BUILDING
- EXISTING DRAINAGE FLOWLINE
- EXISTING BLOCK WALL
- EXISTING EDGE OF DIRT/GRAVEL ROAD
- EXISTING EDGE OF PAVEMENT
- EXISTING DRAINAGE PIPE
- CATV EXISTING CABLE TV LINE
- EXISTING CABLE TV RISER
- E EXISTING UNDERGROUND ELECTRIC LINE
- OHE EXISTING OVERHEAD ELECTRIC LINE
- EXISTING ELECTRIC TRANSFORMER
- TL EXISTING TELEPHONE/FIBER LINE
- EXISTING TELEPHONE RISER
- G EXISTING NATURAL GAS MAIN
- EXISTING GAS METER
- S EXISTING SEWER MAIN
- EXISTING SEWER MANHOLE
- W EXISTING WATER MAIN
- EXISTING WATER METER BOX
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE
- EXISTING CONCRETE
- EXISTING ROCK RIP-RAP
- EXISTING ASPHALT PAVEMENT

PROJECT BASIS OF BEARING			
THE BASIS OF BEARING FOR THIS PROJECT IS S81°59'01"W A DISTANCE OF 206.55 FEET ALONG THE SOUTH LINE OF APN: 103-71-001D BETWEEN TWO 1/2" REBARS WITH CAP RLS 33861			
REFERENCE MARK	NORTHING	EASTING	ELEVATION (88)
RM 1	1308094.14	572578.85	N/A
RM 2	1308065.34	572374.32	N/A
TOWN OF PRESCOTT VALLEY BENCHMARKS			
THE PROJECT COORDINATE SYSTEM IS CONSISTENT WITH THE PUBLISHED TOWN OF PRESCOTT VALLEY COORDINATE SYSTEM AND THE TOWN REFERENCE POINTS USED FOR THIS SURVEY ARE AS FOLLOWS			
REFERENCE POINT	NORTHING	EASTING	ELEVATION (88)
RP 3	1315327.04	572000.70	5033.64
RP 16	1304721.51	576809.27	5108.01

GENERAL NOTES:

1. THIS MAP DOES NOT REPRESENT THE RESULTS OF A BOUNDARY SURVEY. NO BOUNDARY SURVEY WAS PERFORMED OR IS IMPLIED BY THIS MAP.
2. ALL EASEMENTS OF RECORD MAY NOT BE PLOTTED HEREON.
3. TOPOGRAPHIC SURVEY PROVIDED BY GRANITE BASIN ENGINEERING, INC. (GBE) IN DECEMBER OF 2019.
4. SITE AND BUILDING PLAN DEVELOPED BY W. ALAN KENSON & ASSOCIATES, P.C. (WAKA).
5. COOPERATION WITH UTILITIES SHALL BE DONE IN ACCORDANCE WITH SECTION 105.6 OF MAG SPECIFICATIONS.
6. DRY UTILITY PROVIDERS MUST BE CONSULTED WITH FOR RELOCATION OF EXISTING UTILITIES IN CONFLICT WITH PROPOSED IMPROVEMENTS.
7. EXISTING UTILITY INFORMATION IS APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. HORIZONTAL LOCATIONS ARE BASED ON FIELD SURVEY & AS-BUILT DATA. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
8. REMOVALS SHALL BE DONE IN ACCORDANCE WITH MAG SPECIFICATIONS SECTION 350.

REVISIONS	BY
1 REVISIONS PER TOPV ROUND 1 COMMENTS	BH

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Registered Professional Engineer (Civil) BRENT B. HULL 45636 Expires 6/30/21 STATE OF ARIZONA

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ARCHITECTURE & PLANNING

DRAWING: CIVIL IMPROVEMENT PLANS
EXISTING SITE SURVEY MAP

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY	BH
CHECKED BY	BH
DATE	July 14, 2020
JOB NO.	753
SHEET	C5

FILE: Z:\Projects\2020\20019\DWG\CIVIL PLANS\20019-05-EXISTING SITE SURVEY.dwg <<C3D_Imperial>>
Jul 14, 2020 - 12:07pm



N

0 15' 30' 60'

SCALE: 1" = 30'

PROJECT QUANTITIES

SEWER QUANTITIES

KEY	DESCRIPTION	QTY	UNIT
S5	CONNECT SEWER LATERAL TO EXISTING 8" SEWER MAIN WITH TAP SADDLE PER QCSD 440PV-1	1	EA
S10	INSTALL 4" Ø SDR 35 PVC SEWER LATERAL WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1	190	LF
S15	INSTALL 4" Ø DOUBLE CLEANOUT & BACKWATER VALVE PER QCSD 440PV-2	2	EA
S20	GROUT EXISTING 8" Ø SEWER STUB AND ABANDON PER TOPV REQUIREMENTS	1	EA
S25	INSTALL 4" Ø SEWER CLEANOUT PER QCSD 441Q (MODIFIED FOR 4" Ø PIPE)	1	EA

WATER QUANTITIES

KEY	DESCRIPTION	QTY	UNIT
W5	CONNECT TO EXISTING 12" Ø PVC WATER MAIN WITH 12"x6" TAPPING SLEEVE & VALVE PER QCSD 340Q-1 & 2 AND VALVE BOX PER QCSD 391Q	1	EA
W10	INSTALL 6" Ø C-600/CL350 DIP FIRE LINE TO FIRE RISER WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1	54	LF
W15	INSTALL 4" Ø C-600/CL350 DIP FIRE LINE TO REMOTE FDC WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1	160	LF
W20	INSTALL 2" Ø SCH-40 PVC DOMESTIC YARD LINE TO BUILDING WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1	56	LF
W25	INSTALL JOINT RESTRAINT PER QCSDS 303Q-1 & 2	72	LF
W30	INSTALL 1-1/2" DOMESTIC WATER METER AND SERVICE LINE PER QCSD 310PV-2&4 WITH LEAD FREE 1-1/2" WILKINS 375XL (HORIZ. ORIENTATION) BACKFLOW DEVICE PER QCSD 324Q-1 IN AN ELECTRONICALLY HEATED ASSE 1060 CLASS 1 HOTBOX	1	EA
W35	INSTALL 1" IRRIGATION LEAD FREE WILKINS 375XL (HORIZ. ORIENTATION) BACKFLOW DEVICE PER QCSD 324Q-1 IN AN ELECTRONICALLY HEATED ASSE 1060 CLASS 1 HOTBOX	1	EA
W40	INSTALL REMOTE FIRE DEPARTMENT CONNECTION WITH LOCKING CAPS PER CAFMA REQUIREMENTS	1	EA
W45	INSTALL FIRE HYDRANT ASSEMBLY PER QCSD 360Q & 362Q	1	EA

DRAINAGE QUANTITIES

KEY	DESCRIPTION	QTY	UNIT
D5	INSTALL 15" Ø SMOOTH BORE HDPE WATER-TIGHT PIPE WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1	43	LF
D10	INSTALL 18" Ø SMOOTH BORE HDPE WATER-TIGHT PIPE WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1	88	LF
D15	INSTALL 24" Ø SMOOTH BORE HDPE WATER-TIGHT PIPE WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1	184	LF
D20	INSTALL 30" Ø NYLOPLAST DRAIN BASIN WITH SOLID COVER PER MANUFACTURER'S RECOMMENDATIONS & DETAILS	2	EA
D25	INSTALL 24" Ø NYLOPLAST DRAIN BASIN WITH 2'X3' STEEL BAR/MAG GRATE PER MANUFACTURER'S RECOMMENDATIONS & DETAILS	4	EA
D30	INSTALL 30" Ø NYLOPLAST DOUBLE 2'X3' CURB INLET STRUCTURE USING 36"X60" DIP BASE PLATE WITH HIGH FLOW GRATES PER MANUFACTURER'S RECOMMENDATIONS & DETAILS	1	EA
D35	INSTALL RIPRAP (D50=6") PLACE 12" THICK OVER HEAVY DUTY FILTER FABRIC	160	CY
D40	INSTALL CONCRETE 'U' TYPE HEADWALL WITH 45° WINGS PER MAG SD 501-1 & 2	2	EA

PAVING QUANTITIES

KEY	DESCRIPTION	QTY	UNIT
P5	SAWCUT, REMOVE & REPLACE EXISTING PAVEMENT PER QCSD 200Q-1	1,200	SF
P10	INSTALL 3" OF AC OVER 9" OF ABC OVER 8" OF PREPARED SUBGRADE FOR AUTOMOBILE ACCESS PER GEOTECHNICAL REPORT	3,451	SY
P15	INSTALL 4" OF AC OVER 9" OF ABC OVER 8" OF PREPARED SUBGRADE FOR HEAVY TRUCK ACCESS PER GEOTECHNICAL REPORT	8,443	SY
P20	INSTALL BOLLARD - TYPE 1 PERMANENT PER QCSD 140Q	9	EA
P25	INSTALL PRECAST SAFETY CURB PER MAG SD 150	24	EA
P30	INSTALL THICKENED EDGE PAVEMENT SECTION PER QCSD 201Q	55	LF
P35	INSTALL VERTICAL CURB & GUTTER - TYPE 'A' PER QCSD 220Q-1	945	LF
P40	INSTALL SINGLE CURB - TYPE 'A' PER QCSD 222Q	1,910	LF
P45	INSTALL CURB TERMINATION PER QCSD 222Q	2	EA
P50	INSTALL SIDEWALK (WIDTHS PER PLAN) PER QCSD 230Q	3,337	SF
P51	INSTALL SIDEWALK (WIDTHS PER PLAN) PER QCSD 230Q MODIFIED - 6" THICK CONCRETE WITH #4 REBAR @ 24" O.C. BOTH WAYS	3,508	SF
P55	INSTALL PARKING LOT (SINGLE & GORE) STRIPING PER PLAN & TOPV SPECIFICATIONS	1	LS
P60	INSTALL ADA COMPLIANT HANDICAP STRIPING & SIGNAGE WITH SIGN POST PER QCSD 131Q	6	EA
P65	R1-1 ("STOP") SIGN PER MUTCD REQUIREMENTS WITH TRAFFIC SIGN POST PER QCSD 131Q	3	EA
P70	R7-1 ("NO PARKING") SIGN PER MUTCD REQUIREMENTS WITH TRAFFIC SIGN POST PER QCSD 131Q	2	EA
P75	INSTALL CUSTOM SIDEWALK RAMP PER PLAN WITH DETECTABLE WARNING (TRUNCATED DOMES)	1	EA
P80	INSTALL DETECTABLE WARNING (TRUNCATED DOMES) PER QCSD 233Q-1	3	EA

GENERAL NOTES:

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8. REMOVALS SHALL BE DONE IN ACCORDANCE WITH MAG SPECIFICATIONS SECTION 350.

REVISIONS	BY
1 REVISIONS PER TOPV ROUND 1 COMMENTS	BH
2 REVISIONS PER CAFMA ROUND 1 COMMENTS	BH

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Registered Professional Engineer (Civil) BENJAMIN E. HUNT 45636 Expires 6/30/21

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ARCHITECTURE & PLANNING

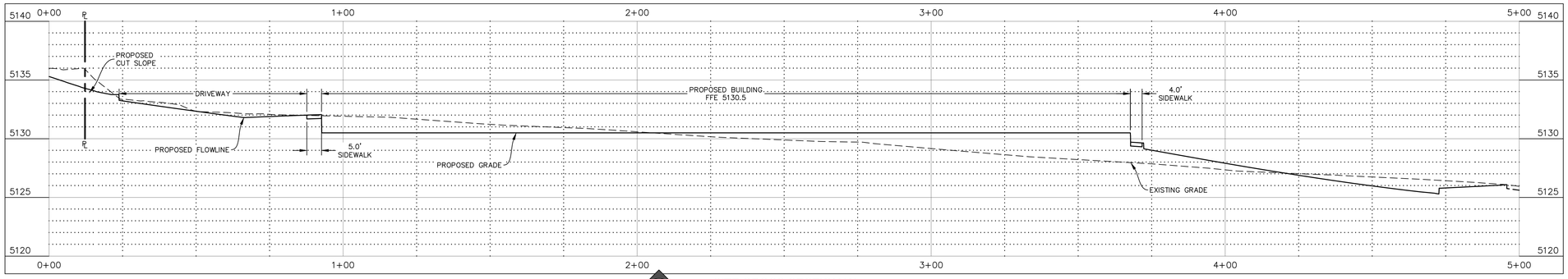
DRAWING: CIVIL IMPROVEMENT PLANS
PROJECT SUMMARY MAP

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

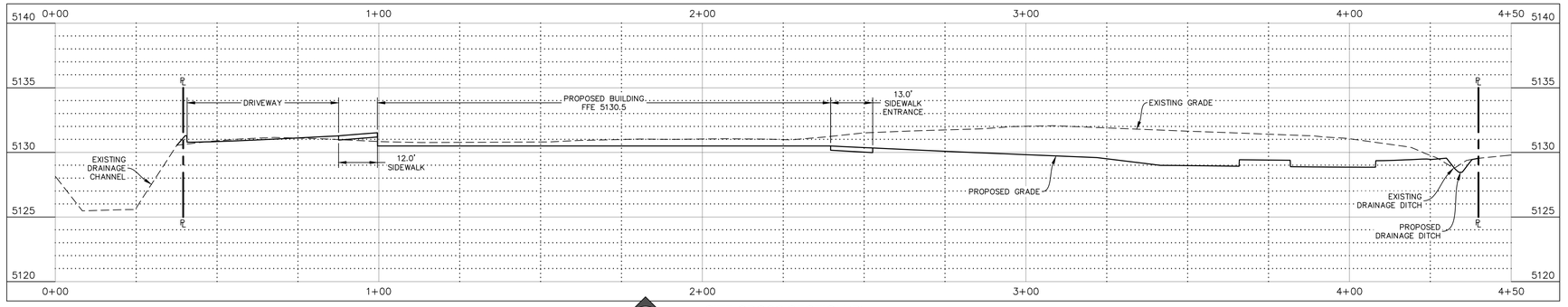
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CHECKED BY	BH
DATE	July 14, 2020
JOB NO.	753
SHEET	C6

FILE: Z:\Projects\2020\20019\DWG\CIVIL PLANS\20019-06-PROJECT SUMMARY.dwg <<C3D_Imperial>>
Jul 14, 2020 - 12:08pm



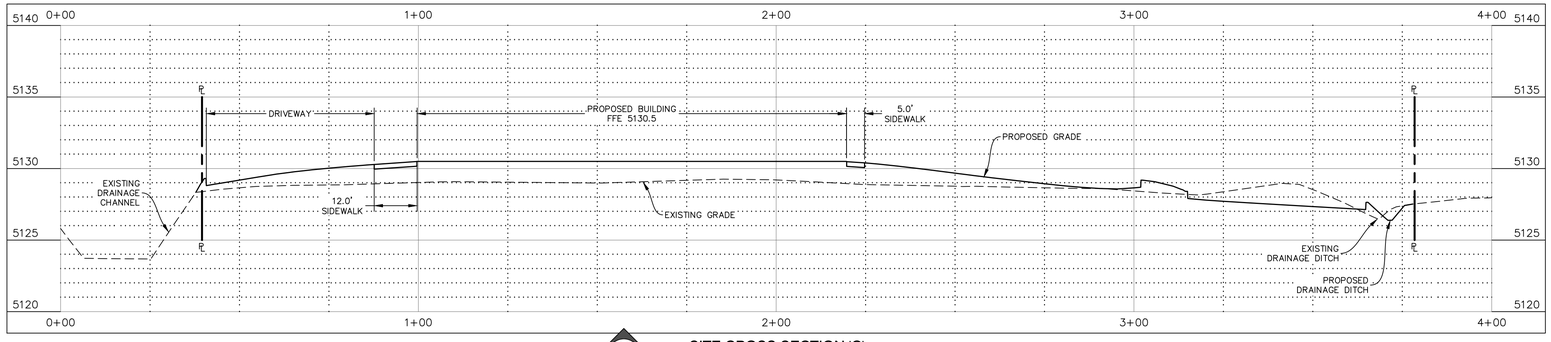
A C6 **SITE CROSS SECTION 'A'**

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



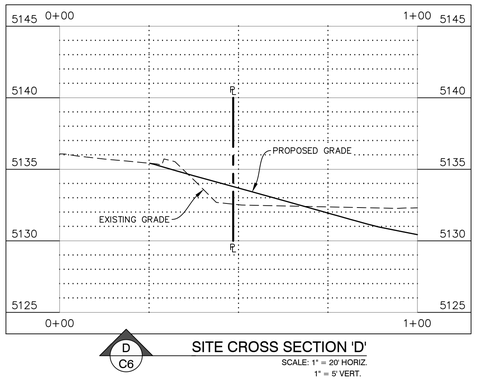
B C6 **SITE CROSS SECTION 'B'**

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



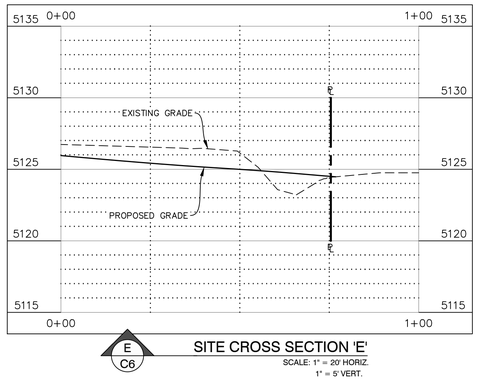
C C6 **SITE CROSS SECTION 'C'**

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



D C6 **SITE CROSS SECTION 'D'**

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



E C6 **SITE CROSS SECTION 'E'**

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

REVISIONS	BY

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Registered Professional Engineer (Civil)
BEN B. HUNT
45636
Certificate No.
State of ARIZONA U.S.A.
Expires 6/30/21

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ARCHITECTURE & PLANNING

DRAWING: CIVIL IMPROVEMENT PLANS
SITE CROSS SECTIONS

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY	BH
CHECKED BY	BH
DATE	July 14, 2020
JOB NO.	753
SHEET	C7

Jul 14, 2020 - 12:09pm FILE: Z:\Projects\2020\20019\DWG\CIVIL PLANS\20019-07-SITE CROSS SECTIONS.dwg <<C3D_Imperial>>

PAVING KEYNOTES

KEY	DESCRIPTION
P5	SAWCUT, REMOVE & REPLACE EXISTING PAVEMENT PER QCSD 200Q-1
P10	INSTALL 3" OF AC OVER 9" OF ABC OVER 8" OF PREPARED SUBGRADE FOR AUTOMOBILE ACCESS PER GEOTECHNICAL REPORT
P15	INSTALL 4" OF AC OVER 9" OF ABC OVER 8" OF PREPARED SUBGRADE FOR HEAVY TRUCK ACCESS PER GEOTECHNICAL REPORT
P20	INSTALL BOLLARD - TYPE 1 PERMANENT PER QCSD 140Q
P25	INSTALL PRECAST SAFETY CURB PER MAG SD 150
P30	INSTALL THICKENED EDGE PAVEMENT SECTION PER QCSD 201Q
P35	INSTALL VERTICAL CURB & GUTTER - TYPE 'A' PER QCSD 220Q-1
P40	INSTALL SINGLE CURB - TYPE 'A' PER QCSD 222Q
P45	INSTALL CURB TERMINATION PER QCSD 222Q
P50	INSTALL SIDEWALK (WIDTHS PER PLAN) PER QCSD 230Q
P51	INSTALL SIDEWALK (WIDTHS PER PLAN) PER QCSD 230Q MODIFIED - 6" THICK CONCRETE WITH #4 REBAR @ 24" O.C. BOTH WAYS
P55	INSTALL PARKING LOT (SINGLE & GORE) STRIPING PER PLAN & TOPV SPECIFICATIONS
P60	INSTALL ADA COMPLIANT HANDICAP STRIPING & SIGNAGE WITH SIGN POST PER QCSD 131Q
P65	R1-1 ("STOP") SIGN PER MUTCD REQUIREMENTS WITH TRAFFIC SIGN POST PER QCSD 131Q
P70	R7-1 ("NO PARKING") SIGN PER MUTCD REQUIREMENTS WITH TRAFFIC SIGN POST PER QCSD 131Q
P75	INSTALL CUSTOM SIDEWALK RAMP PER PLAN WITH DETECTABLE WARNING (TRUNCATED DOMES)
P80	INSTALL DETECTABLE WARNING (TRUNCATED DOMES) PER QCSD 233Q-1

ESTIMATED FINISHED GRADE EARTHWORK QTYS
RAW CUT =4,370 CY
RAW FILL = 2,240 CY
NET = 2,130 CY (EXPORT)

N

0 10' 20' 40'
SCALE: 1" = 20'

PRIVATE DRIVEWAY

PROPOSED BUILDING 38,098 SF FF=5130.50

SEE SHEET C9 FOR SD P&P

EXISTING (4) 66"ø STORM SEWERS

EXISTING DRAINAGE CHANNEL

PROPERTY LINE (TYP)

DUMPSTER ENCLOSURE PER ARCH. PLANS

WATER VALVE ADJUSTMENT PER 391Q

5.0' CURB OPENING

RIPRAP PER KEYNOTE D35 EXTEND TO BTM. OF SLOPE

4"ø FOUNDATION DRAIN (106 LF) PER ARCH. PLANS

4"ø FOUNDATION DRAIN (123 LF) PER ARCH. PLANS

4"ø FOUNDATION DRAIN (72 LF)

4"ø FND. DRAIN DAYLIGHT @ 5128.0'

EXISTING ELECTRIC SWITCHING CABINET

LANDSCAPE

APN: 103-02-759M
WAL-MART STORES, INC.

Jul 14, 2020 - 12:15pm

FILE: Z:\Projects\2020\20019\DWG\CIVIL PLANS\20019-08-GRADING & DRAINAGE.dwg <<C-3D_Imperial>>

REVISIONS	BY
1 REVISIONS PER TOPV ROUND 1 COMMENTS	BH

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Registered Professional Engineer (Civil) Certificate No. 45636 Brent B. Hulk State of Arizona U.S.A. Expires 3/31/21

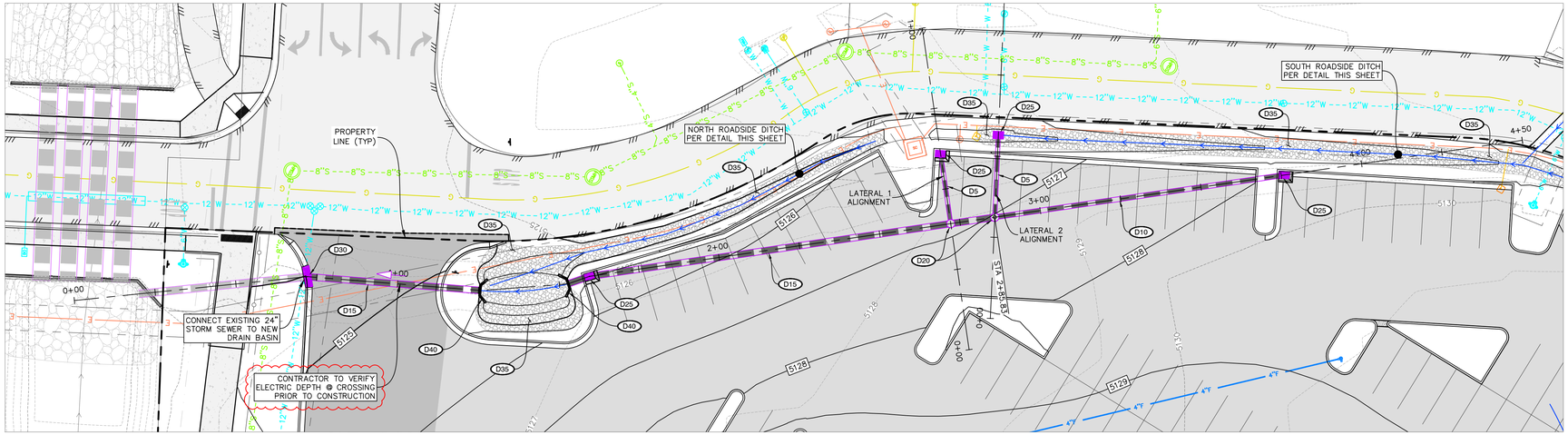
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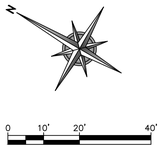
DRAWING: CIVIL IMPROVEMENT PLANS
GRADING & DRAINAGE PLAN

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

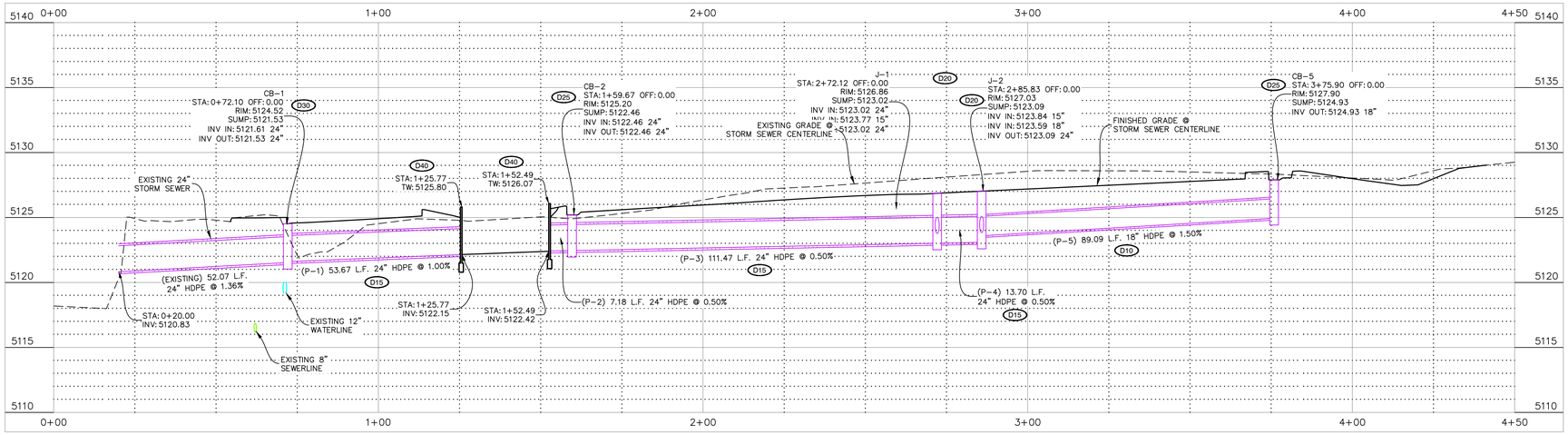
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DATE	July 14, 2020
JOB NO.	753
SHEET	C8

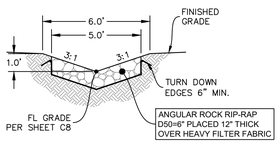




DRAINAGE KEYNOTES

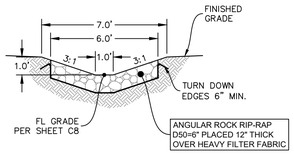
KEY	DESCRIPTION
D5	INSTALL 15" Ø SMOOTH BORE HDPE WATER-TIGHT PIPE WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1
D10	INSTALL 18" Ø SMOOTH BORE HDPE WATER-TIGHT PIPE WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1
D15	INSTALL 24" Ø SMOOTH BORE HDPE WATER-TIGHT PIPE WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1
D20	INSTALL 30" Ø NYLOPLAST DRAIN BASIN WITH SOLID COVER PER MANUFACTURER'S RECOMMENDATIONS & DETAILS
D25	INSTALL 24" Ø NYLOPLAST DRAIN BASIN WITH 2'X3' STEEL BAR/MAG GRATE PER MANUFACTURER'S RECOMMENDATIONS & DETAILS
D30	INSTALL 30" Ø NYLOPLAST DOUBLE 2'X3' CURB INLET STRUCTURE USING 36"X80" DIP BASE PLATE WITH HIGH FLOW GRATES PER MANUFACTURER'S RECOMMENDATIONS & DETAILS
D35	INSTALL RIPRAP (D50=6") PLACE 12" THICK OVER HEAVY DUTY FILTER FABRIC
D40	INSTALL CONCRETE 'U' TYPE HEADWALL WITH 45° WINGS PER MAG SD 501-1 & 2





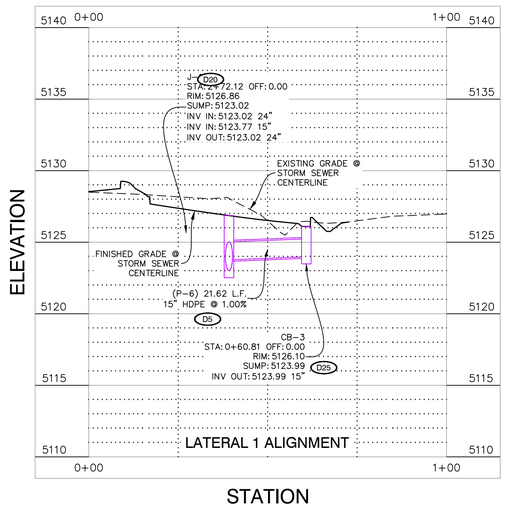
NORTH ROADSIDE DITCH DETAIL

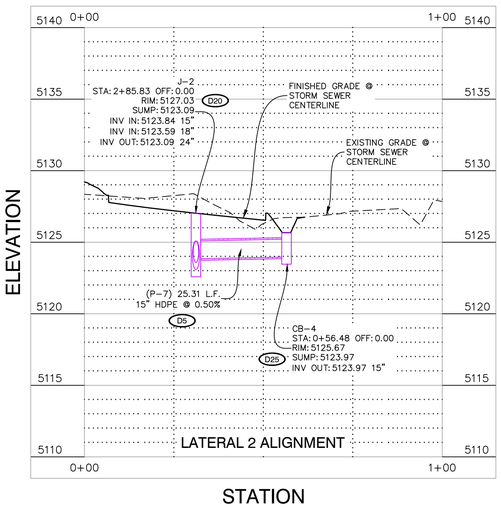
NOT TO SCALE



SOUTH ROADSIDE DITCH DETAIL

NOT TO SCALE





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REVISIONS	BY

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ARCHITECTURE & PLANNING

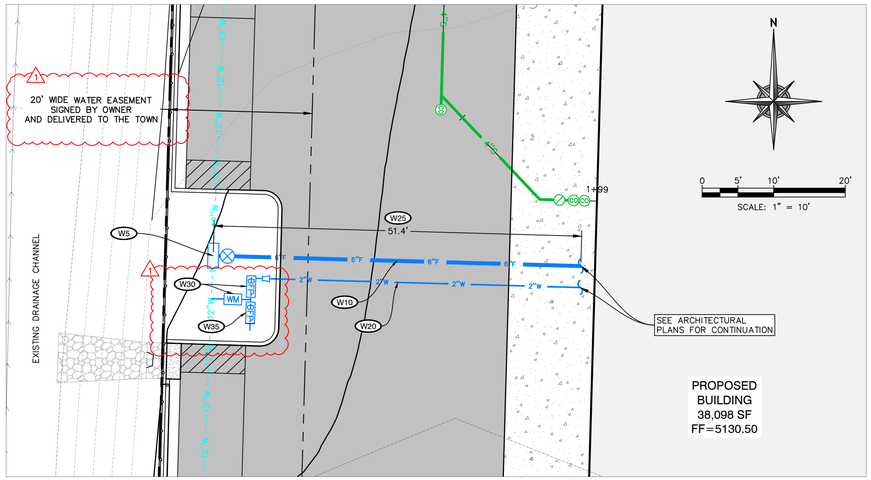
DRAWING: CIVIL IMPROVEMENT PLANS
STORM SEWER PLAN & PROFILE

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

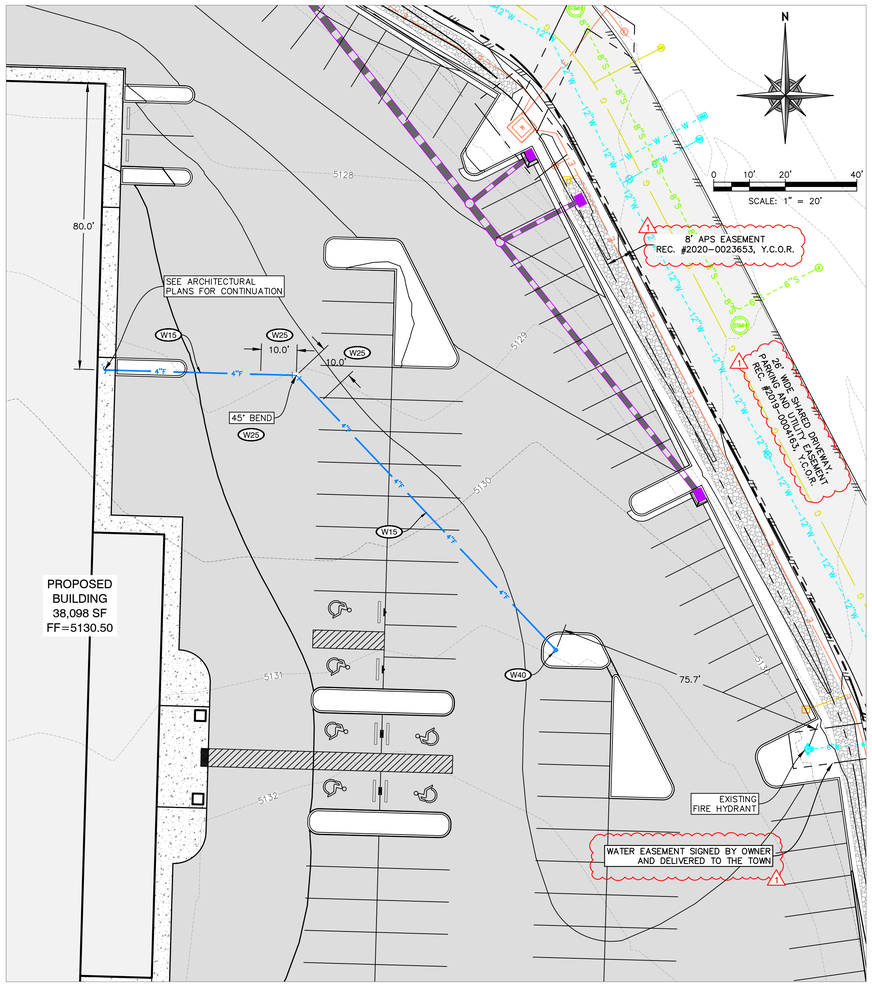
APN: 103-71-001F

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DATE	July 14, 2020
JOB NO.	753
SHEET	C9

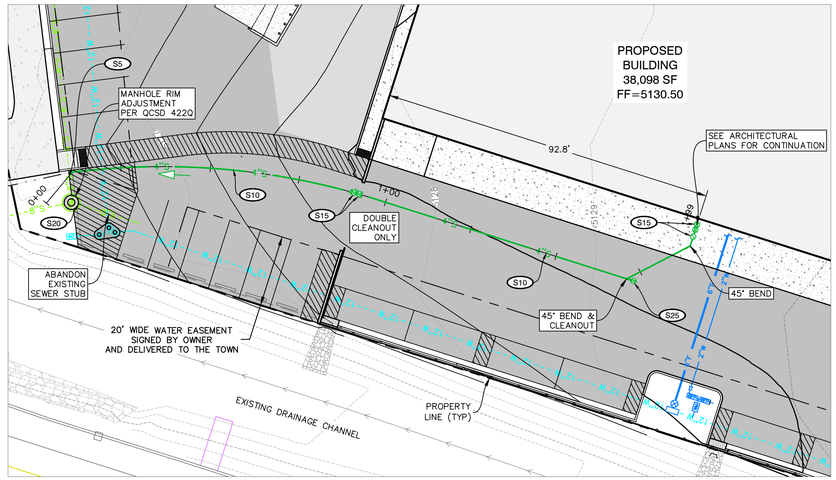
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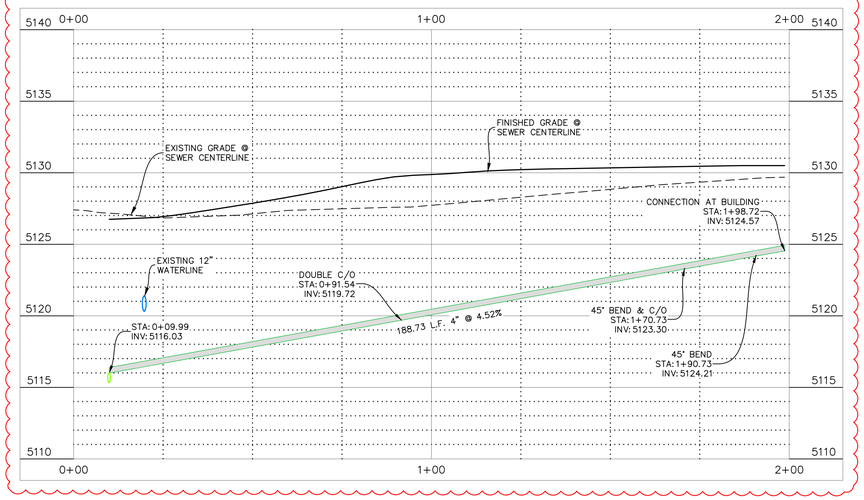
WATER SERVICE & FIRELINE PLAN
SCALE: 1" = 10'



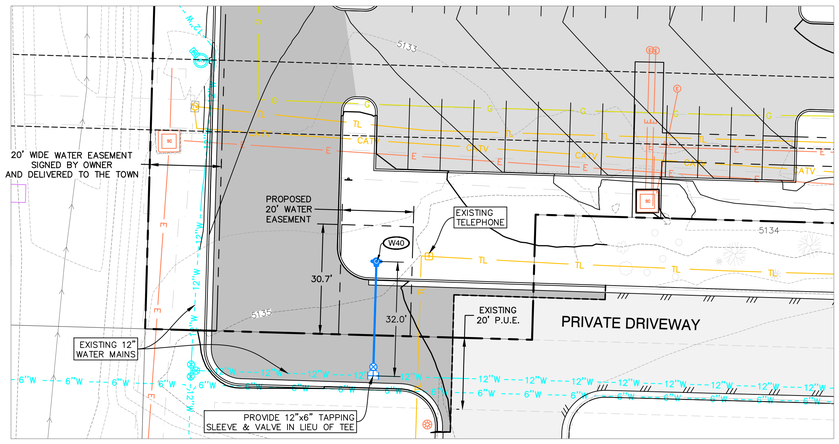
REMOTE FIRE DEPT. CONNECTION (FDC) PLAN
SCALE: 1" = 20'



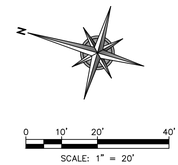
SEWER SERVICE PLAN
SCALE: 1" = 20'



SEWER SERVICE PROFILE
SCALE: 1" = 20'



PROPOSED FIRE HYDRANT PLAN
SCALE: 1" = 20'



SEWER KEYNOTES

KEY	DESCRIPTION
S5	CONNECT SEWER LATERAL TO EXISTING 8" SEWER MAIN WITH TAP SADDLE PER QCSD 440PV-1
S10	INSTALL 4" Ø SDR 35 PVC SEWER LATERAL WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1
S15	INSTALL 4" Ø DOUBLE CLEANOUT & BACKWATER VALVE PER QCSD 440PV-2
S20	GROUT EXISTING 8" Ø SEWER STUB AND ABANDON PER TOPV REQUIREMENTS
S25	INSTALL 4" Ø SEWER CLEANOUT PER QCSD 441Q (MODIFIED FOR 4" Ø PIPE)

WATER KEYNOTES

KEY	DESCRIPTION
W5	CONNECT TO EXISTING 12" Ø PVC WATER MAIN WITH 12"x6" TAPPING SLEEVE & VALVE PER QCSD 340Q-1 & 2 AND VALVE BOX PER QCSD 391Q
W10	INSTALL 6" Ø C-600/CL350 DIP FIRE LINE TO FIRE RISER WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1
W15	INSTALL 4" Ø C-600/CL350 DIP FIRE LINE TO REMOTE FDC WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1
W20	INSTALL 2" Ø SCH-40 PVC DOMESTIC YARD LINE TO BUILDING WITH TRENCHING, BEDDING, & BACKFILL PER QCSD 200Q-1
W25	INSTALL JOINT RESTRAINT PER QCSDS 303Q-1 & 2
W30	INSTALL 1-1/2" DOMESTIC WATER METER AND SERVICE LINE PER QCSD 310PV-2&4 WITH LEAD FREE 1-1/2" WILKINS 375XL (HORIZ. ORIENTATION) BACKFLOW DEVICE PER QCSD 324Q-1 IN AN ELECTRONICALLY HEATED ASSE 1060 CLASS 1 HOTBOX
W35	INSTALL 1" IRRIGATION LEAD FREE WILKINS 375XL (HORIZ. ORIENTATION) BACKFLOW DEVICE PER QCSD 324Q-1 IN AN ELECTRONICALLY HEATED ASSE 1060 CLASS 1 HOTBOX
W40	INSTALL REMOTE FIRE DEPARTMENT CONNECTION WITH LOCKING CAPS PER CAFMA REQUIREMENTS
W45	INSTALL FIRE HYDRANT ASSEMBLY PER QCSD 360Q & 362Q

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4. SITE AND BUILDING PLAN DEVELOPED BY W. ALAN KENSON & ASSOCIATES, P.C. (WAKA).
5. COOPERATION WITH UTILITIES SHALL BE DONE IN ACCORDANCE WITH SECTION 105.6 OF MAG SPECIFICATIONS.
6. DRY UTILITY PROVIDERS MUST BE CONSULTED WITH FOR RELOCATION OF EXISTING UTILITIES IN CONFLICT WITH PROPOSED IMPROVEMENTS.
7. EXISTING UTILITY INFORMATION IS APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. HORIZONTAL LOCATIONS ARE BASED ON FIELD SURVEY & AS-BUILT DATA. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
8. REMOVALS SHALL BE DONE IN ACCORDANCE WITH MAG SPECIFICATIONS SECTION 350.

REVISIONS	BY
1 REVISIONS PER TOPV ROUND 1 COMMENTS	BH
2 REVISIONS PER CAFMA ROUND 1 COMMENTS	BH

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Registered Professional Engineer (Civil) — Brent Hall — 45636 — Arizona U.S.A. — Expires 9/30/21

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ARCHITECTURE & PLANNING

DRAWING: CIVIL IMPROVEMENT PLANS
WATER & SEWER PLAN

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY	BH
CHECKED BY	BH
DATE	July 14, 2020
JOB NO.	753
SHEET	C10

Jul 14, 2020 - 12:19pm FILE: Z:\Projects\2020\20019\DWG\CIVIL PLANS\20019-10-WATER & SEWER PLAN.dwg <<C3D_Imperial>>



N

0 15' 30' 60'

SCALE: 1" = 30'

EROSION CONTROL QUANTITIES

KEY	DESCRIPTION	QTY	UNIT
~~E5~~	~~HYDROSEED DISTURBED AREAS PER EPCM EC-3 EC-5~~	~~0~~	~~LS~~
E10	APPLY EROSION PROTECTION AT STRUCTURE PER EPCM RC-3	1	EA
E15	INSTALL ROCK OUTLET PROTECTION PER EPCM RC-4	5	EA
~~E20~~	~~INSTALL SEDIMENT TRAP PER EPCM SC-3~~	~~0~~	~~EA~~
E25	INSTALL SEDIMENT WADDLE PER EPCM SC-5	500	LF
E30	INSTALL CHECK DAM PER EPCM SC-6	7	EA
E35	APPLY STORM DRAIN INLET PROTECTION PER EPCM SC-8	5	EA
E40	INSTALL STABILIZED CONSTRUCTION ACCESS PER EPCM SC-10	2	EA
E45	MATERIAL DELIVERY & STORAGE AREA PER EPCM GH-5	1	LS
E50	APPLY CONCRETE WASTE MANAGEMENT PER EPCM WM-4	1	EA

A COPY OF THE NOI & NOT ARE TO BE SUBMITTED TO THE TOWN OF PRESCOTT VALLEY

EROSION CONTROL NOTES:

1. TOTAL AREA OF DISTURBANCE ≈ 3.92 ACRES WHICH WARRANTS COVERAGE UNDER ADEQ'S CONSTRUCTION GENERAL PERMIT.
2. THE CONTRACTOR IS RESPONSIBLE FOR FILING THE NOTICE OF INTENT (NOI) FOR CONSTRUCTION ACTIVITY DISCHARGES WITH ADEQ PRIOR TO ANY CONSTRUCTION ACTIVITIES.
3. PERMANENT STABILIZATION TO BE SUPPLEMENTED BY LANDSCAPE PLAN AND RIPRAP.
4. ADEQ AUTHORIZATION NOTICE SHALL BE POSTED ON-SITE NEAR CONSTRUCTION ENTRANCE.
5. REFER TO ADOT'S EROSION AND POLLUTION CONTROL MANUAL (EPCM) FOR BMP INSTALLATION INSTRUCTIONS.
6. APPLY CONSTRUCTION SITE PLANNING & MANAGEMENT PER EPCM CP-1 & CP-2.
7. KEEP SITE CLEAN OF DUST AND DEBRIS. LIMIT DUST TO LOWEST PRACTICABLE LEVEL BY SPRINKLING WITH WATER.
8. ALL DISTURBED AREAS SHALL BE HYDRO-SEEDED PER ADOT EPCM BMP EC-4 WITH SEED MIX PER TOWN OF PRESCOTT VALLEY SPECIFICATIONS.
9. ALL STOCKPILED MATERIAL STORED FOR THIS PROJECT FOR MORE THAN SEVEN (7) DAYS SHALL BE SURROUNDED BY SEDIMENT WADDLES PER ADOT EPCM BMP GH-7.
10. VEHICLE FUELING & MAINTENANCE SHALL BE DONE IN ACCORDANCE WITH ADOT EPCM BMPS GH-2 & GH-3.
11. TRASH RECEPTICLE, PORTABLE TOILET, & SPILL RESPONSE KIT SHALL BE LOCATED WITHIN THE DESIGNATED EQUIPMENT/MATERIAL STORAGE AREA.
12. POLLUTANT GENERATING WASH DOWN, FUELING, AND MAINTENANCE ACTIVITIES SHALL BE CONDUCTED WITHIN THE DESIGNATED EQUIPMENT/MATERIAL STORAGE AREA(S).
13. VEHICLES SHALL ONLY ENTER AND EXIT THROUGH THE STABILIZED CONSTRUCTION ENTRANCE(S) SHOWN ON THE EROSION CONTROL PLAN.
14. THIS SITE HAS NO SURFACE WATER BODIES.
15. IN THE EVENT OF A SPILL, THE SWPPP OPERATOR SHALL IMMEDIATELY CONTACT THE FIRE DEPARTMENT, AND THE TOWN OF PRESCOTT VALLEY, AND WITHIN 24 HOURS ADEQ AT (602-771-2330).

GENERAL NOTES:

1. THIS MAP DOES NOT REPRESENT THE RESULTS OF A BOUNDARY SURVEY. NO BOUNDARY SURVEY WAS PERFORMED OR IS IMPLIED BY THIS MAP.
2. ALL EASEMENTS OF RECORD MAY NOT BE PLOTTED HEREON.
3. TOPOGRAPHIC SURVEY PROVIDED BY GRANITE BASIN ENGINEERING, INC. (GBE) IN DECEMBER OF 2019.
4. SITE AND BUILDING PLAN DEVELOPED BY W. ALAN KENSON & ASSOCIATES, P.C. (WAKA).
5. COOPERATION WITH UTILITIES SHALL BE DONE IN ACCORDANCE WITH SECTION 105.6 OF MAG SPECIFICATIONS.
6. DRY UTILITY PROVIDERS MUST BE CONSULTED WITH FOR RELOCATION OF EXISTING UTILITIES IN CONFLICT WITH PROPOSED IMPROVEMENTS.
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8. REMOVALS SHALL BE DONE IN ACCORDANCE WITH MAG SPECIFICATIONS SECTION 350.

REVISIONS	BY

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Registered Professional Engineer (Civil) BRENT B. HULL 45636 Expires 6/30/21

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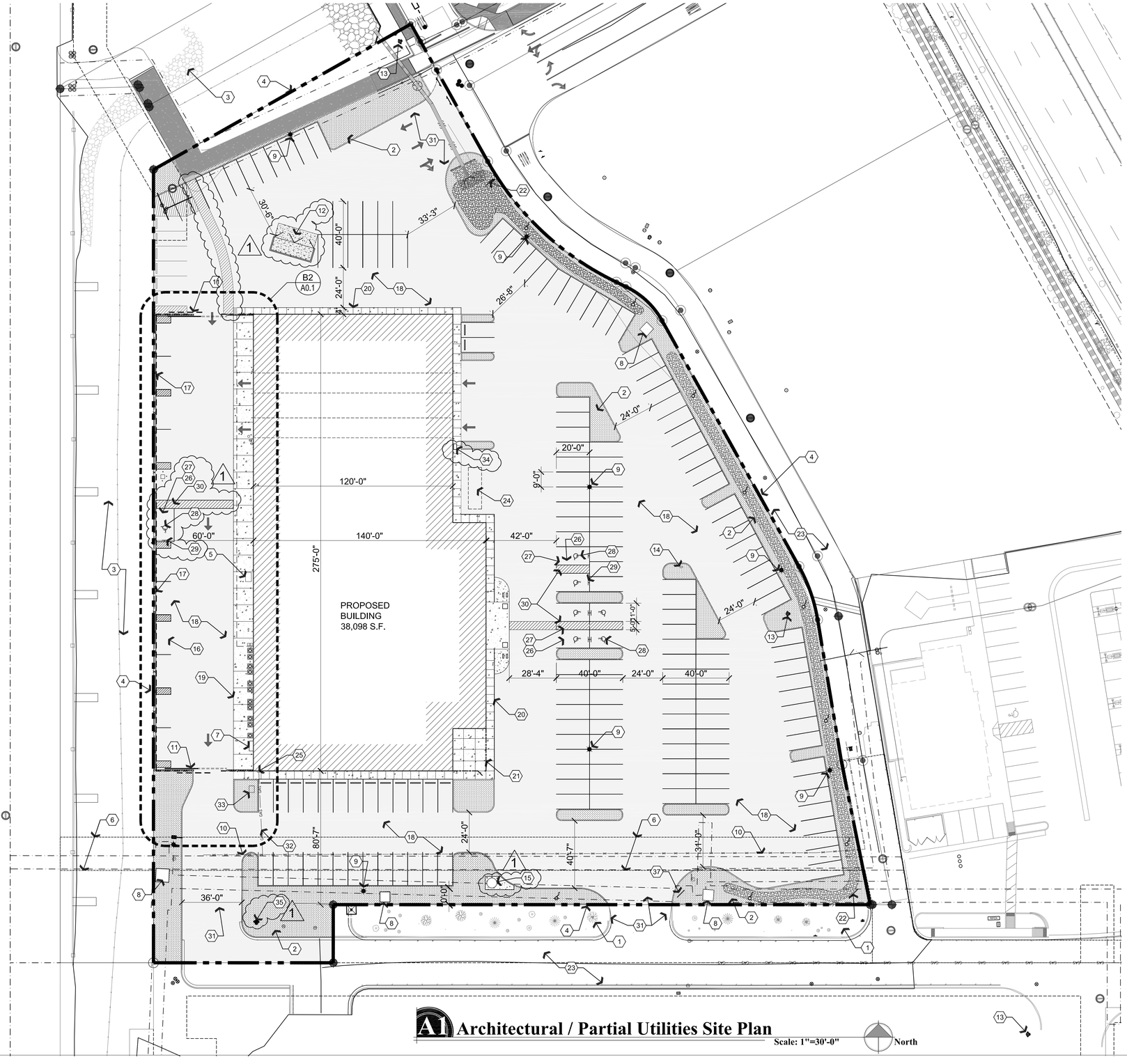
DRAWING: CIVIL IMPROVEMENT PLANS
EROSION CONTROL PLAN

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY	BH
CHECKED BY	BH
DATE	July 14, 2020
JOB NO.	753
SHEET	C11

Jul 14, 2020 - 12:20pm FILE: Z:\Projects\2020\20019\DWG\CIVIL PLANS\20019-11-EROSION CONTROL PLAN.dwg <<C3D_Imperial>>



Descriptive Keynotes

1. EXISTING LANDSCAPE AREA.
2. PROPOSED LANDSCAPE AREA, REFER TO LANDSCAPE PLAN.
3. EXISTING DRAINAGE CHANNEL.
4. PROPERTY LINE.
5. CARDBOARD BALER BY OWNER.
6. EXISTING NATURAL GAS EASEMENT.
7. PROPOSED ELECTRICAL SES, REFER TO ELECTRICAL PLANS.
8. EXISTING ELECTRICAL SWITCHING CABINET PAD.
9. PROVIDE LIGHTING, REFER TO ELECTRICAL PLANS, TYPICAL.
10. EXISTING NATURAL GAS LINE.
11. PROPOSED 8' TALL, 8" CMU FENCE, WITH ONE 20' WITH SLIDING METAL GATE ON EACH END, REFER TO ENLARGED SITE PLAN.
12. PROVIDE DOUBLE TRASH DUMPSTER WITH GATES SIMILAR TO DETAIL B2/A0.2.
13. EXISTING FIRE HYDRANT.
14. PROPOSED REMOTE FIRE DEPARTMENT CONNECTION.
15. PROPOSED VERTICAL PROPANE TANK BY OWNER UNDER SEPARATE PERMIT.
16. PROPOSED PARALLEL PARKING, TYPICAL.
17. PROVIDE 8' TALL CHAIN LINK FENCE WITH SLATS.
18. PROPOSED ASPHALTIC PAVEMENT, REFER TO CIVIL PLANS.
19. PROPOSED CONCRETE SLAB, REFER TO CIVIL PLANS.
20. PROPOSED CONCRETE SIDEWALK, REFER TO CIVIL PLANS.
21. FUTURE FENCE WITH 4' GATE BY OWNER UNDER SEPARATE PERMIT.
22. POTENTIAL MONUMENT SIGN BY OWNER UNDER SEPARATE PERMIT.
23. EXISTING UN-NAMED STREET.
24. FOOD TRUCK PARKING.
25. PROPOSED NATURAL GAS METER / REGULATOR.
26. PROPOSED ADA PARKING SPACE, TYPICAL.
27. 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.
28. PROVIDE A.D.A. APPROVED SYMBOL OF ACCESSIBILITY PAVEMENT MARKING, TYPICAL. REFER TO DETAIL A1 SHEET A0.2
29. PROVIDE PARKING SIGNAGE IN ACCORDANCE WITH A.D.A. REQUIREMENTS. REFER TO DETAIL B1 SHEET A0.2.
30. PROVIDE 4" WIDE 'FEDERAL YELLOW' PAINTED STRIPING AT UNLOADING AREA IN ACCORDANCE WITH A.D.A. REQUIREMENTS.
31. PROPOSED NEW DRIVEWAY.
32. PROPOSED NATURAL GAS LINE.
33. PROPOSED TRANSFORMER, REFER TO ELECTRICAL PLANS.
34. NATURAL GAS GRILL LOCATION.
35. PROPOSED FIRE HYDRANT.

Legend:

- TYPICALLY INDICATES BUILDING AREA
- TYPICALLY INDICATES PROPOSED ASPHALT SURFACE AREA
- TYPICALLY INDICATES PROPOSED CONCRETE
- TYPICALLY INDICATES LANDSCAPE AREA
- TYPICALLY INDICATES LUMBER BUILDING ENTRANCE / EXIT

PARKING CALCULATIONS

LUMBER 8,838 USABLE SPACE / 300 = 29 PARKING SPACES

RETAIL 20,965 + 1,744 OFFICES = 22,709 USABLE / 150 = 151 PARKING SPACES

TOTAL PARKING SPACES REQUIRED =180
TOTAL PARKING SPACES PROVIDED = 182

LANDSCAPING CALCULATIONS

PARKING LOT AREA: 113,369 S.F.
REQUIRED LANDSCAPING (10%) 11,336 S.F.
PROVIDED LANDSCAPING: 18,229 S.F.

A1 Architectural / Partial Utilities Site Plan

Scale: 1"=30'-0"

North

Jul 14, 2020 - 12:46pm

REVISIONS		BY
1	TOPV COMMENTS 6-30-2020	LO

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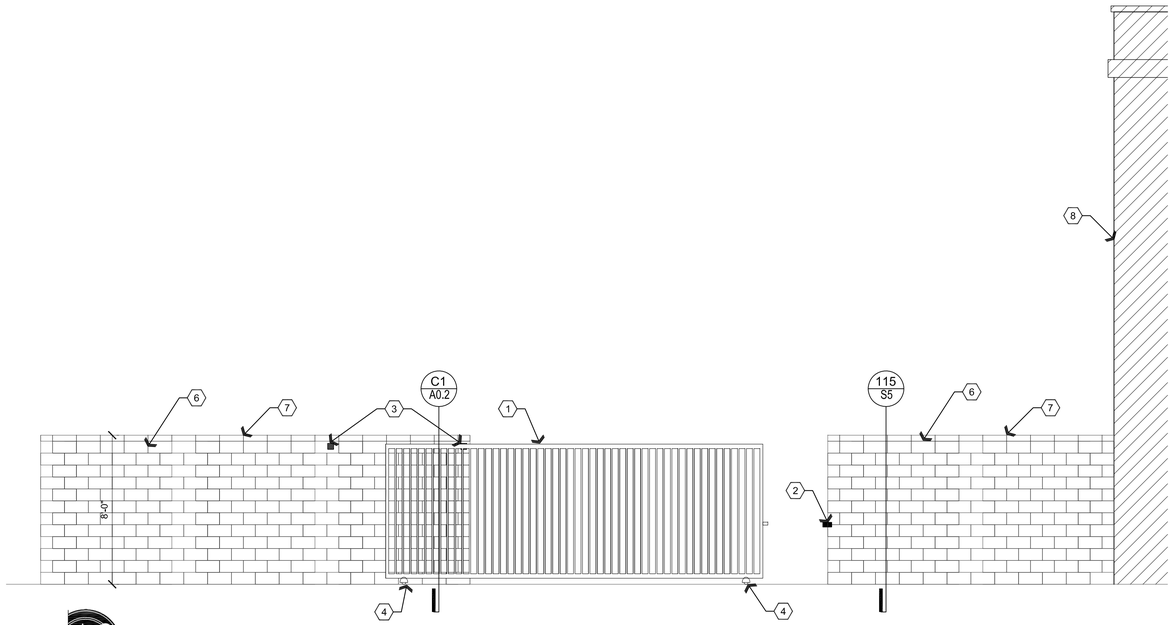
REGISTERED ARCHITECT
CERTIFICATE NO.
25646
W. ALAN KENSON
Date Signed 06/30/20
ARIZONA
EXPIRES: 6/30/21

W. Alan Kenson & Associates, P.C.
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ARCHITECTURE & PLANNING

DRAWING: Architectural / Partial Utilities Site Plan
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314
APN: 103-71-001F

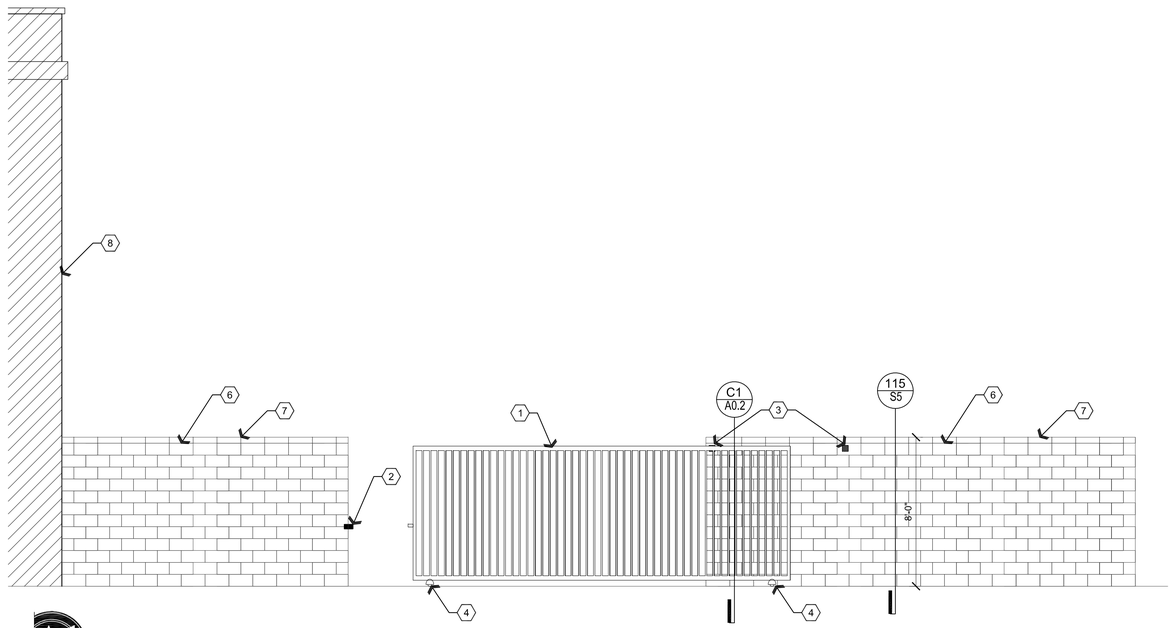
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET

A0.0



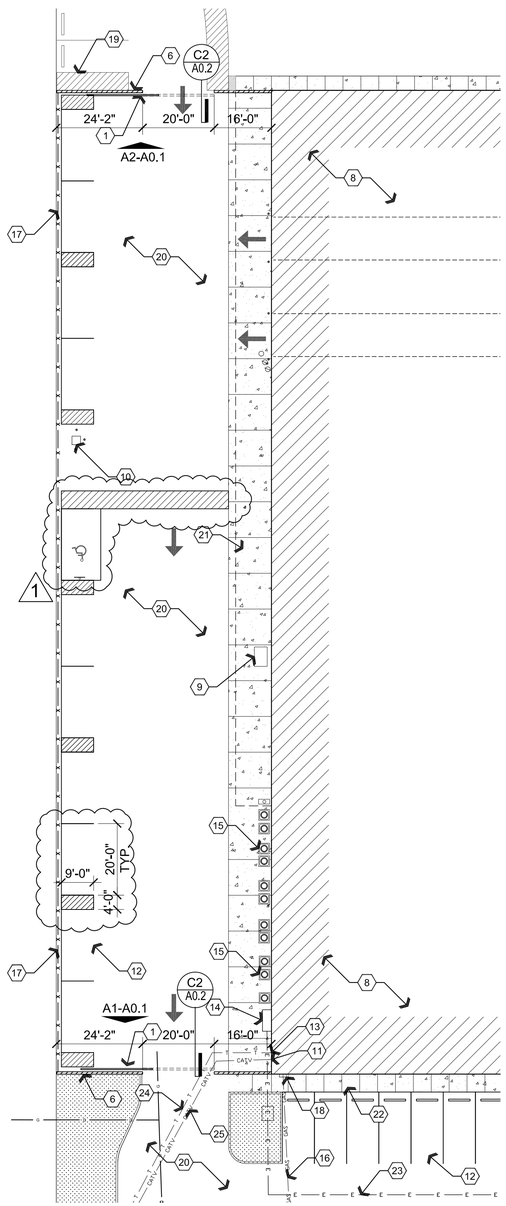
A2 Fence / Gate Elevation

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



A1 Fence / Gate Elevation

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



B2 Enlarged Partial Site Plan

Scale: 1"=20'-0"

North

Descriptive Keynotes

1. PROVIDE GATE: 2"x3"x1/4" STEEL TUBE TOP & BOTTOM, 2" SQUARE TUBE EACH END, 1" SQUARE STEEL PICKETS @ 5" O.C., TYPICAL WELD 1/4" FILLET ALL AROUND.
2. PROVIDE GATE LOCK MECHANISM WITH OWNER LOCK AND KNOX LOCK AS REQUIRED BY FIRE DEPARTMENT.
3. PROVIDE TOP OF GATE SUPPORT GUIDE.
4. PROVIDE STEEL GATE WHEEL.
5. NOT USED.
6. PROVIDE 8"x8"x16", 8' TALL CMU WALL, SPLIT FACE BOTH SIDES.
7. PROVIDE 4" CMU WALL CAP, SPLIT FACE BOTH SIDES.
8. PROPOSED RETAIL BUILDING.
9. CARDBOARD BALER BY OWNER.
10. PROPOSED DOMESTIC WATER METER AND REDUCED PRESSURE BACKFLOW ASSEMBLY, REFER TO CIVIL PLANS.
11. PROPOSED CATV CLOSURE.
12. PROPOSED PARKING SPACE, TYPICAL.
13. PROPOSED TELEPHONE CLOSURE.
14. PROPOSED ELECTRICAL SES, REFER TO ELECTRICAL PLAN.
15. PROVIDE CONDENSER, REFER TO MECHANICAL PLAN, TYPICAL.
16. PROPOSED NATURAL GAS LINE.
17. PROVIDE 8' TALL CHAIN LINK FENCE WITH SLATS.
18. PROPOSED NATURAL GAS METER / REGULATOR.
19. PROPOSED DOUBLE TRASH DUMPSTER WITH GATES SIMILAR TO QUAD CITY DETAIL 144P / A0.2.
20. PROPOSED ASPHALTIC PAVEMENT, REFER TO CIVIL PLANS.
21. PROPOSED CONCRETE SLAB, REFER TO CIVIL PLANS.
22. PROPOSED CONCRETE SIDEWALK, REFER TO CIVIL PLANS.
23. PROPOSED ELECTRIC CONDUIT, REFER TO ELECTRICAL PLANS.
24. PROPOSED TELEPHONE CONDUIT, REFER TO ELECTRICAL PLANS.
25. PROPOSED CATV CONDUIT, REFER TO ELECTRICAL PLANS.

Legend:

- TYPICALLY INDICATES BUILDING AREA
- TYPICALLY INDICATES PROPOSED ASPHALT SURFACE AREA
- TYPICALLY INDICATES PROPOSED CONCRETE
- TYPICALLY INDICATES LANDSCAPE AREA
- TYPICALLY INDICATES LUMBER BUILDING EXIT AND DIRECTION OF TRAFFIC

REVISIONS		BY
1	TOPV COMMENTS 6-30-2020	LO

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON Date Signed 06/30/20 ARIZONA EXPIRES: 6/30/21

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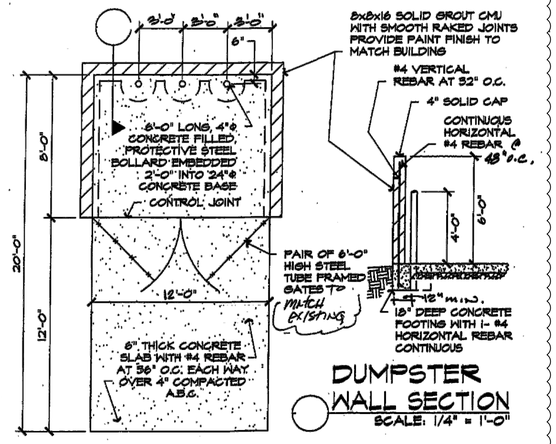
DRAWING: Enlarged Site Plan and Fence / Gate Elevations

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: **A0.1**

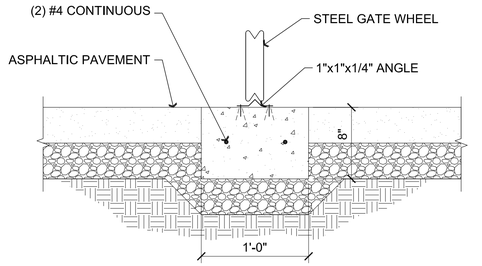
Jul 10, 2020 - 9:11am



B2 Dumpster Enclosure Detail

Scale: n.t.s.

1



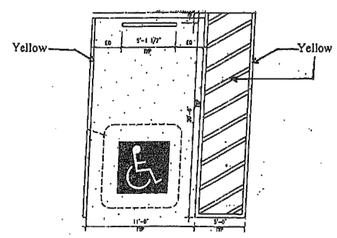
C2 Rolling Gate V-Track

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

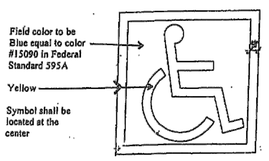
1

Town of Prescott Valley
A.D.A. Accessible Parking Requirements

- Town code Section 13-24-020 H.2 requires each handicapped-accessible parking space shall meet the following minimum requirements for size: width of eleven (11) feet and length of twenty (20) feet, with an adjacent access aisle on the right side five (5) feet in width. Two (2) accessible parking spaces may share a single five (5) foot wide access aisle. (See example below)

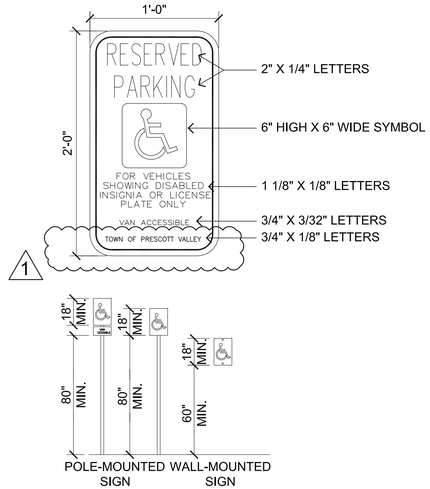


- Handicap ground painted symbol shall be painted blue equal to color #15090 in federal standard 595A in the field with a yellow boarder, figure, parking space and access aisle. (See example below).



A1 ADA Parking Details

Scale: n.t.s.

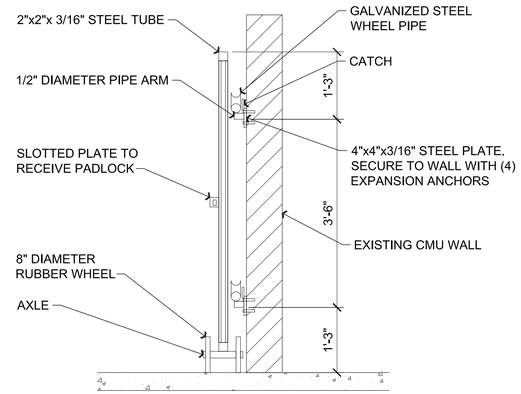


1

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.

B1 Accessible Parking Signage

SCALE: N.T.S.



NOTE: WELD ALL TUBES TO TUBES

C1 Gate Section

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

Jul 10, 2020 - 9:12am

REVISIONS		BY
1	TOPV COMMENTS 6-30-2020	LO

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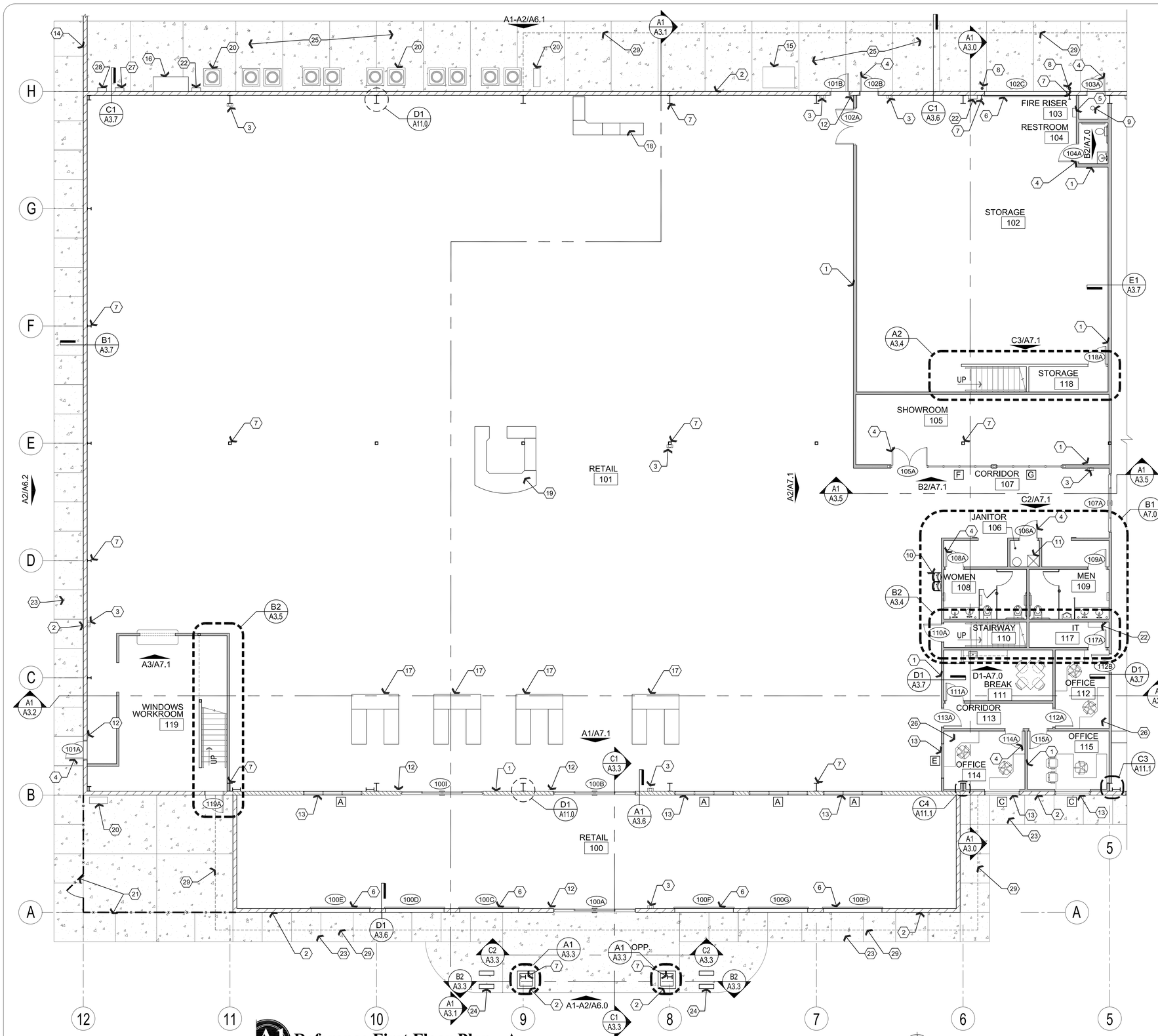
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APN: 103-71-001F

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A0.2



Descriptive Keynotes

1. PROVIDE INTERIOR WALL, REFER TO WALL TYPES PLAN / LEGEND FOR TYPE OF CONSTRUCTION.
2. PROVIDE EXTERIOR WALL, REFER TO WALL TYPES PLAN / LEGEND FOR TYPE OF CONSTRUCTION.
3. PROVIDE TYPE 2A10BC FIRE EXTINGUISHER IN SURFACE MOUNTED CABINET.
4. PROVIDE DOOR, REFER TO DOOR SCHEDULE, TYPICAL.
5. FIRE ALARM PANEL.
6. PROVIDE SECTIONAL GARAGE DOOR, REFER TO DOOR SCHEDULE.
7. PROVIDE STEEL COLUMN, REFER TO STRUCTURAL PLANS, TYPICAL.
8. PROVIDE 6'-0" LONG 4" DIAMETER, CONCRETE FILLED, PROTECTIVE STEEL BOLLARDS, EMBEDDED 2'-0" BELOW GRADE INTO CONCRETE FOOTING, TYPICAL AT EACH NEW OVERHEAD DOOR.
9. PROVIDE AUTOMATIC FIRE SPRINKLER SYSTEM RISER, REFER TO FIRE SPRINKLER PLANS / CIVIL PLANS.
10. PROVIDE ELECTRIC DRINKING FOUNTAIN, REFER TO PLUMBING PLANS.
11. PROVIDE MOP SINK, REFER TO PLUMBING PLANS.
12. 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. SIGN SHALL BE MOUNTED 60" A.F.F. TO THE CENTER OF THE SIGN.
13. PROVIDE WINDOW, REFER TO WINDOW TYPES, TYPICAL.
14. CMU FENCE, REFER TO ENLARGED SITE PLAN.
15. CARDBOARD BALER PROVIDED BY OWNER.
16. ELECTRICAL SERVICE ENTRANCE SECTION, REFER TO ELECTRICAL PLANS.
17. CHECKOUT REGISTERS, BY OWNER.
18. KEY COUNTER BY OWNER.
19. PAINT COUNTER BY OWNER.
20. CONDENSER, TYPICAL, REFER TO MECHANICAL PLANS.
21. FUTURE FENCE WITH GATE, BY OWNER.
22. ELECTRICAL PANEL, REFER TO ELECTRICAL PLANS.
23. EXTERIOR SIDEWALK, REFER TO CIVIL PLANS.
24. GLU-LAM COLUMN, REFER TO STRUCTURAL PLANS.
25. EXTERIOR CONCRETE SLAB, REFER TO CIVIL PLANS.
26. OFFICE FURNITURE BY OWNER.
27. TELEPHONE CLOSURE, REFER TO ELECTRICAL PLANS.
28. CABLE TV CLOSURE, REFER TO ELECTRICAL PLANS.
29. ROOF OVERHANG ABOVE.

NOTE: FOR HIGH WINDOW TYPES, REFER TO SHEET A2.3 AND A2.5

A1 Reference First Floor Plan - A

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

Plan North

C1 Key Plan

Scale: n.t.s.

Plan North

Jun 01, 2020 - 10:52am

REVISIONS	BY

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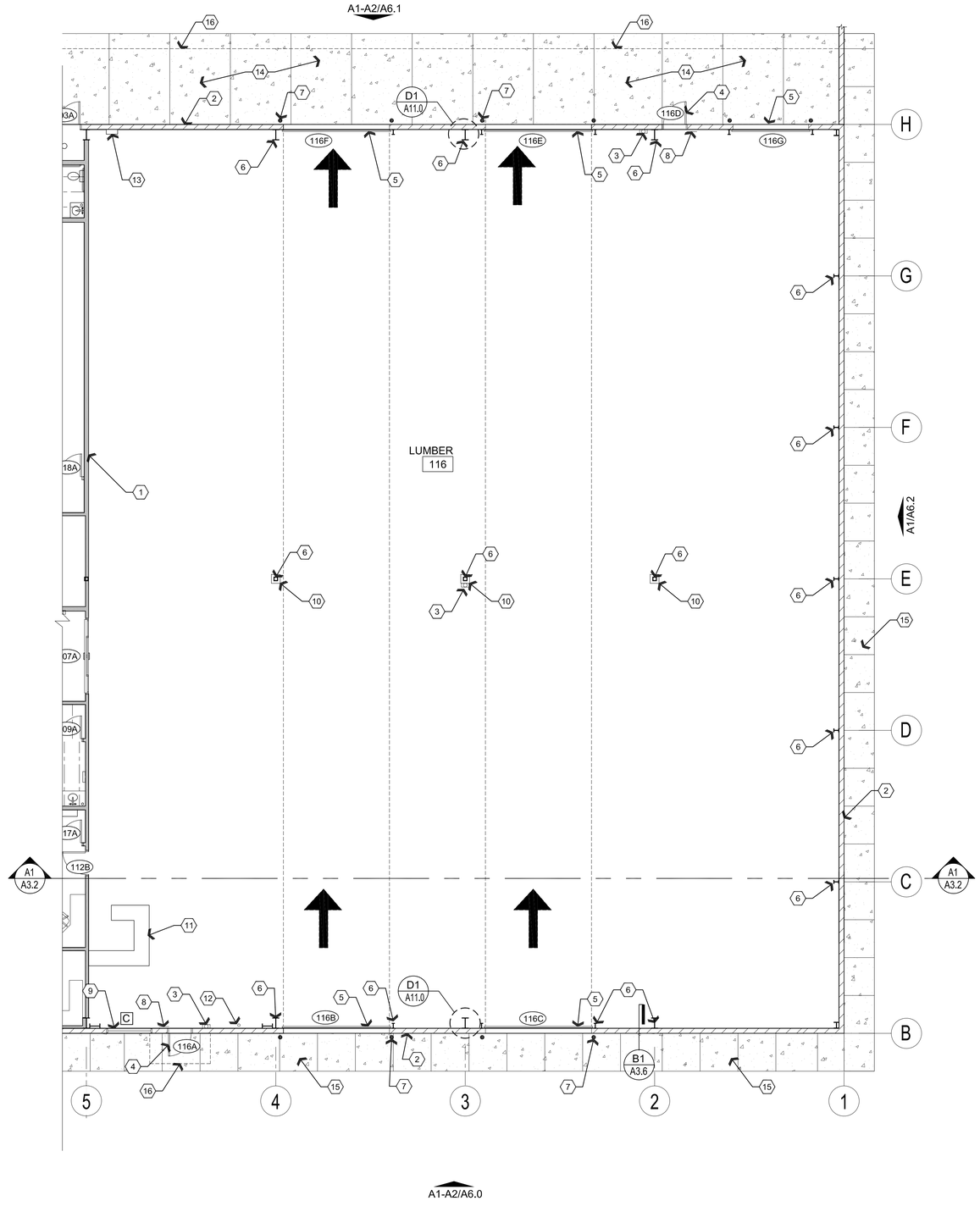
DRAWING: Reference Floor Plan 'A'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

A1.0



Descriptive Keynotes

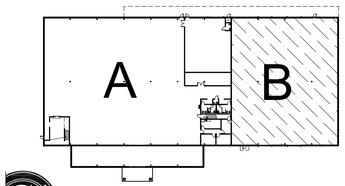
1. PROVIDE INTERIOR WALL, REFER TO WALL TYPES PLAN / LEGEND FOR TYPE OF CONSTRUCTION.
2. PROVIDE EXTERIOR WALL, REFER TO WALL TYPES PLAN / LEGEND FOR TYPE OF CONSTRUCTION.
3. PROVIDE TYPE 2A10BC FIRE EXTINGUISHER IN SURFACE MOUNTED CABINET.
4. PROVIDE DOOR, REFER TO DOOR SCHEDULE, TYPICAL.
5. PROVIDE SECTIONAL GARAGE DOOR, REFER TO DOOR SCHEDULE.
6. PROVIDE STEEL COLUMN, REFER TO STRUCTURAL PLANS, TYPICAL.
7. PROVIDE 6'-0" LONG 4" DIAMETER, CONCRETE FILLED, PROTECTIVE STEEL BOLLARDS, EMBEDDED 2'-0" BELOW GRADE INTO CONCRETE FOOTING, TYPICAL AT EACH NEW OVERHEAD DOOR.
8. 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. SIGN SHALL BE MOUNTED 60" A.F.F. TO THE CENTER OF THE SIGN.
9. PROVIDE WINDOW, REFER TO WINDOW TYPES, TYPICAL.
10. PROVIDE STEEL COLUMN PROTECTORS, REFER TO MATERIALS SCHEDULE.
11. CHECKOUT REGISTER BY OWNER.
12. 4" FIRE RISER WATER LINE TO REMOTE FDC, REFER TO CIVIL PLANS.
13. ELECTRICAL PANEL, REFER TO ELECTRICAL PLANS.
14. EXTERIOR CONCRETE SLAB, REFER TO CIVIL PLANS.
15. EXTERIOR CONCRETE SIDEWALK, REFER TO CIVIL PLANS.
16. ROOF OVERHANG ABOVE.

NOTE: FOR HIGH WINDOW TYPES, REFER TO SHEET A2.3 AND A2.5

B1 Reference First Floor Plan - B

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

Plan North



C1 Key Plan

Scale: n.t.s.

Plan North

REVISIONS	BY

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON Date Signed 06/30/20 ARIZONA EXPIRES: 6/30/21

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DRAWING: Reference Floor Plan 'B'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: **A1.1**

May 30, 2020 - 3:27pm

Wall Types Legend

- A — EXTERIOR WALL: PROVIDE EXTERIOR METAL BUILDING, INSULATED CF ARCHITECTURAL SIDING PANELS OVER 8" HORIZONTAL GIRTS BETWEEN STEEL COLUMNS ABOVE SPLIT FACE ONE SIDE, 8x8x16 CMU WALL.
- B — EXTERIOR WALL: PROVIDE 8x8x16 CMU SINGLE SCORE BOTH SIDES WALL [CMU-2]
- C — CMU WALL: PROVIDE 8x8x16, SPLIT FACE CMU ONE SIDE WALL [CMU-1]
- D — 6" STUD WALL: PROVIDE 6" 18 GA. STEEL STUDS AT 2'-0" O.C. WITH 5/8" GPDW ON EACH SIDE. PROVIDE R-19 UNFACED BATT INSULATION.
- E — FURRING: PROVIDE 2x4 WOOD STUD WALL FURRING @ 1'-4" O.C. WITH 5/8" GPDW ON INTERIOR SIDE OF CMU / METAL PANELS. PROVIDE R-11 BATT INSULATION.
- F — INTERIOR 2x4 STUD WALL, TYP. PROVIDE 1-LAYER 5/8" GPDW ON EACH SIDE OF 2x4 WOOD STUDS AT 1'-4" ON CENTER. PROVIDE R-11 BATT INSULATION.
- G — INTERIOR 2x6 WALL: PROVIDE 1-LAYER 5/8" GPDW ON EACH SIDE OF 2x6 WOOD STUDS AT 1'-4" ON CENTER. PROVIDE R-19 UNFACED BATT INSULATION.
- H — INTERIOR 2x4 STUD PONY WALL PROVIDE 1-LAYER 5/8" GPDW ON EACH SIDE OF 2x4 WOOD STUDS AT 1'-4" ON CENTER, @ 42" ABOVE STAIR NOSING.
- I — INTERIOR 2x4 STUD PONY WALL PROVIDE 1-LAYER 5/8" GPDW ON EACH SIDE OF 2x4 WOOD STUDS AT 1'-4" ON CENTER, @ 42" ABOVE STAIR OPENING.

NOTE:
REFER TO STRUCTURAL PLANS FOR SHEER WALL LOCATIONS AND CONSTRUCTION.

Descriptive Keynotes RCP

1. LIGHT FIXTURE(S) SHOWN FOR QUANTITY AND LOCATION ONLY. REFER TO ELECTRICAL PLANS.
2. PROVIDE SUSPENDED ACOUSTIC PANEL CEILING.
3. PROVIDE BEAM, REFER TO STRUCTURAL PLANS.
4. PROVIDE ROOF PURLIN, TYPICAL, REFER TO STRUCTURAL PLANS.

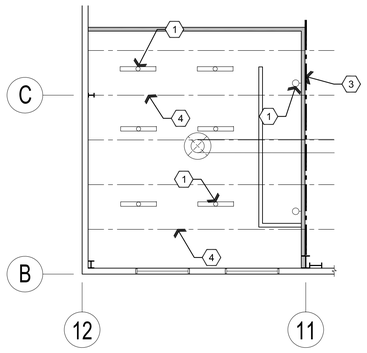
Legend:

- SUSPENDED 2'x2' ACOUSTIC PANEL CEILING [ACT-1]
- 4' STRIP LIGHT
- GRID LIGHTING
- WALL MOUNTED LIGHT FIXTURE
- HVAC RETURN
- HVAC SUPPLY

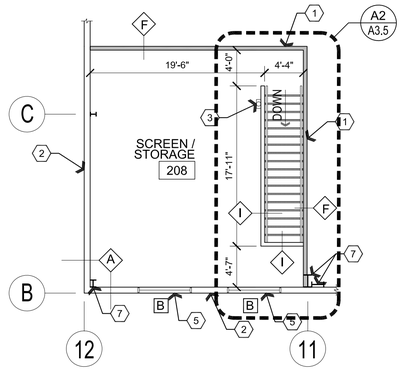
REFER TO MECHANICAL AND ELECTRICAL PLANS

Descriptive Keynotes Reference Floor Plan

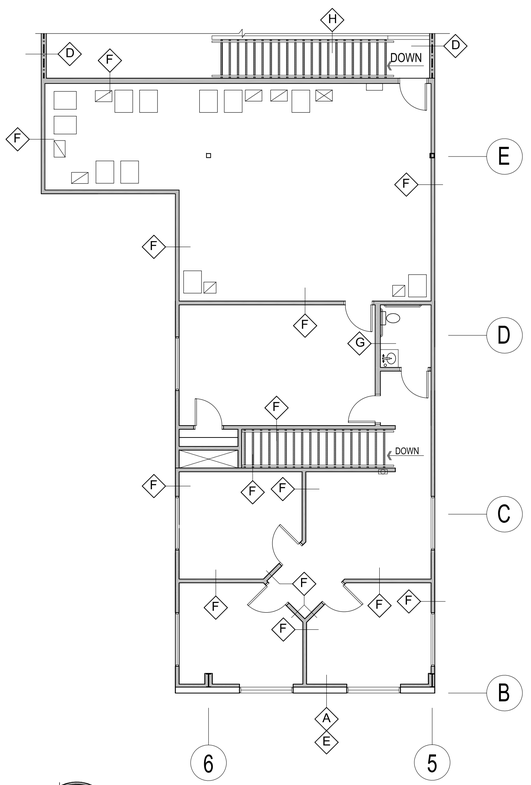
1. PROVIDE INTERIOR WALL, TYPICAL, REFER TO WALL TYPES PLAN / LEGEND FOR TYPE OF CONSTRUCTION.
2. PROVIDE EXTERIOR WALL, REFER TO WALL TYPES PLAN / LEGEND FOR TYPE OF CONSTRUCTION.
3. PROVIDE TYPE 2A10BC FIRE EXTINGUISHER IN SURFACE MOUNTED CABINET.
4. PROVIDE DOOR, TYPICAL, REFER TO DOOR SCHEDULE, TYPICAL.
5. PROVIDE WINDOW, TYPICAL, REFER TO WINDOW TYPES, TYPICAL.
6. PROVIDE HVAC EQUIPMENT, TYPICAL, REFER TO MECHANICAL PLANS.
7. PROVIDE STEEL COLUMN, REFER TO STRUCTURAL PLANS.
8. OFFICE FURNITURE BY OWNER.
9. ELECTRICAL PANEL, REFER TO ELECTRICAL PLANS.



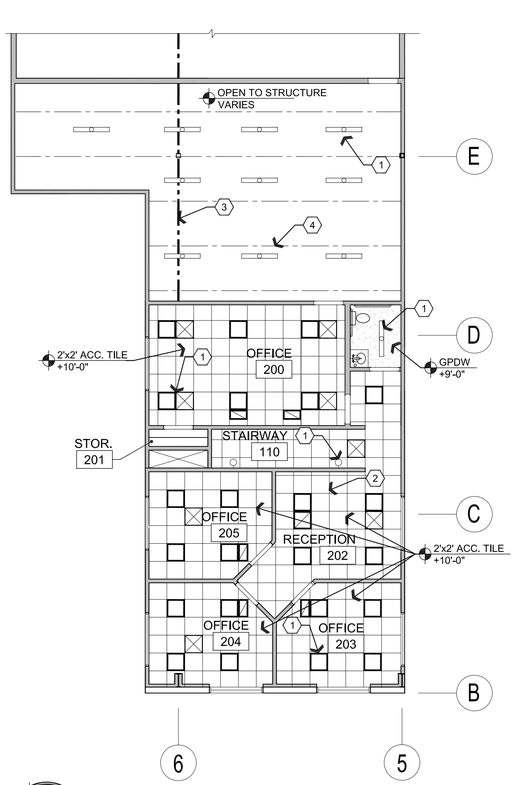
C2 RCP 2nd Floor Plan
Scale: 1/8"=1'-0"



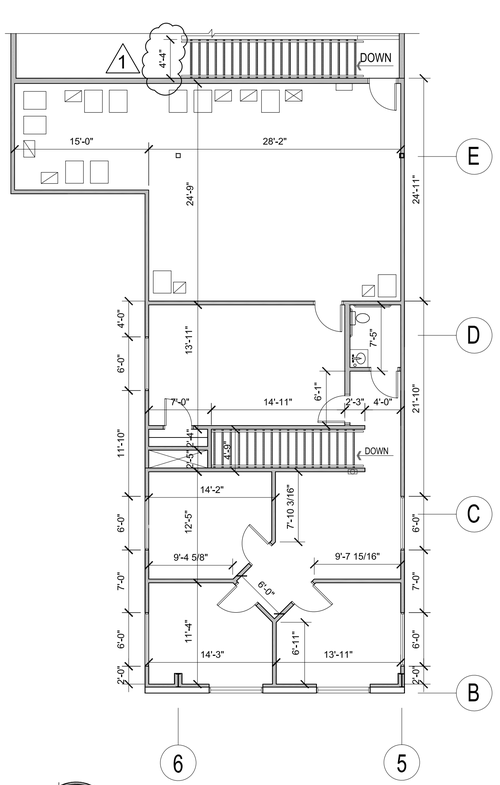
D2 Reference / Dimension / Wall Types 2nd Floor Plan
Scale: 1/8"=1'-0"



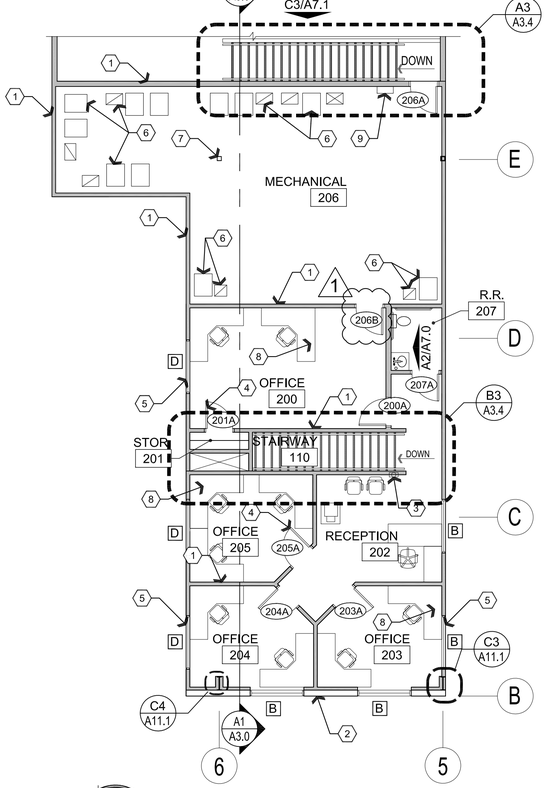
A1 Wall Types 2nd Floor Plan
Scale: 1/8"=1'-0"



B1 RCP 2nd Floor Plan
Scale: 1/8"=1'-0"



C1 Dimension 2nd Floor Plan
Scale: 1/8"=1'-0"



D1 Reference 2nd Floor Plan
Scale: 1/8"=1'-0"

Jul 10, 2020 - 9:12am

REVISIONS	BY
1 TOPV COMMENTS 6-30-2020	LO

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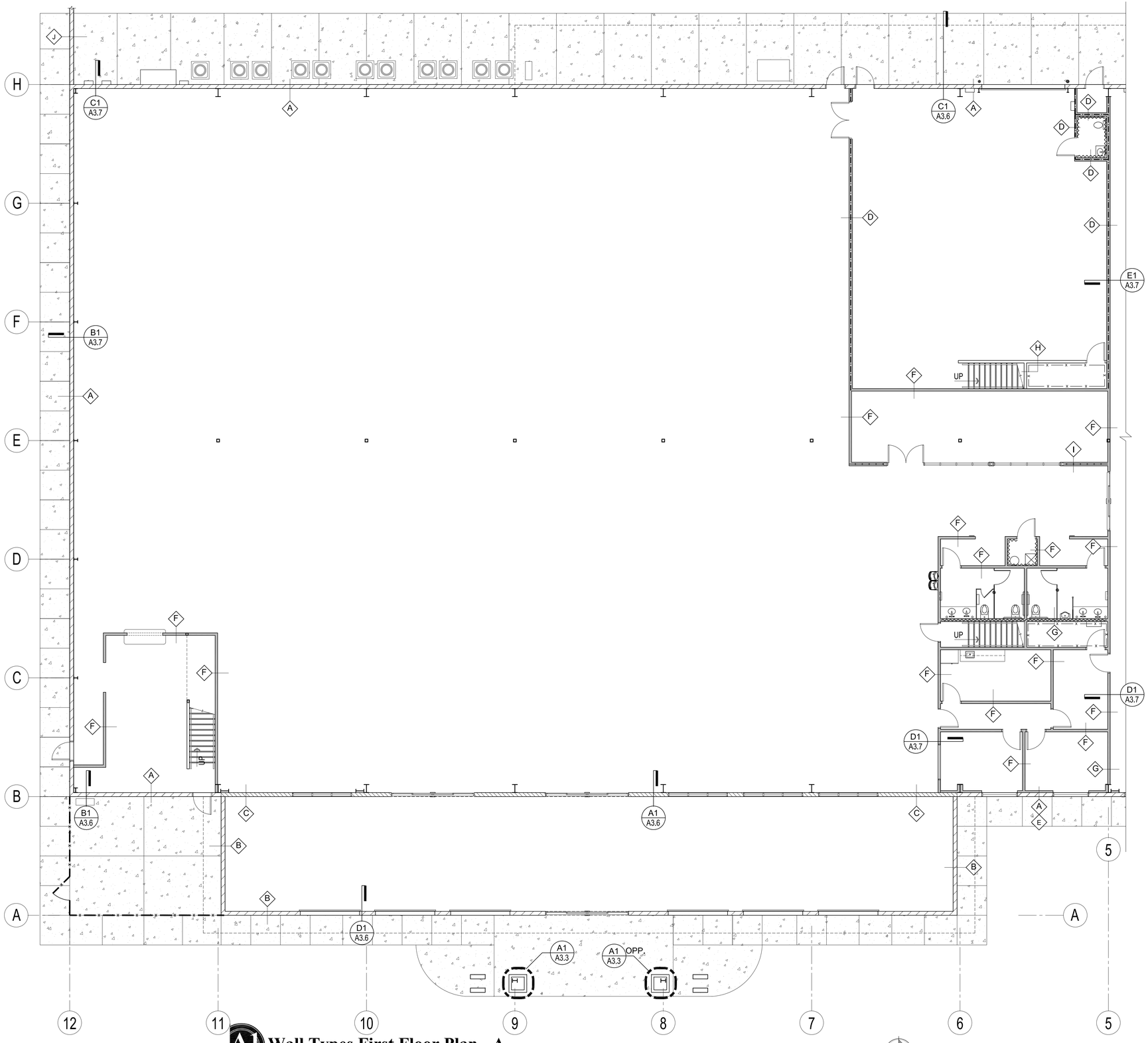
DRAWING: Second Floor Reference, Dimension, Wall Types and Reflected Ceiling plans

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET

A1.2



Wall Types Legend

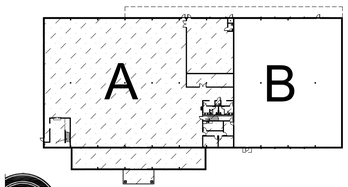
- (A) EXTERIOR WALL: PROVIDE EXTERIOR METAL BUILDING, INSULATED CF ARCHITECTURAL SIDING PANELS OVER 8" HORIZONTAL GIRTS BETWEEN STEEL COLUMNS ABOVE SPLIT FACE, ONE SIDE 8x8x16 CMU WALL. M-1 CMU-1
- (B) EXTERIOR WALL: PROVIDE 8x8x16 CMU SINGLE SCORE, BOTH SIDES WALL CMU-2
- (C) CMU WALL: PROVIDE 8x8x16, CMU SINGLE SCORE, ONE SIDE WALL CMU-2
- (D) 6" STUD WALL: PROVIDE 6" 18 GA. STEEL STUDS AT 2'-0" O.C. WITH 5/8" GPDW ON EACH SIDE. PROVIDE R-19 UNFACED BATT INSULATION.
- (E) FURRING: PROVIDE 2x4 WOOD STUD WALL FURRING @ 1'-4" O.C. WITH 5/8" GPDW ON INTERIOR SIDE OF CMU / METAL PANELS. PROVIDE R-11 BATT INSULATION. M-1 CMU-1
- (F) INTERIOR 2x4 STUD WALL, TYP. PROVIDE 1-LAYER 5/8" GPDW ON EACH SIDE OF 2x4 WOOD STUDS AT 1'-4" ON CENTER. PROVIDE R-11 BATT INSULATION.
- (G) INTERIOR 2x6 WALL: PROVIDE 1-LAYER 5/8" GPDW ON EACH SIDE OF 2x6 WOOD STUDS AT 1'-4" ON CENTER. PROVIDE R-19 UNFACED BATT INSULATION.
- (H) INTERIOR 2x4 STUD WALL, PONY WALL. PROVIDE 1-LAYER 5/8" GPDW ON EACH SIDE OF 2x4 WOOD STUDS AT 1'-4" ON CENTER. REFER TO STAIR SECTION ON SHEET A3.4 FOR HEIGHT INFORMATION.
- (I) INTERIOR 2x6 WALL: PROVIDE 1-LAYER 5/8" PLYWOOD ON ONE SIDE WITH 1-LAYER 5/8" GPDW ON EACH SIDE OF 2x6 WOOD STUDS AT 1'-4" ON CENTER. PROVIDE R-11 UNFACED BATT INSULATION.
- (J) CMU WALL: PROVIDE 8x8x16 CMU SPLIT FACE, TWO SIDES WALL CMU-1
- 48" HIGH FRP FRP-1
- 1 HOUR FIRE WALL. PROVIDE 1-LAYER 5/8" TYPE 'X' GPDW ON EACH SIDE OF 2x4 WOOD STUDS @ 1'-4"O.C.

NOTE:
REFER TO STRUCTURAL PLANS FOR SHEER WALL LOCATIONS AND CONSTRUCTION.

A1 Wall Types First Floor Plan - A

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

Plan North



C1 Key Plan

Scale: n.t.s.

Plan North

REVISIONS		BY
1	TOPV COMMENTS 6-30-2020	LO

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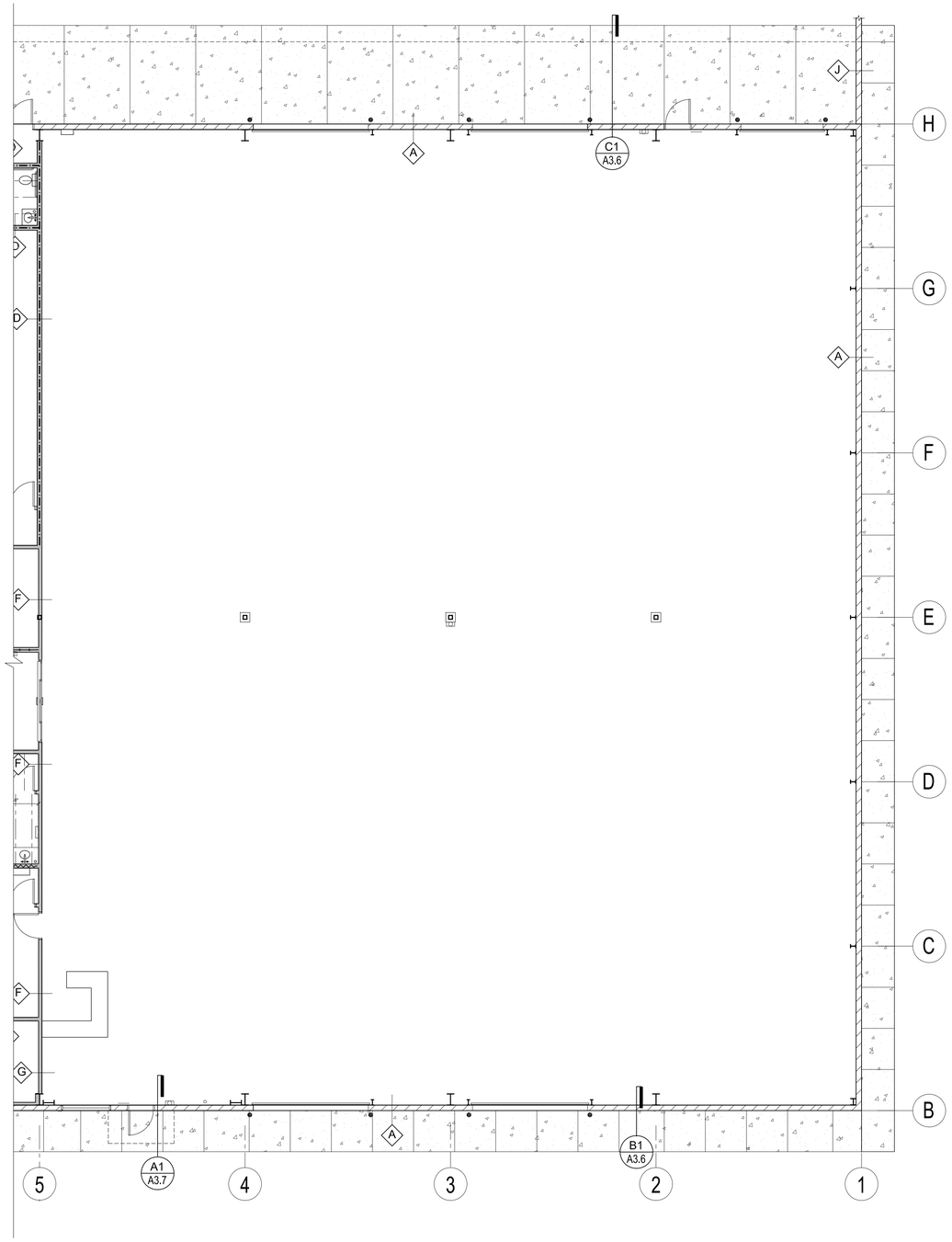
DRAWING: Wall Types Plan 'A'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A2.0

Jul 10, 2020 - 9:13am



Wall Types Legend

A EXTERIOR WALL: PROVIDE EXTERIOR METAL BUILDING, INSULATED CF ARCHITECTURAL SIDING PANELS OVER 8" HORIZONTAL GIRTS BETWEEN STEEL COLUMNS ABOVE CMU WALL. M-1 CMU-1

J CMU WALL: PROVIDE 8x8x16 CMU SPLIT FACE, TWO SIDES WALL CMU-1

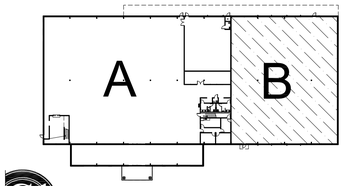
NOTE:
REFER TO STRUCTURAL PLANS FOR SHEER WALL LOCATIONS AND CONSTRUCTION.

1

A1 Wall Types Plan - B

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

Plan North



C1 Key Plan

Scale: n.t.s.

Plan North

REVISIONS		BY
1	TOPV COMMENTS 6-30-2020	LO

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DRAWING: Wall Types Plan 'B'

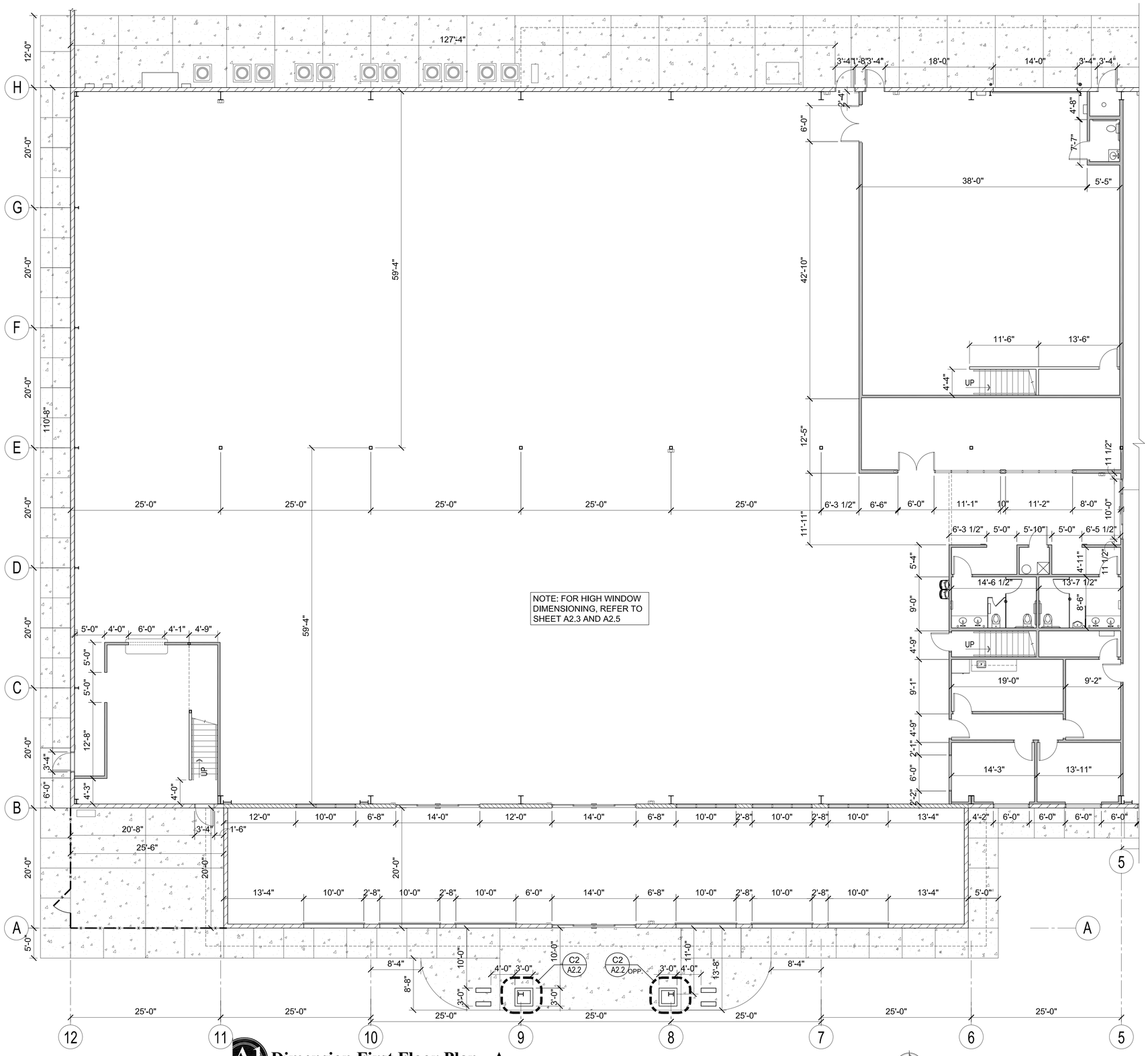
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

A2.1

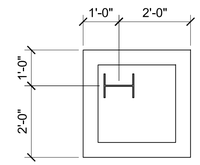
Jul 10, 2020 - 9:13am



A1 Dimension First Floor Plan - A

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

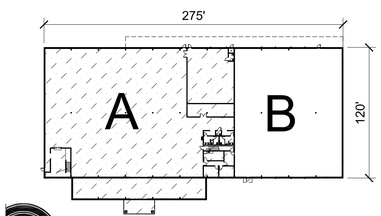
Plan North



C2 Enlarged Dimension Plan

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

Plan North



C1 Key Plan

Scale: n.t.s.

Plan North

May 30, 2020 - 3:29pm

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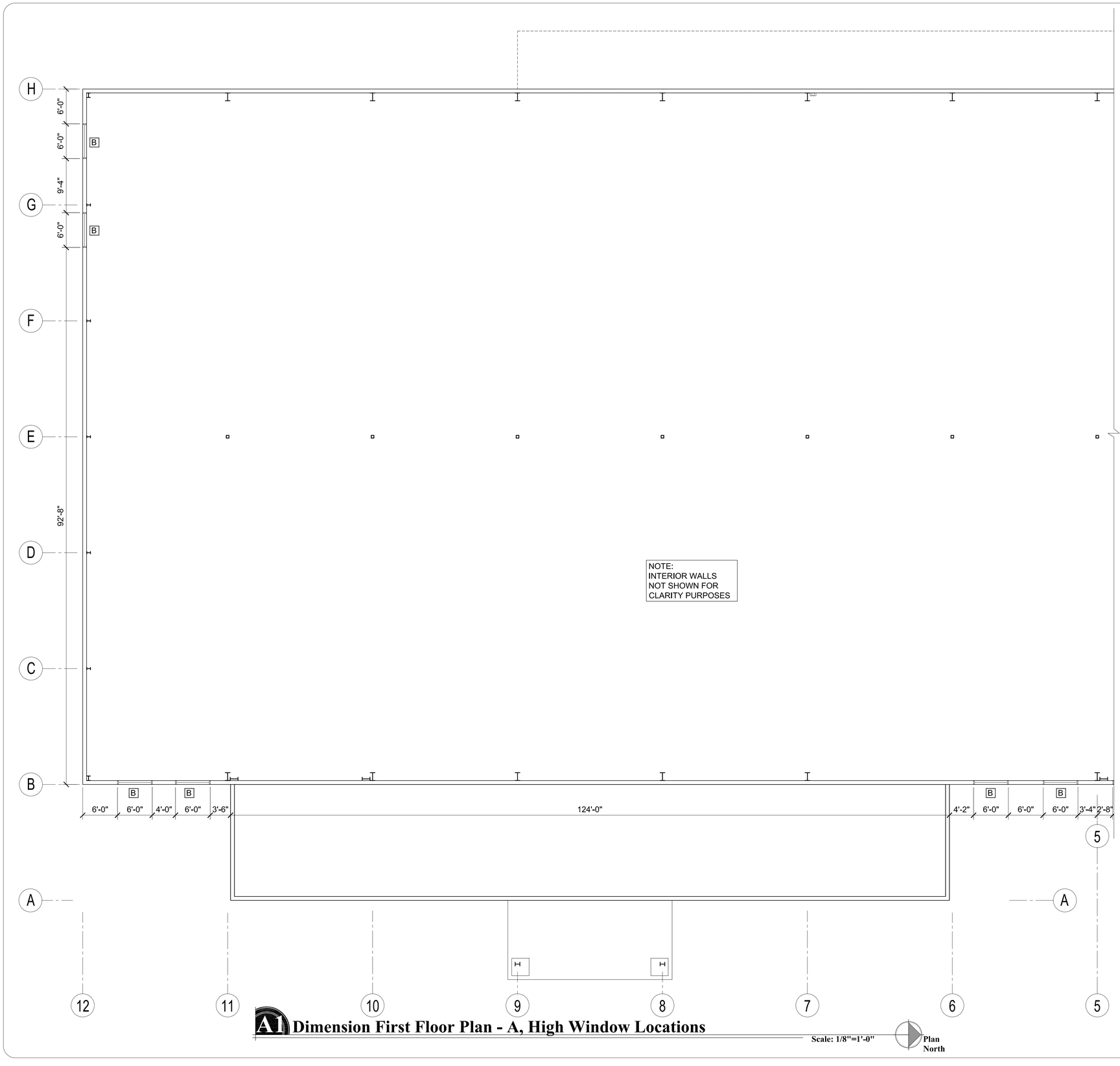
ARCHITECTURE & PLANNING

DRAWING: Dimension Plan A

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

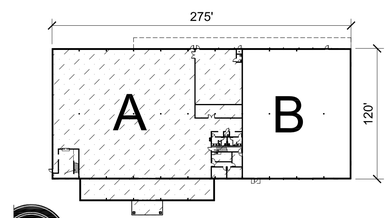
DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A2.2



A1 **Dimension First Floor Plan - A, High Window Locations**

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

Plan North



C1 **Key Plan**

Scale: n.t.s.

Plan North

May 30, 2020 - 3:29pm

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EXPIRES: 6/30/21

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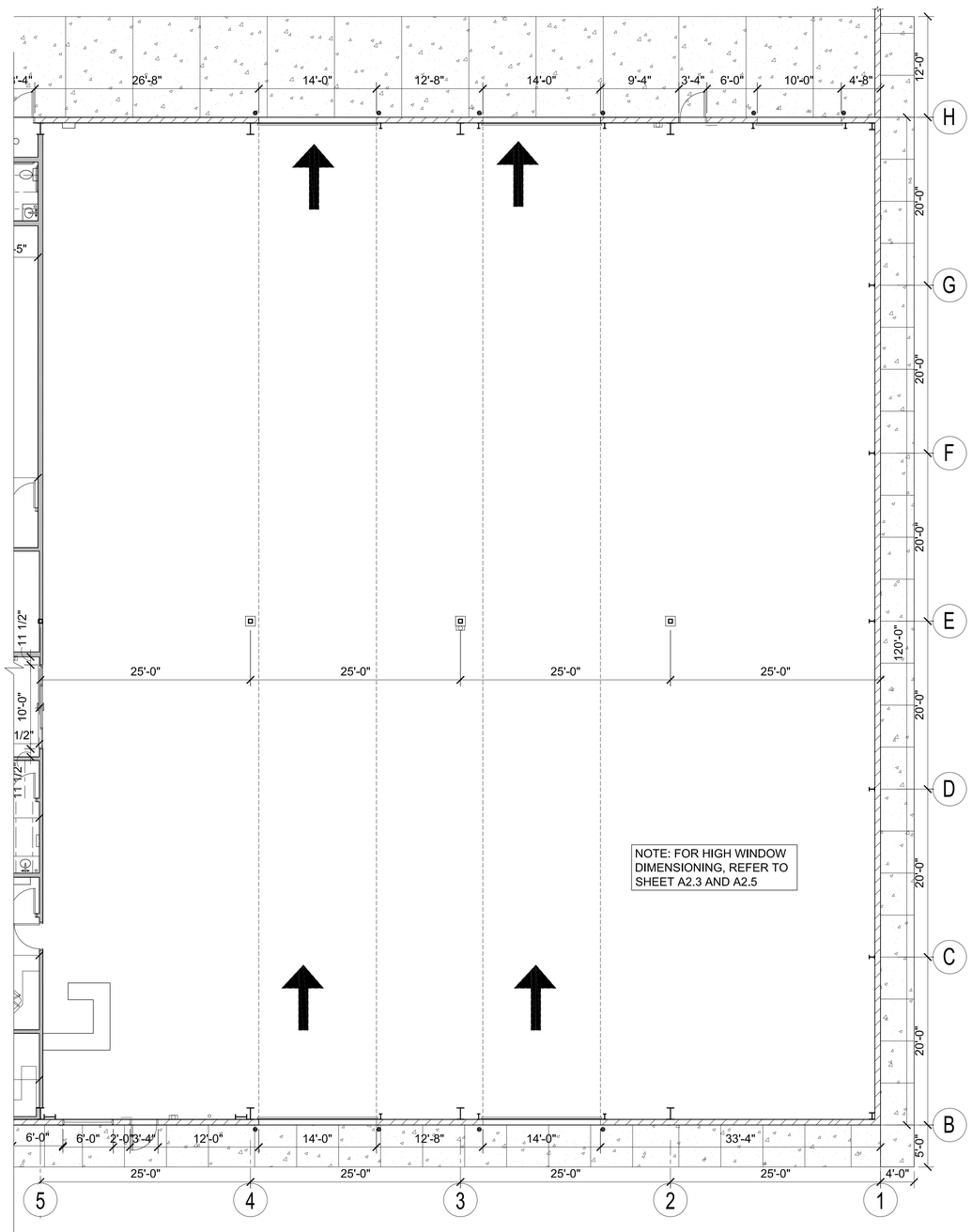
ARCHITECTURE & PLANNING

DRAWING: Dimension Plan A, High Window Locations & Types

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

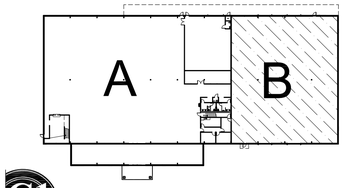
DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A2.3



A1 **Dimension First Floor Plan - B**

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

Plan North



C1 **Key Plan**

Scale: n.t.s.

Plan North

May 30, 2020 - 3:29pm

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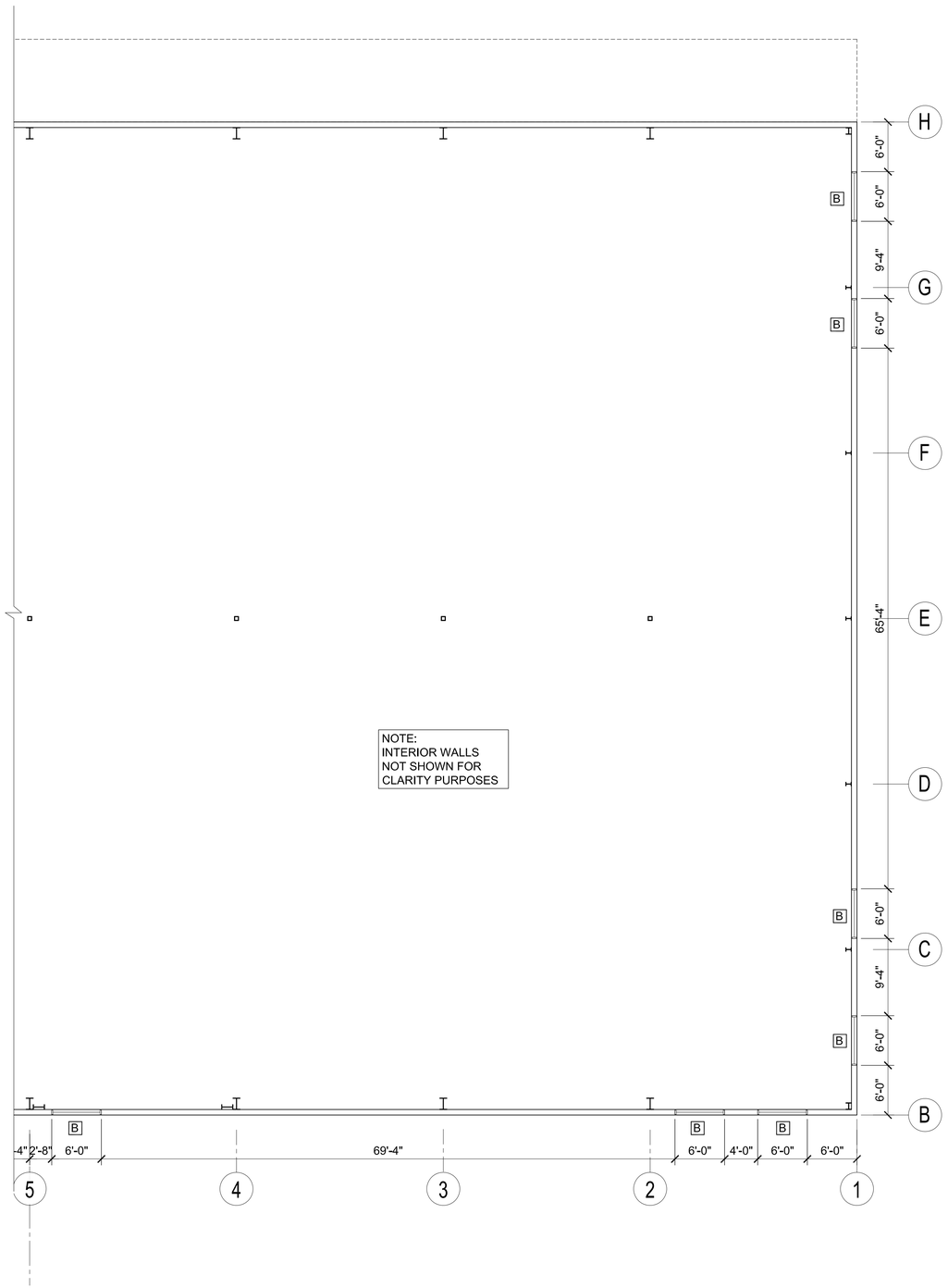
DRAWING: Dimension Plan B

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

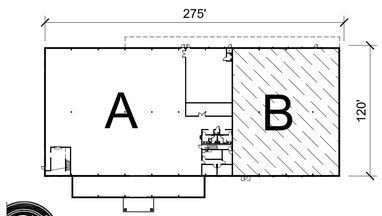
A2.4



A1 Dimension First Floor Plan - B, High Window Locations & Types

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

Plan North



C1 Key Plan

Scale: n.t.s.

Plan North

May 30, 2020 - 3:29pm

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EXPIRES: 6/30/21

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ARCHITECTURE & PLANNING

DRAWING: Dimension Plan B, High Window Locations & Types

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

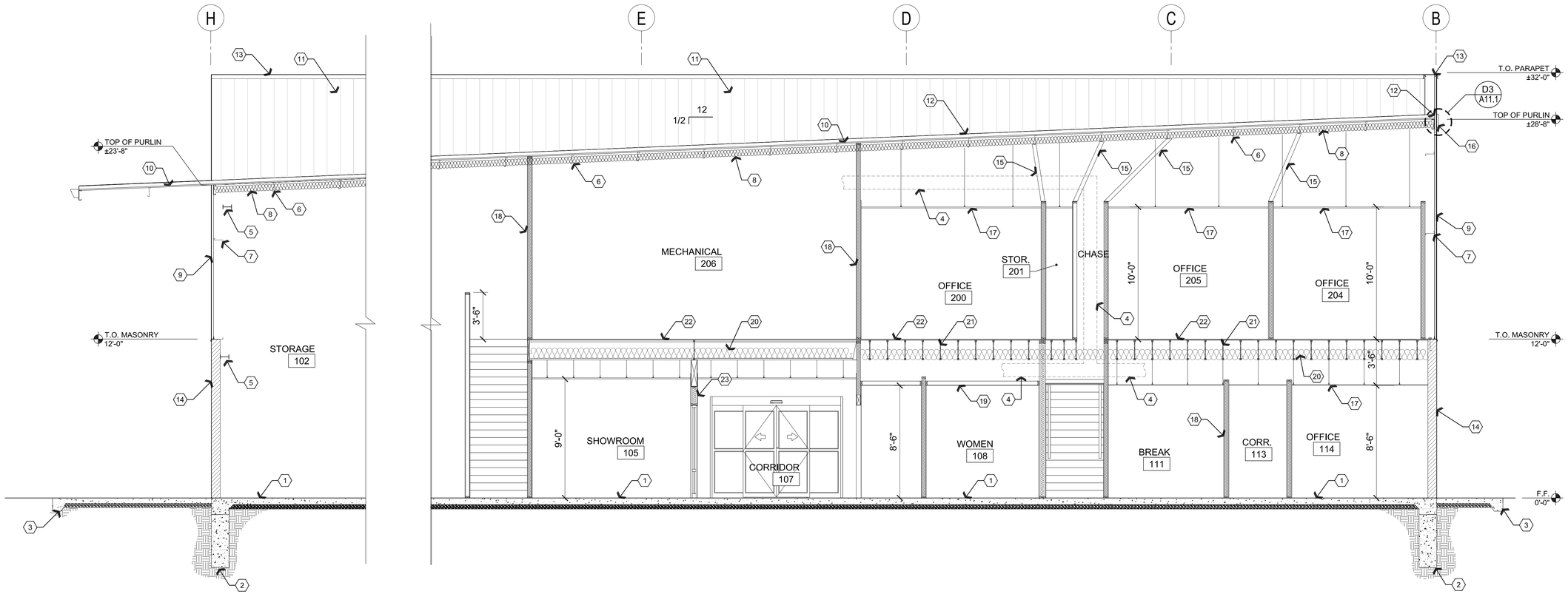
APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

A2.5

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 8" TURNDOWN AT CONCRETE SIDEWALK / SLAB. REFER TO ARCHITECTURAL SITE PLAN.
4. MECHANICAL DUCTWORK, REFER TO MECHANICAL PLANS.
5. PROVIDE STEEL BEAM. REFER TO STRUCTURAL PLANS.
6. PROVIDE ROOF PURLIN, TYPICAL. REFER TO STRUCTURAL PLANS.
7. PROVIDE STEEL GIRT, TYPICAL. REFER TO STRUCTURAL PLANS.
8. PROVIDE PROLINER ROOF INSULATION SYSTEM, REFER TO MATERIALS SCHEDULE. RI-1
9. PROVIDE INSULATED METAL PANELS, REFER TO WALL TYPES AND MATERIALS SCHEDULE. M-1
10. PROVIDE STANDING SEAM SHEET METAL ROOF PANELS. REFER TO MATERIALS SCHEDULE. M-2
11. PROVIDE SHEET METAL LINER PANEL ON INSIDE OF PARAPET, REFER TO MATERIALS SCHEDULE. M-7
12. PROVIDE SHEET METAL WALL TO ROOF FLASHING.
13. PROVIDE SHEET METAL PARAPET CAP, REFER TO MATERIALS SCHEDULE. M-6
14. PROVIDE 8"x8"x16" SPLIT FACE ONE SIDE CONCRETE MASONRY UNIT WALL, REFER TO STRUCTURAL PLANS. CMU-1
15. PROVIDE 2x LATERAL SUPPORT AT TOP OF WALL PARTITION @ 6'-0" O.C. MAXIMUM.
16. PROVIDE METAL ACCENT COLOR BAND, REFER TO MATERIALS SCHEDULE. M-10
17. SUSPENDED CEILING. REFER TO REFLECTED CEILING PLAN AND MATERIALS SCHEDULE. ACT-1
18. PROVIDE PARTITION WALL. REFER TO REFERENCE FLOOR PLAN AND WALL TYPES PLAN.
19. PROVIDE 5/8" GPDW CEILING, REFER TO REFLECTED CEILING PLAN.
20. PROVIDE R-19 UNFACED BATT INSULATION.
21. I FLOOR JOIST, REFER TO STRUCTURAL PLANS.
22. OSB SHEATHING, REFER TO STRUCTURAL PLANS.
23. PROVIDE 5/8" GPDW OVER OSB SHEATHING, REFER TO STRUCTURAL PLANS.



A1 Building Section

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

May 30, 2020 - 3:29pm

REVISIONS	BY

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON STATE OF ARIZONA Signed: 06/30/20 EXPIRES: 6/30/21

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ARCHITECTURE & PLANNING

DRAWING: Building Sections

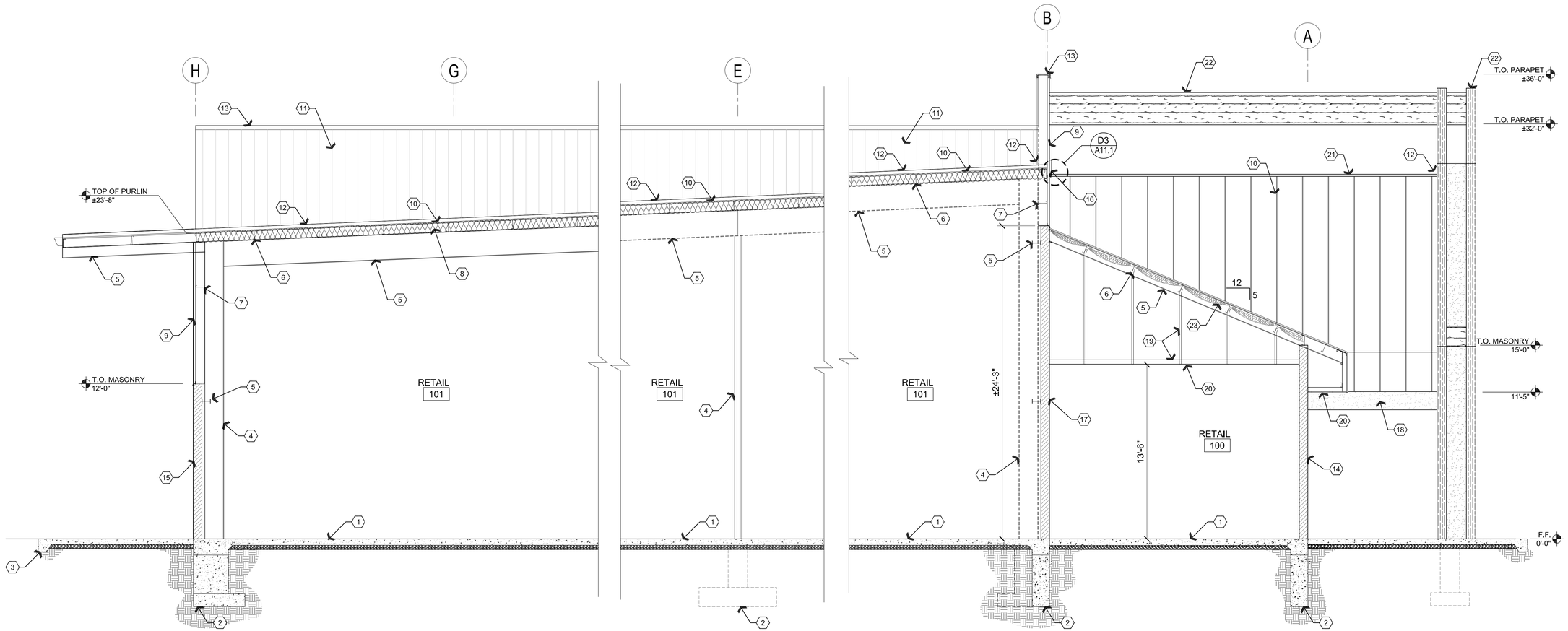
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A3.0

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 8" TURNDOWN AT CONCRETE SIDEWALK SLAB. REFER TO ARCHITECTURAL SITE PLAN.
4. PROVIDE STEEL COLUMN. REFER TO STRUCTURAL PLANS.
5. PROVIDE STEEL BEAM. REFER TO STRUCTURAL PLANS.
6. PROVIDE ROOF PURLIN, TYPICAL. REFER TO STRUCTURAL PLANS.
7. PROVIDE STEEL GIRT, TYPICAL. REFER TO STRUCTURAL PLANS.
8. PROVIDE PROLINER ROOF INSULATION SYSTEM, REFER TO MATERIALS SCHEDULE. RI-1
9. PROVIDE INSULATED METAL PANELS, REFER TO WALL TYPES AND MATERIALS SCHEDULE. M-1
10. PROVIDE STANDING SEAM SHEET METAL ROOF PANELS. REFER TO MATERIAL SCHEDULE. M-2 M-3
11. PROVIDE SHEET METAL LINER PANEL ON INSIDE OF PARAPET. M-7
12. PROVIDE SHEET METAL WALL TO ROOF FLASHING.
13. PROVIDE SHEET METAL PARAPET CAP. M-6
14. PROVIDE 8"x8"x16" SINGLE SCORE BOTH SIDES, CONCRETE MASONRY UNIT WALL, REFER TO STRUCTURAL PLANS. CMU-2
15. PROVIDE 12' HIGH 8"x8"x16" SPLIT FACE ONE SIDE, CMU, REFER TO STRUCTURAL PLANS. CMU-1
16. PROVIDE METAL ACCENT COLOR BAND. M-10
17. PROVIDE 8x8x16 SINGLE SCORE ONE SIDE CMU, REFER TO STRUCTURAL PLANS. CMU-2
18. SYNTHETIC PLASTER FINISH OVER METAL FRAMING, REFER TO SHEET A3.3.
19. PROVIDE METAL CEILING FRAMING SYSTEM, REFER TO TYPICAL DETAILS ON STRUCTURAL PLANS.
20. PROVIDE METAL CEILING PANEL, REFER TO MATERIALS SCHEDULE. M-8 M-9
21. PROVIDE SHEET METAL RIDGE CAP.
22. PROVIDE DECORATIVE GLU-LAM ENTRY GABLE, REFER TO STRUCTURAL PLANS.
23. PROVIDE R-19 VINYL BACKED BLANKET INSULATION.



A1 Building Section

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

May 30, 2020 - 3:30pm

REVISIONS | BY

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON Date Signed 06/30/20 ARIZONA EXPIRES: 6/30/21

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ARCHITECTURE & PLANNING

DRAWING: Building Sections

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

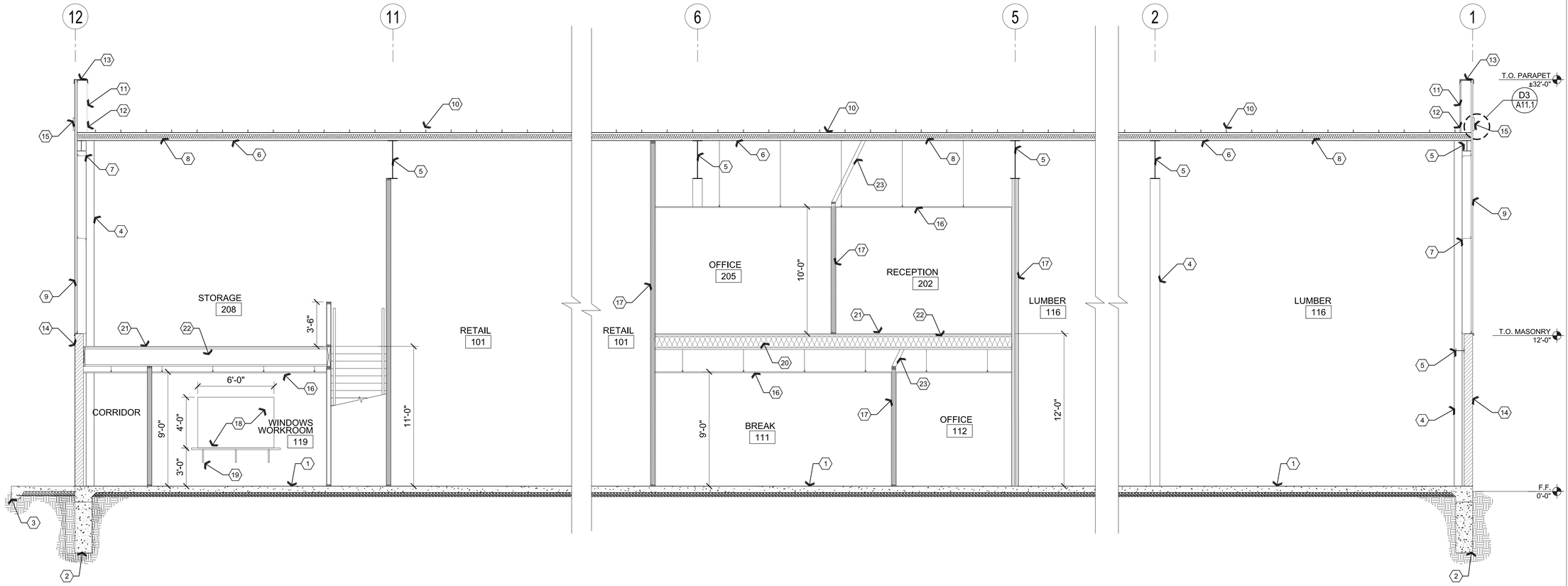
APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET

A3.1

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 8" TURNDOWN AT CONCRETE SIDEWALK SLAB. REFER TO ARCHITECTURAL SITE PLAN.
4. PROVIDE STEEL COLUMN. REFER TO STRUCTURAL PLANS.
5. PROVIDE STEEL BEAM. REFER TO STRUCTURAL PLANS.
6. PROVIDE ROOF PURLIN, TYPICAL. REFER TO STRUCTURAL PLANS.
7. PROVIDE STEEL GIRT, TYPICAL. REFER TO STRUCTURAL PLANS.
8. PROVIDE PROLINER ROOF INSULATION SYSTEM, REFER TO MATERIALS SCHEDULE. RI-1
9. PROVIDE INSULATED METAL PANELS, REFER TO WALL TYPES AND MATERIALS SCHEDULE. M-1
10. PROVIDE STANDING SEAM SHEET METAL ROOF PANELS. REFER TO MATERIAL SCHEDULE. M-2
11. PROVIDE SHEET METAL LINER PANEL ON INSIDE OF PARAPET. M-7
12. PROVIDE SHEET METAL WALL TO ROOF FLASHING.
13. PROVIDE SHEET METAL PARAPET CAP. M-6
14. PROVIDE 12' HIGH 8"x8"x16" SPLIT FACE ONE SIDE, CMU, REFER TO STRUCTURAL PLANS. CMU-1
15. PROVIDE ACCENT COLOR BAND. M-10
16. SUSPENDED CEILING. REFER TO REFLECTED CEILING PLAN. ACT-1
17. PROVIDE PARTITION WALL. REFER TO REFERENCE FLOOR PLAN AND WALL TYPES PLAN.
18. TRANSACTION OPENING WITH SOLID SURFACE COUNTERTOP, REFER TO A3/A7.1. SS-2
19. PROVIDE COUNTERTOP SUPPORT AS REQUIRED.
20. PROVIDE R-19 UNFACED BATT INSULATION.
21. OSB SHEATHING, REFER TO STRUCTURAL PLANS.
22. I FLOOR JOIST, REFER TO STRUCTURAL PLANS.
23. PROVIDE 2x LATERAL SUPPORT AT TOP OF WALL PARTITION @ 6'-0" O.C. MAXIMUM.



A1 Building Section

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

May 30, 2020 - 3:30pm

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON ARIZONA EXPIRES: 6/30/21 Date Signed 06/30/20

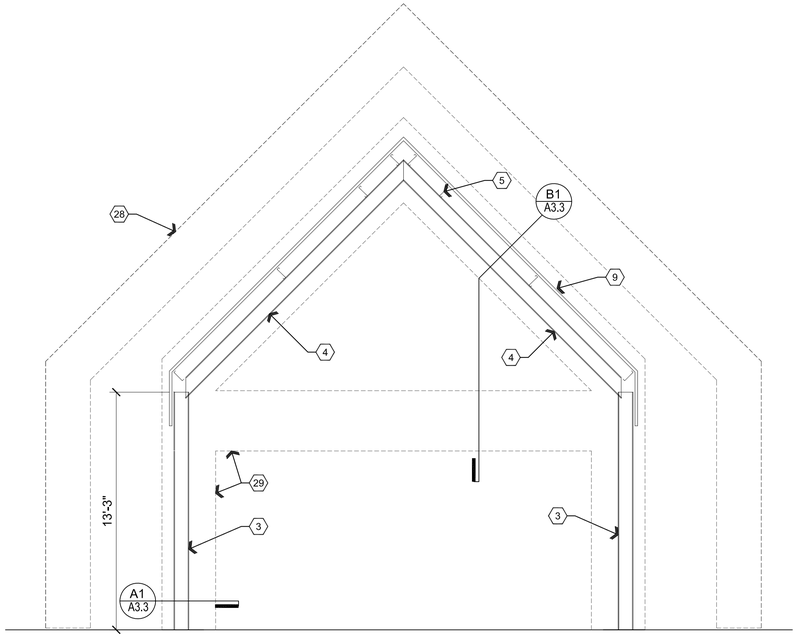
W. Alan Kenson & Associates, P.C.
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www.kenson-associates.com
ARCHITECTURE & PLANNING

DRAWING: Building Sections

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

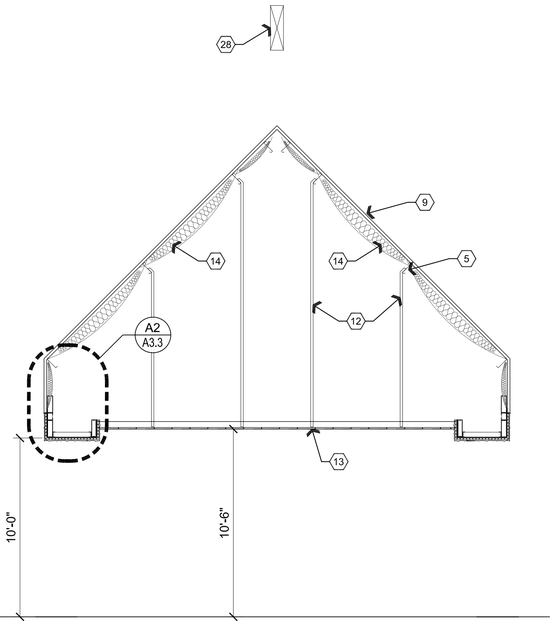
APN: 103-71-001F

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A3.2



C2 Structural Building Section

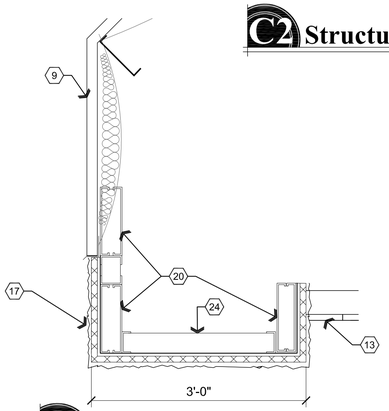
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B2 Building Section

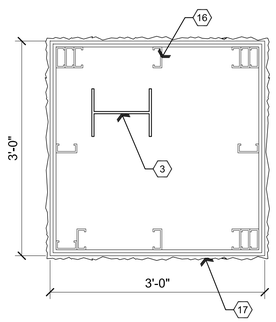
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B



A2 Section

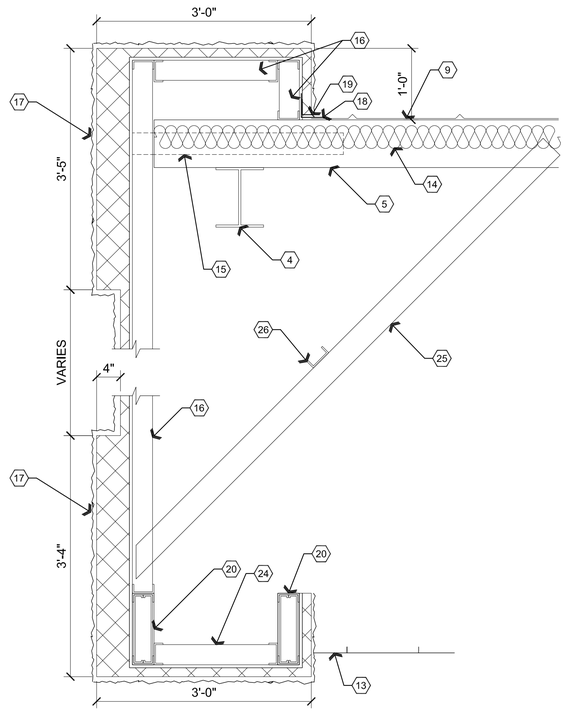
Scale: 1"=1'-0"



A1 Column Section

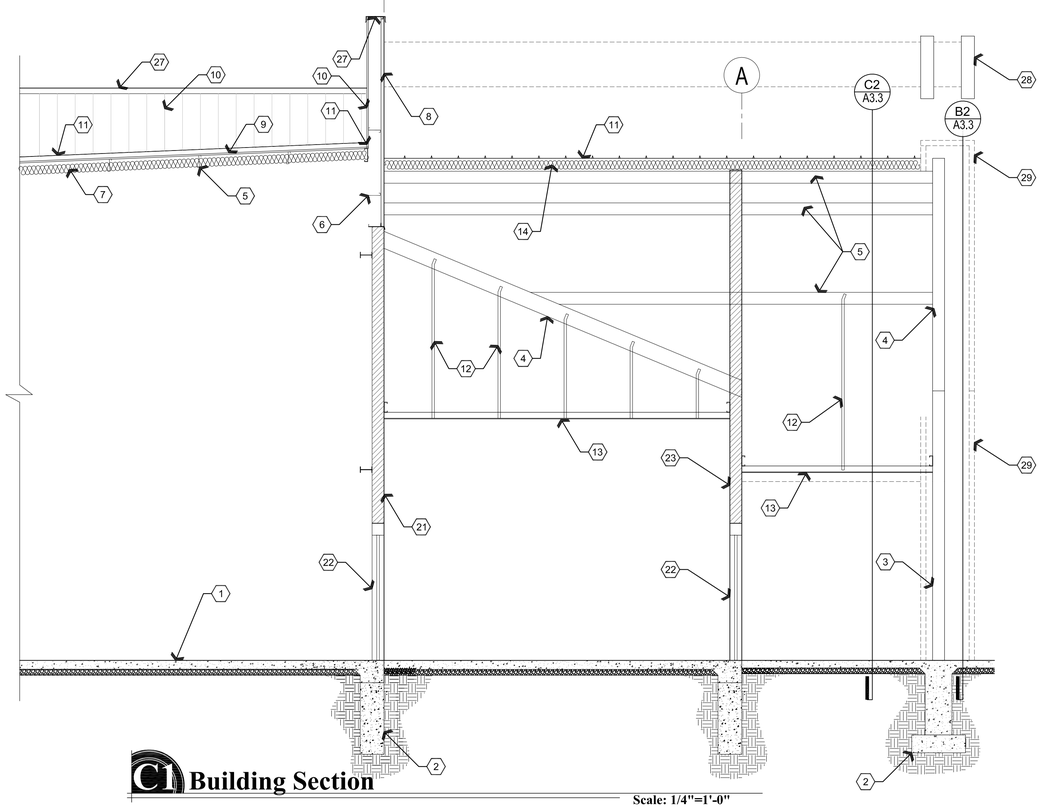
Scale: 1"=1'-0"

Plan North



B1 Section

Scale: 1"=1'-0"



C1 Building Section

Scale: 1/4"=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 COLUMN. REFER TO STRUCTURAL PLANS.
4. PROVIDE STEEL BEAM. REFER TO STRUCTURAL PLANS.
5. PROVIDE ROOF PURLIN, TYPICAL. REFER TO STRUCTURAL PLANS.
6. PROVIDE STEEL GIRT, TYPICAL. REFER TO STRUCTURAL PLANS.
7. PROVIDE PROLINER ROOF INSULATION SYSTEM. RI-1
8. PROVIDE INSULATED METAL PANELS, REFER TO WALL TYPES AND MATERIALS SCHEDULE. M-1
9. PROVIDE STANDING SEAM SHEET METAL ROOF PANELS. REFER TO MATERIAL SCHEDULE. M-2 M-3
10. PROVIDE SHEET METAL LINER PANEL ON INSIDE OF PARAPET. M-7
11. PROVIDE SHEET METAL WALL TO ROOF FLASHING.
12. PROVIDE METAL CEILING FRAMING SYSTEM, REFER TO TYPICAL DETAILS ON STRUCTURAL PLANS.
13. PROVIDE METAL CEILING PANEL, REFER TO MATERIALS SCHEDULE. M-8 M-9
14. PROVIDE R-19 VINYL BACKED BLANKET INSULATION.
15. 3-5/8, 18 GAUGE METAL STUD AT EACH PURLIN.
16. 3-5/8" 18 GAUGE METAL STUD FRAMING AT 1'-4" O.C.
17. INTEGRAL COLORED EIFS PLASTER OVER SMOOTH MORTAR SAND PLASTER OVER WEATHER PROOF BARRIER OVER POLYSTYRENE INSULATION OVER 1/2" SHEAR PANEL.
18. INTEGRAL COLORED ROOF TO WALL FLASHING.
19. WEEP SCREED.
20. 12", 14 GAUGE METAL BOX HEADER, REFER TO DETAIL D1/A11.1.
21. PROVIDE 8x8x16 SINGLE SCORE ONE SIDE CMU WALL, REFER TO STRUCTURAL PLANS. CMU-2
22. AUTOMATIC DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
23. PROVIDE 8x8x16 SINGLE SCORE BOTH SIDES CMU WALL, REFER TO STRUCTURAL PLANS. CMU-2
24. 3-5/8, 18 GAUGE METAL JOIST.
25. PROVIDE STEEL STUD DIAGONAL BRACE AT EACH PURLIN.
26. PROVIDE CONTINUOUS 3-5/8 STEEL STUD AT 6'-0" O.C. MAX.
27. PROVIDE PARAPET CAP, REFER TO ROOF PLAN. MATERIALS SCHEDULE. M-6
28. PROVIDE DECORATIVE GLU LAM ENTRY GABLE, REFER TO STRUCTURAL PLANS.
29. METAL STUD / STUCCO ENCLOSURE, REFER TO DETAILS.

REVISIONS	BY

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ARCHITECTURE & PLANNING

DRAWING: Building Sections

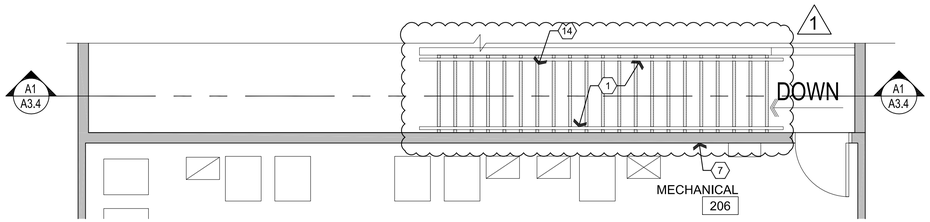
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

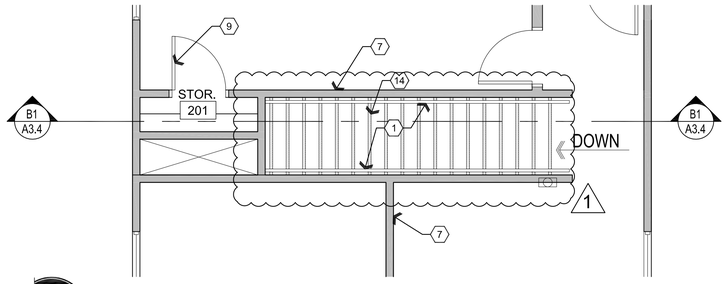
A3.3

May 30, 2020 - 3:30pm



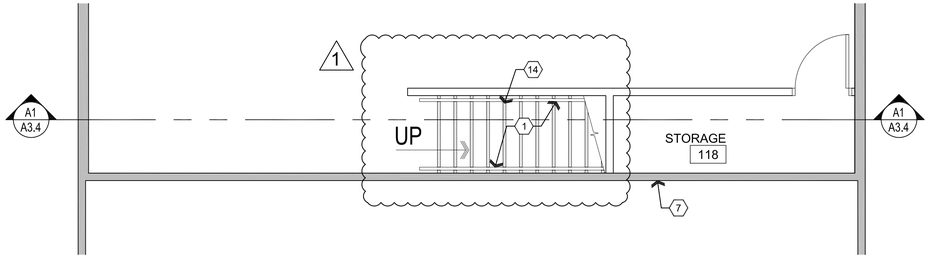
A3 Enlarged Stair Plan 2nd Floor

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



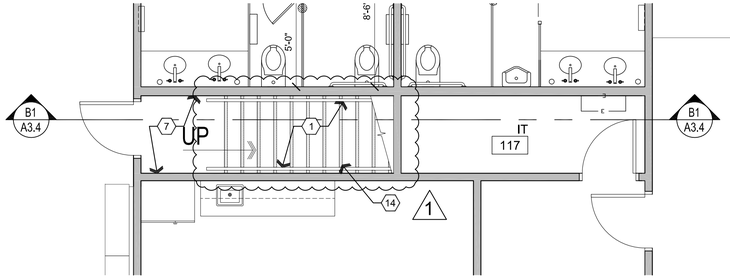
B3 Enlarged Stair Plan 2nd Floor

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



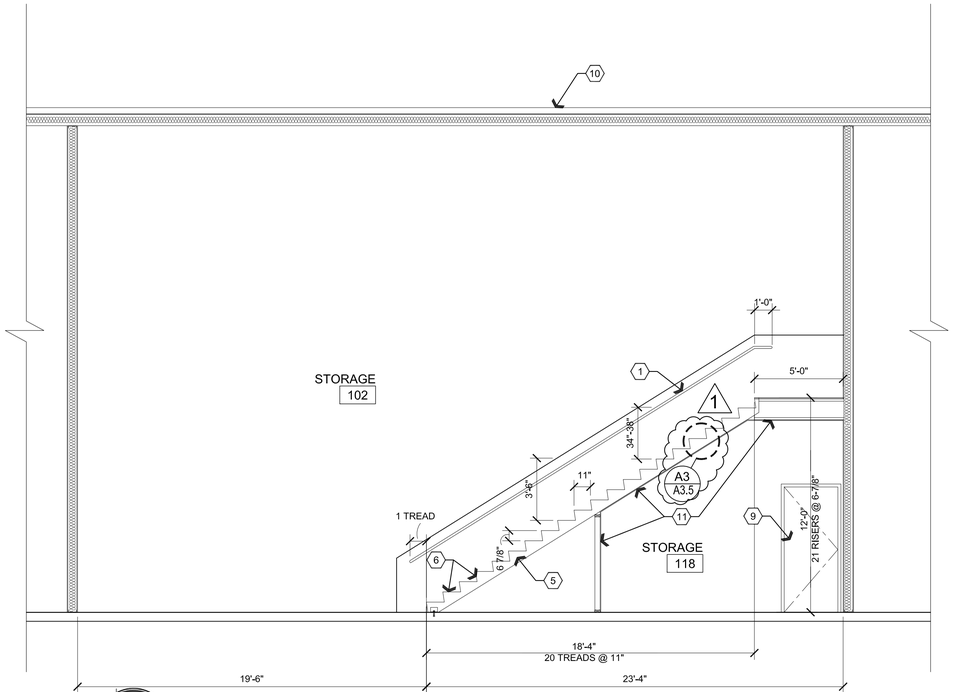
A2 Enlarged Stair Plan 1st Floor

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



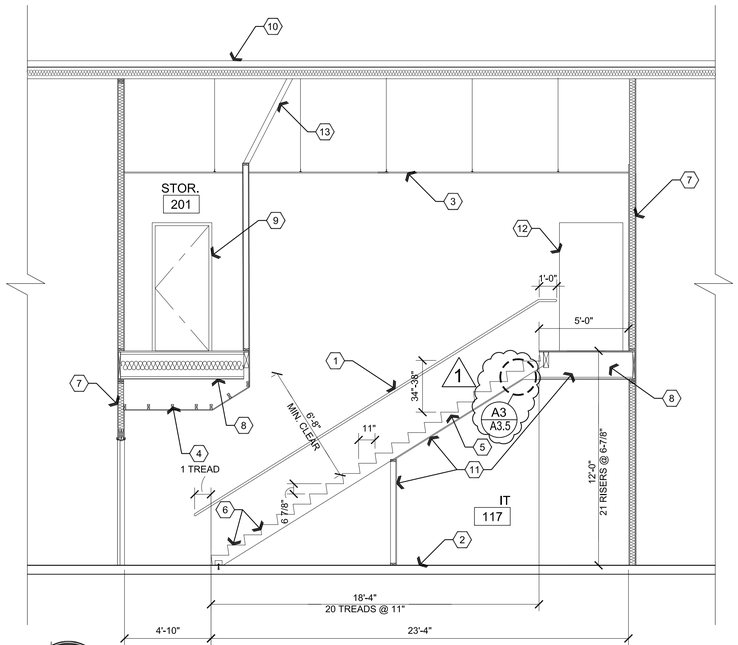
B2 Enlarged Stair Plan 1st Floor

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



A1 Stair Section

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



B1 Stair Section

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

Jul 10, 2020 - 9:13am

Descriptive Keynotes

1. 1-1/2" SCHEDULE 40 PAINTED PIPE STEEL HANDRAIL @ 36" ABOVE STAIR NOSING.
2. CONCRETE SLAB - REFER TO STRUCTURAL PLANS.
3. ACOUSTICAL PANEL CEILING - REFER TO REFLECTED CEILING PLANS.
4. 2x4 CEILING JOISTS @ 1'-4" O.C.
5. WOOD STRINGER - REFER TO STRUCTURAL PLANS.
6. WOOD TREAD / RISERS - REFER TO STRUCTURAL PLANS.
7. WALL - REFER TO WALL TYPES PLAN.
8. FLOOR JOIST, REFER TO STRUCTURAL PLANS.
9. PROVIDE DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR TYPES.
10. PROVIDE STANDING SEAM SHEET METAL ROOF PANELS. REFER TO MATERIAL SCHEDULE. M-2
11. PROVIDE 1 HOUR FIRE RATED WALL / CEILING, REFER TO WALL TYPES PLAN.
12. PROVIDE OPENING, REFER TO REFERENCE FLOOR PLAN.
13. PROVIDE 2x LATERAL SUPPORT AT TOP OF WALL PARTITION @ 6'-0" O.C. MAXIMUM.
14. TWO INCHES OF LEADING TREAD OF STAIRS SHALL HAVE A CONTRASTING COLOR STRIPING, TYPICAL. 1

REVISIONS	BY
1 TOPV COMMENTS 6-30-2020	LO

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON Date Signed 06/30/20 ARIZONA EXPIRES: 6/30/21

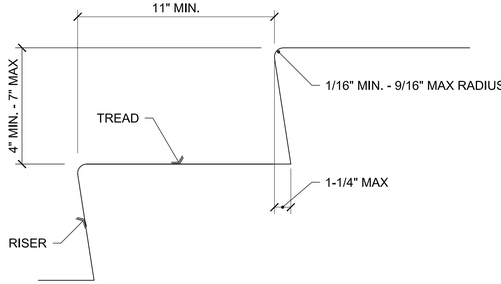
W. Alan Kenson & Associates, P.C.
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F 928-443-5815 Prescott, AZ 86304
email: waka@cableone.net
www.kenson-associates.com
ARCHITECTURE & PLANNING

DRAWING: Stair Section / Enlarged Plans

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

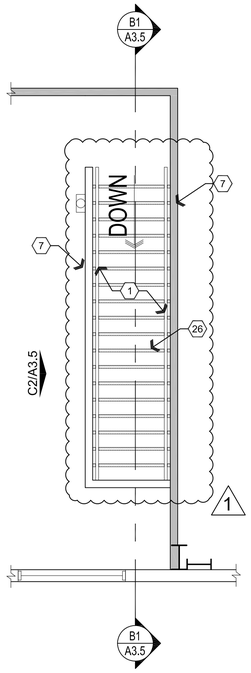
APN: 103-71-001F

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A3.4



A3 Stair Nosing Detail

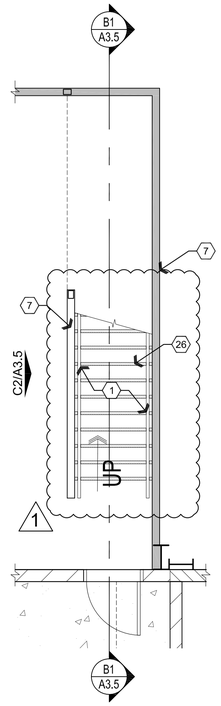
SCALE: 3" = 1'-0"



A2 Enlarged Stair Plan 2nd Floor

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

Plan North



B2 Enlarged Stair Plan 1st Floor

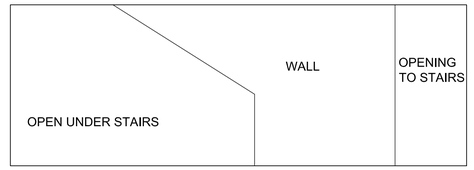
Scale: 1/4"=1'-0"

Plan North

Descriptive Keynotes

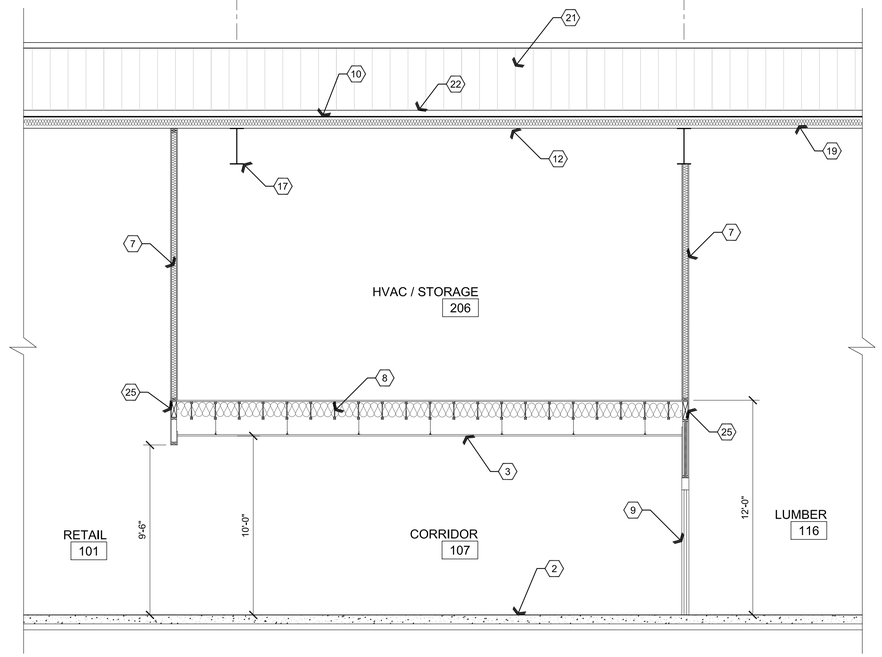
1. PROVIDE 1-1/2" SCHEDULE 40 PAINTED PIPE STEEL HANDRAIL @ 36" ABOVE STAIR NOSING.
2. CONCRETE SLAB - REFER TO STRUCTURAL PLANS.
3. PROVIDE SUSPENDED CEILING - REFER TO REFLECTED CEILING PLANS.
4. REFER TO STRUCTURAL PLANS FOR ATTACHMENT.
5. PROVIDE WOOD STRINGER - REFER TO STRUCTURAL PLANS.
6. PROVIDE WOOD TREAD / RISERS - REFER TO STRUCTURAL PLANS.
7. WALL - REFER TO WALL TYPES PLAN.
8. PROVIDE FLOOR JOIST, REFER TO STRUCTURAL PLANS.
9. PROVIDE DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR TYPES.
10. PROVIDE STANDING SEAM SHEET METAL ROOF PANELS. REFER TO MATERIAL SCHEDULE. M-2
11. PROVIDE PONY WALL, REFER TO WALL TYPES PLAN.
12. PROVIDE ROOF PURLIN, REFER TO STRUCTURAL PLANS.
13. EXTERIOR WALL, REFER TO WALL TYPES PLAN.
14. STORAGE AREA UNDER STAIRS.
15. PROVIDE R-19 UNFACED BATT INSULATION.
16. PROVIDE CONCRETE FOOTING. REFER TO STRUCTURAL PLANS.
17. PROVIDE STEEL BEAM. REFER TO STRUCTURAL PLANS.
18. PROVIDE STEEL GIRT, TYPICAL. REFER TO STRUCTURAL PLANS.
19. PROVIDE PROLINER ROOF INSULATION SYSTEM. RI-1
20. PROVIDE INSULATED METAL PANELS, REFER TO WALL TYPES AND MATERIALS SCHEDULE. M-1
21. PROVIDE SHEET METAL LINER PANEL ON INSIDE OF PARAPET. M-7
22. PROVIDE SHEET METAL WALL TO ROOF FLASHING.
23. 5/8" TYPE 'X' GPDW BELOW STAIR STRINGER AND ON STAIR WALLS.
24. FLOOR SHEATHING REFER TO STRUCTURAL PLANS.
25. PROVIDE BEAM, REFER TO STRUCTURAL PLANS.
26. TWO INCHES OF LEADING TREAD OF STAIRS SHALL HAVE A CONTRASTING COLOR STRIPING, TYPICAL.

1



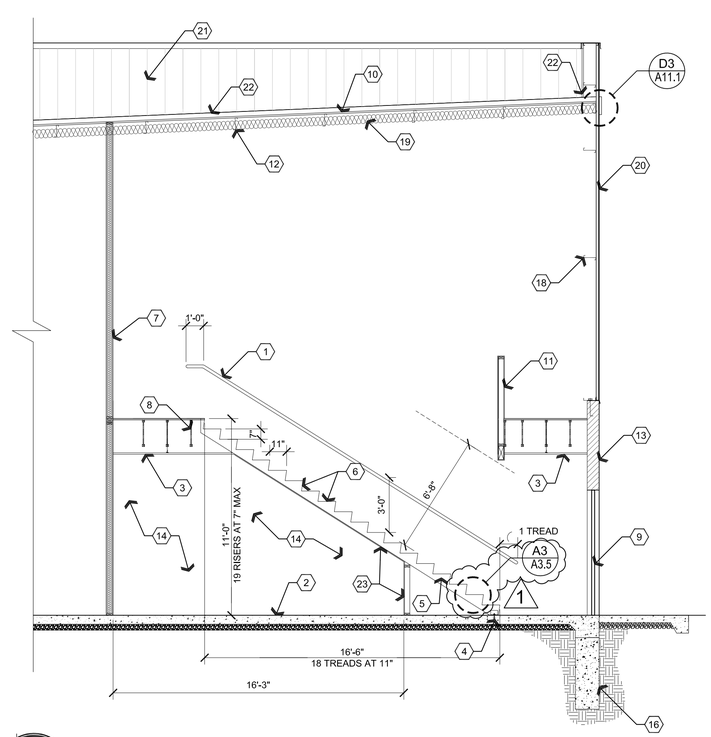
C2 Elevation

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



A1 Building Section

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



B1 Stair Section

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

REVISIONS		BY
1	TOPV COMMENTS 6-30-2020	LO

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ARCHITECTURE & PLANNING

DRAWING: Stair Section / Enlarged Plans

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

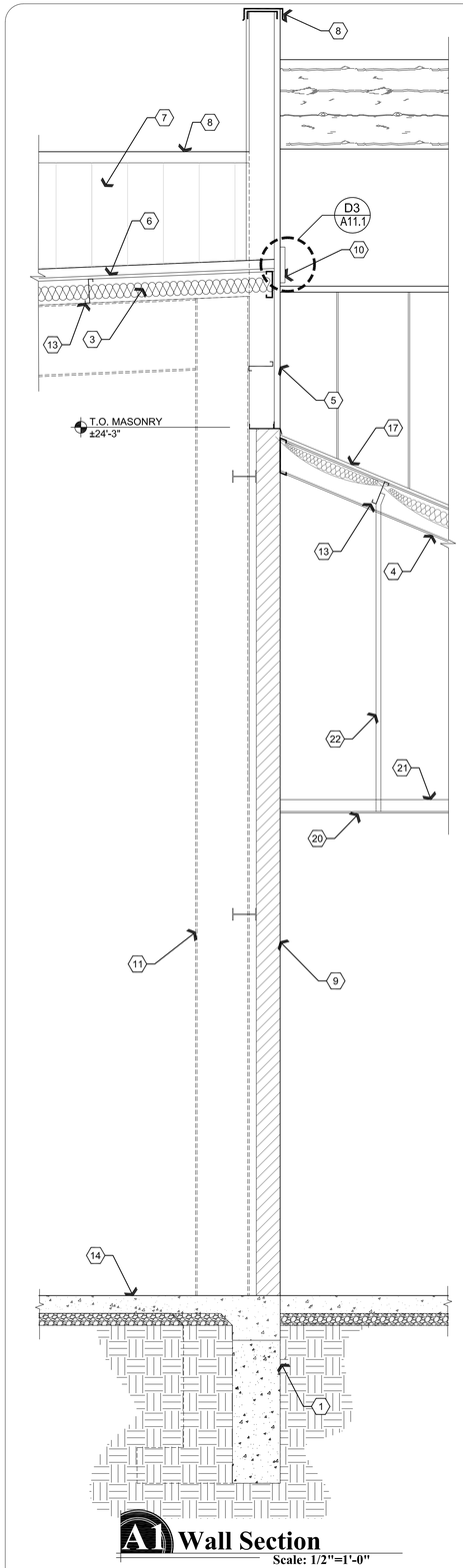
APN: 103-71-001F

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A3.5

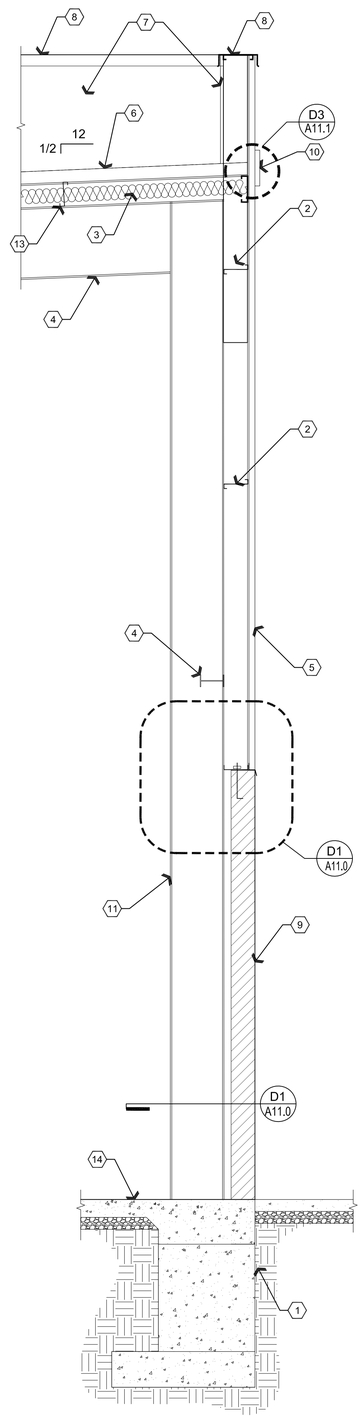
Jul 10, 2020 - 9:14am

Wall Types Legend

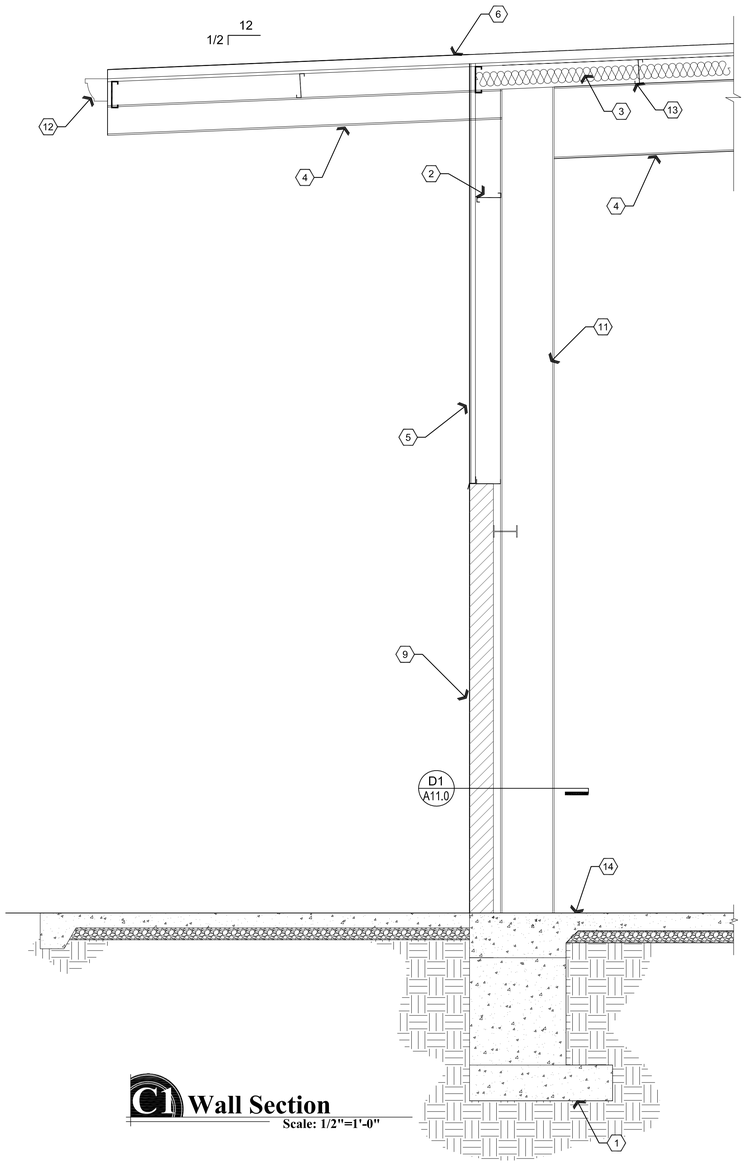
1. PROVIDE CONCRETE FOOTING. REFER TO STRUCTURAL PLANS.
2. PROVIDE STEEL GIRT, TYPICAL. REFER TO STRUCTURAL PLANS.
3. PROVIDE PROLINER ROOF INSULATION SYSTEM. RI-1
4. PROVIDE STEEL BEAM. REFER TO STRUCTURAL PLANS.
5. PROVIDE INSULATED METAL PANELS, REFER TO WALL TYPES AND MATERIALS SCHEDULE. M-1
6. PROVIDE STANDING SEAM SHEET METAL ROOF PANELS. REFER TO MATERIAL SCHEDULE. M-2 M-3
7. PROVIDE SHEET METAL LINER PANEL ON INSIDE OF PARAPET. REFER TO MATERIAL SCHEDULE. M-7
8. PROVIDE SHEET METAL PARAPET CAP. M-6
9. PROVIDE 8"x8"x16", SPLIT FACE ONE SIDE CONCRETE MASONRY UNIT. REFER TO STRUCTURAL PLANS. CMU-1
10. PROVIDE ACCENT COLOR BAND. M-10
11. PROVIDE STEEL COLUMN, REFER TO STRUCTURAL PLANS.
12. PROVIDE GUTTER, REFER TO MATERIALS SCHEDULE. M-5
13. PROVIDE ROOF PURLIN, REFER TO STRUCTURAL PLANS.
14. PROVIDE CONCRETE SLAB OVER COMPACTED A.B.C., REFER TO STRUCTURAL PLANS.
15. PROVIDE 8"x8"x16", SINGLE SCORE BOTH SIDES CONCRETE MASONRY UNIT. REFER TO CMU-1 STRUCTURAL PLANS.
16. PROVIDE METAL FRAMING, REFER TO STRUCTURAL PLANS.
17. PROVIDE STANDING SEAM METAL ROOF PANEL, REFER TO MATERIALS SCHEDULE. M-3
18. PROVIDE 1/2" CONTINUOUS HAT CHANNEL.
19. PROVIDE METAL SOFFIT PANEL, REFER TO MATERIALS SCHEDULE. M-9
20. PROVIDE METAL CEILING PANEL, REFER TO MATERIALS SCHEDULE. M-8
21. PROVIDE CEILING JOIST, REFER TO TYPICAL DETAIL ON STRUCTURAL PLANS.
22. PROVIDE CEILING JOIST SUPPORT, REFER TO TYPICAL DETAILS ON STRUCTURAL PLANS.
23. PROVIDE R-19 VINYL BACKED BLANKET INSULATION.



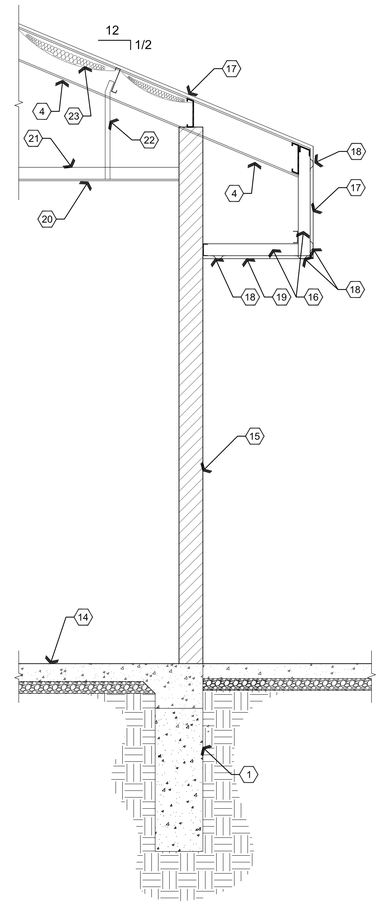
A1 Wall Section
Scale: 1/2"=1'-0"



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



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



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

May 30, 2020 - 3:31pm

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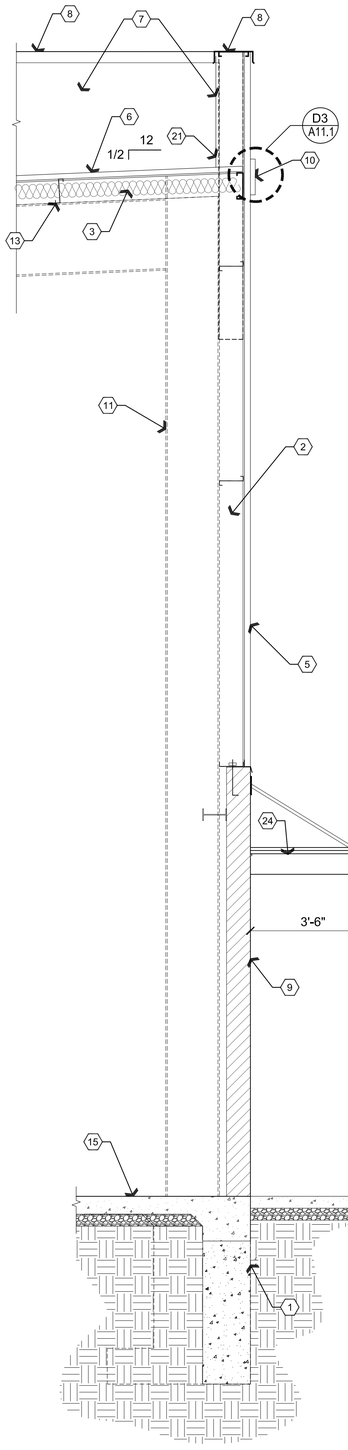
DRAWING: Wall Sections

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

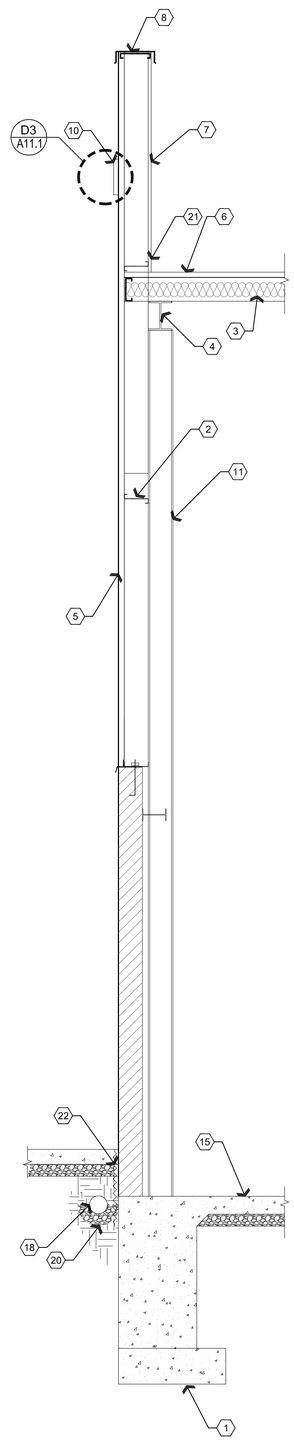
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

A3.6



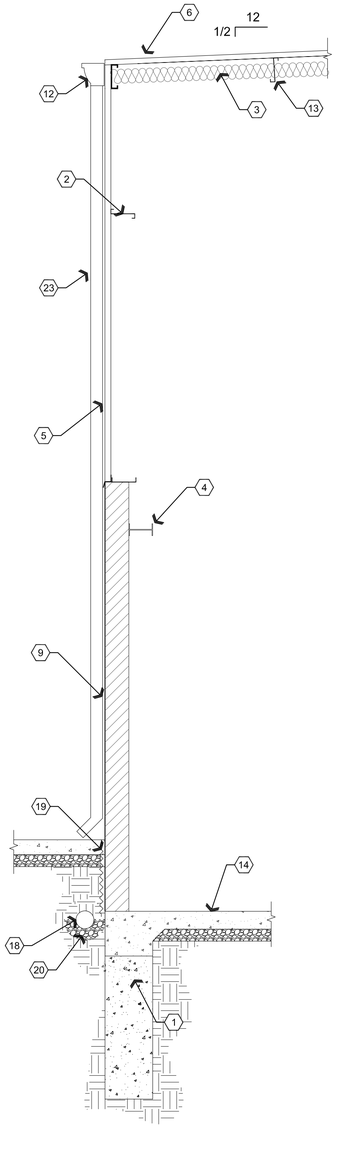
A1 Wall Section

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



B1 Wall Section

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

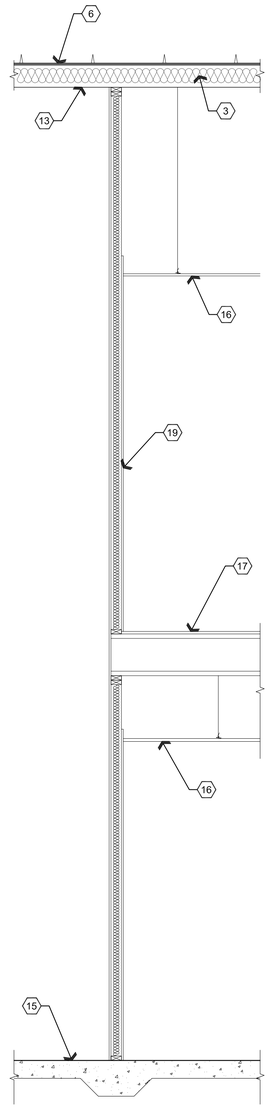


C1 Wall Section

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

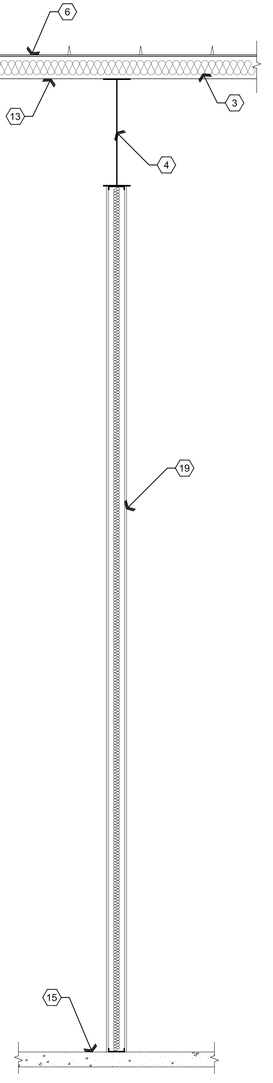
Wall Types Legend

1. PROVIDE CONCRETE FOOTING. REFER TO STRUCTURAL PLANS.
2. PROVIDE STEEL GIRT, TYPICAL. REFER TO STRUCTURAL PLANS.
3. PROVIDE PROLINER ROOF INSULATION SYSTEM. RI-1
4. PROVIDE STEEL BEAM. REFER TO STRUCTURAL PLANS.
5. PROVIDE INSULATED METAL PANELS, REFER TO WALL TYPES AND MATERIALS SCHEDULE. M-1
6. PROVIDE STANDING SEAM SHEET METAL ROOF PANELS. REFER TO MATERIAL SCHEDULE. M-2
7. PROVIDE SHEET METAL LINER PANEL ON INSIDE OF PARAPET. REFER TO MATERIAL SCHEDULE. M-7
8. PROVIDE SHEET METAL PARAPET CAP. M-6
9. PROVIDE 12'-0" HIGH, 8"x8"x16" SINGLE SCORE ONE SIDE CONCRETE MASONRY UNIT, REFER TO STRUCTURAL PLANS. CMU-2
10. PROVIDE ACCENT COLOR BAND. M-10
11. PROVIDE STEEL COLUMN. REFER TO STRUCTURAL PLANS.
12. PROVIDE GUTTER, REFER TO MATERIALS SCHEDULE. M-5
13. PROVIDE ROOF PURLIN, REFER TO STRUCTURAL PLANS.
14. PROVIDE AWNING, REFER TO STRUCTURAL PLANS.
15. PROVIDE CONCRETE SLAB OVER COMPACTED A.B.C., REFER TO STRUCTURAL PLANS.
16. SUSPENDED CEILING. REFER TO REFLECTED CEILING PLAN AND MATERIALS SCHEDULE. ACT-1
17. PROVIDE 3/4" SHEATHING, REFER TO STRUCTURAL PLANS.
18. PROVIDE 4" FRENCH DRAIN, REFER TO CIVIL PLANS.
19. PARTITION WALL, REFER TO WALL TYPES.
20. PROVIDE LEACH ROCK AT FRENCH DRAIN.
21. PROVIDE WALL TO ROOF SHEET METAL FLASHING.
22. PROVIDE WEATHERPROOF MEMBRANE.
23. PROVIDE SHEET METAL DOWNSPOUT, REFER TO MATERIALS SCHEDULE. M-4
24. PROVIDE PRE-FINISHED 8' DECK.



D1 Wall Section

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



E1 Wall Section

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

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ARCHITECTURE & PLANNING

DRAWING: Wall Sections

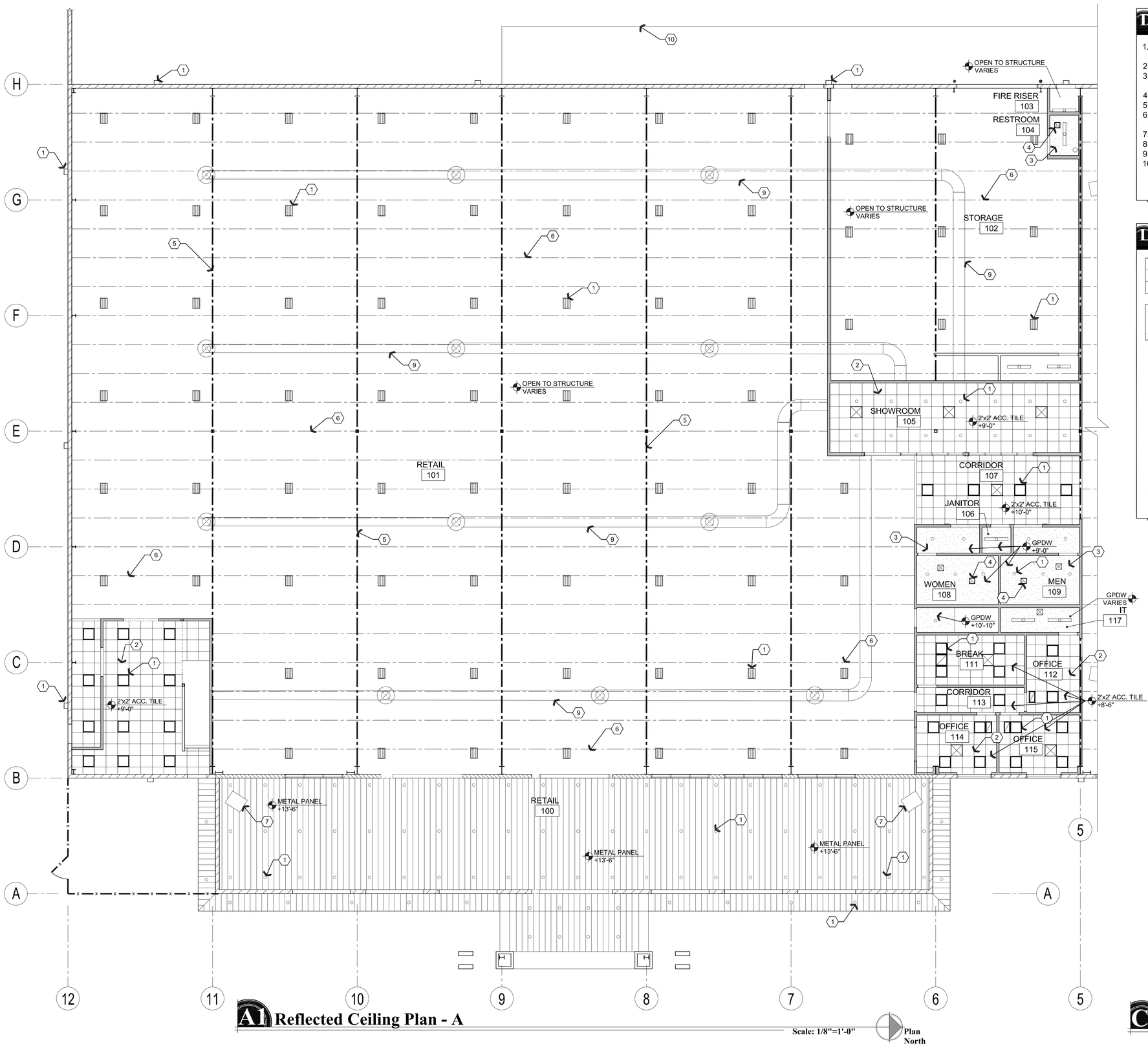
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

A3.7

May 30, 2020 - 3:31pm



A1 Reflected Ceiling Plan - A

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

Plan North

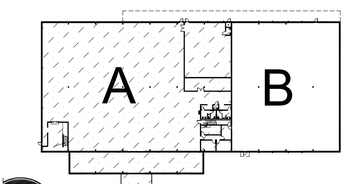
Descriptive Keynotes

1. LIGHT FIXTURE(S) SHOWN FOR QUANTITY AND LOCATION ONLY. REFER TO ELECTRICAL PLANS.
2. PROVIDE SUSPENDED ACOUSTIC PANEL CEILING. ACT-1
3. PROVIDE 5/8" GPDW CEILING ATTACHED TO CEILING JOISTS, REFER TO CEILING FRAMING PLAN.
4. EXHAUST FAN, REFER TO MECHANICAL PLANS, TYPICAL.
5. PROVIDE BEAM, REFER TO STRUCTURAL PLANS.
6. PROVIDE ROOF PURLIN, TYPICAL, REFER TO STRUCTURAL PLANS.
7. PROVIDE UNIT HEATER, REFER TO MECHANICAL PLANS.
8. PROVIDE HVAC SUPPLY VENT, REFER TO MECHANICAL PLANS.
9. MECHANICAL DUCTWORK, REFER TO MECHANICAL PLANS.
10. ROOF OVERHANG.

Legend:

- SUSPENDED 2'x2' ACOUSTIC PANEL CEILING ACT-1
- GPDW CEILING
- RECESSED CAN LIGHTING
- CEILING MOUNTED LIGHTING
- HIGH BAY LIGHTING
- GRID LIGHTING
- SUPPLY DIFFUSER
- RETURN AIR REGISTER
- EXHAUST FAN
- EXTERIOR LIGHT

REFER TO MECHANICAL AND ELECTRICAL PLANS



C1 Key Plan

Scale: n.t.s.

Plan North

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON STATE OF ARIZONA Signed 06/30/20 EXPIRES: 6/30/21

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ARCHITECTURE & PLANNING

DRAWING: Reflected Ceiling plans 'A'

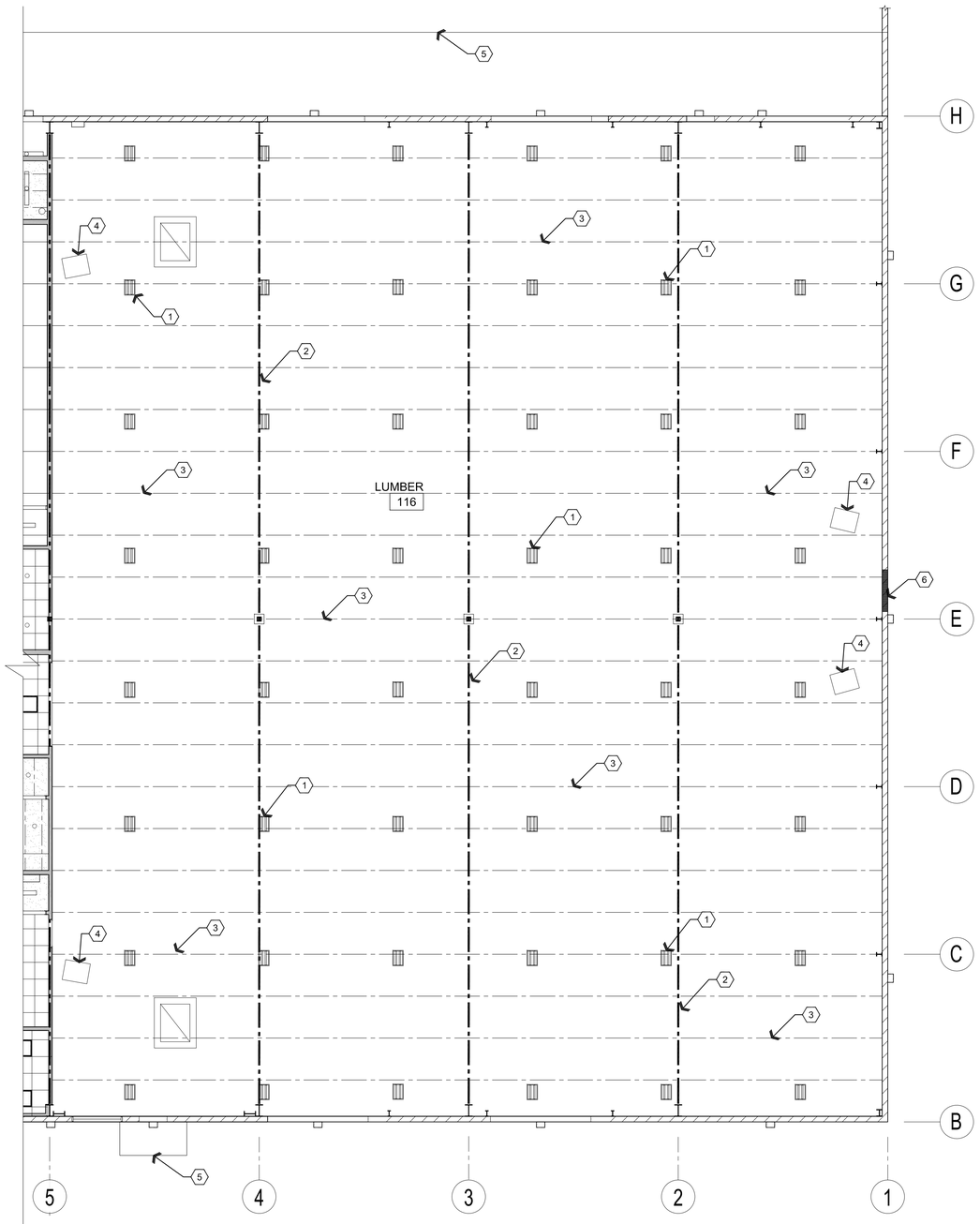
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

A4.0

May 30, 2020 - 3:32pm



B1 Reflected Ceiling Plan First Floor Plan - B

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

Plan North

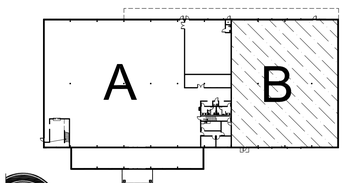
Descriptive Keynotes

1. LIGHT FIXTURE(S) SHOWN FOR QUANTITY AND LOCATION ONLY. REFER TO ELECTRICAL PLANS.
2. PROVIDE BEAM, REFER TO STRUCTURAL PLANS.
3. PROVIDE ROOF PURLIN, TYPICAL, REFER TO STRUCTURAL PLANS.
4. PROVIDE UNIT HEATER, REFER TO MECHANICAL PLANS.
5. ROOF OVERHANG.
6. INTAKE AIR LOUVER, REFER TO MECHANICAL PLANS.

Legend:

- SUSPENDED 2'x2' ACOUSTIC PANEL CEILING ACT-1
- GPDW CEILING
- RECESSED CAN LIGHTING
- CEILING MOUNTED LIGHTING
- HIGH BAY LIGHTING
- GRID LIGHTING
- SUPPLY DIFFUSER
- RETURN AIR REGISTER
- EXHAUST FAN
- EXTERIOR LIGHT

REFER TO MECHANICAL AND ELECTRICAL PLANS



C1 Key Plan

Scale: n.t.s.

Plan North

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ARCHITECTURE & PLANNING

DRAWING: Reflected Ceiling Plan 'B'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

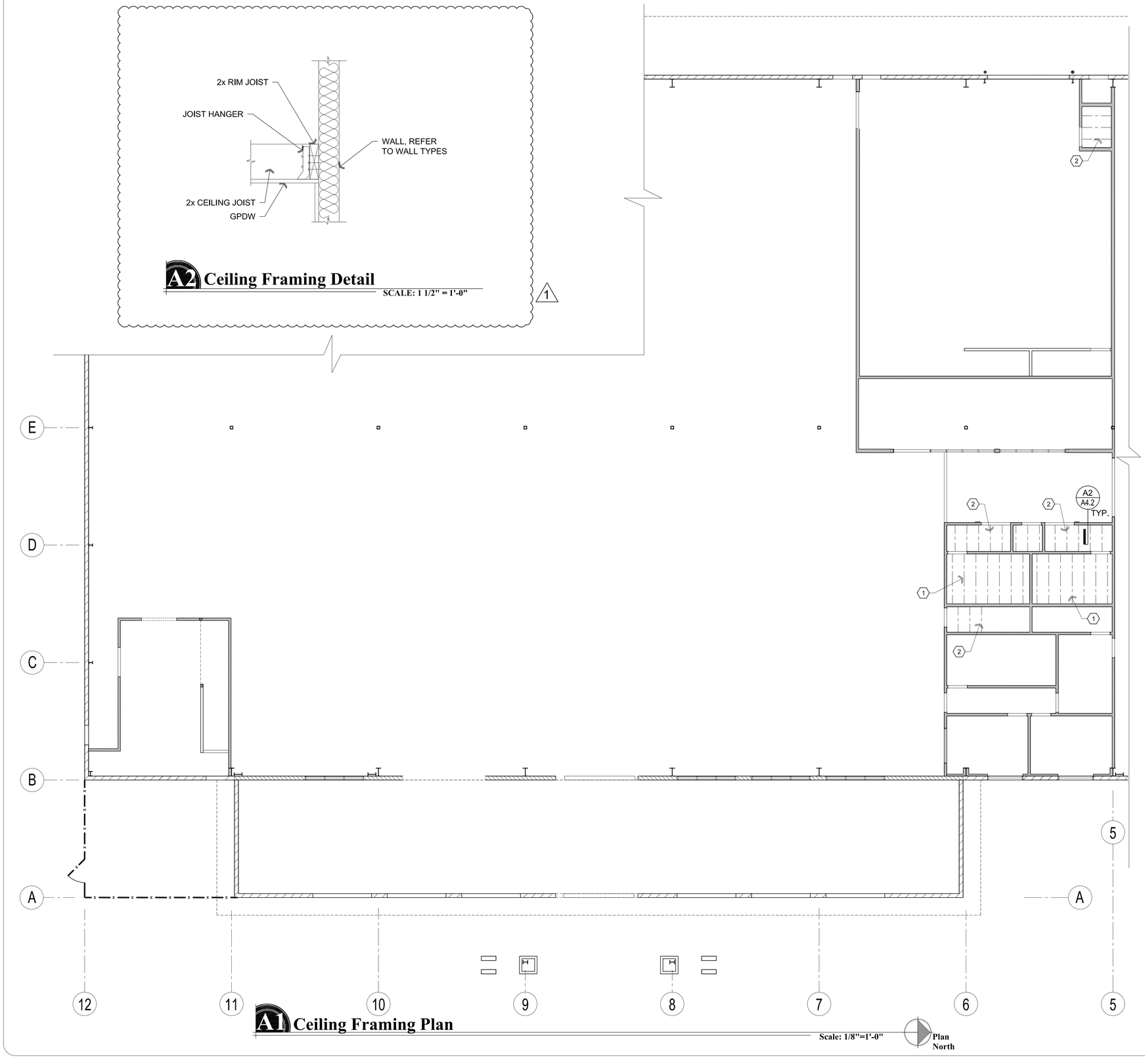
APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: **A4.1**

May 30, 2020 - 3:32pm

A2 Ceiling Framing Detail

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



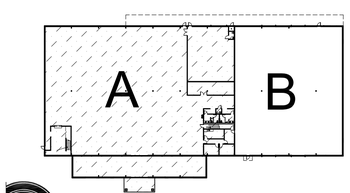
A1 Ceiling Framing Plan

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

Plan North

Descriptive Keynotes

1. PROVIDE 2x6 WOOD STUDS @ 2'-0" O.C.
2. PROVIDE 2x4 WOOD STUDS @ 2'-0" O.C.



C1 Key Plan

Scale: n.t.s.

Plan North

REVISIONS		BY
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ARCHITECTURE & PLANNING

DRAWING: Ceiling Framing Plan

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

A4.2

Jul 10, 2020 - 9:14am

Roof Drain Leader Sizes:

ROOF AREA : 32,658

4" RAINFALL = .0416 GPM

.0416 x 32,658 = 1359 GPM

1359 / 192 (3-1/2"x4")= 7.01 (1)

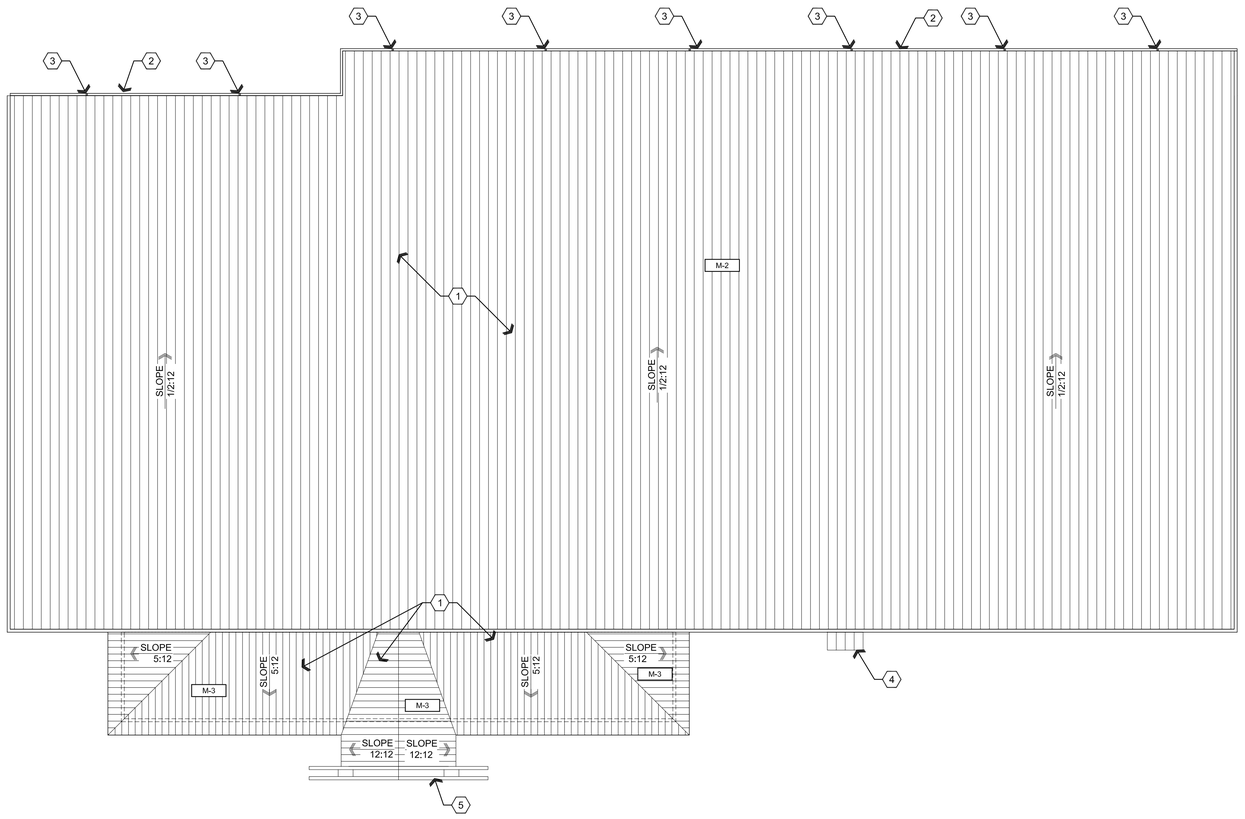
3-1/2" x 4" DOWNSPOUTS = 8 LEADERS REQUIRED

3" x 5" GUTTER REQUIRED WITH 1/2" SLOPE (225 GPM)

*PER 2018 IPC SECTION 1106 (TABLE 1106.3 &1106.6)

Descriptive Keynotes

1. PROVIDE STANDING SHEET METAL ROOF PANELS, REFER TO MATERIALS SCHEDULE. M-2 M-3
2. PROVIDE SHEET METAL GUTTER, REFER TO MATERIALS SCHEDULE AND ROOF LEADER SIZES ON THIS SHEET. M-5
3. PROVIDE SHEET METAL DOWNSPOUT, REFER TO MATERIAL SCHEDULE AND ROOF LEADER SIZES ON THIS SHEET. M-4
4. PROVIDE METAL AWNING SYSTEM, 'B' DECK, REFER TO STRUCTURAL PLANS.
5. PROVIDE DECORATIVE GLU LAM ENTRY GABLE, REFER TO STRUCTURAL PLANS.



A1 Roof Plan

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

Plan North

REVISIONS | BY
1 TOPV COMMENTS 6-30-2020 | LO

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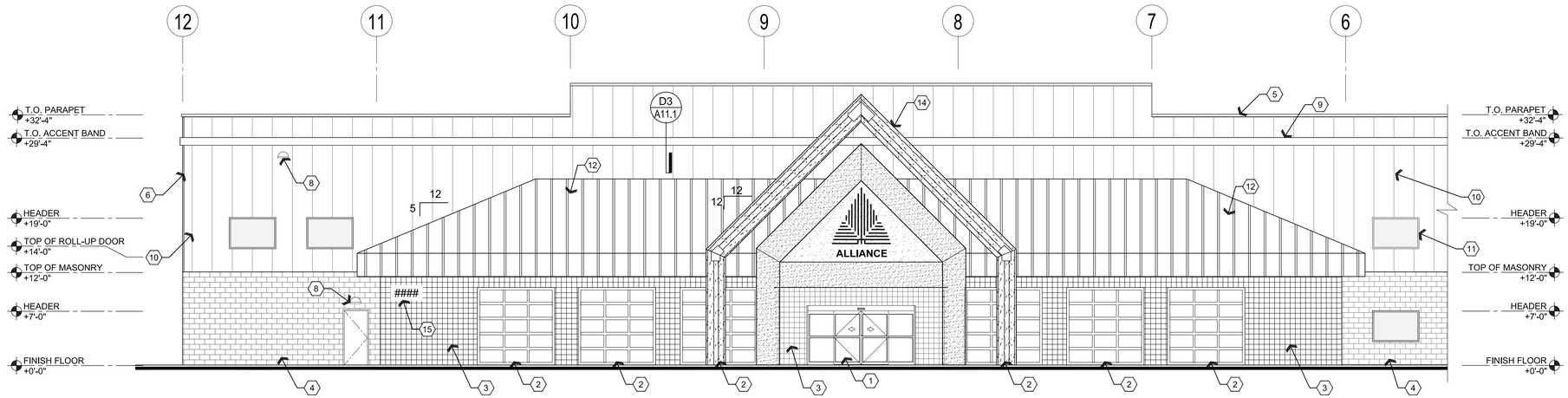
DRAWING: Roof Plan

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

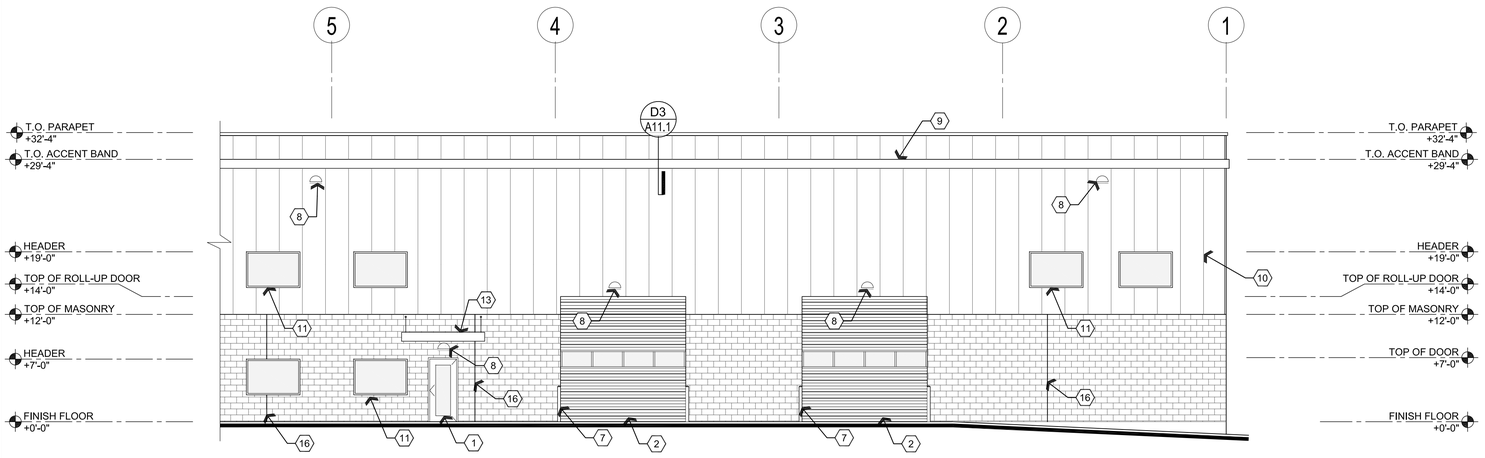
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: A5.0

Jul 10, 2020 - 9:15am



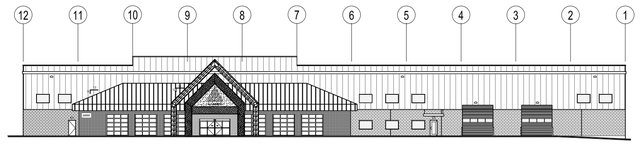
A2 East Elevation - South end

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



A1 East Elevation - North end

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



B1 Key Plan

Scale: n.t.s.

Descriptive Keynotes

1. PROVIDE DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
2. PROVIDE SECTIONAL OVERHEAD DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
3. PROVIDE 8"x8"x16" SINGLE SCORE, BOTH SIDES CMU WITH RAKED JOINTS, REFER TO STRUCTURAL PLANS. CMU-2
4. PROVIDE 8"x8"x16", SPLIT FACE ONE SIDE CMU, REFER TO STRUCTURAL PLANS. CMU-1
5. PROVIDE SHEET METAL PARAPET CAP, REFER TO MATERIALS SCHEDULE. M-6
6. PROVIDE SHEET METAL CORNER TRIM, REFER TO MATERIALS SCHEDULE. M-11
7. PROVIDE 4" STEEL CONCRETE FILLED BOLLARDS, 4'-0" ABOVE CONCRETE WITH 2'-0" EMBEDDED INTO CONCRETE FOOTING BELOW, TYPICAL.
8. LIGHT FIXTURE, REFER TO ELECTRICAL PLANS.
9. PROVIDE ACCENT COLOR BAND. M-10
10. PROVIDE INSULATED METAL WALL PANEL. REFER TO , WALL TYPES PLAN AND MATERIALS SCHEDULE. M-1
11. EXTERIOR WINDOW. REFER TO REFERENCE FLOOR PLAN AND WINDOW TYPES.
12. PROVIDE 24 GAUGE SIGNATURE 200 LOKSEAM METAL ROOF PANEL AT METAL AWNING SYSTEM. M-3
13. PROVIDE 24 GAUGE SIGNATURE 200 'B' DECK AT ROOF AWNING, REFER TO STRUCTURAL PLANS.
14. PROVIDE DECORATIVE GLU LAM ENTRY GABLE, REFER TO STRUCTURAL PLANS.
15. PROVIDE ADDRESS NUMBERS AS REQUIRED BY CENTRAL ARIZONA FIRE & MEDICAL AUTHORITY AND THE TOWN OF PRESCOTT VALLEY.
16. MASONRY CONTROL JOINT, TYPICAL, REFER TO STRUCTURAL PLANS.

REVISIONS	BY

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON Date Signed 06/30/20 ARIZONA EXPIRES: 6/30/21

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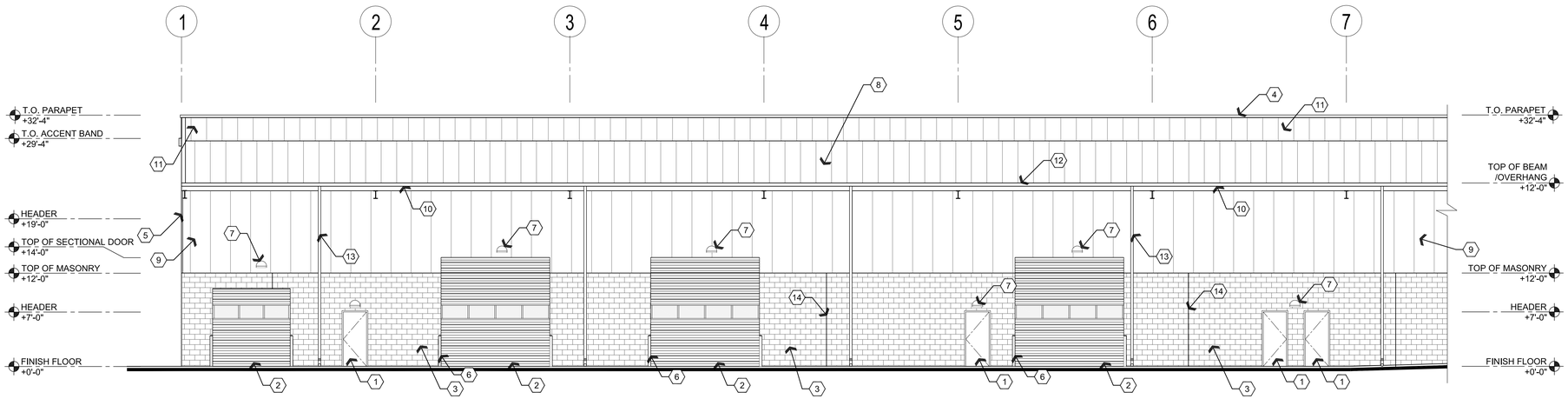
DRAWING: Elevations

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

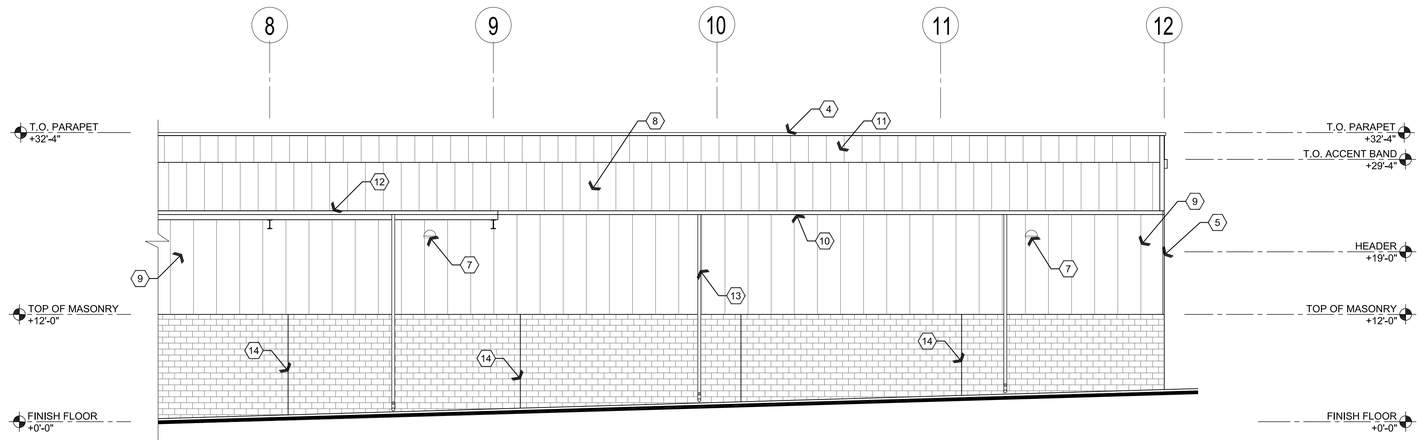
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CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A6.0

Jun 01, 2020 - 12:37pm



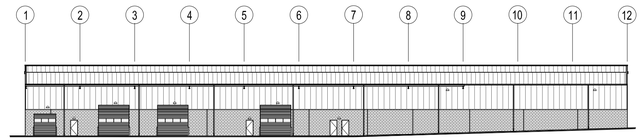
A2 West Elevation - North end

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



A1 West Elevation - South end

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



B1 Key Plan

Scale: n.t.s.

Descriptive Keynotes

1. PROVIDE DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
2. PROVIDE SECTIONAL OVERHEAD DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
3. PROVIDE 8"x8"x16", SPLIT FACE ONE SIDE CMU, REFER TO STRUCTURAL PLANS. CMU-1
4. PROVIDE SHEET METAL PARAPET CAP, REFER TO MATERIALS SCHEDULE. M-6
5. PROVIDE SHEET METAL CORNER TRIM, REFER TO MATERIALS SCHEDULE. M-11
6. PROVIDE 4" STEEL CONCRETE FILLED BOLLARDS, 4'-0" ABOVE CONCRETE WITH 2'-0" EMBEDDED INTO CONCRETE FOOTING BELOW, TYPICAL.
7. LIGHT FIXTURE, REFER TO ELECTRICAL PLANS.
8. PROVIDE STANDING SEAM ROOF PANELS, REFER TO MATERIALS SCHEDULE. M-2
9. PROVIDE INSULATED METAL WALL PANEL. REFER TO WALL TYPES PLAN AND MATERIALS SCHEDULE. M-1
10. PROVIDE GUTTER, REFER TO ROOF PLAN AND MATERIALS SCHEDULE. M-5
11. PROVIDE SHEET METAL LINER PANEL ON INSIDE OF PARAPET, REFER TO MATERIALS SCHEDULE. M-7
12. PROVIDE CANTILEVERED OVERHANG, REFER TO STRUCTURAL PLANS AND BUILDING SECTIONS.
13. PROVIDE DOWNSPOUT, REFER TO ROOF PLAN AND MATERIALS SCHEDULE. M-4
14. MASONRY CONTROL JOINT, TYPICAL, REFER TO STRUCTURAL PLANS.

REVISIONS	BY

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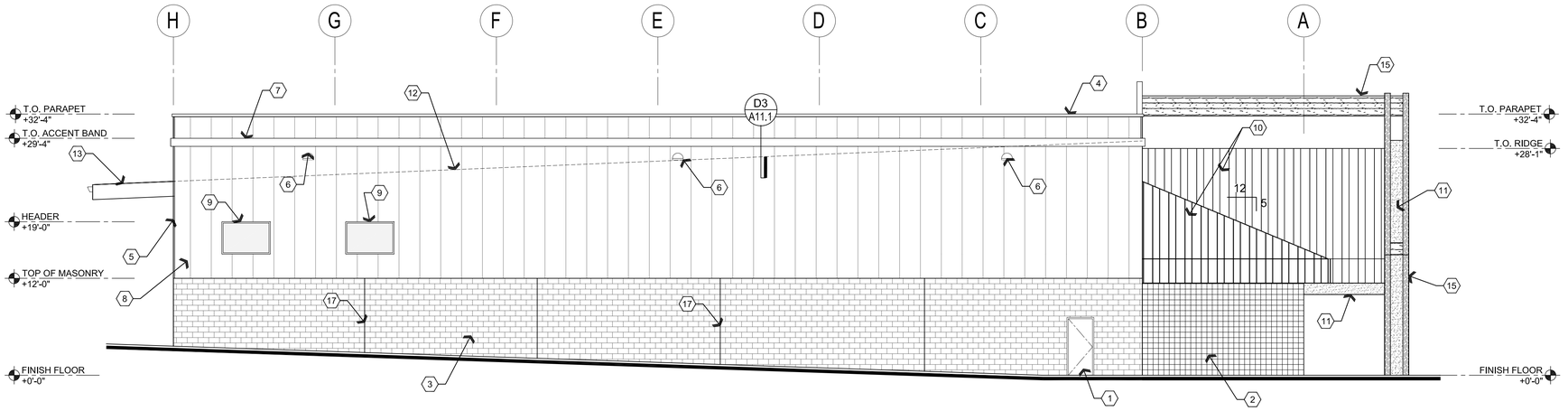
DRAWING: Elevations

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

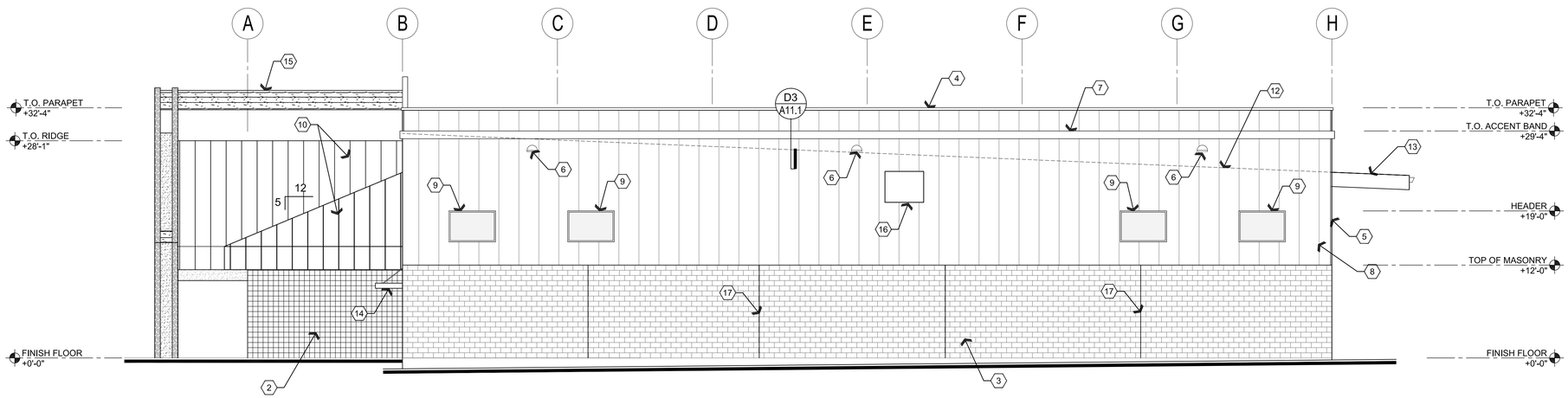
DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A6.1

May 30, 2020 - 3:33pm



A2 South Elevation

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



A1 North Elevation

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

Descriptive Keynotes

1. PROVIDE DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
2. PROVIDE 8"x8"x16" SINGLE SCORE, BOTH SIDES CMU WITH RAKED JOINTS, REFER TO STRUCTURAL PLANS. CMU-2
3. PROVIDE 8"x8"x16", SPLIT FACE ONE SIDE CMU, REFER TO STRUCTURAL PLANS. CMU-1
4. PROVIDE SHEET METAL PARAPET CAP, REFER TO MATERIALS SCHEDULE. M-6
5. PROVIDE SHEET METAL CORNER TRIM, REFER TO MATERIALS SCHEDULE. M-11
6. LIGHT FIXTURE, REFER TO ELECTRICAL PLANS.
7. PROVIDE ACCENT COLOR BAND. M-10
8. PROVIDE INSULATED METAL WALL PANEL. REFER TO WALL TYPES PLAN AND MATERIALS SCHEDULE. M-1
9. EXTERIOR WINDOW, REFER TO REFERENCE FLOOR PLAN AND WINDOW TYPES.
10. PROVIDE STANDING SEAM ROOF PANELS, REFER TO MATERIALS SCHEDULE. M-3
11. PROVIDE WESTERN ONE COAT STUCCO SYSTEM WITH SYNTHETIC INTEGRAL COLOR FINISH OVER POLYSTYRENE INSULATION OVER WEATHER PROOF BARRIER.
12. ROOF LINE.
13. PROVIDE CANTILEVERED OVERHANG, REFER TO STRUCTURAL PLANS AND BUILDING SECTIONS.
14. PROVIDE AWNING WITH 'B' DECK ROOF, REFER TO STRUCTURAL PLANS.
15. PROVIDE DECORATIVE GLU LAM ENTRY GABLE, REFER TO STRUCTURAL PLANS.
16. PROVIDE EXHAUST LOUVER, REFER TO MECHANICAL PLANS.
17. MASONRY CONTROL JOINT, TYPICAL, REFER TO STRUCTURAL PLANS.

REVISIONS	BY

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CERTIFICATE NO.
25646
W. ALAN KENSON
Date Signed 06/30/20
ARIZONA
EXPIRES: 6/30/21

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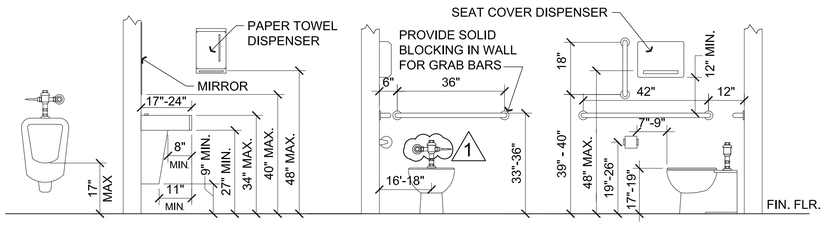
DRAWING: Elevations

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

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May 30, 2020 - 3:33pm



A3 Typical Fixture Mounting Heights

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

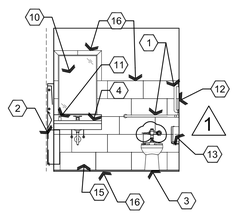
Toilet Accessory Schedule

CODE	FIXTURE	DESCRIPTION	MANUFACTURER	MODEL	COLOR
TA-1	HAND SOAP DISPENSER	COUNTER MOUNTED	BOBRICK	B8221	BRIGHT POLISHED
TA-2	PAPER TOWEL DISPENSER	RECESSED W/ TRASH	BOBRICK	B-3944	STAINLESS STEEL
TA-3	SANITARY NAPKIN RECEPTACLE	SURFACE MOUNTED	BOBRICK	B-35139	STAINLESS STEEL
TA-4	GRAB BARS 42", 36", 18"	1 1/4" DIAMETER	BOBRICK	B-5806	STAINLESS STEEL
TA-5	TOILET SEAT COVER DISPENSER	HALF FOLD	BOBRICK	B-221	STAINLESS STEEL
TA-6	TOILET PAPER DISPENSER	TWIN 10" JUMBO	BOBRICK	B-2892	STAINLESS STEEL
TA-7	TOILET PAPER DISPENSER (SINGLE USER RR)	SINGLE 10" JUMBO	BOBRICK	B-2890	STAINLESS STEEL
TA-8	TOILET PARTITION	POWDER COATED	METPAR		DESERT TAN #500

Descriptive Keynotes

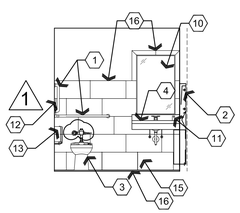
1. PROVIDE 1-1/2" DIAMETER GRAB BARS PER A.D.A. REQUIREMENTS, 42" LONG AT SIDE OF WATER CLOSET / 36" LONG AT REAR OF WATER CLOSET / 18" VERTICAL GRAB BAR, PROVIDE SOLID BLOCKING. REFER TO TOILET ACCESSORY SCHEDULE. TA-4
2. PROVIDE PAPER TOWEL DISPENSER, REFER TO TOILET ACCESSORY SCHEDULE. TA-2
3. PROVIDE FLOOR MOUNTED WATER CLOSET, REFER TO PLUMBING DRAWINGS.
4. PROVIDE INTEGRAL LAVATORY IN SOLID SURFACE COUNTERTOP, INSULATE PIPES, REFER TO PLUMBING DRAWINGS. SS-1
5. PROVIDE ACCESSIBILITY SIGNAGE MOUNTED PER A.D.A. REQUIREMENTS.
6. PROVIDE HEAD RAIL-BRACED TOILET PARTITION, REFER TO TOILET ACCESSORY SCHEDULE. TA-8
7. PROVIDE WALL HUNG URINAL, REFER TO PLUMBING PLANS.
8. PROVIDE FLOOR DRAIN, REFER TO PLUMBING PLANS.
9. PROVIDE 2"x2" FLOOR TO CEILING URINAL SCREEN POST.
10. PROVIDE 1/4" PLATE MIRROR.
11. PROVIDE SURFACE MOUNTED HAND SOAP DISPENSER, REFER TO TOILET ACCESSORY SCHEDULE. TA-1
12. PROVIDE SURFACE MOUNTED TOILET SEAT COVER DISPENSER, REFER TO TOILET ACCESSORY SCHEDULE. TA-5
13. PROVIDE TOILET PAPER DISPENSER, REFER TO TOILET ACCESSORY SCHEDULE. TA-6 TA-7
14. PROVIDE SANITARY NAPKIN RECEPTACLE, REFER TO TOILET ACCESSORY SCHEDULE. TA-3
15. PROVIDE CERAMIC TILE, REFER TO MATERIALS SCHEDULE. CT-2
16. PROVIDE SCHLUTER TRIM, REFER TO MATERIALS SCHEDULE.
17. PROVIDE HIGH / LOW DRINKING FOUNTAINS, REFER TO PLUMBING PLANS.
18. PROVIDE PLASTIC LAMINATE LOWER CABINETS. PL-1
19. PROVIDE SOLID SURFACE COUNTERTOP WITH 4" BACKSPLASH. SS-2
20. PROVIDE PLASTIC LAMINATE UPPER CABINET. PL-1
21. REFRIGERATOR BY OWNER.
22. PROVIDE MICROWAVE SHELF. PLATFORM BASE TO EXTEND 6" BEYOND FACE OF CABINETRY. (MICROWAVE SUPPLIED BY OWNER)
23. PROVIDE SINK AND FAUCET, REFER TO PLUMBING PLANS.
24. PROVIDE WATER HEATER, REFER TO PLUMBING PLANS.
25. SERVICE SINK, REFER TO PLUMBING PLANS.
26. OWNER TO PROVIDE COUNTERTOP MICROWAVE.

1



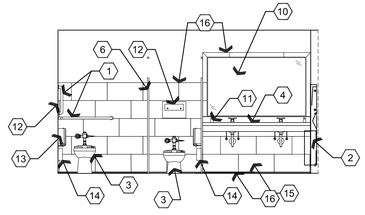
A2 South Elevation

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



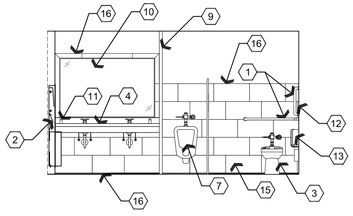
B2 North Elevation

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



C2 East Elevation

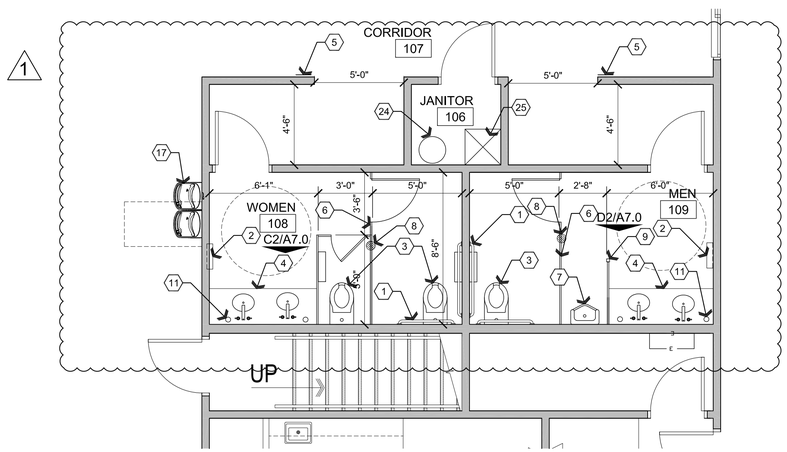
Scale: 1/4"=1'-0"



D2 East Elevation

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

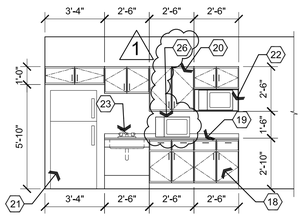
1



B1 Enlarged Plan

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

Plan North



D1 West Elevation

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

Jul 10, 2020 - 9:15am

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1 TOPV COMMENTS 6-30-2020	LO

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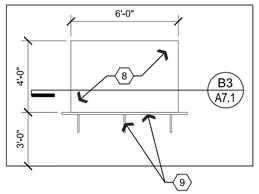
DRAWING: Interior Elevations

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

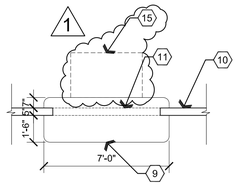
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET:

A7.0



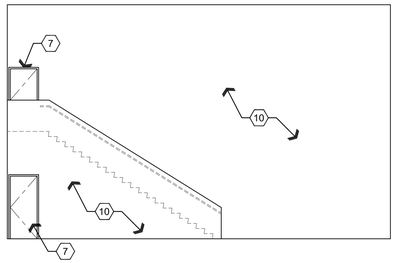
A3 Transaction Counter Elevation

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



B3 Transaction Counter Plan

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



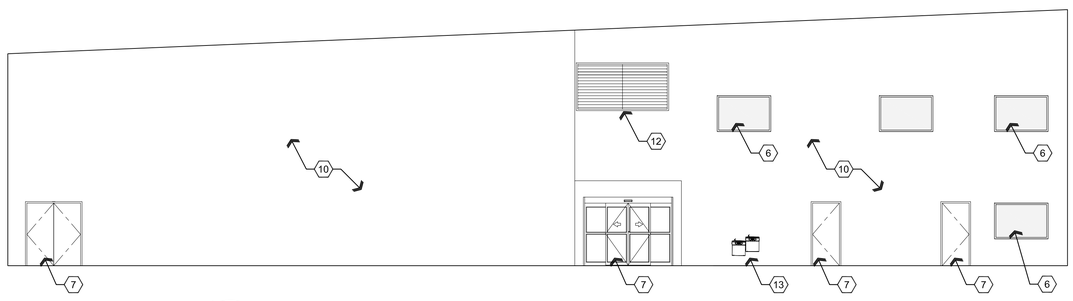
C3 East Elevation

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

Descriptive Keynotes

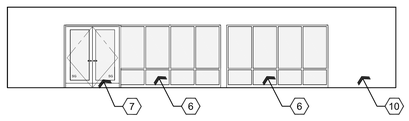
1. PROVIDE STEEL GIRT, TYPICAL. REFER TO STRUCTURAL PLANS.
2. PROVIDE STEEL BEAM. REFER TO STRUCTURAL PLANS.
3. PROVIDE INSULATED METAL PANELS, REFER TO WALL TYPES AND MATERIALS SCHEDULE. M-1
4. PROVIDE 8"x8"x16", SINGLE SCORE, ONE SIDE CONCRETE MASONRY UNIT. REFER TO STRUCTURAL PLANS. CMU-2
5. PROVIDE STEEL COLUMN. REFER TO STRUCTURAL PLANS.
6. PROVIDE STOREFRONT WINDOW, REFER TO WINDOW TYPES AND REFERENCE FLOOR PLAN.
7. PROVIDE DOOR, REFER TO REFERENCE FLOOR PLAN AND DOOR SCHEDULE.
8. TRANSACTION COUNTER OPENING IN WALL.
9. PROVIDE SOLID SURFACE COUNTERTOP WITH SUPPORTS AS REQUIRED. SS-2
10. WALL, REFER TO WALL TYPES PLAN.
11. WALL BELOW COUNTERTOP.
12. HVAC RETURN LOUVERS, REFER TO MECHANICAL PLANS.
13. OPENING INTO RESTROOM.
14. ELECTRIC DRINKING FOUNTAIN, REFER TO PLUMBING PLANS.
15. ADA PARALLEL APPROACH PER ADA 2010 SECTIONS 904.4.1 AND 305.

1



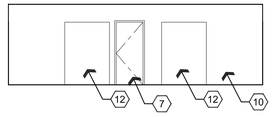
A2 North Elevation

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



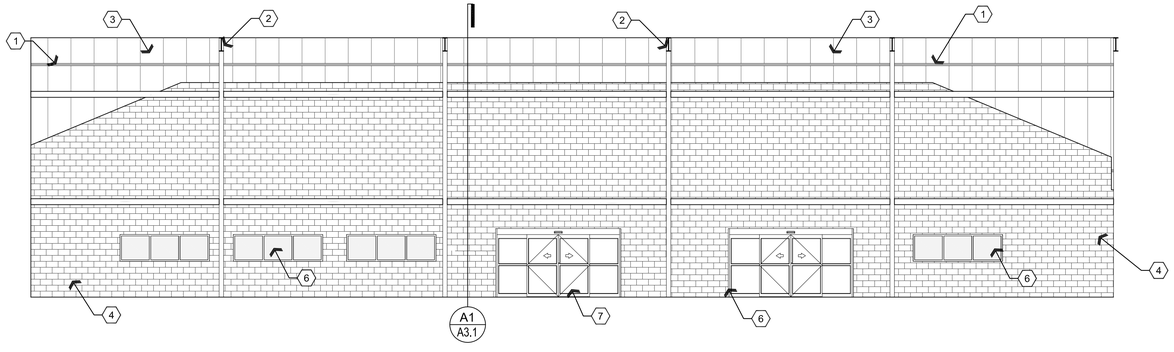
B2 West Elevation

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



C2 East Elevation

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



A1 East Interior Elevation

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

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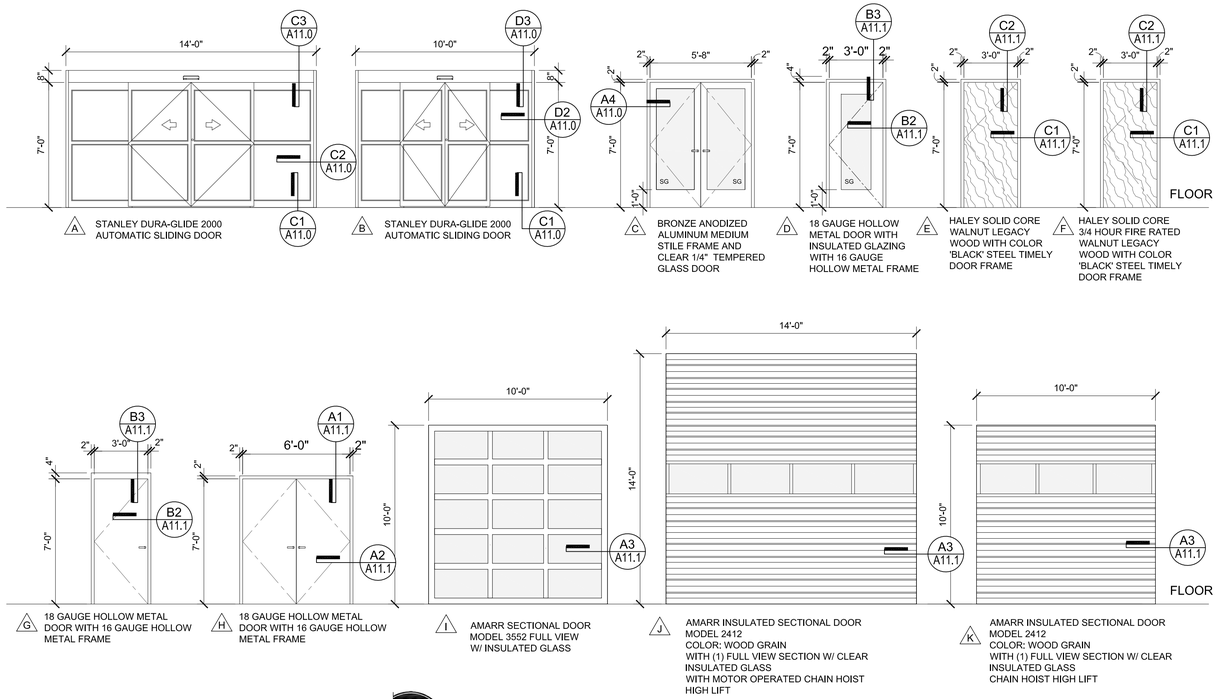
DRAWING: Interior Elevations

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

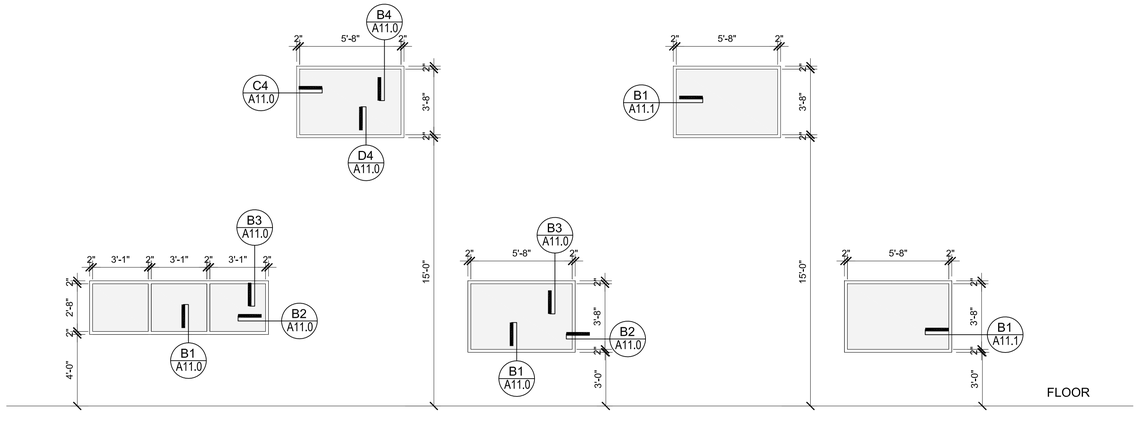
DRAWN BY: L.O.
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SHEET: A7.1

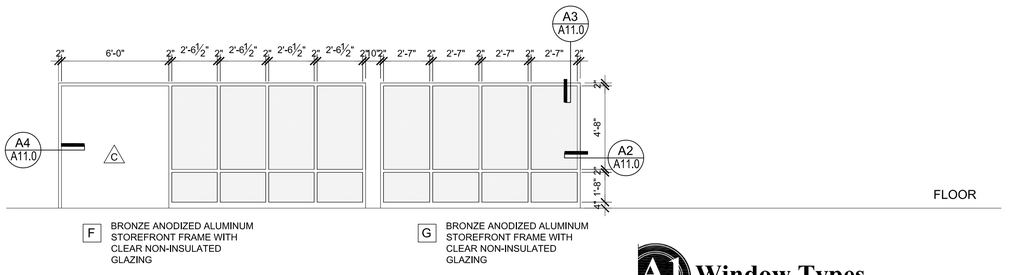
Jul 10, 2020 - 9:15am



A2 Door Types

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





A1 Window Types

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

Door Schedule

NO.	ROOM NAME	SIZE	TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HARDWARE TYPE
100A	VESTIBULE	14'-0"x7'-0"	A	GLASS	-	ALUMINUM	ANODIZED	15
100B	VESTIBULE	14'-0"x7'-0"	A	GLASS	-	ALUMINUM	ANODIZED	15
100C	VESTIBULE	10'-0"x10'-0"	I	GLASS	-	ALUMINUM	ANODIZED	-
100D	VESTIBULE	10'-0"x10'-0"	I	GLASS	-	ALUMINUM	ANODIZED	-
100E	VESTIBULE	10'-0"x10'-0"	I	GLASS	-	ALUMINUM	ANODIZED	-
100F	VESTIBULE	10'-0"x10'-0"	I	GLASS	-	ALUMINUM	ANODIZED	-
100G	VESTIBULE	10'-0"x10'-0"	I	GLASS	-	ALUMINUM	ANODIZED	-
100H	VESTIBULE	10'-0"x10'-0"	I	GLASS	-	ALUMINUM	ANODIZED	-
100I	VESTIBULE	14'-0"x7'-0"	A	GLASS	-	ALUMINUM	ANODIZED	-
101A	RETAIL	3'-0"x7'-0"	G	HM	PAINT	HM	PAINT	1
101B	RETAIL	3'-0"x7'-0"	G	HM	PAINT	HM	PAINT	1
102A	STORAGE	(2) 3'-0"x7'-0"	H	HM	PAINT	HM	PAINT	4
102B	STORAGE	3'-0"x7'-0"	G	HM	PAINT	HM	PAINT	3
102C	STORAGE	14'-0"x14'-0"	J	HM	PAINT	HM	PAINT	-
103A	FIRE RISER	3'-0"x7'-0"	G	HM	PAINT	HM	PAINT	5
104A	RESTROOM	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	7
105A	SHOWROOM	(2) 3'-0"x7'-0"	C	GLASS	-	ALUMINUM	ANODIZED	16
106A	JANITOR	3'-0"x7'-0"	E	HM	PAINT	HM	PAINT	9
107A	CORRIDOR	10'-0"x7'-0"	B	GLASS	-	ALUMINUM	ANODIZED	-
108A	WOMEN'S RR	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	8
109A	MEN'S RR	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	8
110A	STAIRWAY	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	11
111A	BREAK	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	11
112A	OFFICE	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	11
112B	OFFICE	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	6
113A	CORRIDOR	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	11
114A	OFFICE	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	11
115A	OFFICE	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	11
116A	LUMBER	3'-0"x7'-0"	D	HM	PAINT	HM	PAINT	2
116B	LUMBER	14'-0"x14'-0"	J	HM	PAINT	HM	PAINT	-
116C	LUMBER	14'-0"x14'-0"	J	HM	PAINT	HM	PAINT	-
116D	LUMBER	3'-0"x7'-0"	G	HM	PAINT	HM	PAINT	2
116E	LUMBER	14'-0"x14'-0"	J	HM	PAINT	HM	PAINT	-
116F	LUMBER	14'-0"x14'-0"	J	HM	PAINT	HM	PAINT	-
116G	LUMBER	10'-0"x10'-0"	K	HM	PAINT	HM	PAINT	-
117A	IT	3'-0"x7'-0"	F	SCWD	STAIN	STEEL	PAINT	10
118A	STORAGE	3'-0"x7'-0"	F	SCWD	STAIN	STEEL	PAINT	11
119A	WORKROOM	3'-0"x7'-0"	G	HM	PAINT	HM	PAINT	3
200A	OFFICE	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	11
201A	STORAGE	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	12
203A	OFFICE	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	12
204A	OFFICE	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	12
205A	OFFICE	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	12
206A	MECHANICAL RM	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	13
206B	MECHANICAL RM	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	13
207A	RESTROOM	3'-0"x7'-0"	E	SCWD	STAIN	STEEL	PAINT	14

1

NOTES:

1. ALL EXIT DOORS & HARDWARE SHALL COMPLY WITH THE 2018 I.B.C. 1
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.

REVISIONS		BY
1	TOPV COMMENTS 6-30-2020	LO

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON Date Signed 06/30/20 ARIZONA EXPIRES: 6/30/21

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ARCHITECTURE & PLANNING

DRAWING: Door & Window Types and Schedule

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: **A8.0**

Jul 10, 2020 - 9:16am

DOOR HARDWARE SCHEDULE

HARDWARE SET # 1
SINGLE DOOR
DOOR: TAG 101A, 101B

QTY	DESCRIPTION	FIN.	MFG.
3	HINGE FBB168 4.5 X 4.5 NRP	626	STANLEY
1	ALARMED RIM EXIT 22EO-ALK 36"	SP28	VON DUPRIN
1	MORTISE CYLINDER 1E74C4RP3 LESS SFIC	626	BEST
1	PERMANENT CORE KEYED TO SYSTEMS	626	BEST
1	CLOSER QDC119 SPRING STOP	689	STANLEY
1	KICK PLATE K 0050 10" X 34"	630	TRIMCO
1	WEATHER STRIP 303AS 36 X 84	CLR	PEMKO
1	THRESHOLD 171A-36" X 5" X 1/2"	ALUM	PEMKO
1	SWEEP 315CN-36"	CLR	PEMKO

HARDWARE SET #2
SINGLE DOOR
DOOR: TAG 116A, 116D

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB168 4.5 X 4.5 NRP	626	STANLEY
1	RIM EXIT 22L X 230L TRIM – 36"	SP28	VON DURPRIN
1	MORTISE CYLINDER 1E74C4RP3 LESS SFIC	626	BEST
1	PERMANENT CORE KEYED TO SYSTEM	626	BEST
1	CLOSER QDC119 SPRING STOP	689	STANLEY
1	KICK PLATE K0050 10" X 34"	630	TRIMCO
1	WEATHER STRIP 303AS 36 X 84	CLR	PEMKO
1	THRESHOLD 271A - 36" X 5" X 1/4"	ALUM	PEMKO
1	SWEEP 315CN-36"	CLR	PEMKO

HARDWARE SET #3
SINGLE DOOR
DOOR: TAG 102B, 119A

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB168 4.5 X 4.5 NRP	626	STANLEY
1	STOREROOM ND80BD X RHO LESS SFIC	626	SCHLAGE
1	PERMANENT CORE KEYED TO SYSTEM	626	BEST
1	LATCH GUARD BLP-110	630	DON JO
1	CLOSER QDC119 SPRING STOP	689	STANLEY
1	KICK PLATE K0050 10 X 34	630	TRIMCO
1	WEATHERSTRIP 303AS 36" X 84"	CLR	PEMKO
1	THRESHOLD 171A -36" X 5" X 1/2"	ALUM	PEMKO
1	SWEEP 315CN-36"	CLR	PEMKO

HARDWARE SET #4
PAIR DOOR
DOOR: TAG 102A

QTY	DESCRIPTION	FIN	MFG.
6	HINGE FBB179 4.5 X 4.5	626	STANLEY
1	STOREROOM W581BD X DANE LESS SFIC	626	FALCON
1	PERMANENT CORE KEYED TO SYSTEM	626	BEST
1	OVERHEAD HOLDER 454H	626	GLYNN JOHNSON
2	FLUSH BOLTS 458-12" MANUAL EXTENSION	626	IVES
2	KICK PLATE K0500 10" X 34"	630	TRIMCO
2	SILENCERS SR64	GRY	IVES

HARDWARE SET #5
SINGLE DOOR
DOOR: TAG 103A

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB168 4.5 X 4.5 NRP	626	STANLEY
1	STOREROOM ND80BD X RHO LESS SFIC	626	SCHLAGE
1	PERMANENT CORE KEYED TO SYSTEM	626	BEST
1	OVERHEAD STOP 454S	626	GLYNN JOHNSON
1	WEATHERSTRIP 303AS 36" X 84"	CLR	PEMKO
1	THRESHOLD 171A -36" X 5" X 1/2"	ALUM	PEMKO
1	SWEEP 315CN-36"	CLR	PEMKO

HARDWARE SET #6
SINGLE DOOR
DOOR: TAG 112B

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB179 4.5 X 4.5 NRP	626	STANLEY
1	ENTRY ND53BD X RHO LESS SFIC	626	SCHLAGE
1	PERMANENT CORE KEYED TO SYSTEM	626	BEST
1	CLOSER QDC113 COMPRESSION STOP	689	STANLEY
1	SEAL PK33 – 17	BLK	PEMKO

HARDWARE SET #7
SINGLE DOOR
DOOR: TAG 104A

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB179 4.5 X 4.5	626	STANLEY
1	PRIVACY W301 X DANE	636	FALCON
1	OVERHEAD STOP 454S	626	GLYNN JOHNSON

HARDWARE SET #8
SINGLE DOOR
DOOR: TAG 108A, 109A

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB179 4.5 X 4.5	626	STANLEY
1	PUSH PLATE 8200 4" X 16"	630	IVES
1	PULL PLATE 8302-6 4" X 16"	630	IVES
1	CLOSER QDC111 RW/PA	689	STANLEY
1	WALL STOP 1270CV	626	TRIMCO

HARDWARE SET #9
SINGLE DOOR
DOOR: TAG 106A

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB179 4.5 X 4.5	626	STANLEY
1	STOREROOM W581BD X DANE LESS SFIC	626	FALCON
1	PERMANENT CORE KEYED TO SYSTEM	626	BEST

HARDWARE SET #10
SINGLE DOOR
DOOR: TAG 117A

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB179 4.5 X 4.5	626	STANLEY
1	STOREROOM W581BD X DANE LESS SFIC	626	FALCON
1	PERMANENT CORE KEYED TO SYSTEM	626	BEST
1	WALL STOP 1270CV	626	TRIMCO

HARDWARE SET #11
SINGLE DOOR
DOOR: TAG 110A, 111A, 112A, 113A, 114A, 115A, 118A, 200A

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB179 4.5 X 4.5	626	STANLEY
1	PASSAGE W101 X DANE	626	FALCON
1	WALL STOP 1270CV	626	TRIMCO

HARDWARE SET #12
SINGLE DOOR
DOOR: TAG 201A, 203A, 204A, 205A

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB179 4.5 X 4.5	626	STANLEY
1	PASSAGE W101 X DANE	626	FALCON

HARDWARE SET #13
SINGLE DOOR
DOOR: TAG 206A , 206B

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB179 4.5 X 4.5	626	STANLEY
1	STOREROOM W581BD X DANE LESS SFIC	626	FALCON
1	PERMANENT CORE KEYED TO SYSTEM	626	BEST
1	CLOSER QDC111 RW/PA	689	STANLEY
1	WALL STOP 1270CV	626	TRIMCO

HARDWARE SET #14
SINGLE DOOR
DOOR: TAG 207A

QTY	DESCRIPTION	FIN	MFG.
3	HINGE FBB170 4.5 X 4.5	626	STANLEY
1	PRIVACY W301 X DANE	626	FALCON
1	WALL STOP 1270CV	626	TRIMCO

HARDWARE SET #15
SLIDING DOOR 100A, 100B
DOOR: TAG

QTY	DESCRIPTION	FIN	MFG.
2	MORTISE CYLINDER 1E74C4RP3 LESS SFIC	626	BEST
2	PERMANENT CORE LEYED TO SYSTEM	626	BEST

BALNCE OF HARDWARE BY SLIDING DOOR SUPPLIER

HARDWARE SET #16
PAIR DOOR
DOOR: TAG 105A

QTY	DESCRIPTION	FIN	MFG.

HARDWARE FOR ALUMINUM STOREFRONT DOOR BY STOREFRONT SUPPLIER

HARDWARE FOR OVERHEAD ROLL UP DOORS BY OVERHEAD DOOR SUPPLIER

REVISIONS | BY
1 TOPV COMMENTS 6-30-2020 | LO

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DRAWING: Hardware Schedule
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314
APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: A8.1

1

Jul 10, 2020 - 9:16am

Materials schedule

XX- #

CODE	MATERIAL	LOCATION	MANUFACTURER	SPECIFICATION
ACT-1	ACOUSTICAL CEILING TILE	REFER TO REFLECTED CEILING PLAN	ARMSTRONG	ASTM C 36; 2'x2' #770 NON DIRECTIONAL SQUARE LAY-IN TILE, WHITE SUSPENDED GRIDS; 15/16" METAL WHITE
CMU-1	CMU	EXTERIOR	YAVAPAI BLOCK	8"x8"x16" SPLIT FACE COLOR #166 (REFER TO WALL TYPES PLAN FOR TYPE OF SCORING)
CMU-2	CMU	EXTERIOR	YAVAPAI BLOCK	8"x8"x16" SINGLE SCORE STANDARD GRAY COLOR (REFER TO WALL TYPES PLAN FOR TYPE OF SCORING)
CP-1	COLUMN PROTECTOR	LUMBER	GLOBAL	6x6 COLUMN PROTECTOR WG708166YL
CS-1	CONCRETE SEALER	CONCRETE FLOORS	SHERWIN WILLIAMS	ARMORSEAL REXTHANE I FLOOR COATING
CPT-1	24"x24" CARPET TILE	OFFICES	SHAW	COLLECTION: NO RULES STYLE: BYLINE TILE 59113 COLOR: VERSATILE 05500
CT-1	PORCELAIN TILE	RESTROOM, BREAK ROOM, STAIRS, SHOWROOM (FLOORS)	DALTILE	EMERSON WOOD 8x48 COLOR: BALSAM FIR EP04
CT-2	PORCELAIN TILE	RESTROOM WALLS	DALTILE	ARCHAIA COLOR: PROVINCE GREY AR42
FRP-1	FIBERGLASS REINFORCED PLASTIC	JANITOR & FIRST FLOOR SINGLE USER RESTROOM		GRAY, 4' TALL WAINSCOT
EX-1	EXTERIOR SEALER	EXTERIOR CMU	PROSOCO	SILOXANE SEALER
M-1	METAL SIDING PANEL	EXTERIOR	MBCI	CF 2" INSULATED ARCHITECTURAL WALL PANEL, 36", (SIGNATURE 300) SLATE GRAY, EMBOSSED
M-2	METAL ROOF PANEL	MAIN ROOF	MBCI	24" ULTRADEK STANDING SEAM, GALVALUME
M-3	METAL ROOF PANEL	FRONT ENTRY ROOF	MBCI	LOKSEAM 18" STANDING SEAM, (SIGNATURE 200) FERN GREEN
M-4	SHEET METAL DOWNSPOUT	WEST EXTERIOR	MBCI	3-1/2" x4" BOX DOWNSPOUT, 26 GAUGE, PRE-PAINTED (SIGNATURE 300) SLATE GRAY
M-5	SHEET METAL GUTTER	WEST EXTERIOR	MBCI	3"x5" BOX GUTTER, 26 GAUGE, PRE-PAINTED (SIGNATURE 300) SLATE GRAY
M-6	METAL PARAPET CAP	NORTH, SOUTH AND EAST EXTERIOR	MBCI	26 GAUGE, PRE-PAINTED (SIGNATURE 300) SLATE GRAY
M-7	EXTERIOR METAL PANEL LINER	INTERIOR OF PARAPETS	MBCI	PBR PANEL 26 GAUGE PRE-PAINTED
M-8	METAL CEILING PANEL	INTERIOR RETAIL ENTRY	MBCI	12", 26 GAUGE, ARTISAN METAL SOFFIT PANEL POLAR WHITE
M-9	METAL CEILING PANEL	EXTERIOR COVERED ENTRYWAY	MBCI	12", 26 GAUGE, ARTISAN METAL SOFFIT PANEL (SIGNATURE 200) FERN GREEN
M-10	METAL TRIM	EXTERIOR WALLS AS INDICATED ON EXTERIOR ELEVATIONS	MBCI	22 GAUGE CUSTOM BENT SHAPE PRE-PAINTED (SIGNATURE 200) FERN GREEN, REFER TO DETAIL D3/A11.1
M-11	METAL CORNER TRIM	EXTERIOR METAL WALL CORNERS	MBCI	(SIGNATURE 300) SLATE GRAY
MW-1	BELOW GRADE WALL SHEET MEMBRANE WATERPROOFING	BELOW GRADE WALLS	SOPREMA	COLPHENE 3000, REFER TO BUILDING SECTIONS / DETAILS CONTACT: WALT HITCHCOCK 520-240-5690
PL-1	PLASTIC LAMINATE	BREAK ROOM CABINETS	WILSONART	FOSSIL SHALE D504
PT-1	PAINT		SHERWIN WILLIAMS	PASSIVE SW7064
RI-1	ROOF INSULATION SYSTEM	ROOF	THERM-ALL	PROLINER BANDED LINER SYSTEM WITH R-19 INSULATION
RB-1	RUBBER BASE	CARPETED AREAS	ROPPE	BLACK / BROWN
SS-1	SOLID SURFACE COUNTERTOP	RESTROOMS	WILSONART	SLATE GRAY D91 MATTE FINISH
SS-2	SOLID SURFACE COUNTERTOP	BREAK ROOM AND WINDOW PASS THROUGH COUNTER	WILSONART	NORTHERN MELANGE 9195ML
TP-1	TOILET PARTITIONS	RESTROOMS	ASI ACCURATE PARTITIONS	POWDER COATED LIGHT GRAY 990

REVISIONS	BY

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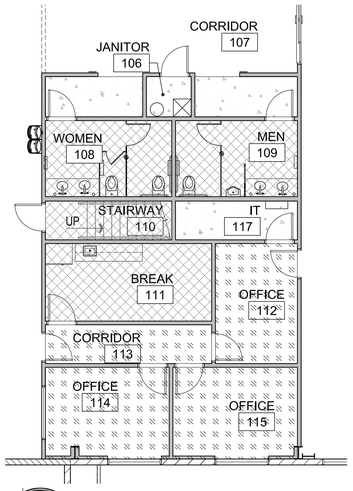
DRAWING: Materials Schedule

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

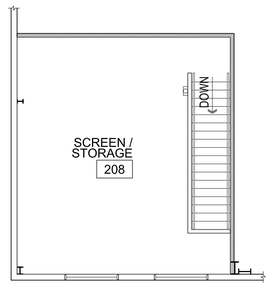
DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: A9.0

May 30, 2020 - 3:34pm



B2 1st Floor Enlarged Plan

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



C2 2nd Floor Enlarged Plan

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

Room Finish Schedule

NO.	ROOM NAME	FLOOR	BASE	WALLS	CEILING	HEIGHT
100	RETAIL	F1	B2	W3	C4	13'-6"
101	RETAIL	F1	B1/B2	W1/W2/W3	C1	VARIES
102	STORAGE	F1	B1	W1/W2/W3	C1	VARIES
103	FIRE RISER	F4	B1	W1/W2/W3	C1	VARIES
104	RESTROOM	F1	B1	W2/W4	C3	9'-0"
105	SHOWROOM	F3	B3	W2	C1	9'-0"
106	JANITOR	F1	B1	W2/W4	C3	9'-0"
107	CORRIDOR	F1	B1	W2	C2	10'-0"
108	WOMEN'S RR	F3	B2	W2/W5	C3	9'-0"
109	MEN'S RR	F3	B2	W2/W5	C3	9'-0"
110	STAIRWAY	F3	B2	W2	C2	-
111	BREAK	F3	B3	W2	C2	8'-6"
112	OFFICE	F2	B1	W2	C2	8'-6"
113	CORRIDOR	F2	B1	W2	C2	8'-6"
114	OFFICE	F2	B1	W2	C2	8'-6"
115	OFFICE	F2	B1	W2	C2	8'-6"
116	LUMBER	F4	B1/B2	W1/W2/W3	C1	VARIES
117	IT	F1	B1	W2	C3	VARIES
118	STORAGE	F1	B1	W2	C3	VARIES
119	WORKROOM	F1	B1	W1/W2	C2	9'-0"
200	OFFICE	F2	B1	W2	C2	10'-0"
201	STORAGE	F2	B1	W2	C3	10'-0"
202	RECEPTION	F2	B1	W2	C2	10'-0"
203	OFFICE	F2	B1	W2	C2	10'-0"
204	OFFICE	F2	B1	W2	C2	10'-0"
205	OFFICE	F2	B1	W2	C2	10'-0"
206	MECHANICAL	F5	B1	W2	C1	VARIES
207	RESTROOM	F3	B3	W5	C3	9'-0"
208	SCREEN STOR.	F5	B1	W1/W2	C1	VARIES

FLOOR:
- F1 SEALED CONCRETE CS-1
- F2 CARPET CPT-1
- F3 PORCELAIN TILE CT-1
- F4 UNSEALED CONCRETE
- F5 UNFINISHED SHEATHING

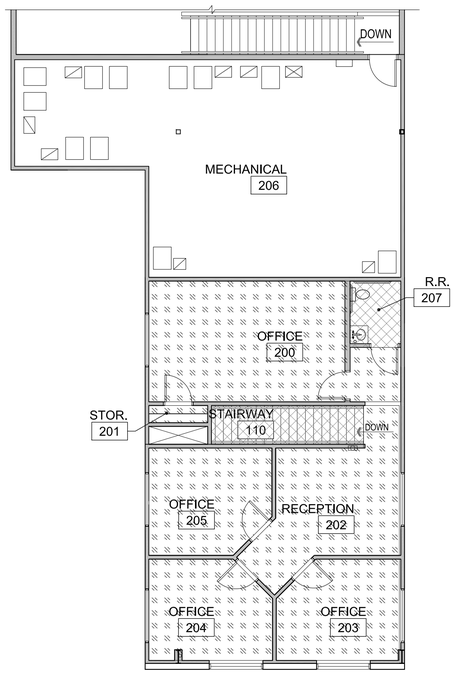
BASE:
- B1 RUBBER BASE RB-1
- B2 NONE
- B3 PORCELAIN TILE

WALLS:
- W1 OPEN TO STRUCTURE / METAL WALL PANELS
- W2 PAINTED GPDW PT-1
- W3 CMU
- W4 FRP WAINSCOT FRP-1
- W5 CERAMIC TILE CT-2

CEILING:
- C1 OPEN TO STRUCTURE
- C2 2x2 SUSPENDED ACT-1 ACOUSTICAL PANELS
- C3 PAINTED GPDW PT-1
- C4 METAL

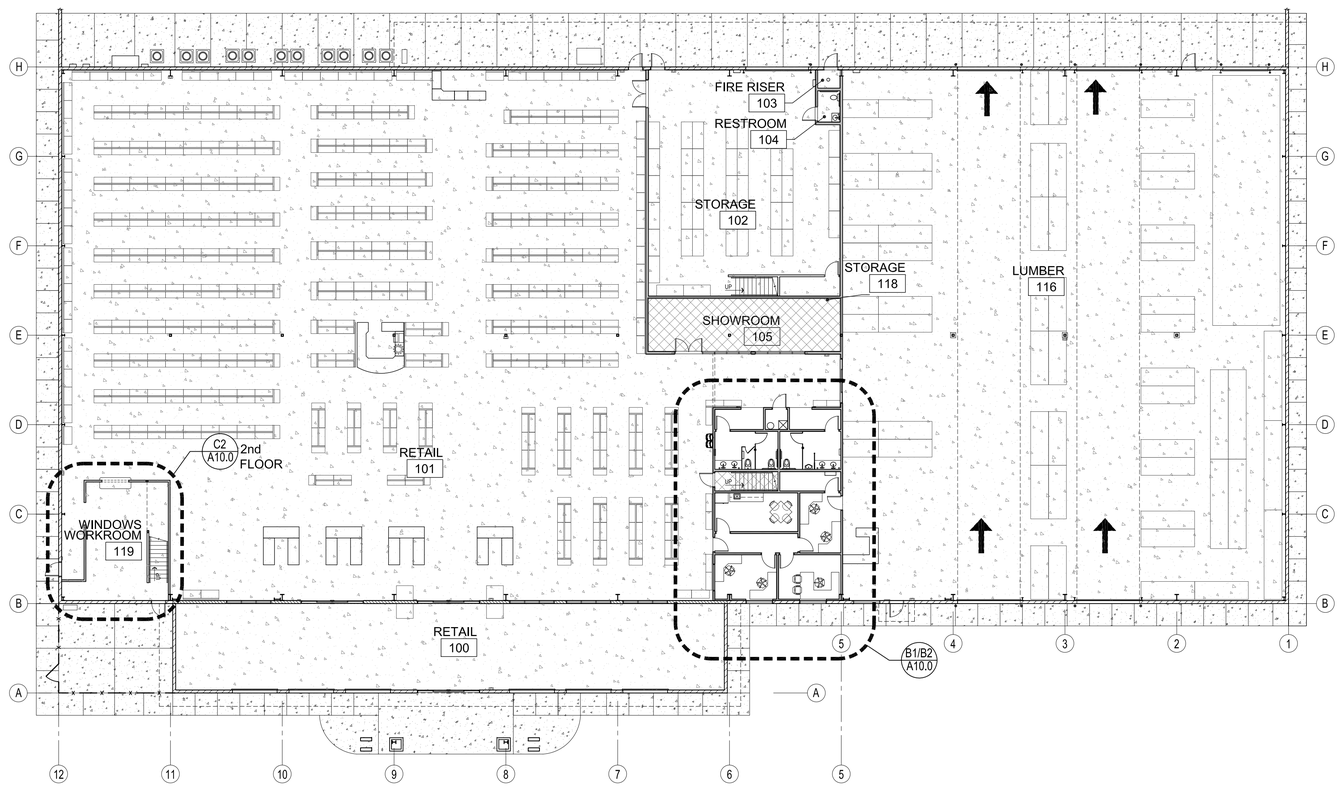
Legend

- PORCELAIN TILE PT-1
- CARPET CPT-1
- CONCRETE
- UNFINISHED



A2 2nd Floor Enlarged Plan

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



A1 Room Finish Plan

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

Plan North

May 30, 2020 - 3:34pm

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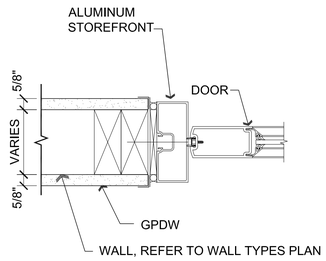
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ARCHITECTURE & PLANNING

DRAWING: Room Finish Plan

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

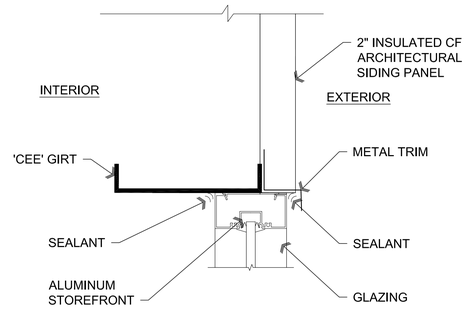
APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: A10.0

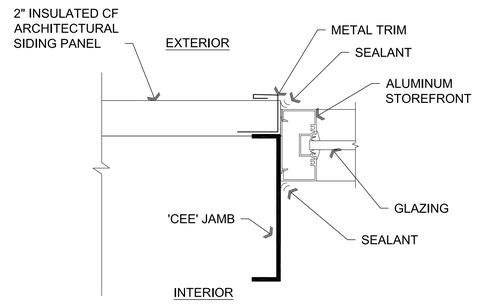


A4 Storefront Door Jamb

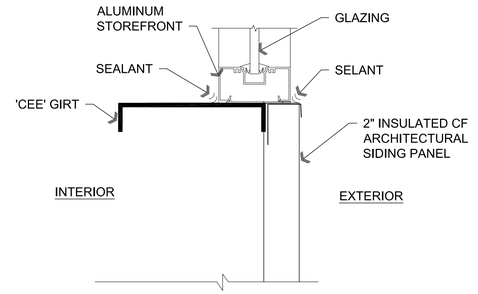
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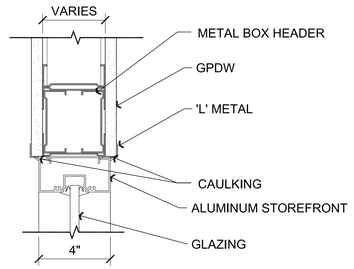
B4 Window Head @ Metal Wall



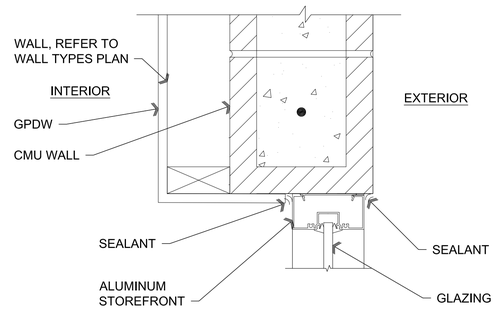
C4 Window Jamb @ Metal Wall



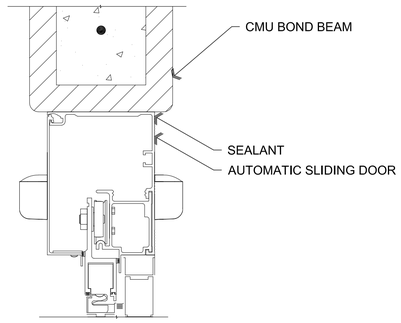
D4 Window Sill @ Metal Wall



A3 Window Head @ Interior Wall

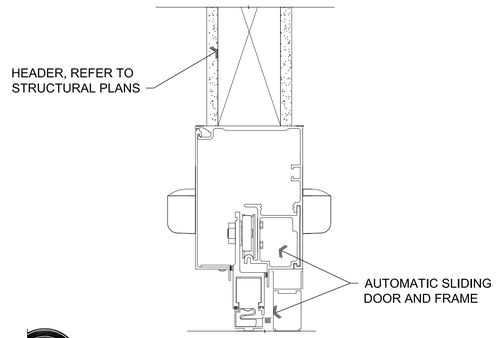


B3 Window Head @ CMU Wall



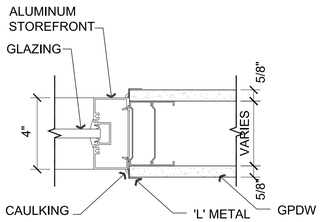
C3 Automatic Door Head

SCALE: 3" = 1'-0"

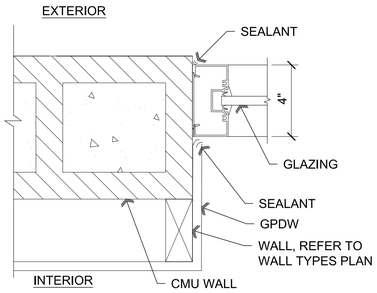


D3 Automatic Door Head

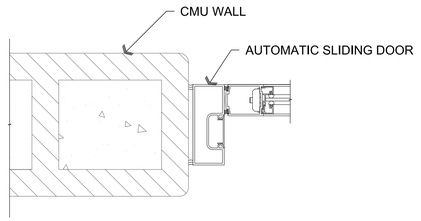
SCALE: 3" = 1'-0"



A2 Window Jamb @ Interior Wall

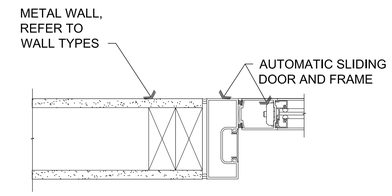


B2 Window Jamb @ CMU Wall



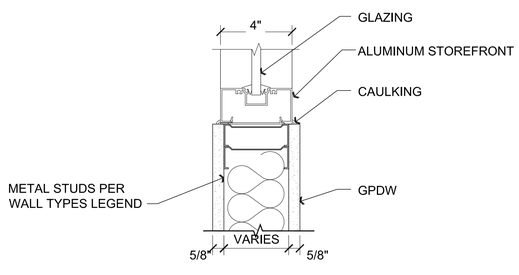
C2 Automatic Door Jamb

SCALE: 3" = 1'-0"

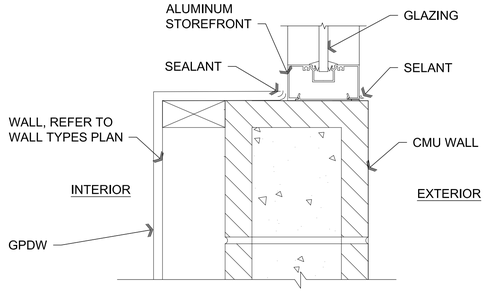


D2 Automatic Door Jamb

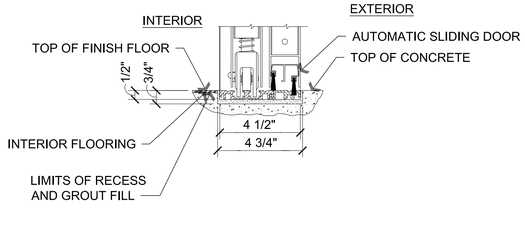
SCALE: 3" = 1'-0"



A1 Window Sill @ Interior Wall

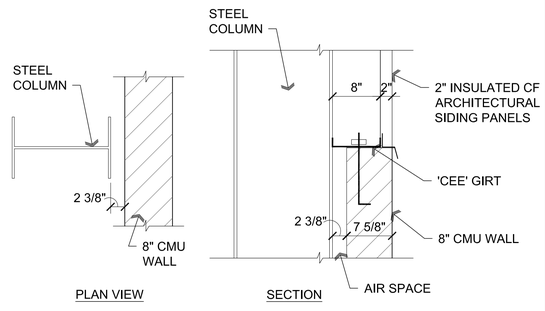


B1 Window Sill @ CMU Wall



C1 Automatic Door Threshold

SCALE: 3" = 1'-0"



D1 Wall Detail

SCALE: 1" = 1'-0"

May 30, 2020 - 3:35pm

REVISIONS	BY

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REGISTERED ARCHITECT
CERTIFICATE NO.
25646
W. ALAN
KENSON
Date Signed 06/30/20
ARIZONA
EXPIRES: 6/30/21

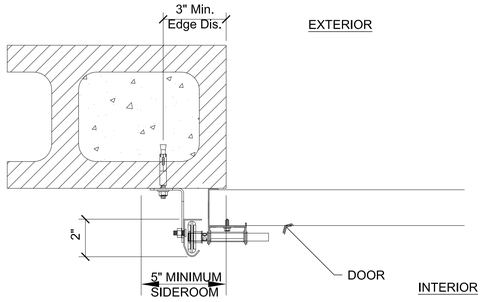
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ARCHITECTURE & PLANNING

DRAWING: Details

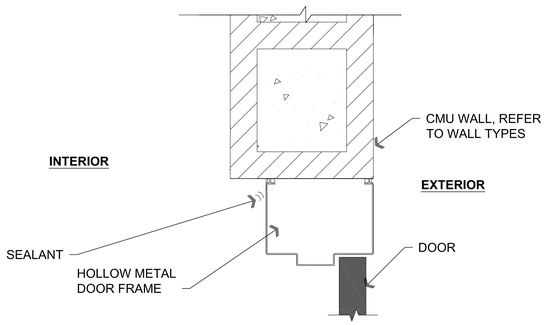
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY	L.O.
CHECKED BY	W.A.K.
DATE	May 30th, 2020
JOB NO.	753
SHEET	A11.0

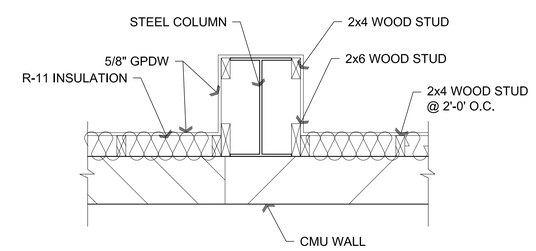


A3 Door Jamb @ CMU Wall



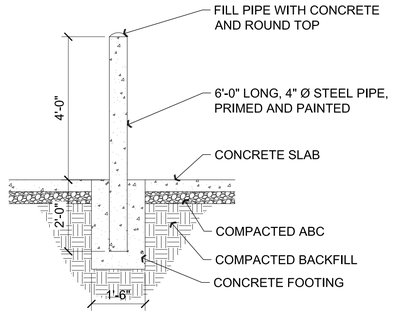
B3 Hollow Metal Door Head

SCALE: 3" = 1'-0"



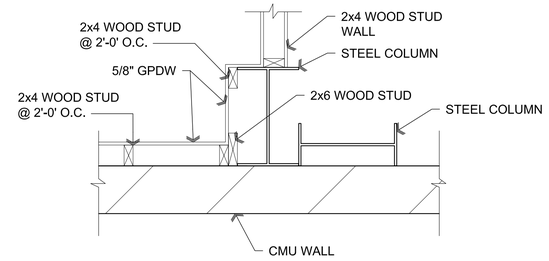
C4 Column Furr-out

SCALE: 1" = 1'-0"



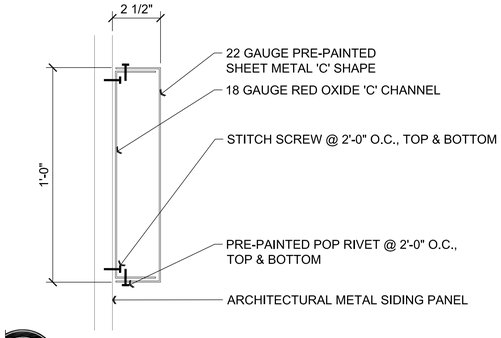
D4 Bollard

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



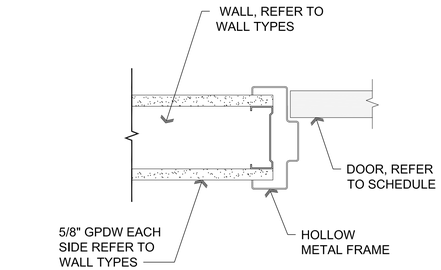
C3 Column Furr-out

SCALE: 1" = 1'-0"



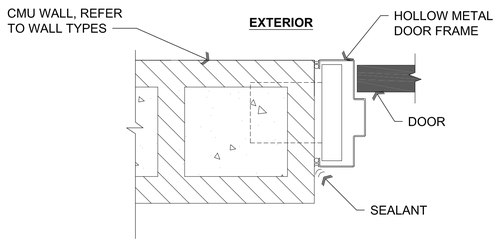
D3 Accent Band Detail

SCALE: 3" = 1'-0"



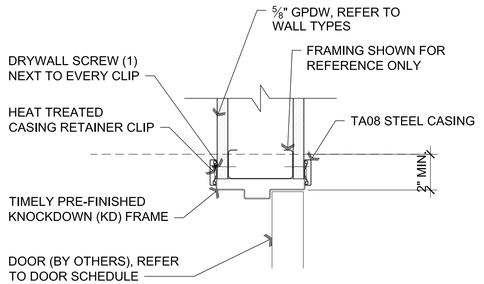
A2 Door Jamb

SCALE: 3" = 1'-0"



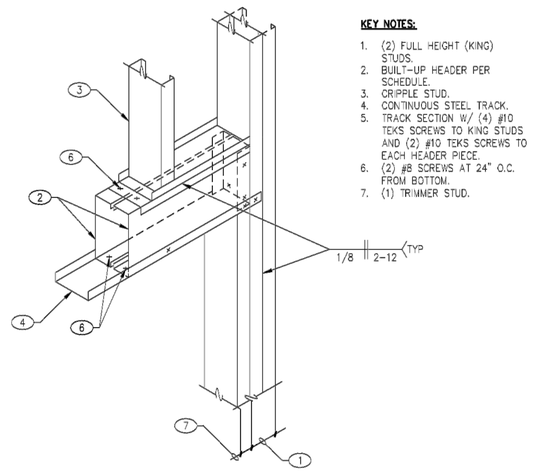
B2 Hollow Metal Door Jamb

SCALE: 3" = 1'-0"



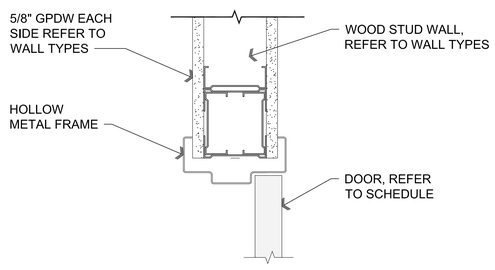
C2 Typical Header

SCALE: 3" = 1'-0"



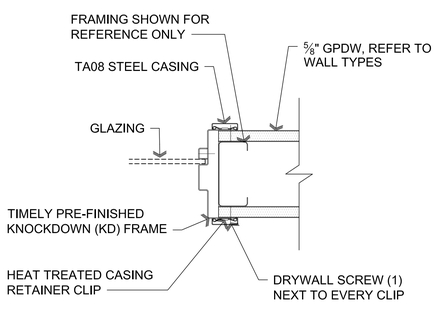
D1 Light Gauge Steel Box Beam Header

SCALE: n.t.s.



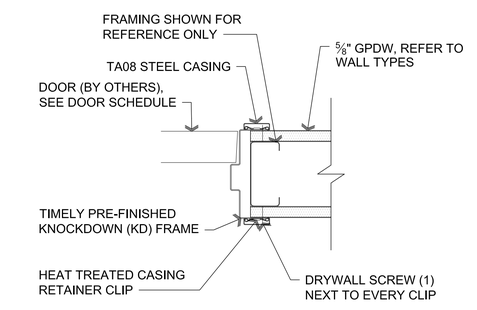
A1 Door Head

SCALE: 3" = 1'-0"



B1 Typical Window Jamb

SCALE: 3" = 1'-0"



C1 Typical Jamb -Strike

SCALE: 3" = 1'-0"

Jun 01, 2020 - 2:41pm

REVISIONS	BY

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON 06/30/20 ARIZONA EXPIRES: 6/30/21

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ARCHITECTURE & PLANNING

DRAWING: Details

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: A11.1

Specifications

DIVISION 1 - GENERAL REQUIREMENTS

SECTION 01000 - DEFINITIONS

1. DRAWING PLAN CLARIFICATION: AN ANSWER FROM THE ARCHITECT, IN RESPONSE TO AN INQUIRY FROM THE CONTRACTOR, INTENDED TO MAKE SOME REQUIREMENT(S) OF THE DRAWINGS OR PLANS CLEARLY UNDERSTOOD. DRAWING/PLAN CLARIFICATIONS MAY BE SKETCHES, DRAWINGS OR IN NARRATIVE FORM AND WILL NOT CHANGE ANY REQUIREMENTS OF THE DRAWINGS OR PLANS, RESPONSES TO CONTRACTOR INQUIRIES SHALL BE AS OUTLINED IN SECTION 01005.
2. PROJECT COMMUNICATIONS: ROUTINE WRITTEN COMMUNICATIONS BETWEEN THE ARCHITECT AND THE CONTRACTOR SHALL BE IN LETTER, FIELD MEMO, OR EMAIL FORMAT. SUCH COMMUNICATIONS SHALL NOT BE IDENTIFIED AS REQUESTS FOR INFORMATION NOR SHALL THEY SUBSTITUTE FOR ANY OTHER WRITTEN REQUIREMENT PURSUANT TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
3. REQUEST FOR INFORMATION: A REQUEST FROM THE CONTRACTOR OR ONE OF THEIR SUBCONTRACTORS, TO THE ARCHITECT, SEEKING AN INTERPRETATION OR A CLARIFICATION OF SOME REQUIREMENT OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL CLEARLY AND CONCISELY SET FORTH THE ISSUE FOR WHICH THEY SEEK CLARIFICATION OR INTERPRETATION AND WHY A RESPONSE IS NEEDED FROM THE ARCHITECT. THE CONTRACTOR SHALL, IN THE WRITTEN REQUEST, SET FORTH ITS INTERPRETATION OR UNDERSTANDING OF THE CONTRACT'S REQUIREMENTS ALONG WITH REASONS WHY IT HAS REACHED SUCH AN UNDERSTANDING. RESPONSES FROM THE ARCHITECT WILL NOT CHANGE ANY REQUIREMENTS OF THE CONTRACT DOCUMENTS. RESPONSES TO CONTRACTOR INQUIRIES SHALL BE AS OUTLINED IN SECTION 01005

SECTION 01005 - REQUEST FOR INFORMATION (RFI) PROCEDURES

1. ALL RFIS SHALL BE SUBMITTED TO ARCHITECT VIA EMAIL IN WORD DOCUMENT (.DOC) OR ADOBE (.PDF) FORMATS ONLY. EMAIL ADDRESS IS WAKA@CABLEONE.NET. ANY OTHER TYPE OF SUBMITTAL PROCESS OR PROCEDURE WILL NOT BE RESPONDED TO.
2. IN THE EVENT THAT THE CONTRACTOR OR SUBCONTRACTOR, AT ANY TIER, DETERMINES THAT SOME PORTION OF THE DRAWINGS, SPECIFICATIONS, OR OTHER CONTRACT DOCUMENTS REQUIRES CLARIFICATION OR INTERPRETATION BY THE ARCHITECT, THE CONTRACTOR SHALL SUBMIT AN RFI TO THE ARCHITECT. RFIS MAY ONLY BE SUBMITTED BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL CLEARLY AND CONCISELY SET FORTH THE ISSUE OF WHICH CLARIFICATION OR INTERPRETATION IS SOUGHT AND WHY A RESPONSE IS NEEDED FROM THE ARCHITECT. IN THE RFI, THE CONTRACTOR SHALL SET FORTH THEIR INTERPRETATION OR UNDERSTANDING OF THE REQUIREMENT ALONG WITH REASONS WHY SUCH AN UNDERSTANDING WAS REACHED.
3. THE ARCHITECT ACKNOWLEDGES THAT THIS IS A COMPLEX PROJECT BASED UPON THE ARCHITECT'S PAST EXPERIENCE WITH PROJECTS OF SIMILAR COMPLEXITY.
4. THE ARCHITECT WILL REVIEW ALL PROPERLY SUBMITTED RFIS TO DETERMINE WHETHER THEY ARE RFIS WITHIN THE MEANING OF THIS TERM. IF THE ARCHITECT DETERMINES THAT THE DOCUMENT IS NOT AN RFI, IT WILL BE RETURNED TO THE CONTRACTOR, UN-REVIEWED AS TO CONTENT, FOR RE-SUBMITTAL IN THE PROPER FORM.
5. RESPONSES TO RFIS SHALL BE ISSUED WITHIN SEVEN (7) WORKING DAYS OF RECEIPT OF THE REQUEST FROM THE CONTRACTOR UNLESS THE ARCHITECT DETERMINES THAT A LONGER TIME IS NECESSARY TO PROVIDE AN ADEQUATE RESPONSE. IF A LONGER TIME IS DETERMINED NECESSARY BY THE ARCHITECT, THE ARCHITECT WILL WITHIN FIVE (5) WORKING DAYS OF RECEIPT OF THE REQUEST, NOTIFY THE CONTRACTOR OF THE ANTICIPATED RESPONSE TIME. IF THE CONTRACTOR SUBMITS AN RFI ON AN ACTIVITY WITH SEVEN(7) WORKING DAYS OR LESS OF FLOAT ON THE CURRENT PROJECT SCHEDULE THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY TIME EXTENSION DUE TO THE TIME IT TAKES THE ARCHITECT TO RESPOND TO THE REQUEST PROVIDED THAT THE ARCHITECT RESPONDS WITHIN THE SEVEN (7) WORKING DAYS SET FORTH ABOVE.
6. ARCHITECT WILL RESPOND TO ALL RFIS VIA EMAIL TO ONE CONTACT IN THE CONTRACTOR'S OFFICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FORWARDING THIS RESPONSE EMAIL TO ALL PERTINENT PERSONNEL, SUBCONTRACTORS AND SUPPLIERS.
7. RESPONSES FROM THE ARCHITECT WILL NOT CHANGE ANY REQUIREMENT OF THE CONTRACT DOCUMENTS. IN THE EVENT THE CONTRACTOR BELIEVES THAT A RESPONSE TO AN RFI WILL CAUSE A CHANGE TO THE REQUIREMENTS OF THE CONTRACT DOCUMENT, THE CONTRACTOR SHALL GIVE WRITTEN NOTICE T THE ARCHITECT STATING THAT THE CONTRACTOR CONSIDERS THE RESPONSE TO BE A CHANGE ORDER. FAILURE TO GIVE SUCH WRITTEN NOTICE SHALL WAIVE THE CONTRACTOR'S RIGHT TO SEEK ADDITIONAL TIME OR COST.

SECTION 01010 - SUMMARY OF WORK

1. THE AIA "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" (FORM A201-2017) SHALL BE A PART OF THE CONTRACT DOCUMENTS, ALONG WITH THESE DRAWINGS AND SPECIFICATIONS.
2. IN THE PREPARATION OF THESE SPECIFICATIONS AN EFFORT HAS BEEN MADE TO SEGREGATE THE VARIOUS BRANCHES OF THE WORK UNDER HEADINGS, BY TRADES. THIS IS DONE ONLY FOR CONVENIENCE AND SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF FURNISHING EVERY ITEM INDICATED OR SPECIFIED WHETHER PROPERLY SEGREGATED OR NOT.
3. THE MISPLACEMENT, ADDITION OR OMISSION OF ANY LETTER, WORD OR PUNCTUATION MARK, OR LACK OF CAPITALIZATION OF A WORD, SHALL IN NO WAY DAMAGE THE TRUE SPIRIT, INTENT, OR MEANING OF THESE SPECIFICATIONS.
4. CONTRACTOR SHALL COMPLY WITH, AND REQUIRE ALL SUBCONTRACTORS TO COMPLY WITH, STATE AND CITY CONTRACTOR'S LICENSE LAWS AND BE DULY REGISTERED AND LICENSED THEREUNDER.
5. WHERE SPECIFIC INSTRUCTIONS IN THESE SPECIFICATIONS REQUIRE THAT A PARTICULAR PRODUCT AND/OR MATERIAL(S) BE INSTALLED AND/OR APPLIED BY AN APPROVED APPLICATOR OF THE MANUFACTURER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ANY SUBCONTRACTORS USED FOR SUCH WORK BE AN APPROVED APPLICATOR.

SECTION 01015 - PROJECT COORDINATION

1. THE GENERAL CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS INCLUDED IN VARIOUS SECTIONS OF THESE SPECIFICATIONS TO ASSURE EFFICIENT COORDINATION AND ORDERLY INSTALLATION OF EACH PART OF THE WORK. THE GENERAL CONTRACTOR SHALL ALSO COORDINATE CONSTRUCTION OPERATIONS INCLUDED UNDER DIFFERENT SECTIONS THAT DEPEND ON EACH OTHER FOR PROPER INSTALLATION, CLEARANCES, CONNECTIONS, AND OPERATIONS.
2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH THE OWNER'S VENDOR'S WORKS.
3. THE VENDOR'S THAT WILL SUPPLY AND INSTALL THESE ITEMS HAS NOT BEEN CHOSEN YET. AS SOON AS THE VENDOR'S ARE DETERMINED THE CONTRACTOR WILL BE NOTIFIED OF ALL CONTACT INFORMATION.
4. THE PROJECT SUPERINTENDENT AND THE PROJECT MANAGER SHALL HAVE A MEETING WITH THE FOREMEN OF THE MECHANICAL, ELECTRICAL, FIRE SPRINKLER, AND PLUMBING SUBCONTRACTORS PRIOR TO THE INSTALLATION OF ANY OF THEIR MATERIALS AND EQUIPMENT IN THE BUILDING. THE PURPOSE OF THIS MEETING SHALL BE TO REQUIRE ALL OF THESE SUBCONTRACTORS TO COORDINATE THEIR INSTALLATION LOCATIONS OF THEIR MATERIALS AND EQUIPMENT SO THAT THERE ARE NO CONFLICTS IN THE FIELD. ALL OF THESE SUBCONTRACTORS MATERIALS AND EQUIPMENT SHALL BE INSTALLED AS HIGH AS IS POSSIBLE WITHIN THE STRUCTURAL FRAMING SYSTEMS AND IS NOT TO BE INSTALLED ANY LOWER THAN THE BOTTOM OF THE STRUCTURAL ROOF AND FLOOR SYSTEMS UNLESS APPROVED IN ADVANCE IN WRITING BY THE ARCHITECT. SHOULD THERE END UP BEING A CONFLICT BETWEEN THE SUBCONTRACTORS MATERIALS AND EQUIPMENT, THEN THE CONFLICTING MATERIALS AND EQUIPMENT SHALL BE REMOVED AND PROPERLY REINSTALLED AT NO ADDITIONAL COST TO THE OWNER.

SECTION 01017 - SUPERINTENDENT

1. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT AND NECESSARY ASSISTANTS WHO SHALL BE IN ATTENDANCE AT THE PROJECT SITE DURING PERFORMANCE OF THE WORK.
2. THE SUPERINTENDENT SHALL REPRESENT THE CONTRACTOR, AND COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE AS BINDING IF GIVEN TO THE CONTRACTOR. IMPORTANT COMMUNICATIONS SHALL BE CONFIRMED IN WRITING. OTHER COMMUNICATIONS SHALL BE SIMILARLY CONFIRMED ON WRITTEN REQUEST IN EACH CASE.

SECTION 01025 - APPLICATIONS FOR PAYMENT

1. SUBMIT APPLICATIONS FOR PAYMENT TO OWNER IN ACCORD WITH THE SCHEDULE ESTABLISHED BY CONDITIONS OF THE CONTRACT AND AGREEMENT BETWEEN OWNER AND CONTRACTOR.
2. NO PROJECTIONS IN PAYMENTS WILL BE ALLOWED.
3. SUBMIT ITEMIZED APPLICATIONS TYPED ON AIA DOCUMENT G702-92, " APPLICATIONS AND CERTIFICATE FOR PAYMENT" AND CONTINUATION SHEETS G703-92.
4. CONTRACTOR SHALL SUBMIT ROUGH DRAFT OF THE APPLICATIONS FOR PAYMENT TO ARCHITECT FOR AN ON-SITE REVIEW FOLLOWING END OF DRAW PERIOD; THEN SUBMIT ONE (1) FINAL COPY AT THE TIMES STIPULATED IN THE AGREEMENT.

SECTION 01040 - CONTRACTOR'S CONSTRUCTION SCHEDULES

1. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION SCHEDULE, FOR THE WORK, WITHIN 7 CALENDAR DAYS OF BEING AWARDED THE CONTRACT AND SUBMIT IT FOR THE OWNER'S AND ARCHITECT'S INFORMATION.
2. THE SCHEDULE SHALL BE A CRITICAL PATH METHOD SCHEDULE AND SHALL DEMONSTRATE A REALISTIC, EXPEDITIOUS PLAN FOR COMPLETING THE WORK WITHIN THE PARAMETERS OF THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL CONFORM TO THE MOST RECENT SCHEDULE.
4. THE SCHEDULE SHALL NOT EXCEED TIME LIMITS CURRENT UNDER THE CONTRACT DOCUMENTS.
5. THE SCHEDULE SHALL BE REVISED AT APPROPRIATE INTERVALS AS REQUIRED BY THE CONDITIONS OF THE WORK AND PROJECT, SHALL BE RELATED TO THE ENTIRE PROJECT TO THE EXTENT REQUIRED BY THE CONTRACT DOCUMENTS AND SHALL PROVIDE FOR EXPEDITIOUS AND PRACTICABLE EXECUTION OF THE WORK.

SECTION 01045 - SUBCONTRACTORS

1. THE CONTRACTOR SHALL FURNISH TO THE OWNER THROUGH THE ARCHITECT THE NAMES OF PERSONS OR ENTITIES (INCLUDING THOSE WHO ARE TO FURNISH MATERIALS OR EQUIPMENT FABRICATED TO A SPECIAL DESIGN) PROPOSED FOR EACH PRINCIPAL PORTION OF THE WORK.
2. THE ARCHITECT WILL PROMPTLY REPLY TO THE CONTRACTOR STATING WHETHER OR NOT THE OWNER OR THE ARCHITECT, AFTER DUE INVESTIGATION, HAS REASONABLE OBJECTIONS TO ANY SUCH PROPOSED PERSON OR ENTITY.
3. FAILURE OF THE OWNER OR ARCHITECT TO REPLY PROMPTLY SHALL CONSTITUTE NOTICE OF NO REASONABLE OBJECTION.
4. THE CONTRACTOR SHALL NOT CONTRACT WITH A PROPOSED PERSON OR ENTITY TO WHOM THE OWNER OR ARCHITECT HAS MADE REASONABLE AND TIMELY OBJECTION. THE CONTRACTOR SHALL NOT BE REQUIRED TO CONTRACT WITH ANYONE TO WHOM THE CONTRACTOR HAS MADE REASONABLE OBJECTION.

SECTION 01050 - FIELD ENGINEERING

1. CONTRACTOR SHALL VERIFY LOCATION OF ALL MONUMENTS AND BENCHMARKS SHOWN ON THE DRAWINGS.
2. CONTRACTOR SHALL:
   2.1 PROVIDE FIELD PROFESSIONAL ENGINEERING SERVICES AS SPECIFIED OR REQUIRED TO EXECUTE CONTRACTOR CONSTRUCTION METHOD.
   2.2 DEVELOP AND MAKE ALL DETAIL SURVEYS AND MEASUREMENT NEEDED FOR CONSTRUCTION, INCLUDING ALL WORKING LINES AND ELEVATION.
   2.3 PROVIDE ALL MATERIAL REQUIRED FOR BENCHMARKS, CONTROL POINTS, BATTER BOARDS, GRADE STAKES AND OTHER ITEMS.
   2.4 BE SOLELY RESPONSIBLE FOR ALL LOCATIONS, DIMENSIONS AND LEVELS. NO DATA OTHER THAN WRITTEN ORDERS OF THE ARCHITECT SHALL JUSTIFY DEPARTURE FROM THE DIMENSIONS AND LEVELS REQUIRED BY THE DRAWINGS.

SECTION 01340 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

1. SHOP DRAWINGS ARE DRAWINGS, DIAGRAMS, SCHEDULES AND OTHER DATA SPECIALLY PREPARED FOR THE WORK BY THE CONTRACTOR OR A SUBCONTRACTOR, SUB-SUBCONTRACTOR, MANUFACTURER, SUPPLIER OR DISTRIBUTOR TO ILLUSTRATE SOME PORTION OF THE WORK.
2. PRODUCT DATA ARE ILLUSTRATIONS, STANDARD SCHEDULES, PERFORMANCE CHARTS, INSTRUCTIONS, BROCHURES, DIAGRAMS AND OTHER INFORMATION FURNISHED BY THE CONTRACTOR TO ILLUSTRATE MATERIALS OR EQUIPMENT FOR SOME PORTION OF THE WORK.
3. SAMPLES ARE PHYSICAL EXAMPLES, WHICH ILLUSTRATE MATERIALS, EQUIPMENT OR WORKMANSHIP AND ESTABLISH STANDARDS BY WHICH THE WORK WILL BE JUDGED.
4. THE CONTRACTOR SHALL PREPARE AND KEEP CURRENT, FOR THE ARCHITECT'S APPROVAL, A SCHEDULE OF SUBMITTALS WHICH IS COORDINATED WITH THE CONTRACTOR'S CONSTRUCTION SCHEDULE AND ALLOWS THE ARCHITECT REASONABLE TIME TO REVIEW SUBMITTALS. THIS SCHEDULE OF SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT WITH THE CONTRACTOR'S CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL CONFORM TO THE MOST RECENT SCHEDULE.
5. THE PURPOSE FOR THESE SUBMITTALS IS TO DEMONSTRATE FOR THOSE PORTIONS OF THE WORK FOR WHICH SUBMITTALS ARE REQUIRED THE WAY THE CONTRACTOR PROPOSES TO CONFORM TO THE INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL REVIEW, APPROVE AND SUBMIT TO THE ARCHITECT SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS REQUIRED BY THE CONTRACT DOCUMENTS WITH REASONABLE PROMPTNESS AND IN SUCH SEQUENCE AS TO CAUSE NO DELAY IN THE WORK OR IN THE ACTIVITIES OF THE OWNER OR OF SEPARATE CONTRACTORS.
7. SUBMITTALS MADE BY THE CONTRACTOR, WHICH ARE NOT REQUIRED BY THE CONTRACT DOCUMENTS, MAY BE RETURNED WITHOUT ACTION.
8. THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK REQUIRING SUBMITTAL AND REVIEW OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNTIL THE ARCHITECT HAS APPROVED THE RESPECTIVE SUBMITTAL. SUCH WORK SHALL BE IN ACCORDANCE WITH APPROVED SUBMITTALS.
9. BY APPROVING AND SUBMITTING SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS, THE CONTRACTOR REPRESENTS THAT THE CONTRACTOR HAS DETERMINED AND VERIFIED MATERIALS, FIELD MEASUREMENTS AND FIELD CONSTRUCTION CRITERIA RELATED THERETO OR WILL DO SO, AND HAS CHECKED AND COORDINATED THE INFORMATION CONTAINED WITHIN SUCH SUBMITTALS WITH THE REQUIREMENTS OF THE WORK AND OF THE CONTRACT DOCUMENTS.
10. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT'S APPROVAL THEREOF.
11. THE CONTRACTOR SHALL DIRECT SPECIFIC ATTENTION, IN WRITING OR ON RESUBMITTED SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS, TO REVISIONS OTHER THAN THOSE REQUESTED BY THE ARCHITECT ON PREVIOUS SUBMITTALS.
12. THE CONTRACTOR SHALL CHECK, APPROVE, AND SUBMIT WITH SUCH PROMPTNESS AS TO CAUSE NO DELAY IN HIS WORK, ONE (1) ELECTRONIC COPY AND ONE (1) PAPER COPY OF ALL SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS AS CALLED FOR IN THE VARIOUS SECTIONS, DETAILS, AND PARTS TO BE USE IN THE WORK.

SECTION 01350 - SUBSTITUTIONS

1. THE CONTRACTOR SHALL BASE HIS PROPOSAL ON THE EXACT BRANDS, SYSTEMS, METHODS, AND MATERIALS SHOWN, IF THE CONTRACTOR DESIRES TO MAKE SUBSTITUTIONS, HE SHALL LIST THEM WITH HIS BID AND IN HIS CONTRACT. THE LISTING SHALL BE IN SUFFICIENT DETAIL TO AFFORD THE OWNER MEANS OF COMPARISON AND MUST INCLUDE THE MONETARY DIFFERENCE IN CONTRACT PRICE IF THE SUBSTITUTION IS ACCEPTED. SUBSTITUTIONS AFTER SIGNING THE CONTRACT SHALL BE BY CHANGE ORDER ONLY.

SECTION 01360 - RECORD DRAWINGS

1. THE WORK OF THE FOLLOWING TECHNICAL SECTIONS SHALL BE MARKED ON A CLEAN SET OF PLANS, SHOWING THE EXACT LOCATIONS OF THE VARIOUS PARTS OF THE WORK IF DIFFERENT FROM DRAWINGS: MECHANICAL, PLUMBING, AND ELECTRICAL.

SECTION 014000 - QUALITY CONTROL

1. ALL COSTS INCURRED FOR TESTING LABORATORY SERVICES SHALL BE PAID BY THE CONTRACTOR.
2. TESTING LABORATORY SHALL REPORT THE RESULTS OF ALL TESTS, IN WRITING, VIA EMAIL, SIMULTANEOUSLY TO THE FOLLOWING: ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR.

SECTION 01410 - ERRORS AND OMISSIONS

1. IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, SPECIFICATIONS, OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF SUCH OMISSIONS OR ERRORS PRIOR TO PROCEEDING WITH ANY WORK WHICH APPEARS IN QUESTION.
2. IN THE EVENT OF THE CONTRACTOR'S FAILURE TO GIVE SUCH NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING IT.
3. THE CONTRACTOR SHALL HAVE ALL ITEMS OR DETAILS CLARIFIED WITH ARCHITECT PRIOR TO SUBMITTING A BID; OTHERWISE ARCHITECTS INTERPRETATION SHALL BE FINAL.
4. IF THERE IS A CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DRAWINGS THEN THE ARCHITECT WILL MAKE A WRITTEN INTERPRETATION WHICH SHALL BE FINAL AND BINDING UPON THE CONTRACTOR. THE ARCHITECT'S INTERPRETATION SHALL BE REASONABLE AND CONSISTENT WITH THE INTENT EXPRESSED IN THE CONTRACT DOCUMENTS.

SECTION 015000 - CONST. FACILITIES & TEMPORARY UTILITIES

1. THE CONTRACTOR SHALL MAINTAIN AT THE SITE FOR THE OWNER, ONE RECORD COPY OF THE DRAWINGS, SPECIFICATIONS, ADDENDA, CHANGE ORDERS, RFI'S, PROPOSAL REQUESTS, AND OTHER MODIFICATIONS, IN GOOD ORDER AND MARKED CURRENTLY TO RECORD CHANGES AND SELECTIONS MADE DURING CONSTRUCTION, AND IN ADDITION APPROVED SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR REQUIRED SUBMITTALS. THESE SHALL BE AVAILABLE TO THE ARCHITECT AND SHALL BE DELIVERED TO THE ARCHITECT FOR SUBMITTAL TO THE OWNER UPON COMPLETION OF THE WORK.
2. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ARCHITECT ACCESS TO THE WORK IN PREPARATION AND PROGRESS WHEREVER LOCATED.
3. PROVIDE AND MAINTAIN A WEATHER TIGHT OFFICE FOR USE OF OWNER AND CONTRACTOR. THIS OFFICE SHALL BE PAINTED AND IN GOOD PHYSICAL SHAPE, AND PROVIDED WITH WINDOWS WHICH OPERATE, DOORS WITH LOCKS, TABLES, BENCHES, RACKS FOR DRAWINGS AND ELECTRIC LIGHTS. EQUIPMENT IN THE TRAILER IS TO MINIMALLY INCLUDE FIRE EXTINGUISHER, FIRST AID KIT, BOTTLED WATER AND CUPS, AND SHALL ALL BE IN GOOD OPERATING CONDITION.
4. CONTRACTOR SHALL PROVIDE TEMPORARY ADEQUATE LIGHT AND POWER SUPPLY FOR CONSTRUCTION.
5. CONTRACTOR SHALL PROVIDE TEMPORARY ADEQUATE WATER SUPPLY FOR CONSTRUCTION.
6. SUPPLY ADEQUATE COOL, PURE DRINKING WATER WITH INDIVIDUAL DRINKING CUPS OR SANITARY BUBBLER FOUNTAIN FOR THE USE OF EMPLOYEES ON THE PROJECT. THE QUALITY OF THE DRINKING WATER SHALL MEET THE STANDARDS FOR PUBLIC WATER SUPPLIES OF THE YAVAPAI COUNTY HEALTH DEPARTMENT.
7. PROVIDE A CELLULAR JOB TELEPHONE FOR THE DURATION OF THE PROJECT.
8. PROVIDE PROPER SANITARY AND ADEQUATE TOILET FACILITIES FOR THE USE OF ALL WORKMEN EMPLOYED ON THE PROJECT, LOCATED WHERE DIRECTED, AND ENFORCE THEIR USE BY ALL PERSONNEL ON THE PROJECT. ENCLOSE AND WEATHERPROOF TOILETS AND KEEP IN A SANITARY CONDITION AT ALL TIMES. ALSO PROVIDE A TRASH BIN.
9. PROVIDE ADEQUATE FIRE EXTINGUISHERS ON THE PREMISES DURING THE COURSE OF CONSTRUCTION, OF THE TYPE AND SIZES RECOMMENDED BY THE NFPA TO CONTROL FIRES RESULTING FROM THE PARTICULAR WORK BEING PERFORMED.

May 30, 2020 - 3:36pm

REVISIONS	BY

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON Date Signed 06/30/20 ARIZONA EXPIRES: 6/30/21

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DRAWING: Specifications

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Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET

A12.0

Specifications Continued

12.	PROVIDE 6 FOOT HIGH WOVEN WIRE TEMPORARY FENCING AROUND THE CONSTRUCTION AREA. FENCING SHALL BE ERECTED AND SECURED IN A MANNER TO WITHSTAND THE FORCES TO WHICH IT MAY BE SUBJECTED.
13.	PROTECT ALL ELEMENTS OF CONSTRUCTION FROM ANY DANGER OF DAMAGE FROM WIND, RAIN, DUST, FROST, FREEZING TEMPERATURES, OR OTHER INFILTRATION OF WEATHER.
14.	EXERCISE ALL POSSIBLE CARE TO CONTROL EXCESSIVE NOISE AND DUST DURING THE CONSTRUCTION TO KEEP THESE PROBLEMS TO A MINIMUM. TRAFFIC OR CONSTRUCTION AREAS SHALL BE SPRINKLED WITH WATER OR CHEMICALS REQUIRED AND IN ACCORDANCE WITH APPLICABLE COUNTY REQUIREMENTS. CONTRACTOR SHALL SECURE APPROPRIATE DUST PERMITS PRIOR TO SITE WORK BEGINNING.
15.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF CONSTRUCTION, CONSTRUCTION MATERIALS AND EQUIPMENT ON THE SITE.
16.	NO SIGNS SHALL BE PERMITTED ON PROJECT WITHOUT EXPRESS APPROVAL OF OWNER, EXCEPT FOR SAFETY SIGNS.

SECTION 016000 - MATERIAL AND EQUIPMENT

1.	DELIVER ALL MANUFACTURED MATERIALS IN THE ORIGINAL PACKAGES, CONTAINERS OR BUNDLES (WITH THE SEALS UNBROKEN) BEARING THE NAME OR IDENTIFICATION MARK OF THE MANUFACTURER.
2.	STORE ALL MATERIALS IN SUCH MANNER AS NECESSARY TO PROPERLY PROTECT IT FROM DAMAGE. MATERIALS OR EQUIPMENT DAMAGED BY HANDLING, WEATHER, DIRT OR FROM ANY OTHER CAUSE WILL NOT BE ACCEPTABLE.
3.	STORE MATERIAL SO AS TO CAUSE NO OBSTRUCTIONS, STORED OFF SIDEWALKS, ROADWAYS AND UNDERGROUND SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL MATERIAL AND EQUIPMENT FURNISHED UNDER THE CONTRACT.
4.	WHERE NOT MORE SPECIFICALLY DESCRIBED IN ANY OF THE VARIOUS SECTIONS OF THESE SPECIFICATIONS, WORKMANSHIP SHALL CONFORM TO ALL OF THE METHODS AND OPERATIONS OF BEST STANDARDS AND ACCEPTED PRACTICES OF THE TRADE OR TRADES INVOLVED, AND SHALL INCLUDE ALL ITEMS OF FABRICATION, CONSTRUCTION OR INSTALLATION REGULARLY FURNISHED OR REQUIRED FOR COMPLETION.
5.	ALL WORK SHALL BE EXECUTED BY MECHANICS SKILLED IN THEIR RESPECTIVE LINES OF WORK.
6.	WHEN A SPECIFIC MANUFACTURER, TRADE NAME OR MATERIAL IS SPECIFIED, OR INDICATED, IT IS TO ESTABLISH A STANDARD OF QUALITY AND SHALL NOT BE CONSTRUED AS LIMITING COMPETITION. IF THE CONTRACTOR DESIRES TO USE A MANUFACTURER, TRADE NAME OR MATERIAL OTHER THAN THAT SPECIFIED, HE SHALL REQUEST APPROVAL OF SUCH SUBSTITUTION, IN WRITING, TO THE ARCHITECT. ALL SUCH REQUESTS SHALL BE SUBMITTED PRIOR TO ORDERING MATERIALS.

SECTION 01650 - BUILDING ADDRESS

1.	CONTRACTOR SHALL PROVIDE AND INSTALL THE BUILDING ADDRESS NUMBER '3600' ON THE BUILDING AS REQUIRED BY CENTRAL ARIZONA FIRE & MEDICAL AUTHORITY AND TOWN OF PRESCOTT VALLEY. THE ADDRESS NUMBER '3600' SHALL BE ON DISPLAY STARTING THE DAY WORKERS ARRIVE TO BEGIN GRADING. A TEMPORARY ADDRESS NUMBER, '3600' AT LEAST 6" IN HEIGHT MAY BE MOUNTED TO THE FENCE IN SEVERAL LOCATIONS FOR EMERGENCY RESPONDERS.

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SECTION 017000 - PROJECT CLOSE-OUT

1.	CONTRACTOR SHALL PROVIDE RECORD DRAWINGS WHICH SHALL CLEARLY SHOW ALL DIFFERENCES BETWEEN THE CONTRACT WORK AS DRAWN AND AS INSTALLED FOR ALL WORK, AS WELL AS WORK ADDED TO THE CONTRACT WHICH IS NOT SHOWN ON THE CONTRACT DRAWINGS.
2.	CONTRACTOR SHALL SUBMIT A FULLY EXECUTED "CERTIFICATE OF SUBSTANTIAL COMPLETION", AIA DOCUMENT G704 (LATEST EDITION) FOR OWNER'S AND ARCHITECT'S SIGNATURES.
3.	UPON COMPLETION OF THE INSTALLATION OF ALL WORK, AND PRIOR TO FINAL INSPECTION, FURNISH ELECTRONIC COPIES OF OWNER'S CLOSE-OUT MANUAL. THE OWNER'S MANUAL SHALL INCLUDE: 1) ALL SUBCONTRACTOR'S NAMES, ADDRESS, PHONE NUMBER AND CONTACT, 2) GENERAL SUBCONTRACTOR'S ONE YEAR WARRANTY, 3) ALL SUBCONTRACTOR'S WARRANTIES, 4) COPY OF THE FINAL CERTIFICATE OF OCCUPANCY, 5) MANUFACTURER'S CUT SHEETS AND PARTS LISTS OF ALL LIGHT FIXTURES, ELECTRICAL GEAR, MECHANICAL AND PLUMBING EQUIPMENT, 6) MECHANICAL CONTRACTOR'S TEST AND BALANCE REPORT. PROVIDE A TABLE OF CONTENTS AND INDEX TABS FOR EACH HEADING.
4.	INSTRUCT OWNER'S PERSONNEL IN OPERATION, ADJUSTMENT, AND MAINTENANCE OF EQUIPMENT AND SYSTEMS.
5.	SUBMIT ALL REQUIRED GUARANTEES TO THE OWNER. PROVIDE WRITTEN GUARANTEE IN ACCORDANCE WITH SUBPARAGRAPH 13.2.2 OF THE GENERAL CONDITIONS. IN ADDITION, PROVIDE ALL WRITTEN GUARANTEES OR CERTIFICATES REQUIRED AS SPECIFIED IN THESE SPECIFICATIONS.
6.	NEITHER FINAL PAYMENT NOR ANY REMAINING RETAINED PERCENTAGE WILL BE PAID TO CONTRACTOR UNTIL ALL OF THE ABOVE PROVISIONS ARE MET AND ALL REQUIREMENTS AS OUTLINED IN THE "GENERAL CONDITION OF THE CONTRACT FOR CONSTRUCTION" AIA DOCUMENT A201 (LATEST EDITION), PARAGRAPH 9.10.2

SECTION 01710 - CLEANING

1.	SAFETY AND INSURANCE STANDARDS: MAINTAIN PROJECT IN ACCORDANCE WITH THE FOLLOWING SAFETY AND INSURANCE STANDARDS: STATE INDUSTRIAL COMMISSION (OF ARIZONA) OSHA
2.	FIRE PROTECTION STORE VOLATILE WASTE IN COVERED METAL CONTAINERS, AND REMOVE FROM PREMISES DAILY.
3.	POLLUTION CONTROL: CONDUCT CLEAN-UP AND DISPOSAL OPERATIONS TO COMPLY WITH LOCAL ORDINANCES AND ANTI-POLLUTION LAWS. BURNING OR BURYING OF RUBBISH AND WASTE MATERIAL ON THE PROJECT SITE IS NOT PERMITTED DISPOSAL OF VOLATILE FLUID WASTE (SUCH AS MINERAL SPIRITS, OIL, OR PAINT THINNER) IN STORM OR SANITARY SEWER SYSTEMS OR INTO STREAMS OR WATERWAYS IS NOT PERMITTED.
4.	USE ONLY CLEANING MATERIALS RECOMMENDED BY MANUFACTURER OF SURFACE TO BE CLEANED.
5.	THE CONTRACTOR SHALL KEEP THE PREMISES AND SURROUNDING AREA FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY OPERATIONS UNDER THE CONTRACT. AT COMPLETION OF THE WORK THE CONTRACTOR SHALL REMOVE FROM AND ABOUT THE PROJECT WASTE MATERIALS, RUBBISH, THE CONTRACTOR'S TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY AND SURPLUS MATERIALS.
6.	IF THE CONTRACTOR FAILS TO CLEAN UP AS PROVIDED IN THE CONTRACT DOCUMENTS, THE OWNER MAY DO SO AND THE COST THEREOF SHALL BE CHARGED TO THE CONTRACTOR.
7.	PROVIDE FOR THE DISPOSAL OF ALL WASTE PRODUCTS, TRASH, DEBRIS, ETC., AND MAKE NECESSARY ARRANGEMENT FOR LEGAL DISPOSAL OF IT OFF THE SITE.
8.	MAKE BUILDINGS READY FOR OCCUPANCY IN ALL RESPECTS. LAY HEAVY BUILDING PAPER IN MAIN CIRCULATION AREAS TO PROTECT THE FLOORS UNTIL FINAL INSPECTION AND ACCEPTANCE.
9.	ALL EXISTING IMPROVEMENTS, INSIDE OR OUTSIDE THE PROPERTY WHICH ARE DISTURBED, DAMAGED OR DESTROYED BY THE WORK UNDER THE CONTRACT SHALL BE RESTORED TO THE CONDITION IN WHICH THEY ORIGINALLY WERE, OR TO THE SATISFACTION OF THE ARCHITECT.
10.	CONTRACTORS AND THEIR EMPLOYEES WILL NOT BE ALLOWED TO PARK ON CONCRETE FLOORS OR SLABS. IF ANY CONTRACTOR OR HIS EMPLOYEE DOES SO, THEY SHALL BE RESPONSIBLE FOR THE COST OF CLEANING THE SLAB TO THE FULL SATISFACTION OF THE OWNER AND AT NO COST TO THE OWNER.

DIVISION 2 - SITEWORK

SECTION 02075 DUST (PARTICULATE MATTER) CONTROL

1.	THE GENERAL CONTRACTOR AND ALL OF THEIR SUBCONTRACTORS SHALL MEET ALL LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS AND SHALL BE SOLELY RESPONSIBLE FOR DUST CONTROL ON THE SITE FOR THE ENTIRE DURATION OF CONSTRUCTION AND SHALL STRICTLY CONFORM TO THESE REGULATIONS.

SECTION 02100 - SITE PREPARATION AND GRADING

1.	COMPLETE SOIL INVESTIGATION REPORT IS AVAILABLE FROM THE ARCHITECT FOR BIDDER'S INFORMATION. NEITHER THE OWNER NOR THE ARCHITECT GUARANTEES THE ACCURACY OF THE REPORT NOR THE CONTINUITY OF THE SOIL CONDITIONS INDICATED AT BORING LOCATIONS. BIDDERS ARE FULLY RESPONSIBLE FOR INTERPRETATIONS OR CONCLUSIONS THEY DRAW FROM THE SOIL REPORT.
2.	UNLESS OTHERWISE INDICATED, GIVE PROJECT SITE AREAS OUTSIDE OF BUILDING UNIFORM SLOPES BETWEEN POINTS FOR WHICH FINISHED GRADES ARE INDICATED OR BETWEEN SUCH POINTS AND EXISTING ESTABLISHED GRADE, EXCEPT PROVIDE VERTICAL CURVES OR ROUNDINGS AT ABRUPT CHANGES IN SLOPES.
3.	DO ALL GRADING REQUIRED TO BRING THE ENTIRE PROJECT AREA TO THE UNDERSIDE OF THE RESPECTIVE SURFACING AS DETERMINED BY THE FINISHED GRADES.
4.	COMPACTION OF FILLS AND FOUNDATION SOILS SHALL BE IN HORIZONTAL LIFTS NOT EXCEEDING 6" IN THICKNESS. COMPACT TO THE PERCENT OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH REQUIREMENTS OF THE SOILS REPORT.
5.	AT AREAS DESIGNATED AS PLANTING OR PLANTERS, CONTRACTOR SHALL PLACE TOPSOIL TO A DEPTH OF 12" TO REQUIRED ELEVATION.

SECTION 02220 - STRUCTURE EXCAVATION AND BACKFILLING

1.	SITE AND BUILDING STAKING SHALL BE INCLUDED IN THE CONTRACTOR'S BASE BID.
2.	LAYOUT OF ALL WORK UNDER THIS SECTION SHALL BE MADE BY A LICENSED LAND SURVEYOR OR CIVIL ENGINEER. IF ANY DISCREPANCIES ARE FOUND BY THE SURVEYOR BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS AT THE SITE, THE CONTRACTOR SHALL IMMEDIATELY REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING.
3.	BEFORE BEGINNING THE LAYOUT WORK,THE CONTRACTOR SHALL HAVE A FULL AND COMPLETE SET OF THE MOST UP-TO-DATE PLANS TO WORK FROM. THE CONTRACTOR AND LAND SURVEYOR SHALL LAY OUT THE BUILDING AND SITE PER THE FULL AND COMPLETE SET, NOT JUST THE LATEST CIVIL PLANS.
4.	THE LICENSED LAYOUT CONTRACTOR SHALL LAY OUT THE BUILDING PERIMETER PER THE MOST CURRENT ARCHITECTURAL FLOOR PLAN. STAKING CONTRACTOR SHALL CONTACT ARCHITECT AND REQUEST THE LATEST AUTOCAD FLOOR PLAN AND SITE PLAN.
5.	THE LICENSED LAYOUT CONTRACTOR SHALL THOROUGHLY COMPARE THE ARCHITECTURAL SITE PLAN AND THE CIVIL GRADING AND DRAINAGE PLAN FOR ANY DISCREPANCIES. IF ANY DISCREPANCIES ARE FOUND BY THE SURVEYOR BETWEEN THESE PLANS, THEN THE CONTRACTOR SHALL IMMEDIATELY REQUEST A CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING.
6.	THE CONTRACTOR'S SUPERINTENDENT AND THE CONCRETE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR DOUBLE CHECKING THE FIELD STAKING OF THE BUILDING LOCATION AND BUILDING LAYOUT PRIOR TO EXCAVATING FOR FOOTINGS.
7.	IN THE EVENT THAT ANY UNUSUAL CONDITION IS ENCOUNTERED DURING THE GRADING OPERATIONS, THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED.
8.	CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATIONS OF ALL EXISTING UTILITIES AND SHALL TAKE PRECAUTIONS AS NECESSARY TO PREVENT DAMAGE THERETO AND SHALL BE RESPONSIBLE FOR PAYING FOR REPAIRING ALL DAMAGED UTILITIES AT NO ADDITIONAL COST TO THE OWNER.
9.	ANY DAMAGE TO ADJACENT PROPERTIES, STREET, AND THE LIKE CAUSED BY OPERATIONS OF THIS SECTION SHALL BE RESTORED TO ORIGINAL CONDITION WITHOUT ADDITIONAL COST TO THE OWNER.
10.	SHOULD ADDITIONAL FILL MATERIAL BE REQUIRED, IT SHALL MEET THE REQUIREMENTS OF THE SOILS REPORT.
11.	THE APPROVED AND LICENSED TESTING SERVICE SHALL INSPECT AND APPROVE SUB GRADE BEFORE FURTHER CONSTRUCTION WORK IS PERFORMED THEREON. SEE SECTION 02100 FOR SOILS TESTING REQUIREMENTS.
12.	EXCAVATIONS FOR FOUNDATIONS AND FOOTINGS SHALL HAVE CLEAN VERTICAL WALLS, ALL CORNERS SQUARED UP, KEEP ENTIRE EXCAVATION FREE FROM ANY LOOSE MATERIAL EXCAVATION SHALL CONFORM TO DIMENSIONS AND ELEVATIONS INDICATED WITH ALLOWANCES FOR ERECTION OF FORMS, SHORING, WATERPROOFING, AND INSPECTION OF FOOTINGS.
13.	REMOVE ALL EXCESS EXCAVATED MATERIAL (IF OCCURS) FROM THE GROUNDS AND LEGALLY DISPOSE OF SAME AT NO ADDITIONAL EXPENSE TO THE OWNER.
14.	AFTER COMPLETION OF THE FOUNDATIONS, WALLS AND OTHER CONSTRUCTION, AND REMOVAL OF FORMS, CLEAN THE EXCAVATIONS OF TRASH AND DEBRIS.
15.	BACKFILL AND COMPACT PIPE AND CONDUIT TRENCHES PER THE SOILS REPORT.
16.	COMPACTION OF UNDER-SLAB FILL AND BACKFILL SHALL BE IN HORIZONTAL LIFTS NOT EXCEEDING 6" IN THICKNESS. COMPACT TO THE PERCENT OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH REQUIREMENTS OF SOILS REPORT. GRADE UNDER-SLAB FILL TO A TOLERANCE OF 1/4" IN TEN FEET.

SECTION 02510 - PAVING - ASPHALTIC CONCRETE

1.	PROVIDE ASPHALTIC CONCRETE PAVING IN ONE COURSE, COMPACTED TO A THICKNESS AS SHOWN ON GRADING & DRAINAGE PLANS AND AS REQUIRED BY THE SOILS REPORT. IF THERE IS A CONFLICT BETWEEN THE TWO, THEN THE THICKEST SECTIONS SHALL BE USED.
2.	MAXIMUM SLOPE (IN ALL DIRECTIONS) OF PAVING WITHIN A HANDICAP PARKING STALL OR AISLE SHALL NOT EXCEED 1:50 (2%). CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THAT THE GRADING & DRAINAGE PLAN DOES NOT EXCEED THESE REQUIREMENTS, PRIOR TO FINAL GRADING WORK.
3.	ASPHALT CEMENT SHALL CONFORM TO THE REQUIREMENTS OF AI PCD-7 GRADE AR 4000 OR AR 8000 BASED ON WEATHER CONDITIONS.
4.	PLACING EQUIPMENT: THE POWER MACHINE FOR SPREADING, SHAPING, AND FINISHING SHALL BE OF A SELF-CONTAINED UNIT AND SHALL BE CAPABLE OF PRODUCING THE REQUIRED DEGREE OF SMOOTHNESS.
5.	MINERAL AGGREGATE SHALL CONFORM TO MAG TYPE 19MM
6.	ROLLING EQUIPMENT: PROVIDE ADEQUATE POWER-DRIVE ROLLING EQUIPMENT, WEIGHING NOT LESS THAN 8 TONS.
7.	PROTECTION OF PAVEMENT: THE PAVEMENT SHALL NOT BE USED FOR VEHICULAR TRAFFIC OF ANY KIND UNTIL THE PAVEMENT HAS COOLED SUFFICIENTLY AFTER FINAL ROLLING.

SECTION 02580 - TRAFFIC CONTROL MARKINGS

1.	PROVIDE ALL TRAFFIC CONTROL MARKINGS FOR THE DELINEATION OF TRAFFIC LANES AND FOR PARKING AREAS. PAINTING IS TO INCLUDE ALL STRIPING, DIRECTIONAL ARROWS, CROSS WALKS, LETTERING, RESTRICTION, HANDICAP STALLS, FIRE LANES, ETC. THAT MAY BE REQUIRED FOR TRAFFIC CONTROL. COLORS TO BE WHITE, EXCEPT AT HANDICAP STALLS USE YELLOW.
2.	PAINT SHALL CONFORM TO THE REQUIREMENTS OF FS TT-P-85 FOR TRAFFIC LINE PAINTS.

DIVISION 3 - CONCRETE

SECTION 03061 - INTEGRAL COLORED CONCRETE FLATWORK

1.	REFERENCES: 1.1 AMERICAN CONCRETE INSTITUTE ACI 301 - STRUCTURAL CONCRETE FOR BUILDINGS. ACI 306 - COLD WEATHER CONCRETING. 1.2 AMERICAN SOCIETY FOR TESTING AND MATERIALS: ASTM C309 - LIQUID MEMBRANE-FORMING COMPOUNDS FOR CURING CONCRETE. ASTM C979 - PIGMENTS FOR INTEGRALLY COLORED CONCRETE.
2.	QUALITY ASSURANCE: 2.1 PERFORM WORK IN ACCORDANCE WITH ACI 301, SECTION 6 - ARCHITECTURAL CONCRETE. 2.2 CONFORM TO ACI 306 DURING COLD WEATHER. 2.3 OBTAIN EACH MATERIAL FROM SAME SOURCE AND MAINTAIN HIGH DEGREE OF CONSISTENCY IN WORKMANSHIP THROUGHOUT PROJECT. 2.4 INSTALLER QUALIFICATIONS: CONCRETE WORK SHALL BE BY FIRM WITH FIVE YEARS EXPERIENCE WITH WORK OF SIMILAR SCOPE AND QUALITY.
3.	FINISH AT EXTERIOR FLATWORK SHALL BE LIGHT - BROOMED, PULL BROOM ACROSS FRESHLY TROWELED CONCRETE TO PRODUCE LIGHT TEXTURE IN STRAIGHT LINES PERPENDICULAR TO MAIN LINE OF TRAFFIC. DO NOT DAMPEN BROOMS.

SECTION 03100 - CONCRETE FORMWORK

1.	DESIGN THE FORMWORK IN ACCORDANCE WITH ACI 301 AND 347
2.	PROVIDE FORMS FOR ALL CONCRETE, EXCEPT THAT AUTHORIZED TO BE PLACED DIRECTLY AGAINST EARTH IN TRENCHES.
3.	THE OFFSET BETWEEN ADJACENT PIECES OF FORMWORK FACING MATERIAL SHALL NOT EXCEED CLASS A (1/8") SURFACE PER ACI-117-90
4.	CONSTRUCT OF PLYWOOD OR APPROVED PATENTED FORMWORK SYSTEMS WITH PLYWOOD OR METAL FACINGS WITH AS LARGE A FACE DIMENSION AS POSSIBLE.
5.	INSTALL ALL BUCKS, NAILING BLOCKS, INSERTS, ANCHORS, AS REQUIRED. FORM ALL GROOVES, SEATS, REGLETS, ETC., AS REQUIRED TO RECEIVE THE MATERIAL AND EQUIPMENT INDICATED.
6.	CONTRACTOR SHALL INSTALL FORM OIL PER MANUFACTURER'S RECOMMENDATIONS.
7.	ALL DIRT, CHIPS, SAWDUST, RUBBISH, WATER, ETC., SHALL BE COMPLETELY REMOVED FROM THE FORMS BEFORE ANY CONCRETE IS DEPOSITED THERE IN.
8.	NO WOODEN TIES OR BLOCKING SHALL BE LEFT IN CONCRETE.
9.	AFTER FORMS ARE STRIPPED, THE CONCRETE, WHERE EXPOSED TO VIEW SHALL BE TREATED AS FOLLOWS: 1.) REMOVE ALL MORTAR FINS AND REPAIR ROCK POCKETS OR HONEYCOMB. 2.) SACK FINISH TO FILL MINOR VOIDS AND PITS IN THE SURFACE.

SECTION 03300 - CONCRETE, CAST-IN-PLACE

1.	STANDARD FOR MEASURING, MIXING, TRANSPORTING AND PLACING OF CONCRETE SHALL BE ACI-304. STANDARD FOR MEASURING, MIXING AND DELIVERY OF READY MIXED CONCRETE SHALL BE ASTM C-94, EXCEPT THAT TIME IN MIXER AFTER WATER HAS BEEN ADDED AT BATCH PLANT IS LIMITED TO 1-1/2 HOURS MAXIMUM. IF THIS LIMIT IS EXCEEDED, THE ARCHITECT HAS THE RIGHT TO REJECT THE ENTIRE LOAD AND IT WILL BE ORDERED REMOVED FROM THE SITE.
2.	EXTERIOR CONCRETE FLATWORK THICKNESSES AND REINFORCING SHALL BE AS FOLLOWS: 2.1 AT ALL PEDESTRIAN SIDEWALKS INSTALL 4" CAST-IN-PLACE CONCRETE OVER 4" COMPACTED ABC FILL OVER COMPACTED SUB-GRADE. TURN DOWN ALL EDGES OF SIDEWALKS A MINIMUM OF 8" BELOW ADJACENT FINISH GRADE. REFER TO CIVIL PLANS FOR SLAB THICKNESS AND REINFORCING.
3.	TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF ACI 117, STANDARD SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS, PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE, DETROIT MICHIGAN.
4.	FLOOR FLATNESS / LEVELNESS REQUIREMENTS: 4.1 FLOOR FLATNESS (FF) CLASSIFICATIONS SHALL BE PER ASTM E 1155 (LATEST EDITION) (STANDARD TEST METHOD FOR DETERMINING FLOOR FLATNESS AND LEVELNESS USING THE F-NUMBER SYSTEM), SHALL MEET THE SPECIFIED OVERALL VALUES PROVIDED AS FOLLOWS: 4.2 ALL SLABS SHALL HAVE A COMPOSITE FLATNESS (FF) OF 50 AND A COMPOSITE LEVELNESS (FL) OF 30. 4.3 THE FLOOR FLATNESS AND LEVELNESS SHALL BE TESTED WITHIN 8 HOURS AFTER COMPLETION OF THE FINAL TROWELING OPERATION ACCORDING TO ASTM E1155 -96 STANDARD TEST METHOD FOR DETERMINING FLOOR FLATNESS AND FLOOR LEVELNESS NUMBERS, BY AN INDEPENDENT TESTING AGENCY EXPERIENCED WITH THE TESTING PROCEDURE AND POSSESSING THE NECESSARY EQUIPMENT. ALL FLATWORK THAT IS DETERMINED TO BE OUT OF TOLERANCES SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER. 4.4 THE MINIMUM LOCAL VALUE (MLV) FOR ALL FLOORS SHALL BE 2/3 OF THE SPECIFIED OVERALL VALUES. THE MLV IS THE MINIMUM QUALITY FLOOR THAT WILL BE ACCEPTED BY THE OWNER WITHOUT REPAIR.
5.	CONCRETE TESTS WILL BE MADE BY AN APPROVED INDEPENDENT TESTING LABORATORY AT THE DIRECTION OF THE ARCHITECT. APPROXIMATELY ONE TEST WILL BE MADE FOR EACH 50 CUBIC YARDS OF EACH CLASS OF CONCRETE WHEN PLACED IN LARGE CONTINUOUS POURS. AT LEAST ONE TEST SHALL BE MADE OF POURS LESS THAN 50 CUBIC YARDS AT THE DISCRETION OF THE ARCHITECT. TESTS SHALL BE MADE FOR 7 DAY, 28 DAY STRENGTH AND 45 DAY STRENGTH.
6.	FINISHES: ALL CONCRETE SURFACES NOT EXPOSED TO PUBLIC VIEW SHALL HAVE ROUGH FORM FINISH. ALL EXPOSED SURFACES SHALL HAVE SMOOTH FORM FINISHES.
7.	EXPANSION / CONSTRUCTION JOINT FILLER: ASTM D-1751, NON EXTRUDED, RESILIENT TYPE, USE EXPANSION / CONSTRUCTION JOINT FILLER AT; INTERRUPTING OBJECTS OR COLUMNS; PERIMETER OF ALL SLABS ON GRADE THAT BUTT INTO WALLS, AND AT ALL LOCATIONS SHOWN IN THE STRUCTURAL PLANS. AT ALL EXPANSION / CONSTRUCTION JOINTS USE WR MEADOWS SNAP-CAP, 1/2" W x 1/2" D. OVER THE EXPANSION JOINT MATERIAL. REMOVE SNAP-CAP AND DISCARD PRIOR TO INSTALLING SEALANT.
8.	FINISH CONCRETE FLATWORK AS FOLLOWS: 8.1 SMOOTH HARD TROWEL FINISH AT ALL INTERIOR FLATWORK. 8.2 LIGHT BROOM FINISH AT ALL EXTERIOR FLATWORK. 8.3 EXTERIOR CONCRETE SIDEWALKS, STEPS AND LANDINGS TO HAVE A NON-SLIP FINISH TO PROVIDE A COEFFICIENT OF FRICTION OF 0.6 OR GREATER.

REVISIONS	BY
1 TOPV COMMENTS 6-30-2020	LO

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Specifications Continued

9.	CROSS SLOPE OF ALL CONCRETE SIDEWALKS SHALL NOT EXCEED 1:48. IF CONTRACTOR DETERMINES THAT THE GRADING & DRAINAGE PLAN SHOWS GRADES THAT EXCEED THIS SLOPE, THEN CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY, PRIOR TO ROUGH GRADING THE AREA.
10.	SLOPE OF CONCRETE SIDEWALKS, ALONG ITS LENGTH, SHALL NOT EXCEED 1:20 (5%). IF CONTRACTOR DETERMINES THAT THE GRADING & DRAINAGE PLAN SHOWS GRADES THAT EXCEED THIS SLOPE THEN CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY, PRIOR TO ROUGH GRADING THE AREA.
11.	PLACE CONSTRUCTION JOINTS AND CONTROL JOINTS WHERE REQUIRED. REINFORCING SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS AND CONTROL JOINTS. NO CONCRETE POUR SHALL BE LONGER THAN 100 FEET OR MORE THAN 900 SQUARE FEET IN AREA. PROVIDE SHEAR KEYS AS DETAILED. AT ALL EXTERIOR SLABS-ON-GRADE PROVIDE A 1/2" WIDE CONTROL JOINT (SEE PARAGRAPH 7 ABOVE) WHEREVER SLABS ABUT VERTICAL CONSTRUCTION ELEMENTS, WHETHER INDICATED OR NOT.
12.	SAW-CUT FLOOR SLABS AS SOON AS POSSIBLE AFTER FINISHING USING A SAW BLADE THAT HAS A TRIANGULAR ARBOR CONFIGURATION TO REDUCE EDGE RAVELING OR DISLODGING AGGREGATES. SAW-CUT CONTROL JOINTS IN FLOOR TO A DEPTH OF ONE-FIFTH OF THE SLAB THICKNESS AT INTERVALS NOT TO EXCEED 12 FEET ON CENTER IN EACH DIRECTION, UNLESS APPROVED BY THE ARCHITECT IN WRITING PRIOR TO POURING OF THE FLATWORK. CONTRACTOR SHALL PROVIDE A SCALED DRAWING SHOWING THE LAYOUT OF SAW-CUT CONTROL JOINTS, AT ALL FLATWORK, TO ARCHITECT FOR APPROVAL PRIOR TO POURING THE FLATWORK.
13.	WHEN REQUIRED TO CORRECT ANY UNSATISFACTORY FLOOR SURFACE DUE TO UNDUE SETTLEMENT, SHRINKAGE OR CRACKING, LEVELING AGENT SHALL BE USED, EXCEPT AT AREAS THAT ARE EXPOSED TO VIEW. THIS WORK SHALL BE PERFORMED AT NO COST TO THE OWNER.
14.	WHEN REQUIRED TO CORRECT ANY SLAB ON GRADE CURLING, THE CONTRACTOR SHALL GRIND FLOOR, AS REQUIRED FOR SPECIFIC FLOOR FINISH AT NO COST TO THE OWNER.

SECTION 03400 - CONCRETE CURING COMPOUND

1.	ALL INTERIOR SLABS ON GRADE ARE TO BE CURED ACCORDING TO ACI.
2.	CURING COMPOUND IS TO MEET ASTM C 309, LIQUID MEMBRANE FORMING COMPOUNDS FOR CURING CONCRETE.
3.	CURING COMPOUND IS TO BE DAYTON SUPERIOR, CITY CLEAR RESIN CURE J11W, OR APPROVED EQUAL.
4.	CURING COMPOUND SHALL BE APPLIED BY LOW PRESSURE SPRAY EQUIPMENT PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
5.	APPLY IMMEDIATELY AFTER ALL SURFACE WATER HAS DISAPPEARED AND THE SURFACE CANNOT BE MARRED. ALL APPLICATION EQUIPMENT AND TOLLS SHALL BE THOROUGHLY CLEANED PRIOR TO USE TO AVOID CONTAMINATION. DO NOT THIN. APPLY UNIFORMLY WITHOUT PUDDLING. DO NOT DELAY IN APPLYING THE CURING COMPOUND!
6.	COVERAGE RATE FOR EXTERIOR BROOM FINISHED CONCRETE IS TO BE 200 SF/GAL., FOR STEEL TROWELED, TIGHTLY FINISHED CONCRETE IS TO BE 400 SF/GAL.
7.	INSTALLING CONTRACTOR AND THEIR INSTALLING EMPLOYEES SHALL BE REQUIRED TO CAREFULLY READ THE MSDS SHEETS PRIOR TO USING PRODUCT. A COPY OF THE MSDS SHEETS SHALL BE ON JOBSITE DURING THE ENTIRE INSTALLATION FOR EMPLOYEES EXAMINATION.
8.	CURING COMPOUNDS WILL BE REQUIRED TO BE REMOVED FROM ALL INTERIOR SLABS ON GRADE WITH HIGH PRESSURE WATER BLASTING, OR CHEMICAL REMOVAL MAY BE NECESSARY. CONTRACTOR SHALL TEST THE SLABS BY PLACING A FEW DROPS OF WATER ON THE SURFACE AND SEE IF THE WATER IS READILY ABSORBED INTO THE CONCRETE. IF IT IS READILY ABSORBED, THEN ADDITIONAL CLEANING WILL NOT BE REQUIRED.

DIVISION 4 - MASONRY

SECTION 04100 - MORTAR AND GROUT

1.	NON-SHRINK GROUT SHALL BE GRADE B AND BE PROVIDED IN ACCORDANCE WITH ASTM 1107-89A.
2.	WET MORTARBOARD BEFORE LOADING AND COVER MORTAR TO RETARD DRYING WHEN NOT BEING USED. USE ALL MORTAR AND GROUT WITHIN ONE HOUR OF INITIAL MIXING AND USE NO MORTAR OR GROUT AFTER IT HAS BEGUN TO SET UP OR AFTER IT HAS BECOME HARSH OR NON-PLASTIC.
3.	CEMENT FOR MORTAR AND GROUT SHALL BE TYPE II, LOW ALKALI PORTLAND CEMENT CONFORMING TO ASTM C-150, STANDARD GRAY. ALL CEMENT SHALL BE FROM ONE MANUFACTURER.
4.	AGGREGATE FOR GROUT SHALL CONFORM TO ASTM D-448, COARSE AGGREGATE, SIZE NO. 8.
5.	AGGREGATE FOR MORTAR SHALL CONFORM TO ASTM C-144, EXCEPT THAT NO LESS THAN 3% OR MORE THAN 10% SHALL PASS A NO. 100 SIEVE.
6.	SAND FOR GROUT SHALL CONFORM TO ASTM C-404, FINE AGGREGATE, SIZE NO. 1.
7.	HYDRATED LIME SHALL CONFORM TO ASTM C-207, TYPE S.
8.	MORTAR FOR CONCRETE UNIT MASONRY SHALL BE FRESHLY PREPARED AND UNIFORMLY MIXED IN RATIO ONE PART PORTLAND CEMENT, 1/2 PART LIME, 3-4 PARTS SAND, AND SHALL CONFORM TO ASTM C-270. TYPE S.
9.	FINE GROUT SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT, TO WHICH MAY BE ADDED 1/10 PART HYDRATED LIME OR LIME PUTTY, AND 2-1/4 TO 3 PARTS SAND.
10.	COURSE GROUT SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT, TO WHICH MAY BE ADDED 1/10 PART HYDRATED LIME OR LIME PUTTY AND 2-1/4 TO 3 PARTS SAND, AND NOT MORE THAN 2 PARTS AGGREGATE (GRAVEL). THIS GROUT MAY ONLY BE USED IN GROUT SPACES IN BRICK MASONRY 2" OR MORE IN HORIZONTAL DIMENSION AND IN GROUT SPACES IN FILLED CELL CONSTRUCTION 4" OR MORE IN BOTH HORIZONTAL DIMENSIONS.
11.	MORTAR MIXING: ADD SAND, CEMENT AND MIX, THEN ADD LIME. MIX MORTAR AFTER ALL INGREDIENTS ARE ADDED TO MIXER FOR AT LEAST 5 MINUTES OR UNTIL A THOROUGHLY UNIFORM MIX IS OBTAINED, WHICHEVER PERIOD IS LONGER. ADJUST CONSISTENCY OF MORTAR TO THE SATISFACTION OF THE MASON, ADDING AS MUCH WATER AS IS COMPATIBLE WITH THE CONVENIENCE IN USING THE MORTAR. IF THE MORTAR BEGINS TO STIFFEN FROM EVAPORATION OR ABSORPTION OF A PART OF THE MIXING WATER, RE-TEMPER MORTAR BY ADDING WATER WITHIN BASIN FORMED BY MORTAR AND RE-MIXING.
12.	GROUT MIXING: MIX GROUT AFTER ALL INGREDIENTS ARE ADDED TO MIXER FOR A PERIOD OF AT LEAST 5 MINUTES OR UNTIL A THOROUGHLY UNIFORM MIX HAS BEEN OBTAINED, WHICHEVER PERIOD IS LONGER. GROUT SHALL HAVE AS HIGH A WATER CONTENT AS IN CONSISTENT WITH PLACING AND WORKABILITY WITHOUT SEGREGATION.

SECTION 04220 - CONCRETE UNIT MASONRY

1.	CONCRETE UNIT MASONRY SHALL BE STANDARD SHAPE MEDIUM WEIGHT (CONFORMING TO ASTM C90), GRADE 'N-1', LOAD BEARING, HOLLOW, AS MANUFACTURED BY YAVAPAI BLOCK CO. INC., OR APPROVED EQUAL. REFER TO PLANS FOR COLORS AND TEXTURES.
2.	NOT ALL MASONRY LINTELS MAY BE SHOWN ON THE STRUCTURAL PLANS. THE MASONRY SUBCONTRACTOR SHALL BE RESPONSIBLE FOR CAREFULLY REVIEWING THE MECHANICAL PLANS FOR DUCT PENETRATIONS AND EXTERIOR WALL LOUVERS IN MASONRY WALLS, AND INCLUDE THE INSTALLATION OF MASONRY LINTELS FOR THESE MASONRY PENETRATIONS IN THEIR BASE BID PER THE APPROPRIATE STRUCTURAL DETAILS.
3.	UNITS SHALL BE CURED AND DRIED BEFORE BEING USED. SURFACE OF UNITS SHALL BE CLEAN AND FREE FROM DIRT WHEN LAID IN WALLS. UNITS COMPLYING WITH THE APPROPRIATE ASTM STANDARDS SHALL NOT BE LAID IN THE WALL WHERE EXPOSED TO VIEW.
4.	CONTRACTOR SHALL TRANSPORT AND HANDLE MASONRY UNITS IN SUCH A MANNER AS TO PREVENT CHIPPING AND BREAKAGE.
5.	ALL MASONRY SHALL BE PER ASTM C90 AND 2012 INTERNATIONAL BUILDING CODE STANDARDS FOR 'HOLLOW AND SOLID LOAD-BEARING CONCRETE MASONRY UNITS'.
6.	WHEN REQUIRED, EXPOSED BLOCK UNITS SHALL BE CUT WITH A POWER DRIVEN CARBORUNDUM OR DIAMOND DISC BLADE SAW. WHEN USING 'WET' CUTTING METHODS, CLEAN WATER SHALL BE USED ON EXPOSED UNITS.
7.	A L.A.Z. (LIMITED ACCESS ZONE) SHALL BE ESTABLISHED WHENEVER A MASONRY WALL IS BEING CONSTRUCTED PER O.S.H.A. REGULATION 706A.
8.	ALL MASONRY WALLS OVER 8 FEET IN HEIGHT SHALL BE ADEQUATELY BRACED PER O.S.H.A. REGULATIONS 706B.
9.	TOLERANCES SHALL CONFORM TO ACI-531, EXCEPT AS OTHERWISE NOTED.
10.	LAY UNITS IN UNIFORM AND TRUE COURSES; LEVEL AND PLUMB TO HEIGHT INDICATED ON PLANS.
11.	UNITS SHALL NOT BE WETTED BEFORE BEING USED AND SHALL BE LAID DRY.
12.	BOND PATTERN SHALL BE REGULAR RUNNING BOND.
13.	BOND SHALL BE PLUMB THROUGHOUT FACE OF WALL.
14.	JOINTS SHALL BE STRAIGHT, CLEAN AND A UNIFORM 3/8" THICKNESS.
15.	ALL EXPOSED VERTICAL AND HORIZONTAL JOINTS AT STANDARD UNITS SHALL BE TOOLED TO PRODUCE A DENSE, SLIGHTLY CONCAVE SURFACE WHICH IS WELL BONDED TO THE BLOCK EDGES.
16.	UNEXPOSED INTERIOR JOINTS SHALL BE STRUCK FLUSH.
17.	SOLIDLY FILL JOINTS FROM THE FACE OF THE UNIT TO THE DEPTH OF THE FACE SHELL, EXCEPT WHERE SPECIFIED OTHERWISE.
18.	FULL BEDDING TO BE PROVIDED FOR THE FIRST COURSE ON THE FOUNDATION AND WHEREVER MAXIMUM STRENGTH IS REQUIRED.
19.	BUTTER VERTICAL HEAD JOINTS WELL AND SHOVE THESE JOINTS TIGHT SO THAT THE MORTAR BONDS WELL TO BOTH UNITS.
20.	FULL COVERAGE TO BE PROVIDED ON BED OF FACE SHELLS AND WEBS SURROUNDING CELLS TO BE FILLED.
21.	BEE HOLES OR OTHER OPEN JOINTS SHALL BE FILLED AND TOOLED WITH MORTAR WHILE MORTAR IS STILL FRESH.
22.	SOILED MASONRY FROM MORTAR AND GROUT SPILLS WHICH WILL BE EXPOSED TO VIEW AT THE COMPLETION OF THE PROJECT SHALL BE CLEANED IMMEDIATELY WITH STIFF FIBER BRUSHES UNTIL THE WALL IS FREE OF DROPPED OR SPATTERED MORTAR.
23.	BUILD IN ALL ITEMS REQUIRED FOR A COMPLETE JOB, INCLUDING REINFORCING STEEL, BOLTS, ANCHORS, NAILING BLOCKS, DOOR AND WINDOW FRAMES, PIPES, CONDUITS AND VENTS. PROVIDE TEMPORARY BRACING FOR ALL MASONRY WALLS AND LEAVE IN PLACE UNTIL MASONRY IS CURED AND THE ROOF DIAPHRAGM IS SECURED IN PLACE.
24.	CONTROL JOINT FILL SHALL BE FACTORY EXTRUDED SOLID SECTION OF RUBBER CONFORMING TO ASTM D-2000, 2AA-805, WITH A DUROMETER HARDNESS OF APPROXIMATELY 80 WHEN TESTED IN CONFORMANCE WITH ASTM D-2240. THE SHEAR SECTION IS TO BE 5/8" THICKNESS.
25.	REINFORCING STEEL IS TO BE IN PLACE AND INSPECTED BEFORE GROUTING STARTS. VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS CELL AREA. GROUT BEAMS OVER OPENINGS AND BOND BEAMS IN A CONTINUOUS OPERATION. SOLIDLY GROUT IN PLACE ALL BOLTS, ANCHORS, ETC.
26.	UPON COMPLETION OF THE MASONRY WORK, CLEAN ALL EXPOSED MASONRY IN AN APPROVED MANNER.

DIVISION 5 - METALS

SECTION 05100 - STRUCTURAL METAL FRAMING

1.	FURNISH, FABRICATE AND ERECT THE FOLLOWING ITEMS OF STRUCTURAL METAL, INCLUDING BUT NOT LIMITED TO COLUMNS, BEAMS AND LINTELS.
2.	THE MISCELLANEOUS STEEL SHOP DRAWINGS SHALL BE PREPARED BY AN EXPERIENCED COMPANY THAT IS LOCATED WITHIN THE STATE OF ARIZONA.
3.	FURNISH, FABRICATE AND DELIVER TO THE JOB THE FOLLOWING ITEMS OF STRUCTURAL METAL, INCLUDING BUT NOT LIMITED TO: MASONRY BEARING PLATES, ANCHOR BOLTS AND SHELF ANGLES.
4.	METAL PRIMER SHALL BE TNEMEC 10-1009. APPLY TO WET THICKNESS OF 4.5 MILS.
5.	CONFORM WITH AISC 'SPECIFICATIONS FOR DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS', AISC 'CODE OF STANDARD PRACTICE' AND THE APPLICABLE BUILDING CODES.
6.	WELDERS SHALL BE DULY QUALIFIED IN THE POSITION IN WHICH THEY ARE TO WELD AND THE QUALIFICATIONS AND SPECIFICATIONS FOR WORKMANSHIP SHALL COMPLY WITH THE AWS REQUIREMENTS 'AWS SPECIFICATIONS FOR BUILDING'.

SECTION 05500 - MISCELLANEOUS METALS

1.	THE TYPES OF MISCELLANEOUS METAL ITEMS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: LOOSE BEARING PLATES MISCELLANEOUS FRAMING AND SUPPORTS MISCELLANEOUS STEEL ANGLE EDGES AT FLOOR PITS EXTERIOR CANOPIES STEEL PIPE BOLLARDS STEEL SWING GATES
2.	COMPLY WITH THE FOLLOWING CODES, STANDARDS AND SPECIFICATIONS: 2.1 AISC 'SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS,' INCLUDING 'COMMENTARY OF THE AISC SPECIFICATIONS'. 2.2 AISC 'SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS'. 2.3 AWS 'CODE FOR WELDING IN BUILDING CONSTRUCTION. 2.4 ASTM A-6 'GENERAL REQUIREMENTS FOR DELIVERY OF ROLLED STEEL PLATES, SHAPES, SHEET PIPING AND BARS FOR STRUCTURAL USE'.
3.	USE MATERIALS OF REQUIRED SIZE AND THICKNESS TO PRODUCE ADEQUATE STRENGTH AND DURABILITY OF THE FINISHED PRODUCT FOR THE INTENDED USE.
4.	SHOP PAINT MISCELLANEOUS METAL WORK, EXCEPT THOSE MEMBERS OR PORTIONS OF MEMBERS TO BE EMBEDDED IN CONCRETE OR MASONRY AND SURFACES AND EDGES TO BE FIELD WELDED. APPLY ONE SHOP COAT OF METAL PRIMER PAINT TO FABRICATED METAL ITEMS, EXCEPT APPLY 2 COATS OF PAINT TO SURFACES WHICH ARE INACCESSIBLE AFTER ASSEMBLY OR ERECTION. PRIMER TO BE TNEMEC 10-1009.

DIVISION 6 - WOOD & PLASTIC

SECTION 06100 - ROUGH CARPENTRY

1.	AT ALL GRAB BARS THE CONTRACTOR SHALL PROVIDE AND INSTALL 2x6 SOLID WOOD BLOCKING, WHICH SHALL BE SECURELY SCREWED OFF TO THE STEEL WALL STUDS.

SECTION 06600 - ARCHITECTURAL MILLWORK

1.	ALL MILLWORK SHALL MEET OR EXCEED THE REQUIREMENTS OF SECTION 400/1600 'CUSTOM GRADE' OF QUALITY STANDARDS AS ESTABLISHED BY THE ARCHITECTURAL WOODWORKERS INSTITUTE.
2.	ALL CASEWORK MEMBERS ARE TO BE 3/4" THICK UNLESS NOTED OTHERWISE.
3.	ALL CASEWORK TO HAVE HIGH PRESSURE LAMINATE FINISH WITH REVEAL OVERLAY DESIGN, UNLESS DETAILED OTHERWISE ON PLANS. ALL EXTERIOR EXPOSED SURFACES TO BE NEMA LD-3, GRADE GP-28, UNLESS DETAILED OTHERWISE ON PLANS. BACKING SHEET TO BE NEMA LD-3, GRADE CL-20. ALL CONCEALED INTERIORS SHALL BE WHITE MELAMINE.
4.	ALL COUNTERTOPS SHALL BE SOLID SURFACE MATERIAL, 3/4" THICK. PROVIDE ALL AVAILABLE SAMPLES TO OWNER FOR APPROVAL. LEADING EDGES ARE TO BE SQUARE, 1 1/2" THICK.
5.	DRAWER BOX SIDES ARE TO BE 1/2" WHITE MELAMINE. DRAWER BOX BOTTOMS ARE TO BE 1/4" WHITE MELAMINE.
6.	SHELVES UNDER 36" WIDE SHALL HAVE 3/4" SHELVES. CABINETS OVER 36" WIDE SHALL HAVE 1" SHELVES.
7.	HARDWARE: 7.1 DRAWER AND CABINET PULLS ARE TO BE WIRE CHROME PLATED (MATT) WITH 4" HOLE SPACING. PROVIDE A SINGLE PULL AT EACH DRAWER OR DOOR. 7.2 HINGES ARE TO BE BLUM 'CLIP TOP' 120° SELF CLOSING CONCEALED HINGE WITH DULL CHROME FINISH. PROVIDE 2 HINGES PER DOOR. 7.3 SHELF SUPPORTS SHALL BE 5MM DUAL PIN LOCKING FOR 3/4" TO 1" SHELF. CLEAR COLOR, RATED FOR 500 LBS. 7.4 DRAWER GUIDES AT FILE DRAWERS SHALL BE ACCURIDE NO. AC3832-20, FULL EXTENSION, 100 LB CAPACITY, BOX DRAWER SLIDES. DRAW GUIDES AT ALL OTHER DRAWERS IS TO BE BLUM 230M5000 BOTTOM MOUNTED, SELF-CLOSING, 75 LB. CAPACITY, 3/4 EXTENSION. 7.5 TRASH GROMMETS SHALL BE MODEL NO. TM1PSS AS MANUFACTURED BY DOUG MOCKETT & COMPANY INC. GROMMET IS 6" DIAMETER x 1" POLISHED STAINLESS STEEL. 7.6 PLASTIC COUNTERTOP GROMMETS: TO BE MODEL #91041 AS MANUFACTURED BY ROCKLER, WHITE. EXACT LOCATION OF GROMMETS IS TO BE DETERMINED BY OWNER IN FIELD AFTER COUNTERTOP IS INSTALLED.
8.	FURNISH AND INSTALL ALL ITEMS OF CASEWORK HARDWARE, INCLUDING PULLS, DRAWER GUIDES, PIVOT HINGES, SHELF STANDARDS AND LOCKS.
9.	ARCHITECTURAL WOODWORK SHALL BE DELIVERED TO THE JOBSITE ONLY AFTER ALL PAINTING, WET WORK, GRINDING, AND SIMILAR OPERATIONS ARE COMPLETED.
10.	CONTRACTOR SHALL EMAIL PDF SHOP DRAWINGS OF ALL MILLWORK AND COUNTERTOPS WITH FULL DETAILS, HARDWARE CUT SHEETS, SAMPLES, AND SPECIFICATIONS TO ARCHITECT FOR REVIEW PRIOR TO ORDERING MATERIALS.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

SECTION 07170 - WATERPROOFING MASONRY SEALER - EXTERIOR & INTERIOR

1.	WATERPROOF ALL EXTERIOR MASONRY WALLS WITH CLEAR PENETRATING, WATER BASED WATER-PROOFING SOLUTION, WHICH WILL NOT CAUSE A STAINING REACTION OR DISCOLORING OF SUBSTRATES. THE SOLUTION SHALL CONTAIN TEN TO FIFTEEN PERCENT (10%-15%) SOLIDS AND SHALL BE AS INDICATED IN MATERIALS SCHEDULE.
2.	SURFACES TO RECEIVE LIQUID WATER REPELLENT SHALL BE CLEANED, FREE FROM DIRT, STAINS, LOOSE MATERIAL AND EFFLORESCENCE AND DRY. ALL SURFACE CRACKS, SLITS AND VOIDS IN CONCRETE BLOCK AND MORTAR JOINTS SHALL BE REPAIRED AND/OR RE-POINTED.
3.	APPLY LIQUID WATER REPELLENT TO BRICK / MASONRY WALLS WITH A LOW PRESSURE, NON-ATOMIZING, OR MISTING SPRAY. HOLD SPRAY CLOSE TO THE WALL AND FLOOD THE ENTIRE SURFACE SO THAT THERE IS A RUNDOWN OF FROM 8 TO 10 INCHES, IN AN OVERLAPPING PATTERN OF APPLICATION. FIRST COAT COVERAGE SHALL BE APPLIED AT A MINIMUM RATE OF 40 SQ. FT./GALLON AND THE SECOND COAT COVERAGE AT A MINIMUM RATE OF 80 SQ. FT./GALLON. APPLY ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

SECTION 07175 - WATERPROOFING AT EXTERIOR BELOW GRADE EXTERIOR WALLS

1.	REFER TO MATERIALS SCHEDULE AND DETAILS ON THE PLANS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

SECTION 07210 - BUILDING INSULATION

1.	INSULATION MATERIALS SHALL BE FLEXIBLE FIBERGLASS BATTS OR BLANKETS, WITH OR WITHOUT FACINGS, AS CALLED OUT ON PLANS. ALL COMPOSITE MATERIALS SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS AS TESTED IN ACCORDANCE WITH ASTM E84 U.L. 723
2.	PROVIDE INSULATION AS FOLLOWS: 2.1 REFER TO WALL TYPES SCHEDULE AND BUILDING SECTIONS / DETAILS.
3.	CUT AND FIT INSULATION MATERIALS AROUND PIPES, CONDUITS, OUTLET BOXES, ETC., AS NECESSARY TO MAINTAIN THE INTEGRITY OF THE INSULATION. WHERE PIPES ARE INSTALLED IN SPACES TO RECEIVE INSULATION, PLACE INSULATION BETWEEN EXTERIOR WALL AND THE PIPE, COMPRESSING INSULATION AS NECESSARY.
4.	AT WALL AND CEILING AREAS INSTALL INSULATION BETWEEN FRAMING MEMBERS WITH FLANGES CONTINUOUSLY TIGHT AGAINST FRAMING MEMBERS AND ENDS TIGHTLY BUTTED.

SECTION 07220 - ROOF INSULATION

1.	REFER TO MATERIALS SCHEDULE ON PLANS AND INSTALL IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.

REVISIONS	BY

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APN: 103-71-001F

DRAWN BY: L.O.
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DATE: May 30th, 2020
JOB NO.: 753
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May 30, 2020 - 3:37pm

Specifications Continued

SECTION 07600 - SHEET METAL FLASHINGS & COUNTERFLASHINGS	
1.	PROVIDE AND INSTALL ALL FLASHINGS AND COUNTERFLASHINGS, AS REQUIRED TO MAKE ALL ROOFING SYSTEMS WATERTIGHT.
2.	QUALITY, PROCEDURES AND METHODS SHALL BE AS RECOMMENDED BY SMACNA ARCHITECTURAL SHEET METAL MANUAL, 3rd EDITION.
3.	MATERIALS: 3.1 GALVANIZED SHEET METAL ASTM A-525, 24-GAUGE MINIMUM, UNLESS DETAILED OTHERWISE. 3.2 SOLDER: ASTM B-32, 50% TIN AND 50% LEAD, USED WITH ROSIN FLUX. 3.3 PLASTIC CEMENT: FS SS-C-153, TYPE I, AND ASTM D-2822. 3.4 CAULKING: FS TT-S-00227E, 2-PART RUBBER BASE SEALANT. 3.5 REGLETS & COUNTERFLASHING: AS MANUFACTURED BY FRY-REGLET CORPORATION, TYPE SM.
4.	PROVIDE FOR THERMAL EXPANSION OF RUNNING TRIM FLASHING AND OTHER ITEMS EXPOSED FOR MORE THAN 15 FEET CONTINUOUS LENGTH. MAINTAIN A WATERTIGHT INSTALLATION AT EXPANSION SEAMS.
5.	PROVIDE THE FOLLOWING SHEET METAL ITEMS: FRY REGLET COUNTERFLASHINGS EDGE DRIP FLASHING
SECTION 07720 - ROOF ACCESSORIES	
1.	ROOF HATCH, REFER TO MATERIALS SCHEDULE
SECTION 07900 - CAULKING AND SEALANTS	
1.	ALL NEW EXTERIOR AND INTERIOR SEALANT SHALL BE DOW CORNING 795, UNLESS NOTED OTHERWISE.
2.	PRIMER: WHERE REQUIRED, SHALL BE USED AS PER DOW CORNING'S WRITTEN INSTRUCTIONS. THE PRIMER SHALL HAVE BEEN TESTED FOR NON-STAINING CHARACTERISTICS AND DURABILITY ON SAMPLES OF ACTUAL SURFACES TO BE SEALED.
3.	CONTRACTOR SHALL USE CLOSED CELL POLYETHYLENE BACKER RODS AS A JOINT BACKING TO CONTROL DEPTH OF SEALANT BEAD. WHERE DEPTH OF JOINT WILL PREVENT USE OF JOINT BACKING, AN ADHESIVE BACKED POLYETHYLENE TAPE (BOND BREAKER TAPE) SHALL BE INSTALLED TO PREVENT THREE SIDED ADHESION. JOINT BACKING SHALL BE DRY AT THE TIME OF SEALANT APPLICATION.
4.	SURFACES MUST BE SOUND, CLEAN AND DRY. ALL RELEASE AGENTS, EXISTING WATERPROOFING, DUST, LOOSE MORTAR, LAITANCE, PAINTS, OR OTHER FINISHES MUST BE REMOVED. THIS SHALL BE ACCOMPLISHED WITH A THOROUGH WIRE BRUSHING, GRINDING, SANDBLASTING OR SOLVENT WASHING, DEPENDING ON THE CONTAMINATION.
5.	PROVIDE CAULKING AT THE FOLLOWING LOCATIONS. THIS SCHEDULE IS NOT TO BE CONSTRUED TO BE COMPLETE. PROVIDE CAULKING AT OTHER AREAS AS INDICATED. 5.1 PERIMETER OF ALL DOOR AND WINDOW FRAMES, INTERIOR AND EXTERIOR. COLOR TO MATCH DOOR FRAME COLOR. 5.2 PERIMETER OF ALL ALUMINUM SECTIONS, INTERIOR AND EXTERIOR. COLOR TO MATCH ALUMINUM FRAME COLOR. 5.3 AT BASE OF WATER CLOSETS AT FLOOR, COLOR TO BE WHITE TO MATCH WATER CLOSET. 5.4 AT ALL WALL HUNG PLUMBING FIXTURES, COLOR TO BE WHITE TO MATCH FIXTURE. 5.5 ALL NEW JOINTS AT ABUTTING DISSIMILAR BUILDING MATERIALS. 5.6 JOINTS IN EXPOSED MASONRY SURFACES, INTERIOR AND EXTERIOR. 5.7 TOP EDGE OF ALL FRY-REGLET COUNTERFLASHING ASSEMBLIES. 5.8 CONTROL, COLD, EXPANSION AND SAW JOINTS IN CONCRETE SURFACES, INTERIOR AND EXTERIOR. INSTALL SEALANT AT ALL INTERIOR CONCRETE FLATWORK JOINTS WHICH DO NOT RECEIVE A FLOOR COVERING.

DIVISION 8 - DOORS, WINDOWS, GLASS

SECTION 08110 - HOLLOW METAL FRAMES	
1.	FRAMES TO MEET SPECIFIED REQUIREMENTS OF SDI AND/OR NAAMM FOR UNIT WELDED FRAMES.
2.	CONTRACTOR SHALL ORDER ALL FRAMES FOR MASONRY WALLS IN A TIMELY MANNER SO THAT FRAME CAN BE INSTALLED WHILE MASONRY WALLS ARE BEING BUILT. FRAMES INSTALLED LATER WITH EXPANSION BOLTS WILL NOT BE ALLOWED.
3.	ALL EXTERIOR FRAMES, WHERE OCCUR, SHALL BE 14 GAUGE GALVANIZED STEEL WITH CORNERS MITERED AND WELDED.
4.	ALL INTERIOR FRAMES SHALL BE 14 GAUGE SHEET STEEL WITH CORNERS MITERED AND WELDED.
5.	ALL HOLLOW METAL FRAMES IN MASONRY WALLS ARE TO BE SOLIDLY GROUTED.
6.	PREPARE FRAMES TO RECEIVE MORTISED TYPE HARDWARE AND PROVIDE HARDWARE REINFORCING AS REQUIRED BY SDI.
7.	INSTALL METAL FRAMES AT LOCATION INDICATED, SET SQUARE AND PLUMB WITH THE BUILDING LINES, ANCHORING SECURELY TO CONSTRUCTION.
8.	ANCHOR EACH JAMB LEG WITH SILL CLIP WITH EXPANSION BOLT OR 'RAMSET' FASTENERS.
9.	ANCHOR EACH JAMB WITH 3 ANCHORS AT MASONRY AND 4 ANCHORS AT GYPSUM BOARD.
SECTION 08115 - HOLLOW METAL DOORS	
1.	DOORS TO MEET SPECIFIED REQUIREMENTS OF SDI AND/OR NAAMM.
2.	EXTERIOR STEEL DOORS SHALL BE FLUSH EXTRA HEAVY DUTY, 18 GAUGE GALVANIZED STEEL, 1-3/4" THICK, AND PRIME PAINTED. TOP AND BOTTOM OF EXTERIOR DOORS SHALL BE FLUSH.
3.	U-FACTOR OF DOORS SHALL BE DETERMINED IN ACCORDANCE WITH NFRC 100 BY AN ACCREDITED, INDEPENDENT LABORATORY, AND LABELED AND CERTIFIED BY THE MANUFACTURER, PER 2012 IECC, SECTION C303.1.3. PROVIDE MANUFACTURER'S WRITTEN DOCUMENTATION TO ARCHITECT THAT THE DOORS MEET THIS CODE REQUIREMENT. CORE SHALL BE POLYISOCYANURATE INSULATION WITH A U-FACTOR OF 0.08.
4.	INTERIOR STEEL DOORS SHALL BE FLUSH HEAVY DUTY, 18 GAUGE COLD ROLLED STEEL, 1-3/4" THICK, AND PRIME PAINTED.
5.	PROVIDE SOLID DRIP CAP AT TOP OF ALL EXTERIOR OUT-SWINGING DOORS.
6.	PROVIDE FOR GLAZING IN DOORS AS SCHEDULED. NON-REMOVABLE MINIMUM 20 GAUGE GLAZING STOPS SHALL OCCUR ON THE OUTSIDE OF EXTERIOR DOORS AND ON THE REVERSE SIDE OF INTERIOR DOORS. GLAZING BEADS ON THE INSIDE OF GLASS PANELS SHALL BE REMOVABLE.
7.	DOORS TO BE THOROUGHLY CLEANED, BONDERIZED AND PRIMED WITH SHOP COAT OF LIGHT GRAY ZINC CHROMATE RUST INHIBITIVE PRIMER, BAKED ON.
8.	INSTALL DOORS COMPLETELY AND ACCURATELY, COMPLETE WITH ALL FINISH HARDWARE. INSTALL FINISH HARDWARE IN A NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH THE HARDWARE SCHEDULE USING ONLY MECHANICS SKILLED IN THIS TYPE OF WORK. DO NOT INSTALL HARDWARE UNTIL PAINTING IS COMPLETED. KEEP ALL HARDWARE FREE FROM SCRATCHES, DENTS OR OTHER DEFACEMENTS.
SECTION 08120 - ALUMINUM ENTRANCE DOORS & FRAMES	
1.	STANDARDS' EXCEPT AS OTHERWISE INDICATED, THE REQUIREMENTS FOR ALUMINUM DOORS AND FRAMES, AND THE TERMINOLOGY USED IN THIS SECTION, ARE THOSE OF NAAMM, AAMA AND AA AND IN PARTICULAR, THOSE OF THE 'ENTRANCE MANUAL' BY NAAMM.
2.	MANUFACTURER: THESE SPECIFICATIONS ARE BASED ON THE ALUMINUM WALL SYSTEMS AS MANUFACTURED BY ARCADIA, INC, OR APPROVED EQUAL. MANUFACTURER SHALL PROVIDE FULL SHOP DRAWINGS, DETAILS, AND LOAD TABLES TO ARCHITECT, PRIOR TO ORDERING OF MATERIALS.
3.	EXTERIOR WINDOW FRAMING SYSTEM: PROVIDE AND INSTALL AG451 SERIES 2"x 4-1/2" CENTER GLAZED SYSTEM FOR 1" GLASS.
4.	INTERIOR WINDOW FRAMING SYSTEM: PROVIDE AND INSTALL SERIES AR450, 2"x4-1/2" CENTER GLAZED SYSTEM FOR 1/4" GLASS.
5.	FRAMING MEMBERS, TRANSITION MEMBER, MULLIONS, ADAPTERS, AND MOUNTINGS SHALL BE EXTRUDED OF ALUMINUM ALLOY AND TEMPER CONSISTENT WITH THE METHOD OF MANUFACTURE. THESE MEMBERS SHALL BE OF 6063-T5 EXTRUDED ALUMINUM ALLOY (ASTM B221 - ALLOY G.S. LOA-T5).
6.	EXTERIOR AND INTERIOR ALUMINUM DOORS SHALL BE SERIES MS362HD HEAVY DUTY MEDIUM STILE, OFFSET HUNG, COMPLETE WITH ALL HARDWARE AS SPECIFIED BELOW, AS MANUFACTURED BY ARCADIA, INC. BOTTOM RAIL SHALL BE 10" HIGH TO COMPLY WITH ADA REQUIREMENTS. EXTERIOR GLAZING SHALL BE 1" INSULATED TEMPERED GLASS, TO MATCH GLASS USED IN ADJACENT WALL SYSTEM. EXTERIOR DOORS SHALL BE PROVIDED WITH FULL WEATHER-STRIPPING AT JAMBS AND BOTTOM RAIL. DOOR FINISH IS TO MATCH THE ALUMINUM FRAMES. THRESHOLD WIDTH IS TO MATCH THE FRAME WIDTH. THRESHOLD SHALL MEET ADA REQUIREMENTS.
7.	HARDWARE SHALL BE FURNISHED AND INSTALLED IN DOORS BY THE DOOR MANUFACTURER, UNLESS NOTED OTHERWISE. ALL HARDWARE FINISHES, UNLESS NOTED OTHERWISE, ARE TO BE FINISHED TO MATCH ALUMINUM CLEAR ANODIZED FINISH. GLAZING SUBCONTRACTOR SHALL COORDINATE WITH THE HARDWARE SUPPLIER AND SHALL PROVIDE KEYED CYLINDERS TO MATCH WHAT IS BEING USED IN THE REMAINDER OF THE DOORS.
8.	HARDWARE SHALL MEET ALL REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT, SECTION 4.13.9.
9.	COMPLY WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS FOR THE INSTALLATION OF ALUMINUM DOORS AND FRAMES.
10.	FABRICATE EXTERIOR DOOR AND FRAME UNITS TO WITHSTAND THE WIND PRESSURE LOADING SHOWN OR, IF NOT SHOWN, 20 LBS. PER SQ. FT. ON THE GROSS AREA OF THE FRAMES, DOORS, PANELS AND GLASS, ACTING INWARD AND ALSO ACTING OUTWARD. MAXIMUM DEFLECTION SHALL BE 1/175 OF THE SPAN AND ALLOWABLE STRESS WITH A SAFETY FACTOR OF 1.65.
11.	FABRICATE INTERIOR ALUMINUM FRAME UNITS TO WITHSTAND A LATERAL LOADING OF 5 P.S.F. INSTALLER SHALL BE RESPONSIBLE FOR PROVIDING ALL BRACING, SUPPORTS, FRAMING, ETC. IN ORDER THAT ALL ALUMINUM FRAME UNITS CAN RESIST 5 P.S.F. EVEN IF THESE ITEMS ARE NOT DETAILED ON THE PLANS.
12.	WATER INFILTRATION SHALL BE TESTED IN ACCORDANCE WITH ASTM E 331. NO WATER PENETRATION AT A TEST PRESSURE OF 6.24 P.S.F.
13.	SET UNITS PLUMB, LEVEL AND TRUE IN LINE, WITHOUT WARP OR RACK OF FRAMES, DOORS OR PANELS. ANCHOR SECURELY IN PLACE. SEPARATE ALUMINUM AND OTHER CORRODIBLE METAL SURFACES FROM SOURCES OF CORROSION OR ELECTROLYTIC ACTION AT POINTS OF CONTACT WITH OTHER MATERIALS.
14.	SUBMIT SHOP DRAWINGS FOR FABRICATION AND INSTALLATION OF ENTRANCES AND STOREFRONTS, INCLUDING THE FOLLOWING; ELEVATIONS, DETAIL SECTION OF TYPICAL COMPOSITE MEMBERS, HARDWARE CUT SHEETS AND MOUNTING HEIGHTS ANCHORAGE AND REINFORCEMENTS, GLAZING DETAILS. ALSO INCLUDE DATA COMPLETE DATA SHOWING THAT ALL EXTERIOR FRAMING SYSTEMS WILL RESIST WIND LOADING.
15.	WARRANTIES: SUBMIT A WRITTEN WARRANTY, EXECUTED BY THE CONTRACTOR, INSTALLER, AND MANUFACTURER, AGREEING TO REPAIR OR REPLACE UNITS WHICH FAIL IN MATERIALS OR WORKMANSHIP WITHIN ONE YEAR OF SUBSTANTIAL COMPLETION.
SECTION 08200 - WOOD DOORS	
1.	PROVIDE WOOD DOORS AND RELATED ITEMS IN ACCORDANCE WITH AWI 'QUALITY STANDARDS', SECTION 1300 AND COMMERCIAL STANDARDS CS-236. REFER TO MATERIALS SCHEDULE AND DETAILS.
2.	FURNISH MANUFACTURER'S STANDARD 'LIFE OF THE INSTALLATION' GUARANTEE FOR ALL INTERIOR DOORS.
3.	SOLID CORE WOOD DOORS: WALNUT LEGACY WOOD DOOR AS MANUFACTURED BY HALEY WITH BLACK DOOR FRAMES AS MANUFACTURED BY TIMELY.
4.	STORE DOORS FLAT ON A LEVEL SURFACE IN A CLEAN, DRY, WELL-VENTILATED AREA, PROTECTED FROM SUNLIGHT. DOORS SHALL BE CONDITIONED TO THE AVERAGE PREVAILING HUMIDITY OF THE JOBSITE BEFORE INSTALLATION. HANDLE DOORS WITH CLEAN GLOVES. DO NOT DRAG DOORS ACROSS ONE ANOTHER OR ACROSS OTHER SURFACES.
5.	INSTALLATION: 5.1 INSTALL DOORS IN FRAMES WHERE INDICATED. HINGE DOORS WITH CLEARANCE OF NOT MORE THAN 3/32" AT EACH SIDE, AND HEAD; CLEARANCE AT BOTTOM 1/2" OR AS REQUIRED FOR CARPETING OR THRESHOLD. MORTISE, DRILL OR OTHERWISE WORK DOORS FOR FINISH HARDWARE AS SCHEDULED, BEVELING LOCK EDGE TO ALLOW FOR PROPER CLEARANCE IN OPENING AND CLOSING DOORS. REMOVE DOORS AFTER FITTING FOR FINISHING. RE-HANG AFTER FINISHING. 5.2 INSTALL FINISH HARDWARE IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE HARDWARE SCHEDULE, USING ONLY MECHANICS SKILLED IN THIS TYPE OF WORK. DO ALL MORTISING FOR HARDWARE BEFORE PAINTING. DO NOT INSTALL HARDWARE UNTIL FINISHING OF DOOR IS COMPLETED. KEEP ALL HARDWARE FREE FROM SCRATCHES, DENTS OR OTHER DEFACEMENTS. 5.3 THE FINISH HARDWARE SHALL BE ACCURATELY, FITTED AND INSTALLED ON PROPERLY PREPARED SURFACES IN CONFORMITY WITH THE MANUFACTURER'S INSTRUCTIONS AND TEMPLATES. UPON COMPLETION, THE FINISH HARDWARE SHALL BE IN PERFECT CONDITION AND IN PERFECT WORKING ORDER.
SECTION 08700 - FINISH HARDWARE	
1.	THE FINISH HARDWARE SUPPLIER SHALL, PRIOR TO DELIVERY, PREPARE AND SUBMIT TO THE ARCHITECT WITHIN 10 DAYS AFTER AWARD OF THE FINISH HARDWARE CONTRACT, 1 COPY OF A COMPLETE HARDWARE SCHEDULE FOR HIS REVIEW. THE SCHEDULE SHALL FOLLOW REQUIREMENTS AND SHALL INDICATE DOOR NUMBER AND LOCATION, QUANTITY, MANUFACTURER'S NUMBER, SIZE AND FINISH, ALSO FURNISH 2 BROCHURES OF HARDWARE CUTS OF ALL ITEMS USED.
2.	THE MAXIMUM DOOR-OPENING FORCE (IN POUNDS-FORCE) FOR PUSHING OR PULLING OPEN INTERIOR HINGED DOOR SHALL BE 5 LBF.
3.	ALL HARDWARE SHALL MEET HANDICAPPED ACCESSIBILITY REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT.
4.	LOCKSETS AND LATCHSETS SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISH FLOOR.
5.	EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
6.	STRIKES SHALL BE EXTENDED LIPS WHERE REQUIRED TO PROTECT TRIM FROM BEING MARRED BY LATCH BOLT. WROUGHT BOXES SHALL BE FURNISHED WITH ALL STRIKES.
7.	KEYS AND KEYING: 7.1 ALL CYLINDERS FOR THIS PROJECT TO BE SET TO NEW MASTER KEY. 7.2 ALL CYLINDERS TO BE CONSTRUCTION MASTER KEYED. 7.3 MASTER KEY SETS AND INDIVIDUAL KEYING OF LOCKS WILL BE DETERMINED BY THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING WITH THE OWNER'S REPRESENTATIVE TO DETERMINE THE EXACT KEYING THAT WILL BE REQUIRED. 7.4 FURNISH 6 EACH CONSTRUCTION MASTER KEYS TO BE DELIVERED WITH LOCKSETS TO CONTRACTOR. FURNISH 3 EACH MASTER KEY SETS. FURNISH 3 EACH CHANGE KEYS FOR EACH CYLINDER AND LOCKSET. 7.5 ALL GRAND MASTER, MASTER, AND CHANGE KEYS SHALL BE PROPERLY TAGGED FOR EASY IDENTIFICATION AND DELIVERED TO AN AUTHORIZED RECIPIENT AS DIRECTED BY THE ARCHITECT.
8.	PROVIDE A WRITTEN GUARANTEE FOR ALL HARDWARE FOR A PERIOD OF 2 YEARS FROM DATE OF CERTIFICATE OF OCCUPANCY. DEFECTS IN MATERIALS AND/OR WORKMANSHIP OCCURRING DURING THE GUARANTEE PERIOD SHALL BE CORRECTED AT NO EXPENSE TO THE OWNER.
SECTION 08800 - GLASS AND GLAZING	
1.	GLASS AND GLAZING SHALL CONFORM TO CHAPTER 24 OF THE 2018 IBC, AND TO LOCAL CODE REQUIREMENTS. IN CASE OF CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
2.	U-FACTOR OF GLASS SHALL BE DETERMINED IN ACCORDANCE WITH NFRC 100 BY AN ACCREDITED, INDEPENDENT LABORATORY, AND LABELED AND CERTIFIED BY THE MANUFACTURER. MANUFACTURER SHALL PROVIDE THIRD PARTY LABORATORY CERTIFICATION TO ARCHITECT, PRIOR TO MANUFACTURING GLASS UNITS.
3.	THE SOLAR HEAT GAIN COEFFICIENT (SHGC) AND VISIBLE TRANSMITTANCE (VT) OF GLASS SHALL BE DETERMINED IN ACCORDANCE WITH NFRC 200 BY AN ACCREDITED, INDEPENDENT LABORATORY, AND LABELED AND CERTIFIED BY THE MANUFACTURER. MANUFACTURER SHALL PROVIDE THIRD PARTY LABORATORY CERTIFICATION TO ARCHITECT, PRIOR TO MANUFACTURING GLASS UNITS.
4.	WATERTIGHT AND AIRTIGHT INSTALLATION OF EACH PIECE OF GLASS IS REQUIRED. EACH INSTALLATION MUST WITHSTAND NORMAL TEMPERATURE CHANGES, WIND LOADING AND IMPACT LOADING.
5.	THE MAXIMUM PROBABLE BREAKAGE LEVEL SHALL BE 8 LITES PER THOUSAND FOR A 1-MINUTE UNIFORM WIND LOAD DURATION.
6.	INTERIOR REGULAR PLATE GLASS: CLEAR 1/4" THICK COMPLYING WITH FS-DD-G-451, TYPE 1, CLASS 1, QUALITY Q-3, PLATE OR FLOAT.
7.	INTERIOR TEMPERED GLASS: CLEAR 1/4" THICK FULLY TEMPERED PLATE GLASS. PERMANENTLY ETCH EACH LIGHT WITH MANUFACTURER'S NAME AND HIS COMPLIANCE WITH ANSI Z97.1.
8.	EXTERIOR CLEAR LOW-E INSULATING GLASS UNITS: AT ALL (UNLESS NOTED OTHERWISE) WINDOW TYPES AND ALL ALUMINUM/GLASS DOORS PROVIDE PPG INSULATED UNITS, COMPRISED OF AN OUTER LAYER OF 6MM STARPHIRE (TEMPERED WHERE REQUIRED) SOLARBAN 70XL (2) AND AN INNER LAYER OF 6MM (TEMPERED WHERE REQUIRED) CLEAR GLASS, SEPARATED BYA 1/2" AIR SPACE. INSULATING GLASS UNITS SHALL HAVE A SHADING COEFFICIENT OF 0.32 A SHGC OF 0.27 AND A U-VALUE OF 0.26. LABEL EACH UNIT TO SHOW WHICH FACE IS TO BE EXPOSED TO EXTERIOR. PLACE LABEL ON INSIDE FACE. SUBMIT 2 SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING GLASS UNITS.
9.	INTERIOR GLAZING COMPOUND TO BE POLYMERIZED BUTYL RUBBER AND INERT FILLERS (PIGMENTS), SOLVENT BASED WITH MINIMUM 75% SOLIDS, NON-SAG CONSISTENCY, TACK-FREE TIME OF 24 HOURS OR LESS, PAINTABLE NON-STAINING.
10.	SETTING BLOCKS TO BE NEOPRENE, EPDM, OR OTHER RESILIENT BLOCKS OF 85 SHORE A DUROMETER HARDNESS, MINIMUM LENGTH 4"
11.	EXTERIOR GLAZING COMPOUND TO CONFORM TO ASTM C-920, TYPE S, GRADE NS, CLASS 25, USE G.
12.	GLAZING INSTALLATION IS TO COMPLY WITH THE GANA 'GLAZING MANUAL', 50th ANNIVERSARY EDITION.

1 CONFLICT

Jul 10, 2020 - 9:18am

REVISIONS	BY
1 TOPV COMMENTS 6-30-2020	LO

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DRAWING: Specifications

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Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET

A12.3

Specifications Continued

DIVISION 9 - FINISHES

SECTION 09110 - COLD-FORMED LIGHT GAUGE FRAMING

1. THE INSTALLATION AND CONSTRUCTION OF COLD-FORMED STRUCTURAL AND NON-STRUCTURAL STEEL FRAMING SHALL CONFORM TO THE 'STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS' AS PUBLISHED BY THE AMERICAN IRON AND STEEL INSTITUTE THROUGH THE STEEL FRAMING ALLIANCE.
2. ALL MEMBERS SHALL BE MANUFACTURED BY THE CURRENT MEMBERS OF THE STEEL STUD MANUFACTURER'S ASSOCIATION.
3. ALL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE, AISI, 'SPECIFICATION FOR THE DESIGN OF COLD-FORMED STRUCTURAL MEMBERS'.
4. METAL STUDS SHALL BE ROLL FORMED CHANNEL TYPE STUDS, PER ICC EVALUATION SERVICE REPORT NO. ER-4943P.
5. INTERIOR WALLS SHALL BE CONSTRUCTED OF STEEL STUDS AS FOLLOWS:

MAXIMUM WALL HEIGHT	PRODUCT NO.	STUD SPACING
12'-5"	362S125-18	16" O.C. (U.N.O.)
15'-6"	362S125-33	16" O.C. (U.N.O.)
16'-11"	362S125-43	16" O.C. (U.N.O.)
23'-0"	600S125-30	16" O.C. (U.N.O.)

   YIELD STRENGTH IS TO BE 33 KSI. CONTRACTOR SHALL USE MINIMUM 362S125-33 FOR WALLS THAT RECEIVE CERAMIC TILE. PROVIDE METAL FLOOR AND CEILING RUNNERS DESIGNED TO ACCOMMODATE THE SPECIFIED STUD GAUGES AND SIZES.
6. ALL INTERIOR WALLS SHALL GO FULL HEIGHT AND ATTACH TO THE ROOF STRUCTURE ABOVE, UNLESS THEY HAVE A SUSPENDED CEILING ON BOTH SIDES OF WALL.
7. PROVIDE AND INSTALL A SLIP-TRACK AT TOP OF ALL INTERIOR FULL HEIGHT WALLS. TO BE 20 GAUGE AND TO MATCH THE SIZE OF THE WALL STUDS. TO ALLOW FOR 1" VERTICAL MOVEMENT. PROVIDE WAFER-HEAD SCREWS TO POSITIVELY ATTACH THE STEEL STUDS THROUGH THE VERTICAL SLOTS IN THE SLIP-TRACK. VERTICAL SLOTS TO BE 1/4" WIDE x 1-1/2" LONG AND SPACED EVERY 1" O.C.
8. ATTACH BOTTOM STEEL TRACKS TO CONCRETE FLOORS WITH RAMSET/RED HEAD POWDER-ACTUATED POWER POINT FASTENERS @ 32" O.C. FASTENERS TO HAVE A SHANK DIAMETER OF 0.150", HEAD DIAMETER OF .0300" AND LENGTH OF 0.75". INSTALL FASTENERS PER I.C.B.O. EVALUATION REPORT NO. ER-1639 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.

SECTION 09250 - GYPSUM WALL BOARD

1. ASTM C-840 AND C-754, AND GA-216, INSOFAR AS ANY PORTIONS ARE APPLICABLE, ARE HEREBY MADE A PART OF THIS SPECIFICATION AS THOUGH REPEATED HEREIN. IN CASE OF CONFLICTS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
2. GYPSUM WALLBOARD:
   - 2.1 REGULAR WALLBOARD: TO COMPLY WITH ASTM C-36; OR FS SS-L-30D, TYPE III, 5/8" THICKNESS, TAPERED EDGE.
   - 2.2 MOISTURE-RESISTANT WALLBORAD: TO COMPLY WITH ASTM C-630, GRADE REGULAR, 5/8" THICKNESS, TAPERED EDGE. USE WR BOARD FULL HEIGHT, ON ALL WALLS IN ALL RESTROOMS AND JANITOR'S CLOSET.
3. WALLBOARD ACCESSORIES:
   - 3.1 CORNER BEAD REINFORCEMENT: USG DUR-A-BEAD, SIZE AS REQUIRED.
   - 3.2 METAL EDGE REINFORCEMENT: USG NO. 200-B.
   - 3.3 CONTROL JOINTS: USG #093.
4. FASTENERS: SELF DRILLING, SELF TAPPING, BUGLE HEAD SCREWS, FOR USE WITH POWER DRIVEN TOOL TYPE S FOR APPLICATION TO LIGHT GAUGE METAL FRAMING, MINIMUM 1", TYPE 9-12 FOR APPLICATION TO HEAVY GAUGE METAL FRAMING (ASTM C-646.
5. INSTALLATION - SUSPENDED CEILINGS:
   - 5.1 EXCEPT WHERE OTHERWISE INDICATED, PROVIDE 1-1/2" MAIN RUNNER CHANNELS SPACED ON 4 FOOT CENTERS AND METAL FURRING CHANNELS SPACED ON NOT OVER 16" CENTERS. MAIN RUNNER CHANNELS TO HAVE HANGER WIRES SPACED 48" O.C. ALONG ITS LENGTH AND WITHIN 6" OF ENDS. WIRE HANGERS SHALL BE OF SUCH LENGTH SO THAT THE LOWER ENDS MAY BE SADDLE TIED OR WRAPPED AROUND THE MAIN RUNNERS SO AS TO PREVENT TURNING OR TWISTING OF THE RUNNERS.
   - 5.2 SECURELY CLIP METAL FURRING CHANNELS TO MAIN RUNNERS USING FURRING CHANNEL CLIPS OR SADDLE TIE WITH 2 STRANDS OF 16 GAUGE TIE WIRE. INSTALL FURRING CHANNEL CLIPS ON ALTERNATIVE SIDES OF THE MAIN RUNNER CHANNEL.
   - 5.3 AT LIGHTS OR OTHER OPENINGS THAT INTERRUPT THE MAIN RUNNER OR FURRING CHANNELS REINFORCE GRILLAGE WITH 3/4" COLD-ROLLED CHANNELS, WIRE TIED ATOP AND PARALLEL TO THE MAIN RUNNER CHANNELS.
   - 5.4 APPLY WALLBOARD WITH LONG DIMENSION AT RIGHT ANGLES TO THE FURRING CHANNELS, WITH ALL ABUTTING ENDS AND EDGES OCCURRING OVER THE WEB SURFACE OF THE FURRING CHANNEL. INSTALL WALLBOARD WITH 5/8" SCREWS SPACED 8" O.C. IN THE FIELD OF THE BOARD, AT ALL BEARINGS, AND ALONG ABUTTING EDGES. INSTALL CONTROL JOINTS AT A MAXIMUM OF 20'-0" O.C., IN EACH DIRECTION.
6. INSTALLATION - INTERIOR WALLS:
   - 6.1 APPLY WALLBOARD WITH LONG DIMENSION AT RIGHT ANGLES TO FRAMING OR FURRING MEMBERS WITH ALL ABUTTING ENDS AND EDGES OCCURRING OVER STUD FLANGES. CUT WALLBOARD NEATLY TO FIT AROUND ALL OPENINGS. WALLBOARD TO EXTEND TO WITHIN 1/4" OF THE FLOOR.
   - 6.2 WHEREVER WALLBOARD TERMINATES AGAINST DISSIMILAR MATERIALS OR WHERE EDGES OF WALLBOARD ARE EXPOSED, INSTALL METAL EDGE REINFORCEMENT AS SPECIFIED. AT ALL OUTSIDE CORNERS INSTALL METAL CORNER BEAD REINFORCEMENT AS SPECIFIED.
   - 6.3 INSTALL CONTROL JOINT OVER FACE OF WALLBOARD PANELS. CUT END JOINTS SQUARE, BUTT TOGETHER AND ALIGN TO PROVIDE NEAT FIT. ATTACH CONTROL JOINT TO WALLBOARD PER USG RECOMMENDATIONS. LOCATE CONTROL JOINTS AT MAXIMUM 50'-0" O.C. AND IN ACCORDANCE WITH USG GYPSUM CONSTRUCTION HANDBOOK, LATEST EDITION.
   - 6.4 AT METAL STUDS APPLY WALLBOARD USING SCREWS SPACED A MAXIMUM OF 12" O.C. IN THE FIELD OF THE BOARD AND 12" O.C. ALONG THE ABUTTING END JOINTS.
   - 6.5 WHERE W/R WALLBOARD IS USED, COAT ALL CUT EDGES AND FASTENER HEADS WITH USG SHEETROCK W/R SEALANT. TREAT ALL CUT EDGES, UTILITY HOLES, AND JOINTS, INCLUDING THOSE AT ANGLE INTERSECTIONS PRIOR TO INSTALLATION.
   - 6.6 PROVIDE PERIMETER RELIEF WHERE NON-LOAD-BEARING WALLBOARD PARTITIONS ABUT STRUCTURAL DECKS OR CEILINGS OR VERTICAL STRUCTURAL ELEMENTS. ALLOW NOT LESS THAN 1/4", NOR MORE THAN 1/2" GAP BETWEEN WALLBOARD AND STRUCTURE. FINISH EDGES OF WALLBOARD FACE LAYER WITH SQUARE-NOSE METAL CASING BEAD AND CAULK SPACE BETWEEN CASING BEAD AND STRUCTURE WITH CONTINUOUS SEALANT BEAD. ATTACH WALLBOARD TO STUDS NOT LESS THAN 1/2" BELOW BOTTOM EDGE OF CEILING TRACK FLANGES AND TO FIRST STUD ADJACENT TO VERTICAL TRACKS. DO NOT ATTACH WALLBOARD DIRECTLY TO TRACKS.
   - 6.7 WHERE WALLBOARD PARTITIONS INTERSECT MASONRY WALLS, PROVIDE CONTROL JOINT NO LESS THAN 1/4", NOR MORE THAN 3/8" WIDE BETWEEN WALLBOARD AND MASONRY. FINISH EXPOSED EDGES OF WALLBOARD WITH SQUARE-NOSE METAL CASING BEAD AND CAULK SPACE BETWEEN CASING BEAD AND MASONRY WITH CONTINUOUS SEALANT BEAD.
   - 6.8 INSTALL DRYWALL FULL HEIGHT AT ALL WALLS THAT GO FULL HEIGHT TO ROOF STRUCTURE.
7. FINISHING:
   - 7.1 ALL GYPSUM BOARD IS TO BE FINISHED PER GYPSUM ASSOCIATION PUBLICATION GA 216-96., 'RECOMMENDED LEVELS OF GYPSUM BOARD FINISH'.
   - 7.2 GYPSUM BOARD FINISH IS TO BE LEVEL 3, LIGHT TEXTURE.
   - 7.3 APPLY WALL TEXTURE TO ALL EXPOSED WALLS, UPON COMPLETION OF FINISHING SPECIFIED ABOVE, SURFACES SHALL BE FREE OF DUST, DIRT AND OIL BEFORE APPLICATION. CONTRACTOR SHALL VERIFY WITH OWNER WHICH WALLS ARE TO RECEIVE WALL COVERING, IF ANY.
   - 7.4 FINISH SHALL BE A LIGHT SANTA FE TEXTURE. FURNISH A 3'x3' FINISH SAMPLE FOR OWNER'S APPROVAL BEFORE MATERIALS ARE ORDERED.

SECTION 09310 - CERAMIC TILE

1. CERAMIC TILE MATERIALS, PREPARATION AND INSTALLATION SHALL CONFORM TO ANSI STANDARDS AND THE PUBLISHED SPECIFICATIONS OF CUSTOM BUILDING PRODUCTS (CBP).
2. ALL INSTALLATION MATERIALS (MORTAR, GROUT, MEMBRANES, LEVELING AGENTS, SEALERS, ETC.) USED IN THE PROJECT ARE TO BE MANUFACTURED BY CBP, OR APPROVED EQUAL.
3. IT IS SOLELY THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR TO INSURE THAT THE SUB-FLOOR IS PROPERLY PREPARED PRIOR TO INSTALLATION. SHOULD THE INSTALLING CONTRACTOR FIND THAT THE SUB-FLOOR IS NOT ACCEPTABLE THEN THEY SHALL IMMEDIATELY NOTIFY THE GENERAL CONTRACTOR AND THE ARCHITECT, IN WRITING.
4. CRACK PREVENTION MEMBRANE: MEMBRANE IS TO BE LIQUID APPLIED REDGARD CRACK PREVENTION AND WATERPROOFING MEMBRANE. CONCRETE MUST BE CURED FOR 28 DAYS. CONCRETE FLOORS SHALL BE MECHANICALLY ABRADED TO ENSURE A GOOD BOND. THE COST OF THIS SHALL BE INCLUDED IN THE CONTRACTOR'S BID. ALL CRACKS EXCEEDING 1/8" SHALL BE TREATED IN ACCORDANCE WITH TCNA F125F. INSTALL MEMBRANE ON ALL FLOOR SLABS THAT RECEIVE FLOOR TILE AT A WET THICKNESS OF 30 MILS. DO NOT USE TO BRIDGE OR COVER OVER EXPANSION, CONTROL, CONSTRUCTION, COLD OR SAW CUTS JOINTS. IN THOSE LOCATIONS INSTALL CRACK BUSTER PRO MEMBRANE. CONTRACTOR SHALL INSTALL MEMBRANE PER MANUFACTURER'S WRITTEN INSTRUCTIONS. IF TILE WILL NOT BE SET IMMEDIATELY AFTER MEMBRANE CURING, PROTECT THE APPLICATION FROM RAIN, DIRECT SUNLIGHT AND INCLEMENT WEATHER FOR 72 HOURS AFTER APPLICATION. IF DELAYS LONGER THAN 72 HOURS ARE EXPECTED, COVER THE AREA WITH FELT PAPER. GREAT CARE SHOULD BE TAKEN TO PREVENT THE APPLICATION FROM BECOMING SOILED OR PUNCTURED DURING AND AFTER APPLICATION.
5. MORTAR: MORTAR IS TO BE MEGALITE CRACK PREVENTION MORTAR. SURFACES MUST BE CLEAN, DRY, AND FREE OF DIRT AND OTHER CONTAMINANTS THAT WOULD PREVENT A GOOD BOND. MIX 5.5 QUARTS OF CLEAN WATER PER 30 LB. BAG OF GROUT, PER MANUFACTURER'S WRITTEN INSTRUCTIONS. APPLY MORTAR PER ANSI A108.5 AND THE MANUFACTURER'S WRITTEN INSTRUCTIONS. ALLOW MORTAR TO CURE PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
6. GROUT: GROUT IS TO BE POLYBLEND EPOXY SANDED GROUT. MIX 2 QUARTS OF CLEAN WATER PER 25 LB BAG OF GROUT, PER MANUFACTURER'S WRITTEN INSTRUCTIONS. APPLY GROUT PER ANSI A108.10 AND THE MANUFACTURER'S WRITTEN INSTRUCTIONS. ALLOW GROUT TO CURE PER MANUFACTURER'S WRITTEN INSTRUCTIONS. GROUT JOINTS ARE TO BE 1/8" WIDE. SEE FINISH SCHEDULE FOR GROUT COLORS.
7. GROUT SEALER: GROUT SEALER IS TO BE TILELAB SURFACEGUARD SEALER. ALLOW GROUT TO CURE FOR 48 TO 72 HOURS BEFORE APPLICATION. PROTECT PAINTED SURFACES. TEST PRODUCT IN AN OBSCURE AREA TO ENSURE DESIRABLE RESULTS. APPLY SEALER TO ALL GROUT JOINTS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. DRYING TIME IS 2 TO 3 HOURS.
8. SELF-LEVELING UNDERLAYMENT: FLOOR LEVELING UNDERLAYMENT, IF REQUIRED, SHALL BE LEVELLITE SELF-LEVELING UNDERLAYMENT. MIX AND INSTALL UNDERLAYMENT PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS. CONCRETE SURFACE SHALL FIRST BE PRIMED WITH LEVELQUIK LATEX PRIMER, INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. ALLOW LEVELLITE TO DRY FOR 14 HOURS BEFORE INSTALLING FLOOR TILE OVER IT.
9. FLOOR TILES: REFER TO MATERIALS SCHEDULE.
10. WALL TILES: REFER TO MATERIALS SCHEDULE.
11. GROUT SEALER: AFTER LETTING GROUT CURE FOR 72 HOURS, INSTALL TILELAB GROUT SEALER PER MANUFACTURER'S WRITTEN INSTRUCTIONS. SURFACES SHALL BE CLEAN, DRY AND FREE OF WAXES, COATINGS OR FINISHES.
12. CONTRACTOR SHALL PROVIDE OWNER WITH A MINIMUM OF TWO UNOPENED PACKAGES OF EACH TYPE AND SIZE OF TILE THAT IS USED ON THE PROJECT.
13. INSTALL ALL FLOOR TILES IN ACCORDANCE WITH CBP SYSTEM CF-125A.
14. INSTALL ALL WALL TILES IN ACCORDANCE WITH CBP SYSTEM CW243.
15. ALL SURFACES THAT ARE TILED SHALL BE TRUE TO PLANE AND HAVE A MAXIMUM VARIATION OF 1/8" IN 8' FOR WALLS. REPORT ALL UNACCEPTABLE SURFACES TO THE CONTRACTOR AND THE ARCHITECT AND DO NOT TILE SUCH SURFACES UNTIL THEY ARE LEVELED ENOUGH TO MEET ABOVE REQUIREMENTS.
16. PROVIDE MOVEMENT JOINTS (EXPANSION, ISOLATION, CONSTRUCTION, CONTRACTION, ETC.) IN ALL TILE SURFACES IN ACCORDANCE WITH TCNA METHOD EJ-171. PROVIDE MOVEMENT JOINTS WHERE TILE WORK ABUTS RESTRAINING SURFACES SUCH AS PERIMETER WALLS.
17. CLEAN TILE AFTER GROUTING, PER MANUFACTURER'S INSTRUCTIONS, AND PROTECT FROM OTHER TRADES. CURE ALL CERAMIC TILE FLOORS FOR A MINIMUM OF 72 HOURS.
18. ALL SURFACES THAT ARE TILED SHALL BE TRUE TO PLANE AND HAVE A MAXIMUM VARIATION OF 1/8' IN 8' FOR WALLS. FOR ALLOWABLE CONCRETE FLOOR LEVEL TOLERANCES SEE SPECIFICATIONS SECTION 03300. REPORT ALL UNACCEPTABLE SURFACES TO THE ARCHITECT AND DO NOT TILE SUCH SURFACES UNTIL THEY ARE LEVELED ENOUGH TO MEET ABOVE REQUIREMENTS.
19. CLEAN TILE AFTER GROUTING, PER MANUFACTURER'S INSTRUCTIONS, AND PROTECT FROM OTHER TRADES.

SECTION 09500 - ACOUSTICAL TREATMENT - LAY IN

1. USE TILE UNITS AS INDICATED IN MATERIALS SCHEDULE.
2. SUSPENSION SYSTEMS IS TO BE ARMSTRONG PRELUDE XL, 15/16", GRID SYSTEM, FLAT WHITE. WHERE SUSPENSION SYSTEM METES WALLS USE SHADOW MOLDING, FLAT WHITE. SYSTEM SHALL CONFORM TO THE INTERMEDIATE DUTY CLASSIFICATION OF ASTM C-635.
3. CONTRACTOR SHALL LEAVE OWNER WITH THREE UNOPENED CARTONS OF CEILING TILES.
4. INSTALL THE CEILING SUSPENSION SYSTEM PER THE RECOMMENDATIONS OF ASTM C-636. THE 2012 IBC AND ICC REPORT NO. ESR-1308. LOADING OF ANY COMPONENT MAY NOT CAUSE DEFLECTION OF MORE THAN 1/360 OF THE SPAN. INSTALL 2 PROPER TYPE HOLD DOWN CLIPS PER LOCKING CROSS TEE.
5. ALL LIGHTING FIXTURES WEIGHING LESS THAN 56 POUNDS SHALL HAVE TWO NO. 12 GAGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK.

SECTION 09662 - RESILIENT RUBBER BASE

1. MOLDED RUBBER COVE BASE (TOP SET OR CARPET) SHALL BE 4" HIGH X 1/8" THICK. PROVIDE 6" HIGH RUBBER BASE IN KITCHEN.
2. CONTRACTOR SHALL PROVIDE ALL AVAILABLE ROPPE CORPORATION COLOR SAMPLES TO OWNER FOR APPROVAL.
3. AFTER PREPARATION OF WALL SURFACES, APPLY ADHESIVE TO BACK OF BASE LEAVING TOP 1/4" FREE OF ADHESIVE. PRESS BASE FIRMLY AGAINST THE WALLS SLIDING HORIZONTALLY INTO PLACE, MAKING SURE TOE IS TIGHT TO THE FLOOR AND AGAINST THE WALL. ROLL THE ENTIRE SURFACE OF THE BASE WITH A HAND ROLLER, AND PRESS THE TOP OF THE BASE AGAINST THE WALL WITH A STRAIGHT EDGE. REMOVE EXCESS ADHESIVE IMMEDIATELY. INSTALL PRE-FORMED CORNERS AT ALL OUTSIDE CORNERS. COPE AT INTERNAL CORNERS. WHERE BASE TERMINATES AT PROJECTIONS, INSTALL END CAPS.

SECTION 09663 - ALUMINUM FLOOR TRANSITION STRIPS

1. ALUMINUM FLOOR TRANSITION STRIPS ARE TO BE MANUFACTURED BY SCHLUTER.
2. TO BE AS FOLLOWS:
   - CERAMIC TILE TO CONCRETE — RENO-RAMP/-K WITH AE FINISH
   - CERAMIC TILE TO VCT OR VINYL — RENO-U
3. INSTALL TRANSITION STRIPS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

SECTION 09900 - PAINTING

1. PROVIDE ALL PAINTING AND FINISHING REQUIRED FOR ALL INTERIOR AND EXTERIOR UNFINISHED SURFACES. ALSO PAINT ALL BACKFLOW PREVENTION DEVICES AND SERVICE ENTRANCE SECTIONS, TO MATCH MAIN BUILDING COLOR.
2. CONTRACTOR SHALL PROVIDE OWNER WITH ONE UNOPENED 5 GALLON BUCKET OF EACH TYPE AND COLOR OF PAINT USED IN THE PROJECT. BUCKETS ARE TO BE CLEARLY MARKED AS TO PAINT TYPE AND COLOR.
3. PREPARE A COMPLETE SCHEDULE SHOWING THE MATERIALS PROPOSED TO BE USED FOR EACH SURFACE AND SUBMIT SAME FOR REVIEW/APPROVAL BY ARCHITECT BEFORE PAINTING BEGINS.
4. DELIVER ALL PAINT TO SITE IN MANUFACTURER'S LABELED AND SEALED CONTAINERS LABELS SHALL GIVE MANUFACTURER'S NAME, BRAND, TYPE, BATCH NUMBER, COLOR OF PAINT AND INSTRUCTIONS FOR REDUCING. THIN ONLY IN ACCORDANCE WITH PRINTED DIRECTIONS OF MANUFACTURER.
5. BEFORE PAINTING, REMOVE HARDWARE, ACCESSORIES, PLATES, LIGHTING FIXTURES AND SIMILAR ITEMS OR PROVIDE AMPLE PROTECTION OF SUCH ITEMS. ON COMPLETION OF EACH SPACE, REPLACE ABOVE ITEMS. PROTECT ADJACENT SURFACES AS REQUIRED OR DIRECTED.
6. PREPARATION, APPLICATION, WORKMANSHIP, COMPLETION, AND ACCEPTANCE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE PROVISIONS OF 'PAINTING SPECIFICATION MANUAL' BY P.D.C.A. FOR TYPE 1 STANDARD JOB. PERFORM ALL WORK USING ONLY EXPERIENCED, COMPETENT PAINTERS. HAND BRUSH OR ROLL WORK EXCEPT WHERE OTHERWISE PERMITTED OR DIRECTED. WHEN COMPLETED, THE PAINTING SHALL REPRESENT A FIRST-CLASS WORKMANLIKE APPEARANCE. APPLY ALL PAINT MATERIALS UNDER ADEQUATE ILLUMINATION.
7. ALL COATINGS MUST COMPLY WITH APPLICABLE LOCAL AND FEDERAL REGULATIONS GOVERNING VOLATILE ORGANIC COMPOUNDS. IF THESE SPECIFICATIONS DO NOT MEET THESE STANDARDS THEN CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY.
8. PAINT ONLY WHEN SURFACES ARE CLEAN, DRY, SMOOTH AND ADEQUATELY PROTECTED FROM DAMPNESS. EACH COAT OF PAINT SHALL BE WELL BRUSHED ON, WORKED OUT EVENLY AND ALLOWED TO DRY AT LEAST 24 HOURS BEFORE THE SUBSEQUENT COAT IS APPLIED. FINISHED WORK SHALL BE UNIFORM, OF APPROVED COLOR, SMOOTH AND FREE FROM RUNS, SAGS, CLOGGING OR EXCESSIVE FLOODING. MAKE EDGES OF PAINT ADJOINING OTHER MATERIALS OR COLORS SHARP AND CLEAN, WITHOUT OVERLAPPING. WHERE HIGH GLOSS ENAMEL IS USED, LIGHTLY SAND UNDERCOATS TO OBTAIN A SMOOTH FINISH COAT.
9. ALL EXPOSED WATER, GAS, AIR, SPRINKLER, WASTE PIPING, EXPOSED CONDUIT, LIGHTING PANELS, AND TELEPHONE TERMINAL BOXES. EXPOSED DUCTWORK DOES NOT NEED TO BE PAINTED.
10. FOR EXTERIOR COLORS REFER TO MATERIALS SCHEDULE.
11. AL EXTERIOR MASONRY BUILDING AND SITE WALLS ARE TO BE SEALED PER SECTION 07170.

PAINTING SCHEDULES:

THE FOLLOWING SCHEDULES ARE BASED ON SHERWIN WILLIAMS

EXTERIOR:
PAINT SYSTEM 1 - GALVANIZED METAL (SEMI-GLOSS):
PRETREATMENT - SUPREME CHEMICAL, METAL CLEAN AND ETCH (ME 01)
1 COAT GALV-ALUM PREMIUM (GAPR00)
2 COATS OF EVERSHIELD (EVSH50)
PAINT SYSTEM 2 - CMU PROSOCO SILOXANE SEALER, TWO COATS WITH A 6" DRAPE

INTERIOR DRYWALL:
1. PRIMER TO BE ONE COAT OF PVA DRYWALL PRIMER AND SEALER, WHITE
2. FINISH TO BE TWO COATS OF PROMAR 200 ZERO VOC INTERIOR LATEX, EGGSHELL

HOLLOW METAL DOOR AND FRAMES:
1. PRIMER TO BE ONE COAT OF B66W00310-PRO INDUSTRIAL PRO-CRYL UNIVERSAL ACRYLIC PRIMER, OFF WHITE
2. FINISH TO BE TWO COATS OF A76W00051 SOLO INT/EXT 100% ACRYLIC SEMI-GLOSS

INTERIOR CMU:
1. BLOCK FILLER TO BE ONE COAT, SPRAY APPLIED AND BACK ROLLED.
2. FINISH TO BE TWO COATS SEMI GLOSS, ENAMEL - WATERBORN (100% ACRYLIC - NON BLOCKING)

Jun 01, 2020 - 2:44pm

REVISIONS	BY

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W. Alan Kenson REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON Date Signed 06/30/20 ARIZONA EXPIRES: 6/30/21

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DRAWING: Specifications

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 86314

APN: 103-71-001F

DRAWN BY: L.O.
CHECKED BY: W.A.K.
DATE: May 30th, 2020
JOB NO.: 753
SHEET: A12.4

Specifications Continued

SECTION 09986 - FIBERGLASS REINFORCED PLASTIC PANELS	
1.	CONTRACTOR SHALL SUPPLY AND INSTALL EMBOSSED FRP PANELS AT MOP SINK IN JANITOR CLOSETS. PANELS ARE TO BE INSTALLED ON BOTH WALLS THAT MOP SINK ABUT. PANELS ARE TO EXTEND A MINIMUM OF 24" HORIZONTALLY BEYOND BOTH EDGES OF THE MOP SINK AND EXTEND TO 4'-0" ABOVE FINISH FLOOR. PANELS SHALL BE KEMLITE GLASBORD-PIF, COLOR IS TO BE 85 WHITE. PANELS SHALL BE PER ICBO REPORT NO ER-4583. PANELS SHALL MEET USDA/FSIS REQUIREMENTS.
2.	PANELS SHALL HAVE A MINIMUM CLASS C FINISH WITH A FLAME SPREAD LESS THAN 200 AND A SMOKE DEVELOPED RATING OF 450 OR LESS WHEN TESTED PER ASTM E-84 OR UL 723.
3.	SUBMIT 2 SAMPLES OF EACH TYPE OF PANEL AND TRIM PIECE. SUBMIT SELECTION AND VERIFICATION SAMPLES OF PANELS FOR FINISH, COLOR AND TEXTURE.
4.	PANEL THICKNESS TO BE 0.09" IN SHEETS OF 4'x9'.
5.	INSTALL PANELS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND PER ICBO REPORT #ER-4583. USE PRE-MANUFACTURED ON-PIECE PVC TRIM PIECES AT ALL JOINTS, CORNERS, EDGES, ETC. OF FRP PANELS.
6.	PROVIDE TITEBOND FRP ADHESIVE, AS RECOMMENDED BY PANEL MANUFACTURER, TO ATTACH TO WALL.
7.	LEAVE SURFACES CLEAN, NO SOILED OR DISCOLORED MATERIAL, WITH NO DEFECTS.
8.	REMOVE AND REPLACE IMPROPERLY INSTALLED, DEFECTIVE, OR DAMAGED MATERIALS.
DIVISION 10 - SPECIALTIES	
SECTION 10400 - IDENTIFYING DEVICES	
1.	PROVIDE SIGNS AT ALL HANDICAPPED ACCESSIBLE TOILET ROOMS. SIGNAGE SHALL MEET A.D.A. REQUIREMENTS. SIGN SHALL BE MOUNTED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AT A HEIGHT OF 60" ABOVE FLOOR TO THE CENTERLINE OF SIGN.
2.	EXTERIOR EXITS SHALL HAVE TACTILE EXIT SIGNS AS INDICATED ON THE PLANS.
SECTION 10522 - FIRE EXTINGUISHERS & CABINETS	
1.	PROVIDE FIRE EXTINGUISHERS AT LOCATIONS AS REQUIRED BY 2018 IBC. IFC, AND NFPA 10, AND APPROVED BY THE CENTRAL ARIZONA FIRE AND MEDICAL AUTHORITY.
2.	THE MAXIMUM TRAVEL DISTANCE TO A FIRE EXTINGUISHER SHALL NOT EXCEED 75 FEET.
3.	FIRE EXTINGUISHERS ARE TO BE BY LARSEN'S MANUFACTURING COMPANY, MP5 SERIES (2A-10B:C) WITH #818 WALL BRACKETS. WALL BRACKET MOUNTING IS TO ONLY TO BE USED IN ALL AREAS THAT ARE NOT ACCESSIBLE AND/OR VISIBLE TO THE GENERAL PUBLIC.
4.	AT ALL AREAS THAT ARE ACCESSIBLE AND/OR VISIBLE TO THE GENERAL PUBLIC THE CONTRACTOR SHALL PROVIDE RECESSED FIRE EXTINGUISHER CABINETS, PROVIDED BY LARSEN'S MANUFACTURING COMPANY. CABINETS ARE TO BE ARCHITECTURAL SERIES, MODEL #2409-R1 WITH FULL GLASS DOOR. WALL PROJECTION SHALL NOT EXCEED 2-1/2".
5.	FIRE EXTINGUISHERS AND CABINETS ARE TO BE MOUNTED SO THAT THEIR TOP IS NOT MORE THAN 5 FEET ABOVE THE FLOOR.
SECTION 10800 - TOILET ACCESSORIES	
1.	PROVIDE TOILET ACCESSORIES OF THE SAME MANUFACTURER FOR EACH TYPE OF ACCESSORY UNIT AND FOR UNITS EXPOSED IN THE SAME AREAS, WHEREVER POSSIBLE. STAMPED NAMES OR LABELS ON EXPOSED FACES OF UNITS WILL NOT BE PERMITTED. REFER TO TOILET ACCESSORY SCHEDULE FOR MANUFACTURER AND MODEL NUMBERS.
2.	THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE STEEL STUD SUBCONTRACTOR TO MAKE SURE THAT THEY KNOW THE EXACT LOCATIONS AND SIZES OF ALL RECESSED TOILET ACCESSORIES. GENERAL CONTRACTOR SHALL PROVIDE THE STEEL STUD SUBCONTRACTOR WITH FACTORY CUT SHEETS OF ALL RECESSED ACCESSORIES THAT CLEARLY SHOWS THE ROUGH OPENING REQUIREMENTS FOR THE EQUIPMENT.
3.	THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT THERE IS SOLID WOOD BACKING INSTALLED IN WALLS THAT RECEIVE GRAB BARS, AND OTHER ACCESSORIES, AND THAT THE BACKING IS SUFFICIENT TO PROPERLY SUPPORT THE GRAB BARS.
4.	INSTALLER SHALL PROVIDE ANCHORS, BOLTS AND OTHER NECESSARY FASTENERS, AND ATTACH ACCESSORIES SECURELY TO WALLS AND PARTITIONS. USE CONCEALED FASTENING WHEREVER POSSIBLE.
DIVISION 22 - PLUMBING	
1.	REFER TO PLUMBING PLANS
DIVISION 23 - HEATING, VENTILATION AND AIR CONDITIONING	
1.	REFER TO MECHANICAL PLANS
DIVISION 26 - ELECTRICAL	
1.	REFER TO ELECTRICAL PLANS

REVISIONS		BY
1	TOPV COMMENTS 6-30-2020	LO

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REGISTERED ARCHITECT CERTIFICATE NO. 25646 W. ALAN KENSON STATE OF ARIZONA 06/30/20 EXPIRES: 6/30/21

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DATE: May 30th, 2020
JOB NO.: 753
SHEET: A12.5

Jul 10, 2020 - 9:18am

GENERAL REQUIREMENTS:

1. 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.

2. 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 ON FRAMED FLOOR 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, AT NO ADDITIONAL COST TO OWNER.

3. 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.

4. 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.

5. 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.

6. 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 STRUCTURAL 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: 2018 EDITION OF THE IBC WITH CITY/COUNTY AMENDMENTS.

   RISK CATEGORY = II

2. VERTICAL LOADS:

LOCATION	LIVE / SNOW LOAD	DEAD LOAD
ROOF	30 PSF	5 PSF
OFFICE FLOOR	50 PSF	12 PSF
STORAGE FLOOR	125 PSF	12 PSF
STAIRS	100 PSF	12 PSF

3. SEISMIC DESIGN PARAMETERS:

ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE
IMPORTANCE FACTOR	Ie = 1.00
SITE CLASS	C
SEISMIC DESIGN CATEGORY	C
SPECTRAL RESPONSE ACCELERATIONS	Sms = 0.508, Sm1 = 0.242
SPECTRAL RESPONSE COEFFICIENTS	Sds = 0.339, Sd1 = 0.161
HORIZONTAL SHEAR TRANSFER ELEMENTS:	
STEEL X-BRACE(S)	R = 3.0
VERTICAL SHEAR TRANSFER ELEMENTS:	
STEEL RIGID FRAME(S)	R = 3.0
STEEL X-BRACE(S)	R = 3.0
INTERMEDIATE MASONRY SHEARWALL(S)	R = 3.5

4. WIND DESIGN PARAMETERS (STRENGTH):

ULTIMATE WIND SPEED	101 MPH (3 SECOND GUST)
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	+/-0.18
COMPONENT AND CLADDING PRESSURE	21.6 PSF
NET UPLIFT ON ROOF	32.7 PSF

FOUNDATION NOTES:

1. FOUNDATIONS DESIGNED IN CONFORMANCE WITH RECOMMENDATIONS BY: **ENGINEERING TESTING CONSULTANTS, INC. REPORT NO. 10683 DATED FEBRUARY 25, 2020.**

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	2500 PSF
ALLOWABLE LATERAL BEARING PRESSURE	300 PSF/FT
ALLOWABLE LATERAL SLIDING COEFFICIENT	0.35
LATERAL BACKFILL PRESSURE (UNRESTRAINED)	36 PSF/FT
LATERAL BACKFILL PRESSURE (RESTRAINED)	58 PSF/FT
SITE CLASS	C

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
48" BELOW FINISHED GRADE

4. ALL FOUNDATIONS SHALL BEAR ON UNDISTURBED NATURAL SOIL OR COMPACTED ENGINEERED FILL 48 INCHES MINIMUM BELOW FINISH GRADE. 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 22 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:
FOUNDATIONS	3000 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"
#7	69"

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

   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"
EXPOSED TO EARTH OR WEATHER – #6 AND LARGER	2"	± 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 48 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"
#7	60"
#8	72"

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.

10. MISCELLANEOUS LINTELS:
    FOR MISCELLANEOUS OPENINGS (4'-8" OR LESS) NOT SHOWN ON PLANS OR IN A SCHEDULE, BUT REQUIRED BY OTHER DISCIPLINES (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) THE FOLLOWING OPTIONS MAY BE USED IN 8" MASONRY WALLS:

    OPTION #1: GROUTED REINFORCED MASONRY LINTEL: REINFORCE WITH (2) #4 HORIZONTAL BARS IN BOTTOM OF BOND BEAM OR LINTEL BLOCK AND SHALL BE GROUTED SOLID TO A MINIMUM DEPTH OF 12 INCHES. ALL LINTEL REINFORCING AND GROUT SHALL EXTEND 24" PAST JAMBS.

    OPTION #2: DOUBLE ANGLE LINTELS: USE (2) L3½X3½X¼ BACK-TO-BACK. PROVIDE 12" MINIMUM OF GROUT OVER LINTELS. BEARING FOR STEEL ANGLE LINTELS SHALL BE 4" (±) 1" AT EACH JAMB.

    OPTION #3: POWERS STEEL LINTEL: PS8-8. GROUT LINTEL 8" DEEP. BEARING FOR POWERS STEEL LINTELS SHALL BE 4" (±) 1" AT EACH JAMB.

    THESE LINTELS, OR THE OPENING THEY SPAN, SHALL NOT BE PLACED SO AS TO INTERFERE WITH THE REQUIREMENTS OF OTHER STRUCTURAL ELEMENTS (I.E. BOND BEAMS, LINTELS, CONTROL JOINTS, CONCENTRATED POINTS OF BEARING, ETC.) WITHOUT THE PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.

    SOLID GROUT SHALL BE PROVIDED BETWEEN WEBS AND MASONRY FACE SHELLS FOR FULL LENGTH OF ALL STEEL LINTELS. MORTAR MAY BE USED FOR GROUT FOR THIS PURPOSE ONLY. FACE UNITS, SOAPS, ROMANS, ETC., SHALL BE LAID WITH FULL HEAD AND BED JOINTS.

    FOR ADDITIONAL INFORMATION AT OPENINGS IN MASONRY WALLS, SEE TYPICAL DETAILS.

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.

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	DOUGLAS-FIR NO. 2
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 1-09. 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	¾" T&G	48/24	#8 SCREWS AT 6" O.C.	#8 SCREWS AT 12" O.C.

   SCREWS AT FLOOR SHEATHING SHALL BE #8 SCREWS AND SHALL PENETRATE AT LEAST 1½" INTO THE SUPPORTING MEMBER. ALL FLOOR SHEATHING SHALL BE GLUED TO SUPPORTING MEMBERS WITH ANAPA AFG-01 QUALIFIED GLUE.

   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 DOC PS 2-10 EXPOSURE 1, AND SHALL HAVE A SPAN RATING EQUIVALENT TO OR BETTER THAN THE PLYWOOD IT REPLACES. ATTACHMENT AND THICKNESS (WITHIN 1/32") SHALL BE THE SAME AS THE PLYWOOD IT REPLACES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

3. GLUED-LAMINATED BEAMS (GLULAM): GLUED-LAMINATED BEAMS SHALL BE DOUGLAS FIR COMBINATION AT 24F-V4 AT SIMPLE SPAN BEAMS AND 24F-V8 AT CANTILEVERED BEAMS WITH THE FOLLOWING MINIMUM PROPERTIES: FB = 2,400 PSI, FV = 190 PSI, FC (PERPENDICULAR) = 650 PSI, E =1,800 KSI. ALL BEAMS SHALL BE FABRICATED USING WATERPROOF GLUE. FABRICATION AND HANDLING PER LATEST AITC AND WCLA STANDARDS. BEAMS TO BEAR GRADE STAMP AND AITC STAMP AND CERTIFICATE. CAMBER AS SHOWN ON DRAWINGS. STANDARD CAMBER IS BASED ON A RADIUS OF CURVATURE OF 2000 FEET.

4. SILL PLATES RESTING ON CONCRETE OR MASONRY WITHIN 12" OF SOIL 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.

5. 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.

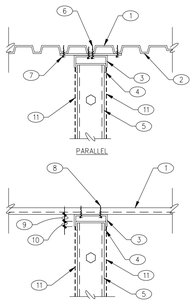
6. BOLTING: ALL BOLTS IN WOOD CONNECTIONS SHALL CONFORM TO ASTM A307. BOLTS SHALL BE INSTALLED IN HOLES BORED WITH A BIT ⅛" LARGER THAN THE ø (DIAMETER) OF THE BOLT. BOLTS AND NUTS SEATING ON WOOD SHALL HAVE CUT STEEL WASHERS UNDER HEADS AND NUTS. NICK THREADS TO PREVENT LOOSENING.

7. PREFABRICATED PLYWOOD WEB I-JOIST/PURLINS (REDBUILT OR EQUAL): DESIGN, FABRICATION AND ERECTION IN ACCORDANCE WITH THE LATEST EDITION ICBO REPORT NER-119. CONNECTIONS AND BEARING MATERIAL TO BE DESIGNED AND FURNISHED BY JOIST FABRICATOR. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH DESIGN CALCULATIONS SEALED BY A REGISTERED STRUCTURAL ENGINEER FOR REVIEW PRIOR TO MANUFACTURE. ADDITIONAL I-JOISTS SHALL BE SUPPLIED AS REQUIRED TO SUPPORT MECHANICAL EQUIPMENT. TOTAL LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/240. FLOOR LIVE LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/480.

GYPSUM BOARD SHEATHING:

1. ALL GYPSUM BOARD SHEATHING MATERIALS SHALL CONFORM TO ASTM C79 AND SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C1280. FOUR-FOOT WIDE PIECES OF GYPSUM SHEATHING SHALL BE APPLIED PARALLEL OR PERPENDICULAR TO THE STUDS. TWO-FOOT WIDE PIECES OF GYPSUM SHEATHING SHALL BE APPLIED PERPENDICULAR TO THE STUDS. END JOINTS OF ADJACENT COURSES OF GYPSUM BOARD SHALL BE STAGGERED.

2. FOR FIRE RATED WALLS WITH GYPSUM SHEATHING EACH SIDE, GYPSUM SHEATHING SHALL BE INSTALLED SO THAT ALL EDGES ARE SUPPORTED EXCEPT



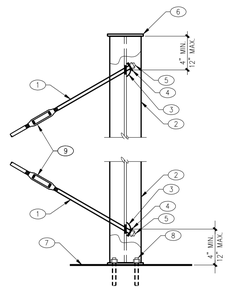
KEY NOTES:

1. STEEL DECK WHERE OCCURS.
2. 18 GA.x4"x6" PLATE AT 48" O.C.
3. 14 GA. CONTINUOUS BENT STEEL PLATE OR, DEEP LEG 14 GA. SLIP TRACK BY STUD MANUFACTURER.
4. STEEL STUD TRACK.
5. STEEL STUD WALL.
6. (2) #10 SCREWS AT EACH PLATE.
7. (3) #10 SCREWS AT RIBS.
8. #10 SCREWS AT 12" O.C. – STAGGER SIDES.
9. 1" CLEAR MINIMUM – TYPICAL.
10. 1" MINIMUM – TYPICAL.
11. WALL COVERING WHERE OCCURS – DO NOT ATTACH TO SLIP TRACK OR BENT STEEL PLATE.

NOTE:

ALTERNATIVELY TRACK MAY BE ATTACHED TO LIGHT GAUGE STEEL PURLINS OR LIGHT GAUGE STEEL BLOCKING SPACED AT 2'–0" O.C. BETWEEN PURLINS W/ (2) #10 TEKS AT EACH PURLIN/BLOCK.

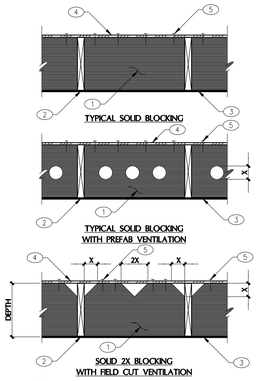
T16 NON-BEARING STEEL STUD TOP TRACK CONNECTION
NO SCALE



KEY NOTES:

1. STEEL ROD OR STEEL CABLE W/ EYE BOLT.
2. STEEL COLUMN.
3. HILLSIDE WASHER.
4. FLAT WASHER.
5. NUT.
6. COLUMN CAP PLATE.
7. LINE OF FLOOR OR FOUNDATION AS OCCURS.
8. AB's PER PLAN AT FOUNDATION.
9. TURNBUCKLE WHEN STEEL ROD USED.

T12 TYPICAL X-BRACING AT STEEL COLUMN (W-SHAPE)
NO SCALE



KEY NOTES

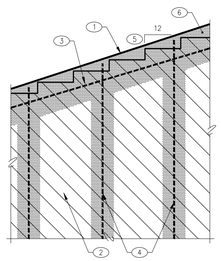
1. SOLID BLOCKING TO BE TIGHT AGAINST PLYWOOD.
2. PREFAB WOOD TRUSS OR WOOD JOIST.
3. TOP OF WOOD PLATE OR BEAM AS OCCURS.
4. PLYWOOD SHEATHING.
5. EDGE NAILING.

VENTILATION OPENINGS	
DEPTH	X
6"	2"
8"	2.5"
10"	3"
12"	3"

NOTES:

1. FOR CONSTRUCTION BELOW BLOCKING, SEE PLAN AND DETAILS. BLOCKING IS CONTINUOUS.
2. INDIVIDUAL SHEAR BLOCKS MAY BE OMITTED EVERY 5TH BLOCK.

T13 ELEVATION – TYPICAL SOLID 2X BLOCKING
02–W0502 NO SCALE



KEY NOTES:

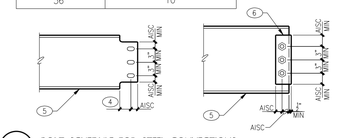
1. 16" DEEP SOLID GROUTED BOND BEAM.
2. MASONRY WALL.
3. BOND BEAM REINFORCING.
4. VERTICAL WALL REINFORCING.
5. SLOPE PER PLAN OR ARCHITECTURAL DRAWINGS.
6. SIDES OF BOND BEAM TO BE FORMED OR MADE FROMCUT BLOCK.

T8 ELEVATION – SLOPED BOND BEAM AT TOP OF MASONRY WALL
02–M0602 NO SCALE

NOMINAL BEAM DEPTH "D"	NUMBER OF ¾"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

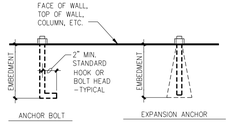
KEY NOTES:

1. THE TYPICAL STEEL BEAM TO STEEL COLUMN OR STEEL BEAM TO STEEL BEAM CONNECTION CONSISTS OF ⅜" THICK SINGLE SHEAR PLATES WITH ¾"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.



T9 BOLT SCHEDULE FOR STEEL CONNECTIONS
02–S02 NO SCALE

BOLT SIZE	CAST IN PLACE EMBEDMENT(MINIMUM)		EXPANSION ANCHOR EMBEDMENT(MINIMUM)	
	VERTICAL	HORIZONTAL	VERTICAL	HORIZONTAL
1/4"ø	4"	4"	2"	1.125"
3/8"ø	5"	4"	3"	1.5"
1/2"ø	7"	4"	4"	2"
5/8"ø	8"	5"	5"	2.5"
3/4"ø	9"	6"	6"	3"
7/8"ø	10"	7"	7"	3.5"
1"ø	11"	8"	9"	4"



KEY NOTES:

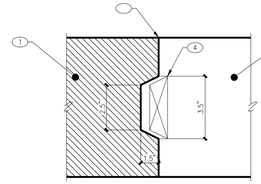
ANCHOR OR BOLT DIAMETERS SPECIFIED IN DETAILS OR ON PLANS SHALL MEET THESE MINIMUM REQUIREMENTS FOR EMBEDMENT.

THICKNESS OF DRYPACK DOES NOT APPLY TOWARDS EMBEDMENT.

EXPANSION ANCHOR APPROVALS:

SIMPSON WEDGE–ALL (ESR–1396)
HILTI ANCHORS KWK–BOLT (ESR–1917).
POWERS POWER–STUD (ESR–2818)

T10 TYPICAL ANCHOR BOLT, AND EXPANSION BOLT SCHEDULE
02–S0101 NO SCALE



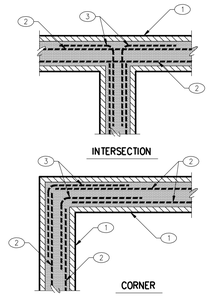
KEYNOTES:

1. CONCRETE FOOTING – 1ST POUR.
2. CONCRETE FOOTING – 2ND POUR.
3. FORMED KEY IN CONCRETE FOOTING.
4. BEVELED WOOD 2X4 "BUCK".

NOTES:

1. LOCATE KEY AT MID–DEPTH OF CONCRETE FOOTING.
2. REMOVE "BUCK" PRIOR TO PLACING 2ND POUR.

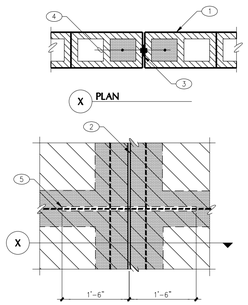
T4 TYPICAL – KEY IN CONCRETE FOOTING COLD JOINT
02–F0203 NO SCALE



KEY NOTES:

1. MASONRY WALL.
2. BOND BEAM REINFORCING.
3. CORNER BARS SAME SIZE AND SPACING AS HORIZONTAL REINFORCING – MINIMUM LAP PER G.S.N..

T5 PLAN – CORNER REINFORCING IN MASONRY WALLS
02–M0201 NO SCALE



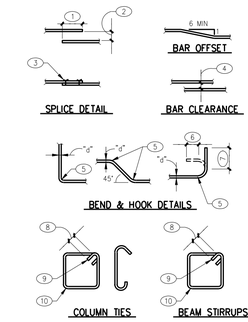
KEY NOTES:

1. MASONRY WALL.
2. CONTROL JOINT.
3. CONTROL JOINT MATERIAL PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
4. (1) VERTICAL BAR EACH SIDE IN SOLID GROUTED CELLS TO MATCH VERTICAL WALL REINFORCING.
5. CONTINUOUS BOND BEAM BARS – WRAP BARS WITH MASTIC FOR BOND BREAK.

NOTES:

BOND BEAM BARS SHALL NOT BE LAPPED WITHIN 8'–0" OF CONTROL JOINT.

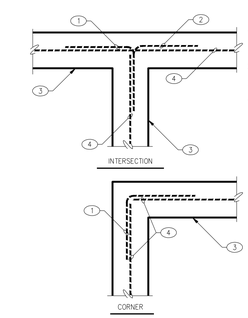
T6 CONTROL JOINT IN MASONRY WALL
02–M0301 NO SCALE



KEY NOTES:

1. LAP – SEE G.S.N.
2. MAXIMUM ⅛ LAP BUT NOT MORE THAN 6".
3. WIRE TIES.
4. 1d (1" MINIMUM).
5. RADIUS=3d FOR BARS NOT OVER #5; 4d FOR #6, #10 AND #1 BARS; 5d FOR #14 AND #18 BARS; 5d FOR ALL GRADE 40 BARS WITH 180 DEGREE HOOK.
6. 4d (4" MINIMUM).
7. 12d (90 DEGREE HOOK).
8. 6d (4" MINIMUM).
9. 135 DEGREE BEND.
10. BEND AROUND ⅛" PIN FOR #3 BARS. BEND AROUND 2" PIN FOR #4 BARS. BEND AROUND 2½" PIN FOR #5 BARS.

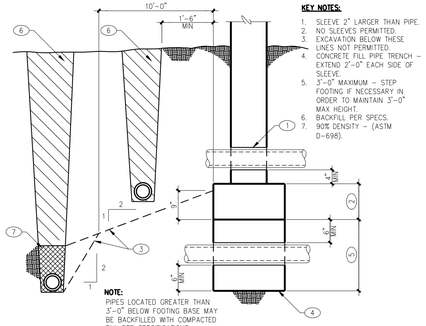
T1 TYPICAL REINFORCING DETAILS
02–C01 NO SCALE



KEY NOTES:

1. CORNER BARS SAME SIZE AND SPACING AS HORIZONTAL REINFORCING, MINIMUM LAP PER G.S.N.
2. ALTERNATE DIRECTION OF BENDS.
3. CONCRETE STEM WALL OR FOOTING.
4. REINFORCING PER PLANS AND SCHEDULES.

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



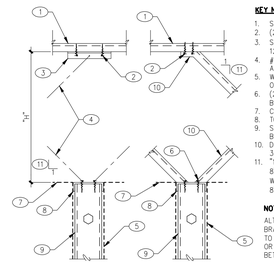
KEY NOTES:

1. SLEEVE 2" LARGER THAN PIPE. NO SLEEVES PERMITTED.
2. EXCAVATION BELOW THESE LINES NOT PERMITTED.
3. CONCRETE FILL PIPE TRENCH – EXTEND 2'–0" EACH SIDE OF SLEEVE.
4. 3'–0" MAXIMUM – STEP FOOTING IF NECESSARY IN ORDER TO MAINTAIN 3'–0" MAX. HEIGHT.
5. BACKFILL PER SPECS.
6. 90% DENSITY – (ASTM D–698).

NOTE:

PIPES LOCATED GREATER THAN 3'–0" BELOW FOOTING BASE MAY BE BACKFILLED WITH COMPACTED FILL PER SPECIFICATIONS.

T3 PIPES AND TRENCHES AT CONCRETE FOOTING
02–F03 NO SCALE



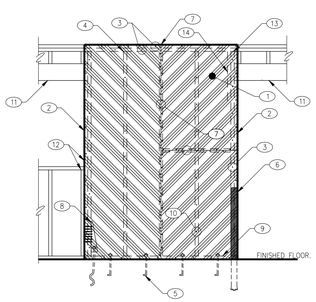
KEY NOTES:

1. STEEL DECK WHERE OCCURS.
2. (2) #10 SCREWS TO DECK.
3. STEEL ANGLE 1½" X 18 GA. X 12" LONG.
4. #12 GAGE WIRES LOOPED AROUND TRACK AT STUD.
5. WALL COVERING WHERE OCCURS.
6. (2)–#10 SCREWS AT EACH BRACE.
7. CEILING LINE.
8. TOP TRACK.
9. STUD AT BRACE ATTACH BRACE.
10. DIAGONAL TENSION BRACE – 358S162–33 STUD EACH SIDE.
11. "L" VERTICAL WHERE "H" IS 8'–0" OR LESS. "2" MAX WHERE "H" IS GREATER THAN 8'–0".

NOTE:

ALTERNATIVELY TENSION BRACES/WIRES MAY BE ATTACHED TO LIGHT GAUGE STEEL PURLINS OR LIGHT GAUGE STEEL BLOCKING BETWEEN PURLINS.

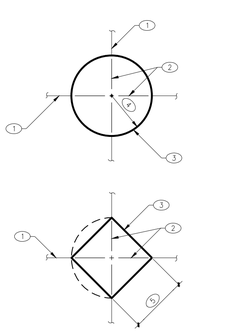
T17 NON-BEARING TOP TRACK SUPPORT DETAIL – TOP CONNECTION
NO SCALE



KEY NOTES:

1. SHEATHING MATERIAL.
2. SHEARWALL END POST. (DOUBLE STUD AT HOLDOWN U.N.O.) CAN ALSO CONSIST OF (1) KING STUD AND (1) TRIMMER STUD AS SHOWN.
3. EDGE NAILING AT ALL SHEATHING PANEL EDGES – STAGGER NAILS AT DOUBLE TOP PLATE AND DOUBLE STUD END POSTS.
4. FULL HEIGHT WOOD STUDS.
5. ANCHOR BOLTS TO FOUNDATION OR NAILS TO LOWER FRAMING PER SHEARWALL SCHEDULE.
6. SIMPSON STHD TYPE HOLDOWN.
7. SOLID 2X BLOCKING AND EDGE NAILING REQUIRED AT PLYWOOD SHEET EDGES. SHEATHING MAY BE ORIENTATED HORIZONTALLY OR VERTICALLY SO LONG AS PANEL JOINTS OCCUR AT STUDS OR BLOCKING.
8. SIMPSON HDU TYPE HOLDOWN.
9. CONTINUOUS 2X SOLE PLATE.
10. FIELD NAILING AWAY FROM PANEL EDGES.
11. WOOD HEADER.
12. TRIMMER STUD UNDER HEADER AND SILL PROVIDE ADDITIONAL TRIMMER STUDS WHERE INDICATED ON PLANS.
13. FULL HEIGHT KING STUD.
14. PROVIDE ADDITIONAL KING STUDS WHERE INDICATED ON PLANS.

T14 ELEVATION–TYPICAL 1–STORY SHEARWALL AT DOOR/WINDOW
02–W0601 NO SCALE



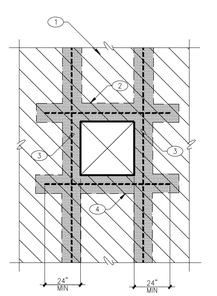
KEY NOTES:

1. "CONC. CJ" WHERE SHOWN ON PLAN.
2. CENTERLINE OF COLUMN.
3. KEYED JOINT.
4. RADIUS 1'–6" MINIMUM AND 3'–0" MAXIMUM.
5. 2'–0" MINIMUM AND 3'–0" MAXIMUM.

NOTE:

FOR CLARITY, COLUMNS OMITTED. FOR CONFIGURATION OF SPECIFIC CLOSURE POURS SEE PLAN.

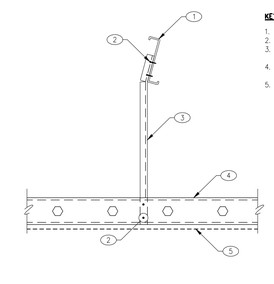
T11 PLAN – COLUMN CLOSURE POUR AT CONCRETE SLAB
03–CS0601 NO SCALE



KEY NOTES:

1. MASONRY WALL.
2. LINTEL PER PLAN OR G.S.N. – GROUT SOLID.
3. VERTICAL BARS IN GROUTED CELL TO MATCH VERTICAL WALL REINFORCING FULL HEIGHT OF WALL.
4. (2)–#5 IN 8" DEEP SOLID GROUTED BOND BEAM – BEND BARS UP AT CORNERS.

T7 ELEVATION – TYPICAL OPENING IN MASONRY WALL
02–M0401 NO SCALE



KEY NOTES:

1. STEEL Z–PURLIN PER PLAN.
2. (2) #10 X 1" 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.

T18 CEILING SUPPORT FRAMING
NO SCALE

GENERAL STRUCTURAL NOTES:

1. ALL COLD–FORMED STEEL FRAMING SHALL BE FABRICATED AND ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD–FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE AND METAL STUD MANUFACTURER'S ASSOCIATION – ICBO #4943.
2. STEEL FOR ALL STUDS AND FOR ALL GAGES OF TRACK, ACCESSORIES AND BRIDGING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI U.N.O.
3. ALL STUDS SHALL BE SECURELY SEATED FOR FULL END BEARING ON TOP AND BOTTOM TRACK. UNLESS NOTED OTHERWISE, PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS, AND INTERSECTIONS. BRIDGING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AT MID HEIGHT OF WALL FOR WALLS LESS THAN 10'–0" HIGH, AND AT 5'–0" FOR WALLS GREATER THAN 10'–0" HIGH.

ALLOWABLE WALL HEIGHTS FOR FULL HEIGHT INTERIOR WALL PARTITIONS				BRACE SPACING WHERE OCCURS
STUD SIZE	TRACK SIZE	STUD SPACING		
		16" O.C.	24" O.C.	
600S162–33	600T162–33	32'–3" A.F.F.	28'–4" A.F.F.	10'–0" O.C.
358S162–33	358T162–33	21'–11" A.F.F.	19'–2" A.F.F.	10'–0" O.C.

VALUES BASED ON NO AXIAL LOAD, 5 PSF LATERAL LOAD, AND A DEFLECTION LIMIT OF H/120 (VERIFY WITH ARCHITECTURAL SPECIFICATIONS FOR SPECIAL REQUIREMENT). BRACING DESIGN BASED ON MAXIMUM WALL HEIGHT (TO CEILING) OF 10'–0".

INSTALLATION OPTIONS:

1. STEEL STUDS WALLS THAT SPAN FULL HEIGHT TO UNDERSIDE OF STRUCTURE MAY BE INSTALLED UNBRACED PER SCHEDULE ABOVE.
2. PLANS AND DETAILS OF OPTIONAL METHODS SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
3. FOR ADDITIONAL INFORMATION, SEE DETAILS T16 AND T17.
4. BOTTOM TRACK SHALL BE ATTACHED TO CONCRETE FLOORS USING ½"ø EXPANSION ANCHORS AT 48" O.C. (2 MIN PER TRACK) WITH 2¾" EMBEDMENT.

T15 NON–BEARING INTERIOR STEEL STUD WALL SCHEDULE
NO SCALE

REVISIONS	BY

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DRAWING: TYPICAL DETAILS

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
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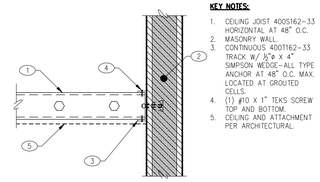
PROJECT: 103-71-001F

DRAWN BY: MJS
CHECKED BY: AGK
DATE: 7/10/20
SCALE: AS NOTED
JOB NO.: 2020-034
SHEET: **S1.1**

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JOB NO.: 2020–034 | PROJECT MANAGER: AGK | CAD OPERATOR: MJS

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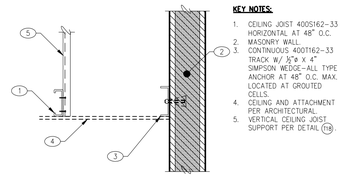


KEY NOTES:

1. CEILING JOIST 400S162-33 HORIZONTAL AT 48" O.C.
2. MASONRY WALL.
3. CONTINUOUS 400T162-33 TRACK W/ 3/8"ø X 4" SIMPSON WEDGE-ALL TYPE ANCHOR AT 48" O.C. MAX. LOCATED AT GROUTED CELLS.
4. (1) #10 X 1" TEKS SCREW TOP AND BOTTOM.
5. CEILING AND ATTACHMENT PER ARCHITECTURAL.

T19 **CEILING JOISTS AT MASONRY WALL**

NO SCALE

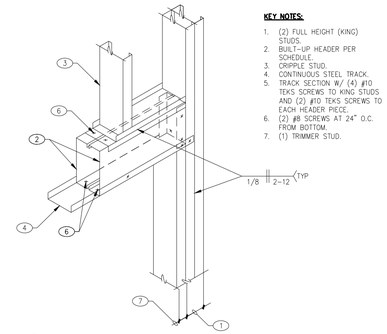


KEY NOTES:

1. CEILING JOIST 400S162-33 HORIZONTAL AT 48" O.C.
2. MASONRY WALL.
3. CONTINUOUS 400T162-33 TRACK W/ 3/8"ø X 4" SIMPSON WEDGE-ALL TYPE ANCHOR AT 48" O.C. MAX. LOCATED AT GROUTED CELLS.
4. CEILING AND ATTACHMENT PER ARCHITECTURAL.
5. VERTICAL CEILING JOIST SUPPORT PER DETAIL (T19).

T20 **CEILING JOIST FRAMING PARALLEL TO MASONRY WALL**

NO SCALE



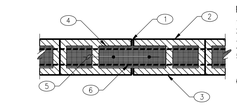
KEY NOTES:

1. (2) FULL HEIGHT (KING) STUDS.
2. BUILT-UP HEADER PER SCHEDULE.
3. CRIPPLE STUD.
4. CONTINUOUS STEEL TRACK.
5. TRACK SECTION W/ (4) #10 TEKS SCREWS TO KING STUDS AND (2) #10 TEKS SCREWS TO EACH HEADER PIECE.
6. (2) #8 SCREWS AT 24" O.C. FROM BOTTOM.
7. (1) TRIMMER STUD.

T21 **LIGHT GAUGE STEEL BOX-BEAM HEADER**

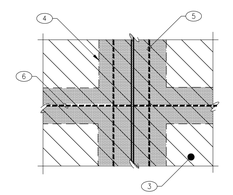
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KEY NOTES:

1. RAKE JOINT.
2. OPEN END MASONRY UNIT.
3. MASONRY WALL.
4. GROUT SOLID.
5. 1 VERTICAL BAR EACH SIDE OF CONTROL JOINT TO MATCH VERTICAL WALL REINFORCING.
6. HORIZONTAL REINFORCING CONTINUOUS THRU CONTROL JOINT.



NOTE:
BOND BEAM BARS CANNOT BE LAPPED WITHIN 8'-0" OF CONTROL JOINT

T22 **CONTROL JOINT IN MASONRY LINTEL**

02-M0303

NO SCALE

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JOB NO.: 2020-034	PROJECT MANAGER: AGK	CAD OPERATOR: MJS

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Registered Professional Engineer (Structural) CERTIFICATE NO. 27341 DATE SIGNED 7.10.20 ARIZONA U.S.A.

27341
RICHARD K.
FROST
7.10.20

EXPIRES 9/30/2020

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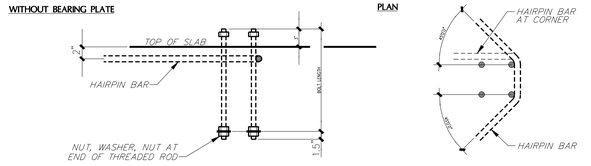
DRAWING: TYPICAL DETAILS

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

PROJECT: 103-71-001F

DRAWN BY	MJS
CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S1.2

STEEL COLUMN WITH HAIRPIN SCHEDULE



MARK	BASE ANCHORAGE	BEARING PLATE
SC1	(1) #6 HAIRPIN W/ 48" LEGS	NONE
SC9	(1) #6 HAIRPIN W/ 48" LEGS	NONE

SHEARWALL HOLDOWN SCHEDULE

MARK	HOLDOWN	SHEARWALL END POST	DETAIL REFERENCE	ALTERNATE DETAIL
1	SIMPSON HDU2	(2) 2X STUDS	113	NONE

SHEARWALL HOLDOWN FASTENERS

HOLDOWN	HOLDOWN CONNECTS TO STRUCTURE BELOW WITH:	HOLDOWN CONNECTS TO SHEARWALL ENDPOST WITH:
SIMPSON HDU2	CAST-IN-PLACE SIMPSON SSTB16 ANCHOR BOLT	(6) ¼"ø X 2.5" SDS SCREWS

SHEARWALL SCHEDULE

NOTES:
1. SHEARWALL TYPES LISTED BELOW ARE NOT JOB SPECIFIC. SOME TYPES MAY NOT BE USED ON PLANS.
2. BLOCK ALL PANEL EDGES WHERE INDICATED ON SCHEDULE. EDGE NAIL SHEATHING AT BLOCKED EDGES.
3. FRAMING MEMBER SUPPORTING MATERIAL SHALL BE SPACED AT 16" ON CENTER MAXIMUM.
4. ANCHOR BOLTS TO FOUNDATION SHALL BE 10 LONG AND SHALL BE EMBEDDED 7 INCHES INTO CONCRETE. EXPANSION BOLTS OR SHOT PINS MAY BE USED AT INTERIOR WALLS (AWAY FROM EDGE OF SLAB OR SLAB STEPDOWN) PER SUPPLEMENTAL INSTRUCTIONS.
5. A MINIMUM OF 2 ANCHOR BOLTS SHALL BE USED ON EACH BASE PLATE PIECE. PROVIDE 1 ANCHOR BOLT MINIMUM WITHIN 9 INCHES OF EACH END OF EACH PIECE.
6. PROVIDE CONTINUOUS DOUBLE 2X PLATE TOP PLATE AT ALL SHEAR WALLS AND EXTERIOR WALLS. UNLESS NOTED OTHERWISE, LAP SPLICE TOP PLATE A MINIMUM OF 6'-0" WITH 16d NAILS STAGGERED AT 4" ON CENTER (18-16d NAILS TOTAL BETWEEN SPLICE JOINTS).
7. PROVIDE FULL HEIGHT DOUBLE STUDS AT ENDS OF SHEAR WALLS UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.
8. ELEVATED SHEAR WALLS TO BE FRAMED OVER DOUBLE JOIST OR SOLID BLOCKING UNLESS NOTED OTHERWISE.
9. "L=P.P." DESIGNATES LENGTH OF SHEARWALL (±3").

MARK	SHEATHING MATERIAL	EDGE NAILING	FIELD NAILING	BOTTOM PLATE ATTACHMENT
1 L=P.P.	½" GYPBOARD (UNBLOCKED) ONE SIDE OF WALL	5d COOLER AT 7" O.C. OR #6 SCREWS AT 6" O.C.	5d COOLER AT 7" O.C. OR #6 SCREWS AT 12" O.C.	CONCRETE: ½"ø A.B. AT 72" O.C. WOOD: 16d AT 16" O.C.
2 L=P.P.	⅝" GYPBOARD (UNBLOCKED) ONE SIDE OF WALL	5d COOLER AT 7" O.C. OR #6 SCREWS AT 6" O.C.	5d COOLER AT 7" O.C. OR #6 SCREWS AT 12" O.C.	CONCRETE: ½"ø A.B. AT 72" O.C. WOOD: 16d AT 12" O.C.
3 L=P.P.	1 L=P.P. OR 2 L=P.P. BOTH SIDES	5d COOLER AT 7" O.C. OR #6 SCREWS AT 6" O.C.	5d COOLER AT 7" O.C. OR #6 SCREWS AT 12" O.C.	CONCRETE: ½"ø A.B. AT 48" O.C. WOOD: 16d AT 8" O.C.
4 L=P.P.	1 ONE SIDE 2 OTHER SIDE	SEE ABOVE	SEE ABOVE	CONCRETE: ½"ø A.B. AT 36" O.C. WOOD: 16d AT 6" O.C.
5 L=P.P.	½" OR ⅜" PLYWOOD OR OSB (BLOCKED) ONE SIDE OF WALL	8d COMMON AT 6" O.C.	8d COMMON AT 12" O.C.	CONCRETE: ½"ø A.B. AT 36" O.C. WOOD: 16d AT 6" O.C.

ALTERNATE FASTENER SCHEDULE

MATERIAL: ½" SHEARWALL OR ROOF SHEATHING

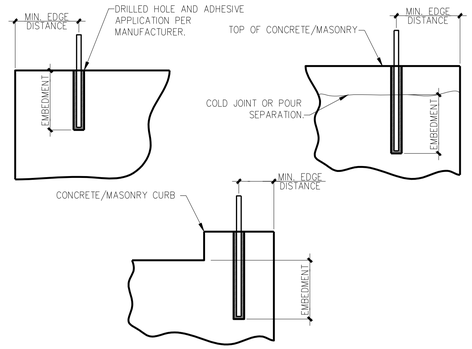
SPECIFIED FASTENER	ALTERNATE FASTENER
8d COMMON AT 12" O.C.	16 GA STAPLE AT 12" O.C. 15 GA STAPLE AT 12" O.C. 14 GA STAPLE AT 12" O.C. 13 GA STAPLE AT 12" O.C.
8d COMMON AT 6" O.C.	16 GA STAPLE AT 4" O.C. 15 GA STAPLE AT 5" O.C. 14 GA STAPLE AT 6" O.C. 13 GA STAPLE AT 6" O.C.
8d COMMON AT 4" O.C.	16 GA STAPLE AT 2.5" O.C. 15 GA STAPLE AT 3" O.C. 14 GA STAPLE AT 4" O.C. 13 GA STAPLE AT 5" O.C.
8d COMMON AT 3" O.C.	15 GA STAPLE AT 2" O.C. 14 GA STAPLE AT 3" O.C. 13 GA STAPLE AT 4" O.C.
10d COMMON AT 12" O.C.	16 GA STAPLE AT 12" O.C. 15 GA STAPLE AT 12" O.C. 14 GA STAPLE AT 12" O.C. 13 GA STAPLE AT 12" O.C.
10d COMMON AT 6" O.C.	16 GA STAPLE AT 3" O.C. 15 GA STAPLE AT 4" O.C. 14 GA STAPLE AT 5" O.C. 13 GA STAPLE AT 6" O.C.
10d COMMON AT 4" O.C.	16 GA STAPLE AT 2" O.C. 15 GA STAPLE AT 2.5" O.C. 14 GA STAPLE AT 3" O.C. 13 GA STAPLE AT 4" O.C.
10d COMMON AT 3" O.C.	14 GA STAPLE AT 2.5" O.C. 13 GA STAPLE AT 3" O.C.
10d COMMON AT 2" O.C.	13 GA STAPLE AT 2" O.C.

NOTES:
1. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16" OUTSIDE DIMENSION.
2. FRAMING SHALL BE 3X OR WIDER WHEN NAIL OR STAPLE SPACING IS LESS THAN 3" O.C.
3. ALL STAPLES SHALL HAVE 1 3/4" LONG LEGS MINIMUM.
4. STAPLE SIZES AND SPACING PER REPORT NO. NER-272.

ALTERNATE EPOXY ANCHOR SCHEDULE

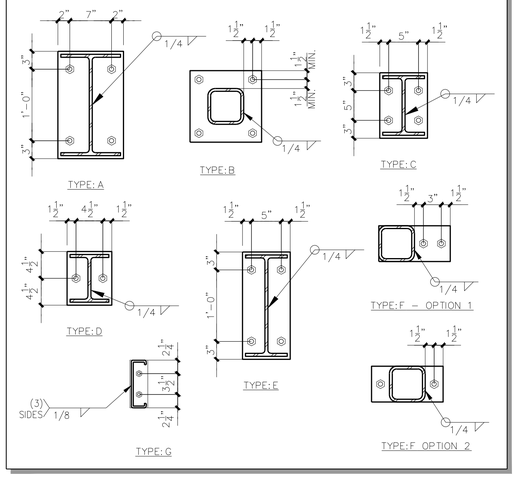
SPECIFIED ANCHOR	ALTERNATE ANCHOR	DRILLED HOLE	MINIMUM EDGE DISTANCE
SIMPSON SSTB16	15" LONG X ⅝"ø A307 THREADED ROD	¾"ø X 12" DEEP	1 ¾"

SCHEDULE NOTES:
1. CLEAN ALL DRILLED HOLES WITH COMPRESSED AIR.
2. CONCRETE: USE HILTI HIT-RE 500-SD ADHESIVE (ESR-2322) OR SIMPSON SET-XP (ESR-2508). MASONRY: USE SIMPSON "SET" ADHESIVE (ESR-1772).
3. INSTALL ALL SYSTEMS ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
4. DO NOT PLACE ALL-THREAD ROD WITHIN MINIMUM EDGE DISTANCE TO FREE EDGE OF CONCRETE OR ADJACENT BOLTS.

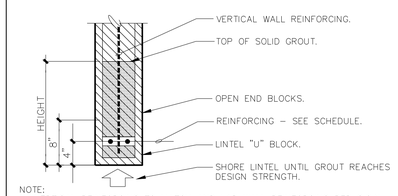


STEEL COLUMN (SC) SCHEDULE

MARK	SIZE	BASE CONNECTION	BASE CONNECTION TYPE	REMARKS
SC1	W16X77	18"X11"X½" THICK STEEL PLATE W/ (4) ¾"øX15" LONG GRADE 36 THREADED ROD ANCHORS	TYPE A	---
SC2	HSS6X6X½	12"SQ.X¾" THICK STEEL PLATE W/ (4) ¾"øX15" LONG GRADE 36 THREADED ROD ANCHORS	TYPE B	STARTS AT FOOTING
SC3	W10X33	11"X9"X½" THICK STEEL PLATE W/ (4) ¾"øX15" LONG GRADE 36 THREADED ROD ANCHORS	TYPE C	---
SC4	W8X18	9"X7"X½" THICK STEEL PLATE W/ (2) ¾"øX12" LONG GRADE 36 THREADED ROD ANCHORS	TYPE D	---
SC5	W16X57	18"X8"X½" THICK STEEL PLATE W/ (4) ¾"øX12" LONG GRADE 36 THREADED ROD ANCHORS	TYPE E	---
SC6	HSS4X4X¼	10"X5"X¾" THICK STEEL PLATE W/ (2) ¾"øX10" J-BOLT ANCHORS (OR (2) ¾"øX8" EXPANSION ANCHORS	TYPE F	---
SC7	8"X2.5"X14GA. 'C' JAMB AT OPENINGS	8"X3"X⅜" THICK STEEL PLATE W/ (2) ½"øX4" LONG EXPANSION ANCHORS	TYPE G	---
SC8	W8X13	9"X7"X½" THICK STEEL PLATE W/ (2) ¾"øX10" J-BOLT ANCHORS (OR (2) ¾"øX8" EXPANSION ANCHORS)	TYPE D	---
SC9	W16X89	18"X11"X½" THICK STEEL PLATE W/ (4) ¾"øX15" LONG GRADE 36 THREADED ROD ANCHORS	TYPE A	---
SC10	W14X90	ENCASED IN CONCRETE CAISSON FOOTING SEE DETAIL 118		---



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"	(2) #5 HORIZONTAL
ML2	48"	(2) #5 HORIZONTAL

LEDGER (L) SCHEDULE

MARK	SIZE	CONNECTION
L1	8"X2.5"X12GA. 'C'	½"øANCHOR BOLT AT 24" O.C. STAGGERED
L2	3X8	⅝"ø CAST-IN-PLACE ANCHOR BOLTS AT 48" O.C.
L3	3½X18 29F 2.2E PLS	(2) ¾"ø ANCHOR BOLTS AT 16" O.C.

HEADER (H) SCHEDULE

MARK	SIZE	REMARKS
H1	(2) 2X8	4X8
H2	3½X9 GLB	OR 4X12
H3	(2) 1200S162-68	55 KSI

WIND GIRT (G) SCHEDULE

MARK	JOIST	REMARKS
G1	8"X2.5"X14GA. 'Z'	---
G2	8"X2.5"X14GA. 'C'	---

STEEL PURLIN (SP) SCHEDULE

MARK	JOIST	REMARKS
SP1	8"X2.5"X12GA. 'Z' PURLIN AT 5'-0" O.C.	---
SP2	8"X2.5"X12GA. 'C' PURLIN	---

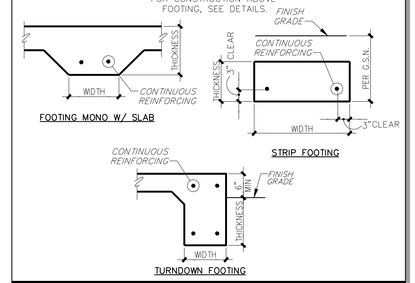
POST (P) SCHEDULE

MARK	SIZE	REMARKS
P1	3½X5¼ PSL	(1.8E PSL)

FLOOR JOIST (FJ) SCHEDULE

MARK	JOIST	REMARKS
FJ1	18" RED-I90HS AT 16" O.C.	---
FJ2	11⅞" RED-I45 AT 16" O.C.	---
FJ3	18" RED-I65 AT 16" O.C.	---

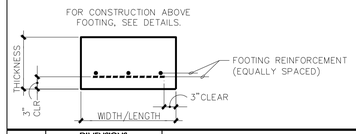
CONCRETE WALL FOOTING (WF) SCHEDULE



MARK	DIMENSIONS WIDTH	DIMENSIONS THICKNESS	FOOTING REINFORCING	FOOTING TYPE
WF1	1'-4"	*	(2) #4 CONTINUOUS BOTTOM, MID-HEIGHT AND TOP	TURNDOWN
WF2	2'-0"	1'-0"	(3) #4 CONTINUOUS	MONO W/ SLAB
WF3	SEE DETAIL 115 FOR MORE INFORMATION			STRIP

* SEE GEOTECH REPORT (18" MINIMUM)

CONCRETE FOOTING (F) SCHEDULE



MARK	DIMENSIONS LENGTH	DIMENSIONS WIDTH	DIMENSIONS THICKNESS	FOOTING REINFORCING	REMARKS
F1	3'-0"	3'-0"	12"	(6) #4 EACH WAY	---
F2	4'-0"	4'-0"	12"	(10) #4 EACH WAY	---
F3	5'-0"	5'-0"	12"	(11) #4 LONG WAYS (9) #4 SHORT WAYS	---
F4	6'-0"	6'-0"	18"	(6) #5 EACH WAY TOP & BOTTOM	---
F5	3'-0"ø CAISSON FOOTING SEE DETAIL 118				---

WALL REINFORCING (W) SCHEDULE

MARK	THICKNESS	REINFORCING	REMARKS
W1	8" MASONRY	#5 AT 48" O.C. CENTERED	SPLIT FACE, SOLID GROUT
W2	8" MASONRY	#5 AT 48" O.C. CENTERED	SINGLE SCORE WITH RAKED JOINTS - SEE ARCHITECTURAL DRAWINGS, SOLID GROUT
W3	8" MASONRY	SEE DETAIL 115 FOR MORE INFORMATION	SPLIT FACE, SOLID GROUT

BEAM (B) SCHEDULE

MARK	SIZE	CAMBER
B1	W24X68	---
B2	W10X33	---
B3	W16X57	---
B4	3½X10½ GLB	STANDARD
B5	5½X19½ GLB	STANDARD
B6	W8X13 (FLAT)	---
B7	HSS8X3X3/16	---
B8	3½X18 GLB	STANDARD
B9	W24X84	---
B10	W14X90 (FLAT)	---
B11*	8¾X30 GLB	STANDARD

1 *GLULAM BEAMS EXPOSED TO THE ELEMENTS MUST BE PRESSURE TREATED OR OTHERWISE PROTECTED.

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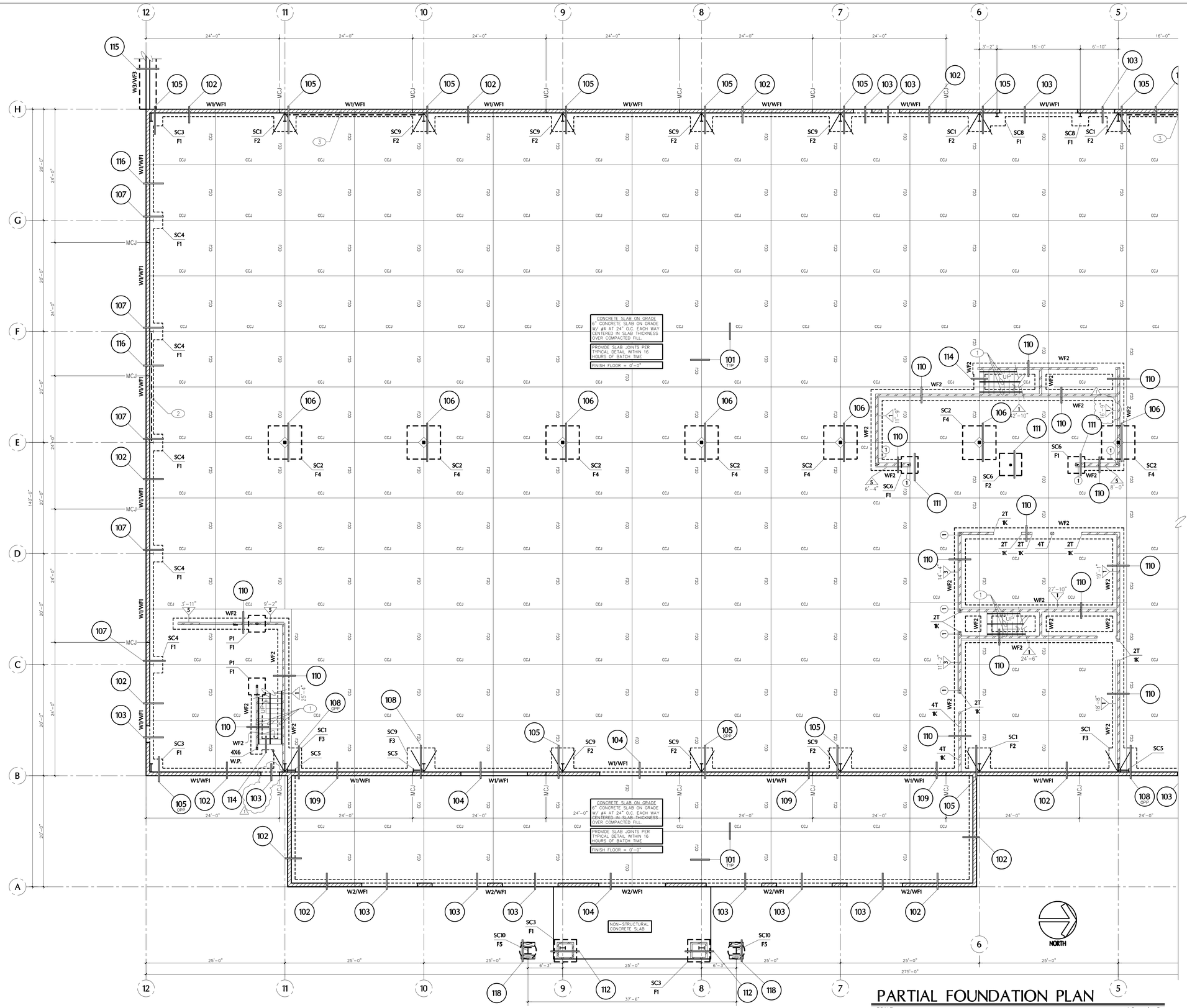
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DRAWING: PLAN SCHEDULES

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

PROJECT: 103-71-001F

DRAWN BY: MJS
CHECKED BY: AGK
DATE: 7/10/20
SCALE: AS NOTED
JOB NO.: 2020-034
SHEET: **S1.3**



WALL SCHEDULE

-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 12" 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.)
	8" MASONRY (CMU) WALL. MINIMUM REINFORCING UNLESS NOTED OTHERWISE: VERTICAL: #4 AT 48" O.C. HORIZONTAL: #4 AT 48" O.C. MAXIMUM.

FOUNDATION PLAN NOTES

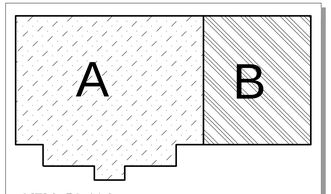
1. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
2. FOR LOCATION OF DETAILS SEE SHEET INDEX ON SHEET S1.
3. FOR PLAN SCHEDULES SEE SHEET S1.2.
4. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
5. THE DEPTH OF FOOTING DIMENSION 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.
6. WF1, WF2, ETC. – AS SHOWN ON PLAN INDICATES A CONTINUOUS WALL FOOTING. SEE WALL FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
7. F1, F2, ETC. – AS SHOWN ON PLAN INDICATES A CONCRETE FOOTING. SEE FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
8. W1, W2, ETC. – AS SHOWN ON PLAN INDICATES WALL REINFORCING. SEE WALL REINFORCING SCHEDULE FOR ADDITIONAL INFORMATION.
9. 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.
10. (1) (2) – AS SHOWN ON PLAN INDICATES A SHEARWALL HOLDOWN. SEE HOLDOWN SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
11. 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.
12. VERIFY EXACT SIZE AND LOCATION OF DEPRESSED AND/OR RAISED SLABS WITH ARCHITECTURAL DRAWINGS.
13. FOR SIDEWALK AND LANDING LOCATIONS, SEE ARCHITECTURAL DRAWINGS.

PLAN KEYNOTES

(1) 2X12 STAIR STRINGER.

(2) VERTICAL ⅞"ø STEEL ROD X-BRACE W/ TURNBUCKLE OR STEEL CABLE X-BRACE RATED FOR 10500 LBS. MINIMUM. SEE TYPICAL DETAIL **T12** FOR MORE INFORMATION.

(3) VERTICAL ⅞"ø STEEL ROD X-BRACE W/ TURNBUCKLE OR STEEL CABLE X-BRACE RATED FOR 7500 LBS MINIMUM. SEE TYPICAL DETAIL **T12** FOR MORE INFORMATION.



KEY PLAN
SCALE: NO SCALE

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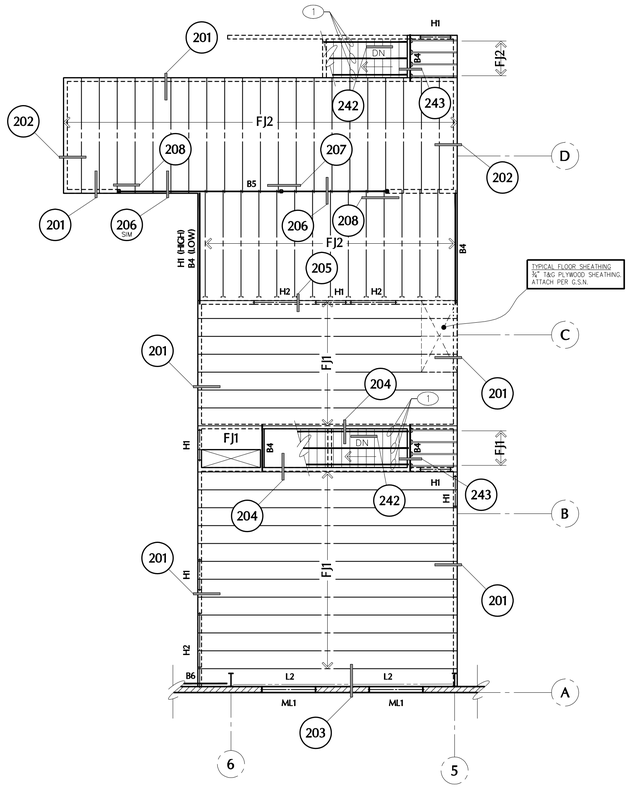
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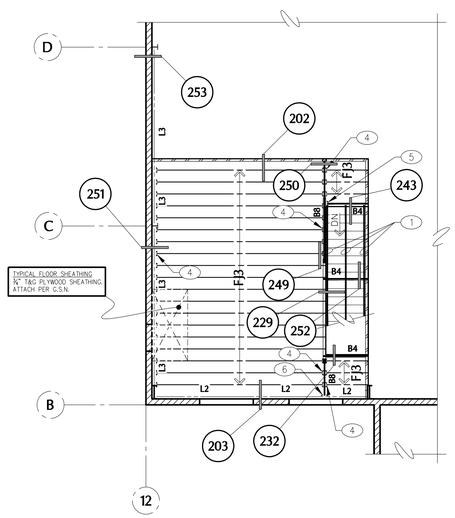
DRAWING: PARTIAL FOUNDATION PLAN
PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314
PROJECT: 103-71-001F

DRAWN BY	MJS
CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S2



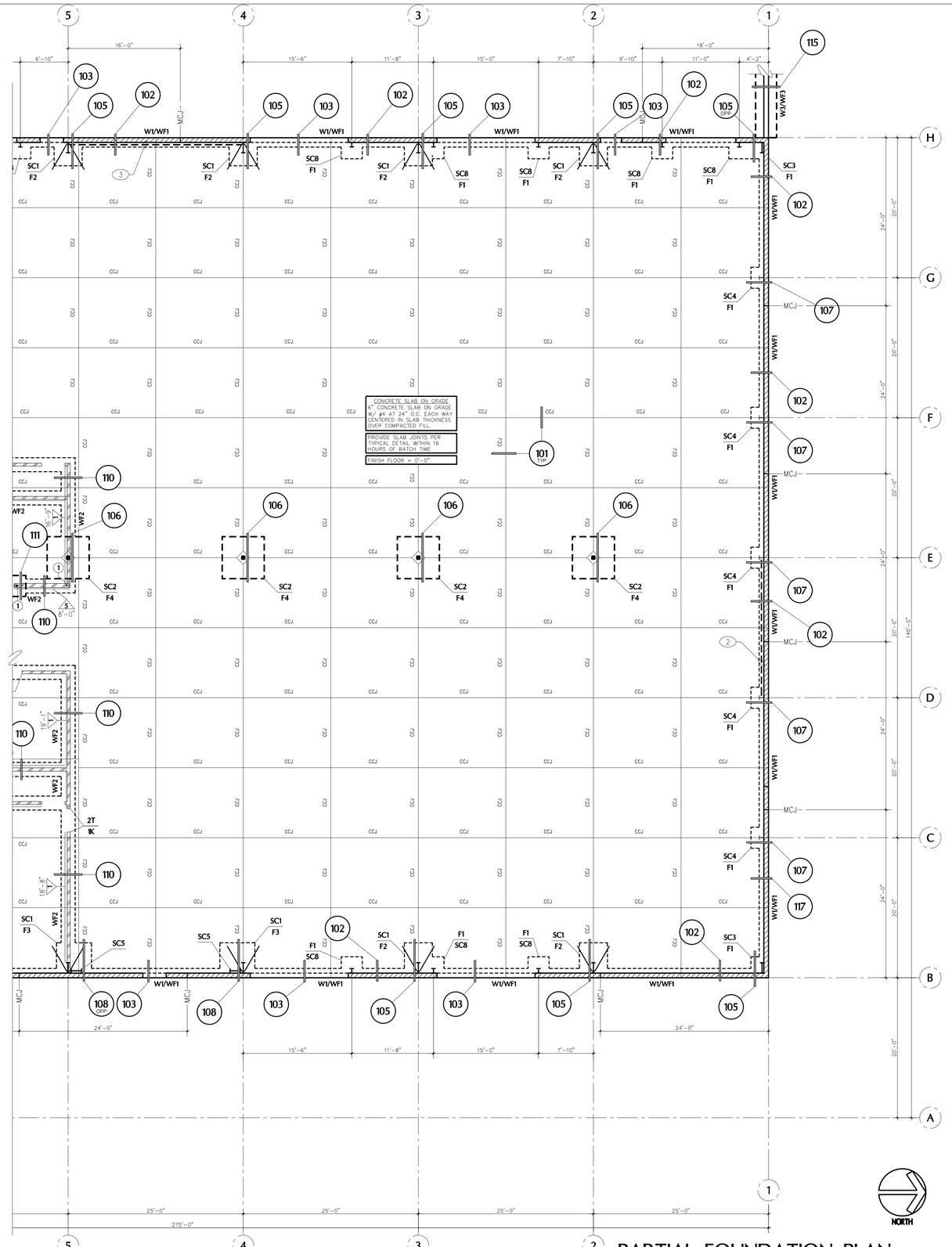
FLOOR FRAMING PLAN

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



FLOOR FRAMING PLAN

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



PARTIAL FOUNDATION PLAN

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

WALL SCHEDULE

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

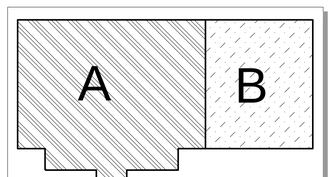
AS SEEN ON PLANS	INDICATES–
	4" WOOD STUD WALL STUDS: 2X4 AT 12" O.C. (1) TRIMMER/(1) KING STUD EACH JAMB U.N.O. BEAM/GIRDER POSTS: DOUBLE STUD (MIN. U.N.O.) SHEARWALL ENDPOSTS: DOUBLE STUD (MIN. U.N.O.)
	6" WOOD STUD WALL STUDS: 2X6 AT 16" O.C. (1) TRIMMER/(1) KING STUD EACH JAMB U.N.O. BEAM/GIRDER POSTS: DOUBLE STUD (MIN. U.N.O.) SHEARWALL ENDPOSTS: DOUBLE STUD (MIN. U.N.O.)
	8" MASONRY (CMU) WALL. MINIMUM REINFORCING UNLESS NOTED OTHERWISE: VERTICAL: #4 AT 48" O.C. HORIZONTAL: #4 AT 48" O.C. MAXIMUM.

FOUNDATION PLAN NOTES

1. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
2. FOR LOCATION OF DETAILS SEE SHEET INDEX ON SHEET S1.
3. FOR PLAN SCHEDULES SEE SHEET S1.2.
4. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
5. 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.
6. WF1, WF2, ETC. – AS SHOWN ON PLAN INDICATES A CONTINUOUS WALL FOOTING. SEE WALL FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
7. F1, F2, ETC. – AS SHOWN ON PLAN INDICATES A CONCRETE FOOTING. SEE FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
8. W1, W2, ETC. – AS SHOWN ON PLAN INDICATES WALL REINFORCING. SEE WALL REINFORCING SCHEDULE FOR ADDITIONAL INFORMATION.
9. 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.
10. (1) (2) – AS SHOWN ON PLAN INDICATES A SHEARWALL HOLDOWN. SEE HOLDOWN SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
11. 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.
12. VERIFY EXACT SIZE AND LOCATION OF DEPRESSED AND/OR RAISED SLABS WITH ARCHITECTURAL DRAWINGS.
13. FOR SIDEWALK AND LANDING LOCATIONS, SEE ARCHITECTURAL DRAWINGS.

PLAN KEYNOTES

1. 2X12 STAIR STRINGER.
2. VERTICAL ⅞"ø STEEL ROD X-BRACE W/ TURNBUCKLE OR STEEL CABLE X-BRACE RATED FOR 10500 LBS. MINIMUM. SEE TYPICAL DETAIL **T12** FOR MORE INFORMATION.
3. VERTICAL ¾"ø STEEL ROD X-BRACE W/ TURNBUCKLE OR STEEL CABLE X-BRACE RATED FOR 7500 LBS MINIMUM. MINIMUM. SEE TYPICAL DETAIL **T12** FOR MORE INFORMATION.
4. SIMPSON MIT TYPE HANGER.
5. SIMPSON HUC410 HANGER TO BEAM OR POST.
6. SIMPSON HUC14 TYPE HANGER W/ TITEN2 SCREWS TO MASONRY.



KEY PLAN

SCALE: NO SCALE

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JOB NO.: 2020-034 | PROJECT MANAGER: AGK | CAD OPERATOR: MJS

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Registered Professional Engineer
27341
RICHARD K. FROST
7.10.20
DATE SIGNED
ARIZONA U.S.A.
EXPIRES 9/30/2020

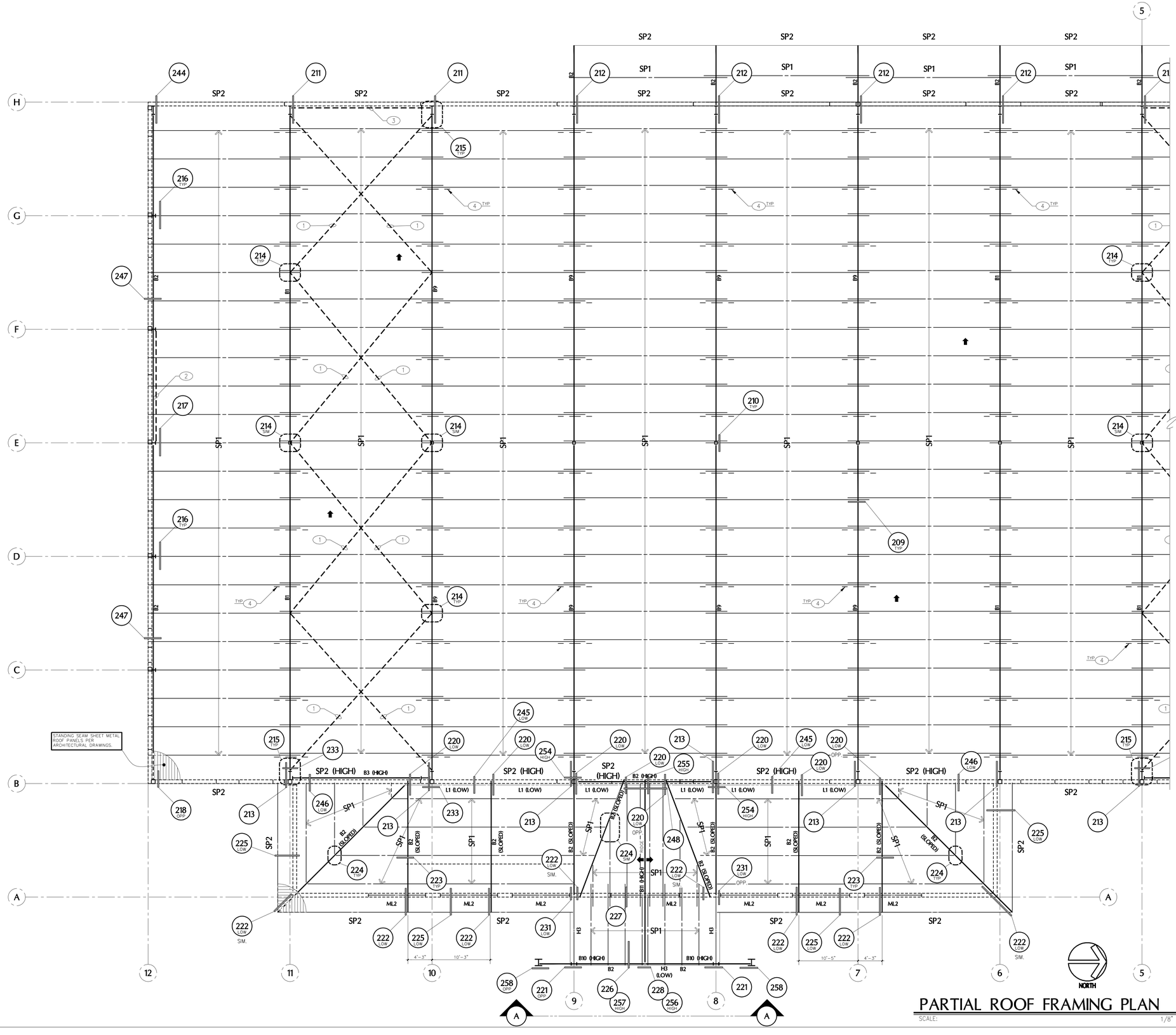
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F 928-443-5815
email: waka@cableone.net
www.kenson-associates.com
ARCHITECTURE & PLANNING

DRAWING: PARTIAL FOUNDATION PLAN/ FLOOR FRAMING PLANS

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

PROJECT: 103-71-001F

DRAWN BY	MJS
CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S2.1



PARTIAL ROOF FRAMING PLAN

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

WALL SCHEDULE

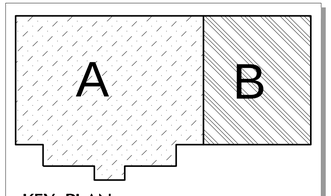
NOTE:	SEE PLAN SCHEDULES, DETAILS AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
AS SEEN ON PLANS	INDICATES–
	STRUCTURAL WALL BELOW (BEARING WALL, SHEARWALL, OR EXTERIOR WALL).
	PARAPET WALL.

ROOF FRAMING PLAN NOTES

1. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
2. FOR LOCATION OF DETAILS SEE SHEET INDEX ON SHEET S1.
3. FOR PLAN SCHEDULES SEE SHEET S1.2.
4. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
5. B1, B2, ETC. – AS SHOWN ON PLAN INDICATES A BEAM. SEE BEAM SCHEDULE FOR ADDITIONAL INFORMATION.
6. ML1, ML2, ETC. – AS SHOWN ON PLAN INDICATES A MASONRY LINTEL. SEE MASONRY LINTEL SCHEDULE FOR ADDITIONAL INFORMATION.
7. FOR MISCELLANEOUS LINTELS NOT SHOWN, SEE G.S.N. MASONRY CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SIZES AND LOCATIONS.
8. L1, L2, ETC. – AS SHOWN ON PLAN INDICATES A LEDGER. SEE LEDGER SCHEDULE FOR ADDITIONAL INFORMATION.
9. MCJ – AS SHOWN ON PLAN INDICATES A MASONRY CONTROL JOINT IN A MASONRY WALL. SEE G.S.N. AND TYPICAL DETAIL. JOINTS MAY BE SHOWN, BUT NOT NOTED ON THIS PLAN. SEE FOUNDATION PLAN FOR NOTED LOCATIONS.
10. FOR CLARITY, DETAILS MAY SHOW ONLY ONE SIDE OF FRAMING CONDITION.
11. 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.
12. ⌜ ⌝ / ⌞ ⌟ – AS SHOWN ON PLAN INDICATES HVAC EQUIPMENT ON ROOF OR IN ATTIC SPACE. SEE TYPICAL DETAILS FOR FRAMING INFORMATION.
13. VERIFY EXACT SIZE AND WEIGHT OF EQUIPMENT ON ROOF WITH MECHANICAL CONTRACTOR.

PLAN KEYNOTES

1. HORIZONTAL ⅝"ø STEEL ROD X–BRACE W/ TURNBUCKLE OR STEEL CABLE X–BRACE RATED FOR 5000 LBS MINIMUM.
2. VERTICAL ⅞"ø STEEL ROD X–BRACE W/ TURNBUCKLE OR STEEL CABLE X–BRACE RATED FOR 10500 LBS. MINIMUM. SEE TYPICAL DETAIL **T12** FOR MORE INFORMATION.
3. VERTICAL ¾"ø STEEL ROD X–BRACE W/ TURNBUCKLE OR STEEL CABLE X–BRACE RATED FOR 7500 LBS MINIMUM. SEE TYPICAL DETAIL **T12** FOR MORE INFORMATION.
4. L2X2X¼ BRACES AT LOCATIONS SHOWN, SEE DETAIL **209** FOR MORE INFORMATION.



KEY PLAN

SCALE: NO SCALE

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JOB NO.: 2020–034 | PROJECT MANAGER: AGK | CAD OPERATOR: MJS

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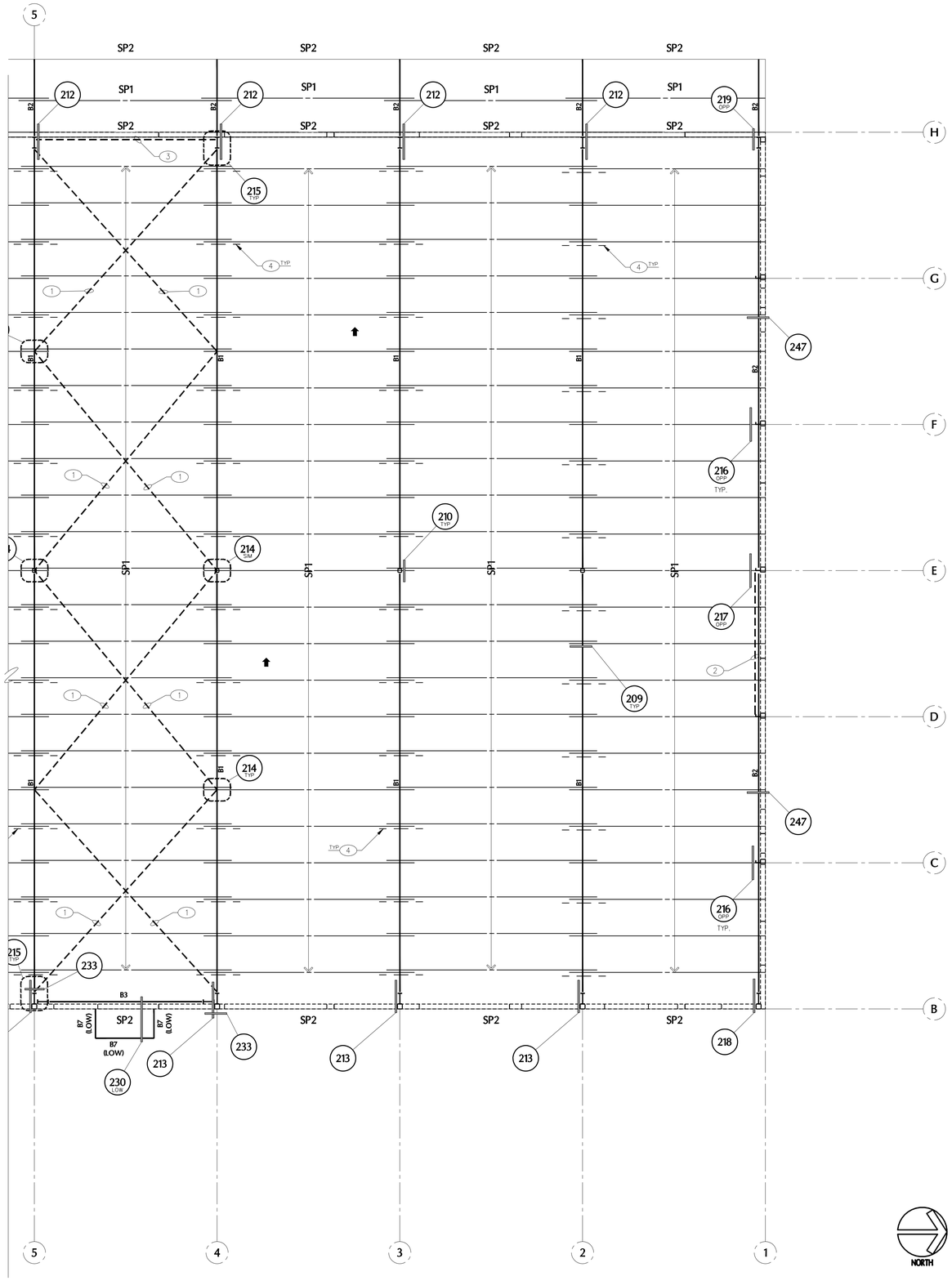
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ARCHITECTURE & PLANNING

DRAWING: ROOF FRAMING PLAN

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

PROJECT: 103-71-001F

DRAWN BY	MJS
CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S3



PARTIAL ROOF FRAMING PLAN

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

WALL SCHEDULE

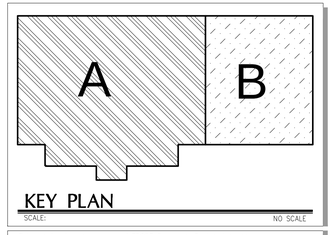
NOTE:	SEE PLAN SCHEDULES, DETAILS AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
AS SEEN ON PLANS	INDICATES–
	STRUCTURAL WALL BELOW (BEARING WALL, SHEARWALL, OR EXTERIOR WALL).
	PARAPET WALL.

ROOF FRAMING PLAN NOTES

1. VERIFY ALL DIMENSIONS WITH ALL ARCHITECTURAL DRAWINGS.
2. FOR LOCATION OF DETAILS SEE SHEET INDEX ON SHEET S1.
3. FOR PLAN SCHEDULES SEE SHEET S1.2.
4. ALL SCHEDULED MARK DESIGNATIONS MAY NOT NECESSARILY BE FOUND ON THIS PLAN. SCHEDULES ARE TYPICAL TO THIS PROJECT.
5. B1, B2, ETC. – AS SHOWN ON PLAN INDICATES A BEAM. SEE BEAM SCHEDULE FOR ADDITIONAL INFORMATION.
6. ML1, ML2, ETC. – AS SHOWN ON PLAN INDICATES A MASONRY LINTEL. SEE MASONRY LINTEL SCHEDULE FOR ADDITIONAL INFORMATION.
7. FOR MISCELLANEOUS LINTELS NOT SHOWN, SEE G.S.N. MASONRY CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SIZES AND LOCATIONS.
8. L1, L2, ETC. – AS SHOWN ON PLAN INDICATES A LEDGER. SEE LEDGER SCHEDULE FOR ADDITIONAL INFORMATION.
9. MCJ – AS SHOWN ON PLAN INDICATES A MASONRY CONTROL JOINT IN A MASONRY WALL. SEE G.S.N. AND TYPICAL DETAIL. JOINTS MAY BE SHOWN, BUT NOT NOTED ON THIS PLAN. SEE FOUNDATION PLAN FOR NOTED LOCATIONS.
10. FOR CLARITY, DETAILS MAY SHOW ONLY ONE SIDE OF FRAMING CONDITION.
11. 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.
12. ⌜ ⌝ ⌞ ⌟ – AS SHOWN ON PLAN INDICATES HVAC EQUIPMENT ON ROOF OR IN ATTIC SPACE. SEE TYPICAL DETAILS FOR FRAMING INFORMATION.
13. VERIFY EXACT SIZE AND WEIGHT OF EQUIPMENT ON ROOF WITH MECHANICAL CONTRACTOR.

PLAN KEYNOTES

1. HORIZONTAL ⅜"ø STEEL ROD X-BRACE W/ TURNBUCKLE OR STEEL CABLE X-BRACE RATED FOR 5000 LBS MINIMUM.
2. VERTICAL ⅜"ø STEEL ROD X-BRACE W/ TURNBUCKLE OR STEEL CABLE X-BRACE RATED FOR 10500 LBS. MINIMUM. SEE TYPICAL DETAIL **T12** FOR MORE INFORMATION.
3. VERTICAL ½"ø STEEL ROD X-BRACE W/ TURNBUCKLE OR STEEL CABLE X-BRACE RATED FOR 7500 LBS MINIMUM. SEE TYPICAL DETAIL **T12** FOR MORE INFORMATION.
4. L2X2X¼ BRACES AT LOCATIONS SHOWN, SEE DETAIL **209** FOR MORE INFORMATION.



KEY PLAN

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JOB NO.: 2020-034 | PROJECT MANAGER: AGK | CAD OPERATOR: MJS

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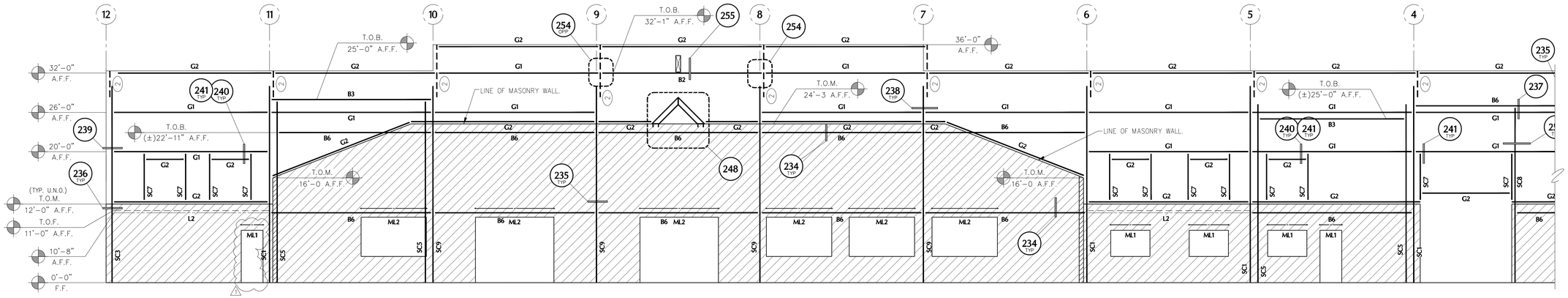
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ARCHITECTURE & PLANNING

DRAWING: PARTIAL ROOF FRAMING PLAN

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

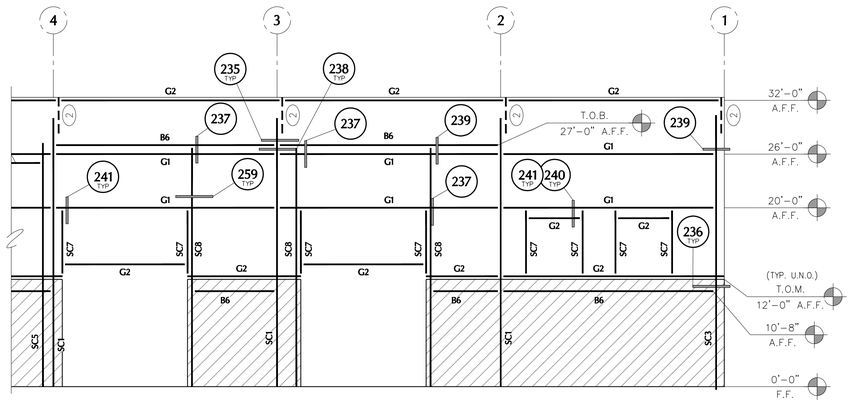
PROJECT: 103-71-001F

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JOB NO.	2020-034
SHEET	S3.1



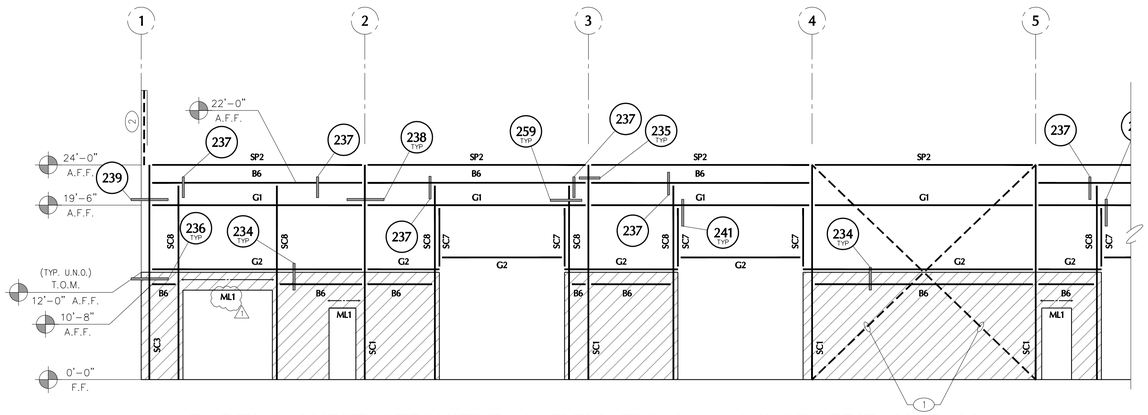
PARTIAL EAST STRUCTURAL ELEVATION – ALONG GRID LINE 'B'

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



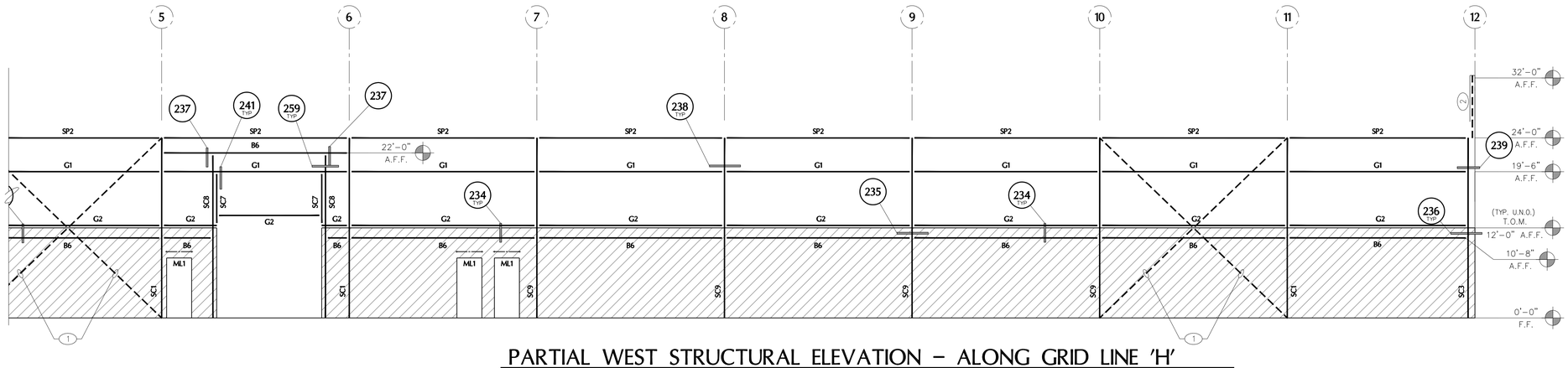
PARTIAL EAST STRUCTURAL ELEVATION – ALONG GRID LINE 'B'

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



PARTIAL WEST STRUCTURAL ELEVATION – ALONG GRID LINE 'H'

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



PARTIAL WEST STRUCTURAL ELEVATION – ALONG GRID LINE 'H'

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

PLAN KEYNOTES

1. ¾"ø STEEL ROD X-BRACE W/ TURNBUCKLE OR STEEL CABLE X-BRACE RATED FOR 7.5 KIPS MINIMUM. SEE TYPICAL DETAIL 11/2 FOR MORE INFORMATION.
2. HSS8X8X⅜ COLUMN EXTENSION – TYPICAL.

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Registered Professional Engineer Certificate No. 27341 RICHARD K. FROST 7.10.20 Date Signed ARIZONA U.S.A.

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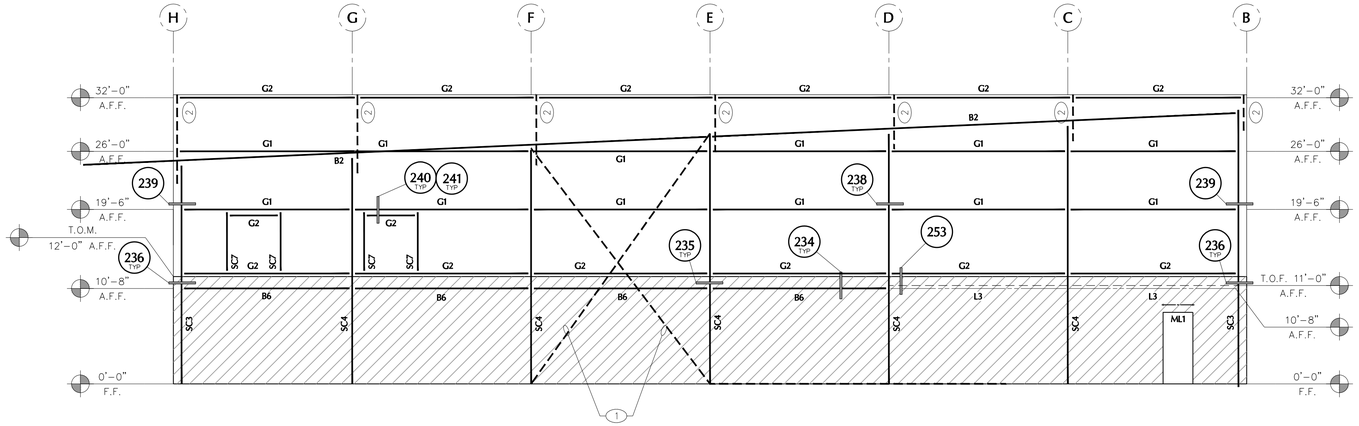
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ARCHITECTURE & PLANNING

DRAWING: EAST AND WEST STRUCTURAL ELEVATIONS

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

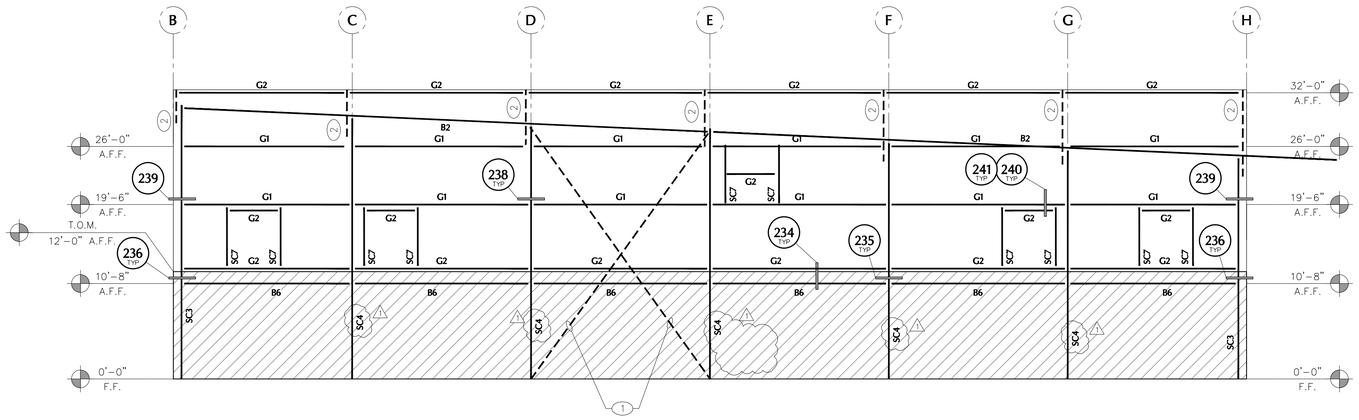
PROJECT: 103-71-001F

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CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S4



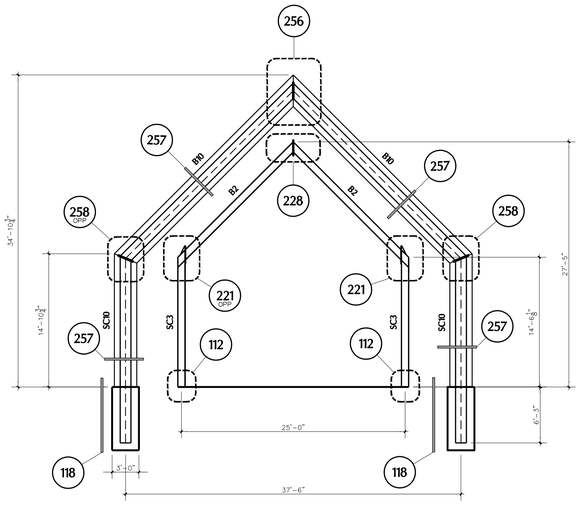
SOUTH STRUCTURAL ELEVATION – ALONG GRID LINE 12

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



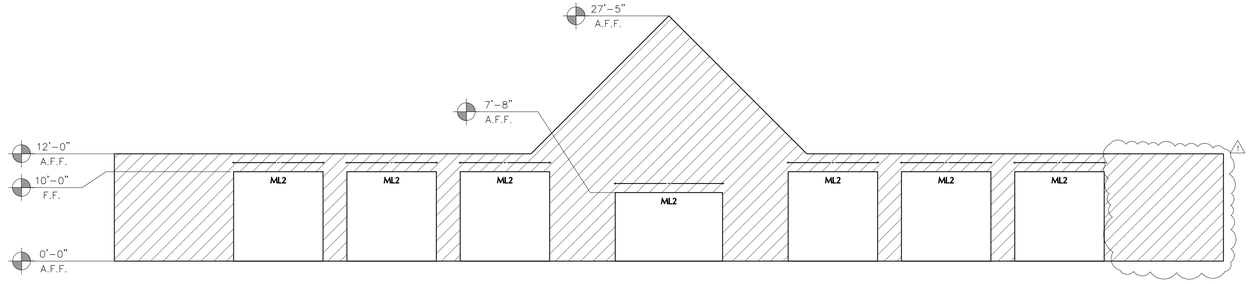
NORTH STRUCTURAL ELEVATION – ALONG GRID LINE 1

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



A–A STRUCTURAL ELEVATION – ENTRANCE FRAME

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



EAST STRUCTURAL ELEVATION – ALONG GRID LINE 'A'

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

PLAN KEYNOTES

1. ⅜"ø STEEL ROD X-BRACE W/ TURNBUCKLE OR STEEL CABLE X-BRACE RATED FOR 10.5 KIPS MINIMUM. SEE TYPICAL DETAIL **T12** FOR MORE INFORMATION.
2. HSS8X8X⅜ COLUMN EXTENSION – TYPICAL.

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1 TOWN OF PRESCOTT VALLEY COMMENTS 6.30.2020	AGK

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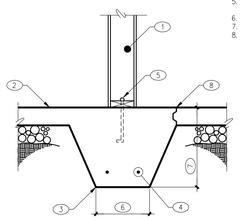
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ARCHITECTURE & PLANNING

DRAWING: NORTH AND SOUTH STRUCTURAL ELEVATIONS

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

PROJECT: 103-71-001F

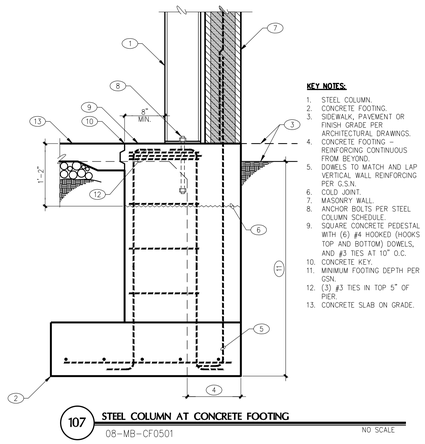
DRAWN BY	MJS
CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S4.1



KEY NOTES:

1. WOOD STUD WALL.
2. CONCRETE SLAB.
3. THICKENED SLAB.
4. (2) #4 CONTINUOUS.
5. ⅝"ø X 10" LONG A.B. AT 48" O.C.
6. FOOTING WIDTH PER PLAN.
7. FOOTING DEPTH PER PLAN.
8. KEYED CONCRETE CONTROL JOINT AS OCCURS PER PLAN. SEE DETAIL 101 FOR ADDITIONAL INFORMATION.

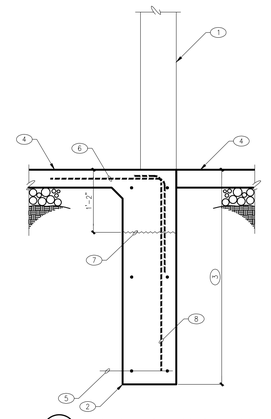
110 WOOD STUD WALL AT THICKENED SLAB
03-WSW-CF0103-1 NO SCALE



KEY NOTES:

1. STEEL COLUMN.
2. CONCRETE FOOTING.
3. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
4. CONCRETE FOOTING – REINFORCING CONTINUOUS FROM BEYOND.
5. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N.
6. COLD JOINT.
7. MASONRY WALL.
8. ANCHOR BOLTS PER STEEL COLUMN SCHEDULE.
9. SQUARE CONCRETE PEDESTAL WITH (6) #4 HOOKED (HOOKS TOP AND BOTTOM) DOWELS, AND #3 TIES AT 10" O.C.
10. CONCRETE KEY.
11. MINIMUM FOOTING DEPTH PER GSN.
12. (3) #3 TIES IN TOP 5" OF PIER.
13. CONCRETE SLAB ON GRADE.

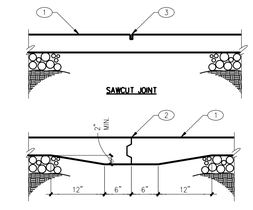
107 STEEL COLUMN AT CONCRETE FOOTING
08-MB-CF0501 NO SCALE



KEY NOTES:

1. MASONRY WALL BEYOND.
2. CONCRETE TURNDOWN FOOTING.
3. MINIMUM FOOTING DEPTH PER GSN.
4. CONCRETE SLAB ON GRADE.
5. FOOTING REINFORCING PER SCHEDULE.
6. #4 HOOK 24" H, 24"V AT 48" O.C.
7. COLD JOINT.
8. #5 VERTICAL W/ STANDARD HOOK AT TOP AT 48" O.C.

104 DOOR OPENING AT CONCRETE FOOTING
03-MW-CF1004 NO SCALE

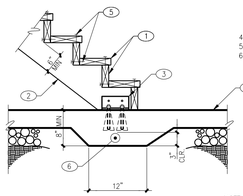


KEY NOTES:

1. CONCRETE SLAB ON GRADE.
2. CONTINUOUS KEYED JOINT.
3. SAWCUT: ¾" WIDE X ¼" 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.

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
03-CS0101 NO SCALE

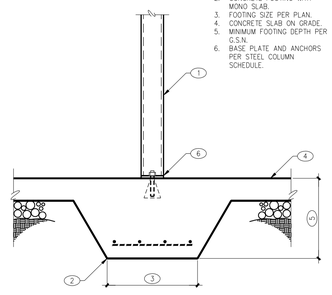


KEY NOTES:

1. 2X TREADS AND RISERS.
2. 2X12 WOOD STRINGER.
3. L3X3X¼ X 0'-8" STEEL ANGLE W/ (2) ⅝"ø EXPANSION BOLTS INTO CONCRETE AND (2) #2"x1½" SIMPSON SDS SCREWS INTO STRINGER.
4. CONCRETE SLAB ON GRADE.
5. 16d AT 12" O.C.
6. (1) #4 CONTINUOUS.

NOTE:
SEE ARCHITECTURAL FOR TREAD, RISER AND NOSING DIMENSIONS.

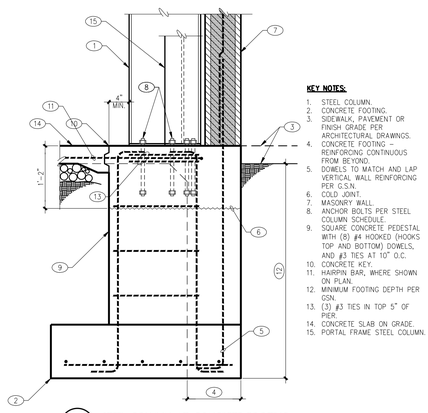
114 WOOD STAIR CARRIAGE CONNECTION AT SLAB ON GRADE
STR0203 NO SCALE



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.
6. BASE PLATE AND ANCHORS PER STEEL COLUMN SCHEDULE.

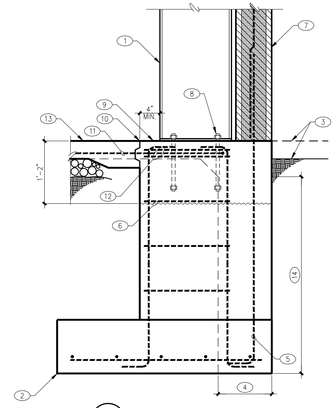
111 STEEL COLUMN AT CONCRETE FOOTING
03-SC-CF0402 NO SCALE



KEY NOTES:

1. STEEL COLUMN.
2. CONCRETE FOOTING.
3. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
4. CONCRETE FOOTING – REINFORCING CONTINUOUS FROM BEYOND.
5. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N.
6. COLD JOINT.
7. MASONRY WALL.
8. ANCHOR BOLTS PER STEEL COLUMN SCHEDULE.
9. SQUARE CONCRETE PEDESTAL WITH (8) #4 HOOKED (HOOKS TOP AND BOTTOM) DOWELS, AND #3 TIES AT 10" O.C.
10. CONCRETE KEY.
11. HAIRPIN BAR, WHERE SHOWN ON PLAN.
12. MINIMUM FOOTING DEPTH PER GSN.
13. (3) #3 TIES IN TOP 5" OF PIER.
14. CONCRETE SLAB ON GRADE.
15. PORTAL FRAME STEEL COLUMN.

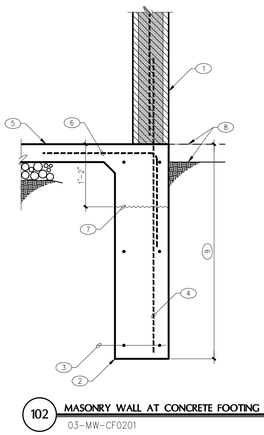
108 STEEL COLUMN AT CONCRETE FOOTING
08-MB-CF0501 NO SCALE



KEY NOTES:

1. STEEL COLUMN.
2. CONCRETE FOOTING.
3. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
4. CONCRETE FOOTING – REINFORCING CONTINUOUS FROM BEYOND.
5. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N.
6. COLD JOINT.
7. MASONRY WALL.
8. ANCHOR BOLTS PER STEEL COLUMN SCHEDULE.
9. SQUARE CONCRETE PEDESTAL WITH (6) #4 HOOKED (HOOKS TOP AND BOTTOM) DOWELS, AND #3 TIES AT 10" O.C.
10. CONCRETE KEY.
11. HAIRPIN BAR, WHERE SHOWN ON PLAN.
12. (3) #3 TIES IN TOP 5" OF PIER.
13. CONCRETE SLAB ON GRADE.
14. MINIMUM FOOTING DEPTH PER GSN.

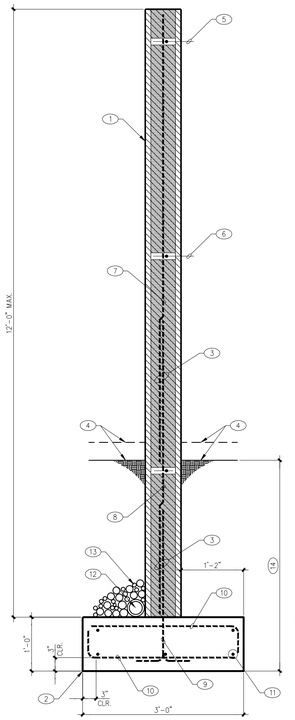
105 STEEL COLUMN AT CONCRETE FOOTING
08-MB-CF0501 NO SCALE



KEY NOTES:

1. MASONRY WALL.
2. CONCRETE TURNDOWN FOOTING.
3. FOOTING REINFORCING PER SCHEDULE.
4. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N.
5. CONCRETE SLAB ON GRADE.
6. #4 HOOK 24" H, 24" V AT 48" O.C.
7. COLD JOINT.
8. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
9. MINIMUM FOOTING DEPTH PER GSN.

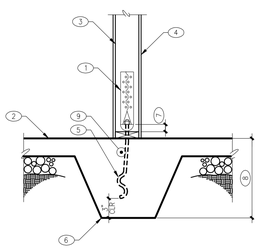
102 MASONRY WALL AT CONCRETE FOOTING
03-MW-CF0201 NO SCALE



KEY NOTES:

1. 8" MASONRY WALL (SOLID GROUT).
2. CONCRETE FOOTING.
3. MINIMUM LAP PER GSN.
4. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
5. (1) #4 CONTINUOUS AT TOP OF WALL IN UPSIDE DOWN BOND BEAM BLOCK.
6. (1) #4 CONTINUOUS AT 48" O.C. MAXIMUM.
7. #5 VERTICAL AT 48" O.C. (STARTS AT 4'-0" ABOVE TOP OF FOOTING TO TOP OF WALL)
8. #5 VERTICALS AT 24" O.C. (STARTS AT TOP OF FOOTING TO 6'-6" ABOVE TOP OF FOOTING.
9. #5 VERTICAL DOWEL AT 24" O.C. – ALTERNATE BENDS.
10. #4 BARS AT 16" O.C.
11. (5) #4 CONTINUOUS BARS.
12. FRENCH DRAIN WRAPPED IN FABRIC SLEEVE AND EXTENDED TO DAYLIGHT.
13. GRANULAR FILL.
14. MINIMUM FOOTING DEPTH PER GSN.

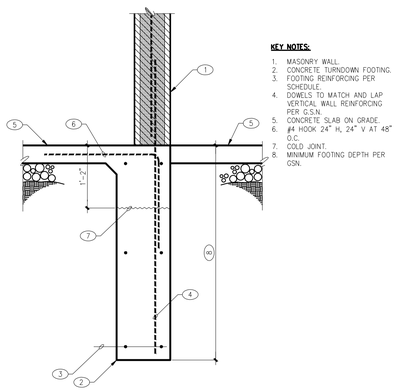
115 MASONRY RETAINING/FENCE WALL
NO SCALE



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. SIMPSON SSTB TYPE ANCHOR BOLT.
6. CONCRETE THICKENED SLAB FOUNDATION.
7. 1" MINIMUM // 12" MAXIMUM.
8. MINIMUM EMBEDMENT AS REQUIRED BY MANUFACTURER.
9. CONTINUOUS REBAR PER FOUNDATION DETAILS.

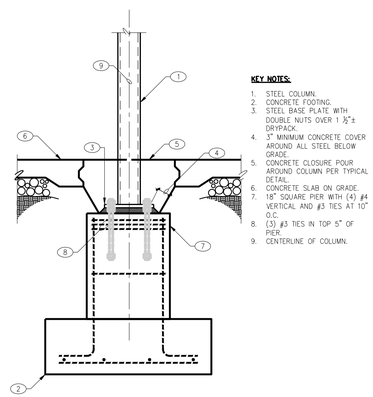
113 "HDU" TYPE HOLDOWN AT CONCRETE FOUNDATION
04-HDD401 NO SCALE



KEY NOTES:

1. MASONRY WALL.
2. CONCRETE TURNDOWN FOOTING.
3. FOOTING REINFORCING PER SCHEDULE.
4. DOWELS TO MATCH AND LAP VERTICAL WALL REINFORCING PER G.S.N.
5. CONCRETE SLAB ON GRADE.
6. #4 HOOK 24" H, 24" V AT 48" O.C.
7. COLD JOINT.
8. MINIMUM FOOTING DEPTH PER GSN.

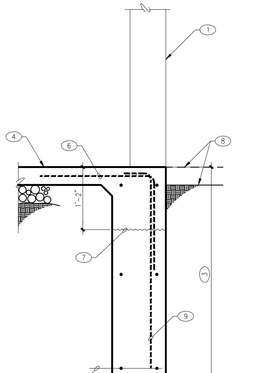
109 MASONRY WALL AT CONCRETE FOOTING
03-MW-CF0201 NO SCALE



KEY NOTES:

1. STEEL COLUMN.
2. CONCRETE FOOTING.
3. STEEL BASE PLATE WITH DOUBLE NUTS OVER 1 ½"± DRYPACK.
4. 3" MINIMUM CONCRETE COVER AROUND ALL STEEL BELOW GRADE.
5. CONCRETE CLOSURE POUR AROUND COLUMN PER TYPICAL DETAIL.
6. CONCRETE SLAB ON GRADE.
7. 18" SQUARE PIER WITH (4) #4 VERTICAL AND #3 TIES AT 10" O.C.
8. (3) #3 TIES IN TOP 5" OF PIER.
9. CENTERLINE OF COLUMN.

106 STEEL COLUMN AT CONCRETE FOOTING
03-SC-CF0102 NO SCALE



KEY NOTES:

1. MASONRY WALL BEYOND.
2. CONCRETE TURNDOWN FOOTING.
3. FOOTING REINFORCING PER SCHEDULE.
4. CONCRETE SLAB ON GRADE, TOOLED EDGE AT OPENING.
5. FOOTING REINFORCING PER SCHEDULE.
6. #4 HOOK 24" H, 24"V AT 48" O.C.
7. COLD JOINT.
8. SIDEWALK, PAVEMENT OR FINISH GRADE PER ARCHITECTURAL DRAWINGS.
9. #5 VERTICAL W/ STANDARD HOOK AT TOP AT 48" O.C.

103 DOOR OPENING AT CONCRETE FOOTING
03-MW-CF1003 NO SCALE

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JOB NO.: 2020-034	PROJECT MANAGER: AGK	CAD OPERATOR: MJS

FROST STRUCTURAL ENGINEERING
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Prescott, Arizona 86305 info@frost-structural.com
www.frost-structural.com

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Registered Professional Engineer
CERTIFICATE NO.
27341
RICHARD K. FROST
DATE SIGNED 7.10.20
ARIZONA U.S.A.
EXPIRES 9/30/2020

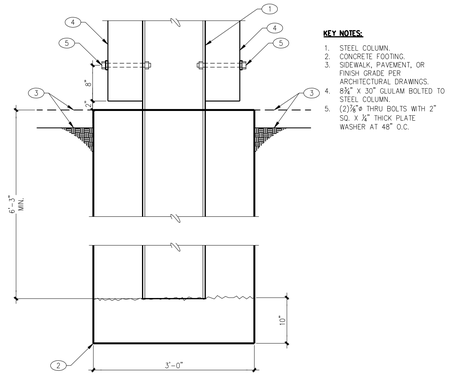
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ARCHITECTURE & PLANNING

DRAWING: FOUNDATION DETAILS 100-SERIES

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

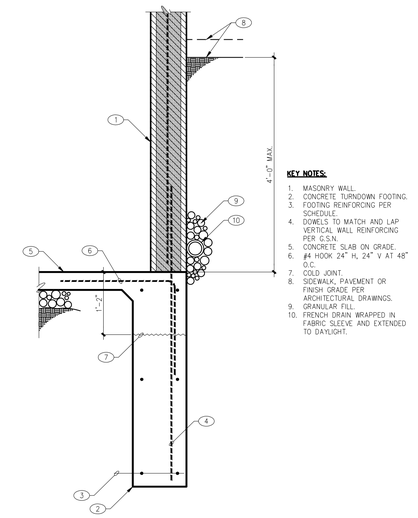
PROJECT: 103-71-001F

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DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S5



118 STEEL COLUMN AT CONCRETE FOOTING

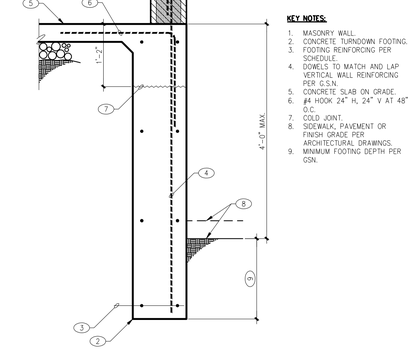
NO SCALE



116 MASONRY WALL AT CONCRETE FOOTING

03-MW-CF0201

NO SCALE



117 MASONRY WALL AT CONCRETE FOOTING

03-MW-CF0201

NO SCALE

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JOB NO.: 2020-034	PROJECT MANAGER: AGK	CAD OPERATOR: MJS

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Registered Professional Engineer (Structural) CERTIFICATE NO. 27341 RICHARD K. FROST DATE SIGNED 7.10.20 ARIZONA U.S.A.

EXPIRES 9/30/2020

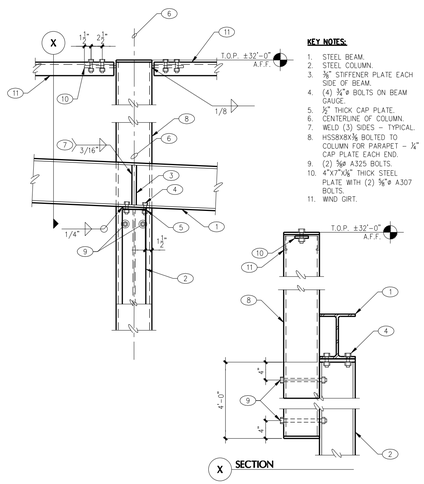
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ARCHITECTURE & PLANNING

DRAWING: MORE FOUNDATION DETAILS 100-SERIES

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 86314

PROJECT: 103-71-001F

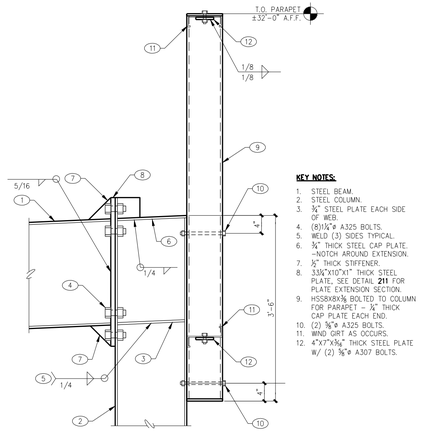
DRAWN BY	MJS
CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S5.1



KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. ⅜" STIFFENER PLATE EACH SIDE OF BEAM.
4. (4) ¾"ø BOLTS ON BEAM GAUGE.
5. ½" THICK CAP PLATE.
6. CENTERLINE OF COLUMN.
7. WELD (3) SIDES – TYPICAL.
8. HSS8X8X⅜ BOLTED TO COLUMN FOR PARAPET – ¾" CAP PLATE EACH END.
9. (2) ⅞ø A325 BOLTS.
10. 4"X7"X⅝" THICK STEEL PLATE WITH (2) ⅞"ø A307 BOLTS.
11. WIND GIRT.

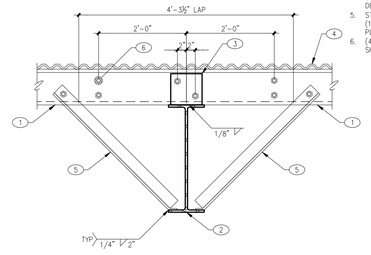
216 STEEL BEAM AT STEEL COLUMN
NO SCALE



KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. ⅜" STEEL PLATE EACH SIDE OF WEB.
4. (8)¾"ø A325 BOLTS.
5. WELD (3) SIDES TYPICAL.
6. ¾" THICK STEEL CAP PLATE. –NOTCH AROUND EXTENSION.
7. ½" THICK STIFFENER.
8. 3.35"X10"X1" THICK STEEL PLATE, SEE DETAIL **211** FOR PLATE EXTENSION SECTION.
9. HSS8X8X⅜ BOLTED TO COLUMN FOR PARAPET – ¾" THICK CAP PLATE EACH END.
10. (2) ⅞"ø A325 BOLTS.
11. WIND GIRT AS OCCURS.
12. 4"X7"X⅜" THICK STEEL PLATE W/ (2) ⅞"ø A307 BOLTS.

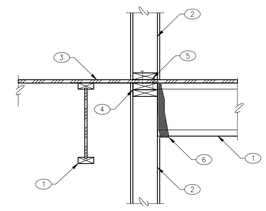
213 MOMENT CONNECTION – STEEL BEAM AT STEEL COLUMN
05-SB-SC0302-4 NO SCALE



KEY NOTES:

1. STEEL PURLIN.
2. STEEL BEAM.
3. 7" SQ. X ⅜" THICK PLATE WITH (2) ⅞"ø A307 BOLTS.
4. STANDING SEAM METAL DECK.
5. STEEL BRACE L2X2X¼ WITH (1) ⅞"ø A307 BOLT. – SEE PLAN FOR LOCATIONS.
6. (4) ⅞"ø A307 BOLTS AS SHOWN.

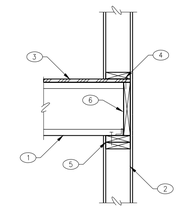
209 STEEL PURLIN AT STEEL BEAM
NO SCALE



KEY NOTES:

1. WOOD I–JOIST.
2. WOOD STUD WALL.
3. PLYWOOD SHEATHING.
4. EDGE NAILING.
5. DOUBLE TOP PLATE.
6. SIMPSON ITS TYPE HANGER.

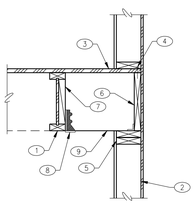
205 WOOD I–JOIST AT WOOD STUD WALL
NO SCALE



KEY NOTES:

1. WOOD I–JOIST.
2. WOOD STUD WALL.
3. PLYWOOD SHEATHING.
4. EDGE NAILING.
5. DOUBLE TOP PLATE.
6. CONTINUOUS RIM JOIST PER I–JOIST MFR WITH SIMPSON A35 AT 48" O.C.

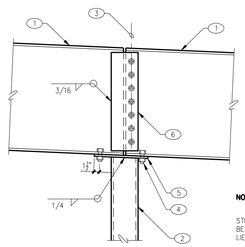
201 WOOD I–JOIST AT WOOD STUD WALL
06–WU–WSW0501–F NO SCALE



KEY NOTES:

1. WOOD I–JOIST.
2. WOOD STUD WALL.
3. PLYWOOD SHEATHING.
4. EDGE NAILING.
5. DOUBLE TOP PLATE.
6. CONTINUOUS RIM JOIST PER I–JOIST MFR W/ SIMPSON A35 AT 48" O.C.
7. WEB STIFFENER.
8. SIMPSON LU26 TYPE HANGER.
9. SOLID BLOCKING AT 48" O.C.

202 WOOD I–JOIST AT WOOD STUD WALL
06–WU–WSW1301–F NO SCALE



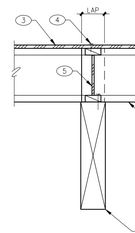
KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. FOR TYPE, SIZE, AND NUMBER OF BOLTS, SEE DETAIL **19** "BOLT SCHEDULE FOR STEEL CONNECTIONS".
4. (4) ¾"ø BOLTS ON BEAM GAGE.
5. ½" CAP PLATE, PLATE WIDTH EQUALS BEAM WIDTH.
6. ⅜"X7" STEEL PLATE.

NOTE:

STUDS WELDED TO BOTTOM OF BEAM FLANGE MAY BE USED IN LIEU OF BOLTS.

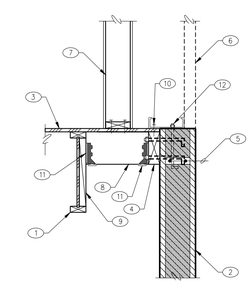
210 STEEL BEAMS TO STEEL COLUMN CONNECTION
05–SB–SC0104 NO SCALE



KEY NOTES:

1. WOOD I–JOIST.
2. WOOD BEAM.
3. PLYWOOD SHEATHING.
4. EDGE NAILING.
5. SOLID I–JOIST TYPE BLOCKING WITH (2) 16d PER BLOCK.

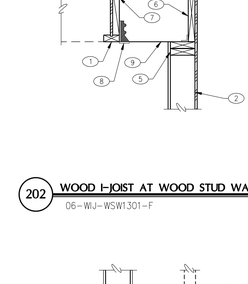
206 WOOD I–JOIST AT WOOD BEAM
06–WU–WB0302–F NO SCALE



KEY NOTES:

1. WOOD BEAM.
2. STEEL COLUMN.
3. SIMPSON CCO TYPE COLUMN CAP.

207 WOOD BEAM AT STEEL COLUMN
06–WB–SC0103 NO SCALE



KEY NOTES:

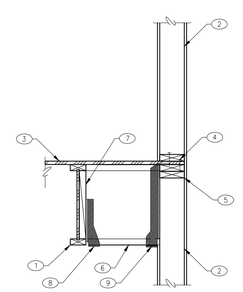
1. WOOD BEAM.
2. STEEL COLUMN.
3. SIMPSON ECCO TYPE COLUMN CAP.

208 WOOD BEAM AT STEEL COLUMN
06–WB–SC0101 NO SCALE

KEY NOTES:

1. WOOD I–JOIST.
2. MASONRY WALL.
3. PLYWOOD SHEATHING.
4. CONTINUOUS WOOD LEDGER.
5. CONTINUOUS BOND BEAM PER GSN.
6. INSULATED WALL PANEL, ATTACH PER MANUFACTURER.
7. NON–BEARING WOOD STUD WALL AS OCCURS.
8. 2X8 BLOCKING AT 48" O.C.
9. WEB STIFFENER.
10. EDGE NAILING.
11. SIMPSON LUS26 TYPE HANGER.
12. CONTINUOUS 14GA "C" GIRT W/ ½"ø A.B. AT 48" O.C.

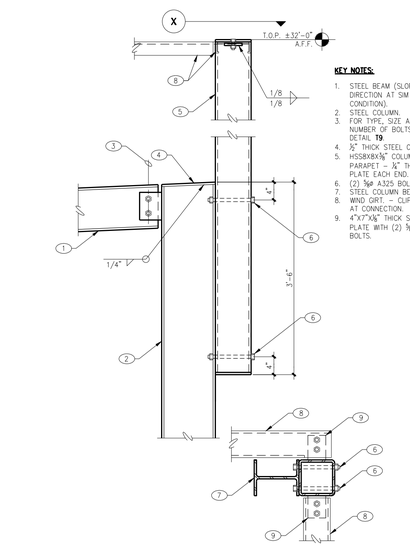
203 WOOD I–JOIST AT MASONRY WALL
NO SCALE



KEY NOTES:

1. WOOD I–JOIST.
2. WOOD STUD WALL.
3. PLYWOOD SHEATHING.
4. EDGE NAILING.
5. DOUBLE TOP PLATE.
6. I–JOIST BLOCKING AT 48" O.C.
7. WEB STIFFENER.
8. SIMPSON MIU 3.56/18 TYP HANGER.
9. SIMPSON MIT 418 TYPE HANGER.

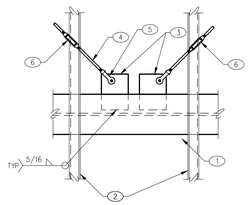
204 WOOD I–JOIST AT WOOD STUD WALL
NO SCALE



KEY NOTES:

1. STEEL BEAM (SLOPES OTHER DIRECTION AT SIM CONDITION).
2. STEEL COLUMN.
3. FOR TYPE, SIZE AND NUMBER OF BOLTS SEE DETAIL **T9**.
4. ½" THICK STEEL CAP PLATE.
5. HSS8X8X⅜ COLUMNS FOR PARAPET – ½" THICK CAP PLATE EACH END.
6. (2) ⅞ø A325 BOLTS.
7. STEEL COLUMN BELOW.
8. WIND GIRT. – CLIP FLANGE AT CONNECTION.
9. 4"X7"X⅝" THICK STEEL PLATE WITH (2) ⅞"ø A307 BOLTS.

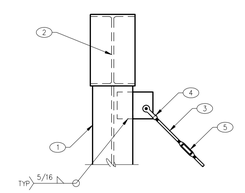
218 STEEL BEAM AT STEEL COLUMN
NO SCALE



NOTE:

ATTACH BRACE TO BOTTOM OF TOP FLANGE OF BEAM.

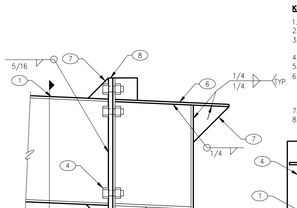
214 PLAN – STEEL ROD BRACE AT STEEL BEAM
NO SCALE



NOTE:

ATTACH BRACE TO BOTTOM OF TOP FLANGE OF BEAM.

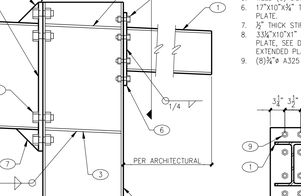
215 PLAN – STEEL ROD BRACE AT STEEL BEAM
NO SCALE



KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. ⅜" STEEL PLATE EACH SIDE OF WEB.
4. (8)¾"ø A325 BOLTS.
5. WELD (3) SIDES TYPICAL.
6. 1"X10"X⅜" THICK STEEL PLATE.
7. ½" THICK STIFFENER.
8. 3.35"X10"X1" THICK STEEL PLATE. SEE DETAIL **211** FOR EXTENDED PLATE SECTION.
9. (8)¾"ø A325 BOLTS.

212 MOMENT CONNECTION – STEEL BEAM AT STEEL COLUMN
05–SB–SC0302–4 NO SCALE



KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. STEEL ROD OR STEEL CABLE BRACE PER PLAN.
4. STEEL JAW END WITH 5,000# MINIMUM WLL.
5. STEEL TURNBUCKLE WITH 5,000# MINIMUM WLL, WHEN STEEL ROD USED.
6. 12"X6"X½" THICK STEEL PLATE.

211 MOMENT CONNECTION – STEEL BEAM AT STEEL COLUMN
05–SB–SC0302–4 NO SCALE

NOTE:

STUDS WELDED TO BOTTOM OF BEAM FLANGE MAY BE USED IN LIEU OF BOLTS.

210 STEEL BEAMS TO STEEL COLUMN CONNECTION
05–SB–SC0104 NO SCALE

KEY NOTES:

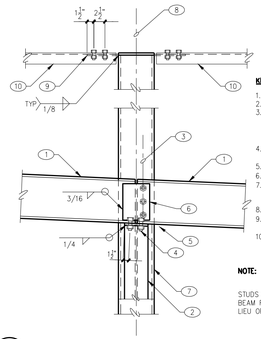
1. STEEL BEAM.
2. STEEL COLUMN.
3. ⅜" STEEL PLATE EACH SIDE OF WEB.
4. (8)¾"ø A325 BOLTS.
5. WELD (3) SIDES TYPICAL.
6. ¾" THICK STEEL CAP PLATE. –NOTCH AROUND EXTENSION.
7. ½" THICK STIFFENER.
8. 3.35"X10"X1" THICK STEEL PLATE, SEE DETAIL **211** FOR PLATE EXTENSION SECTION.
9. HSS8X8X⅜ BOLTED TO COLUMN FOR PARAPET – ¾" THICK CAP PLATE EACH END.
10. (2) ⅞"ø A325 BOLTS.
11. WIND GIRT AS OCCURS.
12. 4"X7"X⅜" THICK STEEL PLATE W/ (2) ⅞"ø A307 BOLTS.

213 MOMENT CONNECTION – STEEL BEAM AT STEEL COLUMN
05–SB–SC0302–4 NO SCALE

KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. ⅜" STIFFENER PLATE EACH SIDE OF BEAM.
4. (4) ¾"ø BOLTS ON BEAM GAUGE.
5. ½" THICK CAP PLATE.
6. CENTERLINE OF COLUMN.
7. WELD (3) SIDES – TYPICAL.
8. HSS8X8X⅜ BOLTED TO COLUMN FOR PARAPET – ¾" CAP PLATE EACH END.
9. (2) ⅞ø A325 BOLTS.
10. 4"X7"X⅝" THICK STEEL PLATE WITH (2) ⅞"ø A307 BOLTS.
11. WIND GIRT.

216 STEEL BEAM AT STEEL COLUMN
NO SCALE



KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. FOR TYPE, SIZE, AND NUMBER OF BOLTS, SEE DETAIL **19** "BOLT SCHEDULE FOR STEEL CONNECTIONS".
4. (4) ¾"ø BOLTS ON BEAM GAGE.
5. ½" CAP PLATE.
6. ⅜"X7" STEEL PLATE.
7. HSS8X8X⅜ BOLTED TO COLUMN FOR PARAPET – SEE DETAIL **216** FOR MORE INFORMATION.
8. CENTERLINE OF COLUMN.
9. 4"X7"X⅝" THICK STEEL PLATE W/ (2) ⅞"ø A325 BOLTS.
10. WIND GIRT.

NOTE:

STUDS WELDED TO BOTTOM OF BEAM FLANGE MAY BE USED IN LIEU OF BOLTS.

217 STEEL BEAMS TO STEEL COLUMN CONNECTION
05–SB–SC0104 NO SCALE

KEY NOTES:

1. STEEL BEAM (SLOPES OTHER DIRECTION AT SIM CONDITION).
2. STEEL COLUMN.
3. FOR TYPE, SIZE AND NUMBER OF BOLTS SEE DETAIL **T9**.
4. ½" THICK STEEL CAP PLATE.
5. HSS8X8X⅜ COLUMNS FOR PARAPET – ½" THICK CAP PLATE EACH END.
6. (2) ⅞ø A325 BOLTS.
7. STEEL COLUMN BELOW.
8. WIND GIRT. – CLIP FLANGE AT CONNECTION.
9. 4"X7"X⅝" THICK STEEL PLATE WITH (2) ⅞"ø A307 BOLTS.

218 STEEL BEAM AT STEEL COLUMN
NO SCALE

NOTE:

ATTACH BRACE TO BOTTOM OF TOP FLANGE OF BEAM.

214 PLAN – STEEL ROD BRACE AT STEEL BEAM
NO SCALE

NOTE:

ATTACH BRACE TO BOTTOM OF TOP FLANGE OF BEAM.

215 PLAN – STEEL ROD BRACE AT STEEL BEAM
NO SCALE

KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. ⅜" STEEL PLATE EACH SIDE OF WEB.
4. (8)¾"ø A325 BOLTS.
5. WELD (3) SIDES TYPICAL.
6. 1"X10"X⅜" THICK STEEL PLATE.
7. ½" THICK STIFFENER.
8. 3.35"X10"X1" THICK STEEL PLATE. SEE DETAIL **211** FOR EXTENDED PLATE SECTION.
9. (8)¾"ø A325 BOLTS.

212 MOMENT CONNECTION – STEEL BEAM AT STEEL COLUMN
05–SB–SC0302–4 NO SCALE

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JOB NO.: 2020–034	PROJECT MANAGER: AGK	CAD OPERATOR: MJS

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REVISIONS	BY
1 TOWN OF PRESCOTT VALLEY COMMENTS 6.30.2020	AGK

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Registered Professional Engineer Certificate No. 27341 RICHARD K. FROST 7.10.20 Date Signed ARIZONA U.S.A.
EXPIRES 9/30/2020

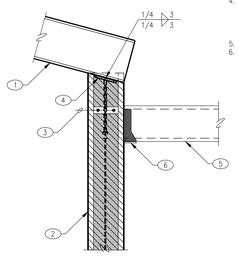
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DRAWING: FRAMING DETAILS 200-SERIES

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

PROJECT: 103-71-001F

DRAWN BY	MJS
CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S6

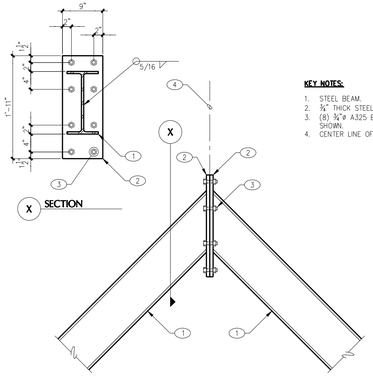


KEY NOTES:

1. STEEL BEAM.
2. MASONRY WALL.
3. CONTINUOUS BOND BEAM PER GSN.
4. ⅜" THICK SLOPED BEARING PLATE W/ (2) ⅞"ø X12" LONG HEADED STUDS, SEE DETAIL **222** FOR MORE INFORMATION.
5. LIGHT GAUGE STEEL HEADER.
6. SIMPSON HUC410 TYPE HANGER W/ (6) #10 TEKS TO HEADER AND (14) ¼"ø X2⅜" TITEN 2 SCREWS TO MASONRY WALL.

231 STEEL BEAM AT MASONRY WALL

NO SCALE



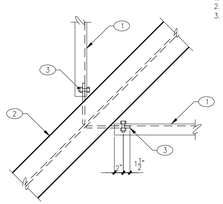
KEY NOTES:

1. STEEL BEAM.
2. ⅜" THICK STEEL PLATE.
3. (8) ¾"ø A325 BOLTS AS SHOWN.
4. CENTER LINE OF RIDGE.

X SECTION

228 STEEL BEAM AT RIDGE – MOMENT CONNCETION

NO SCALE

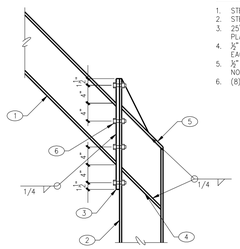


KEY NOTES:

1. STEEL PURLIN.
2. STEEL BEAM.
3. 8"X6"X⅜" THICK STEEL PLATE W/ (2) ⅝"ø A307 THRU BOLTS, SEE DETAIL **223** FOR MORE INFORMATION.

224 PLAN – STEEL PURLIN AT STEEL BEAM

NO SCALE

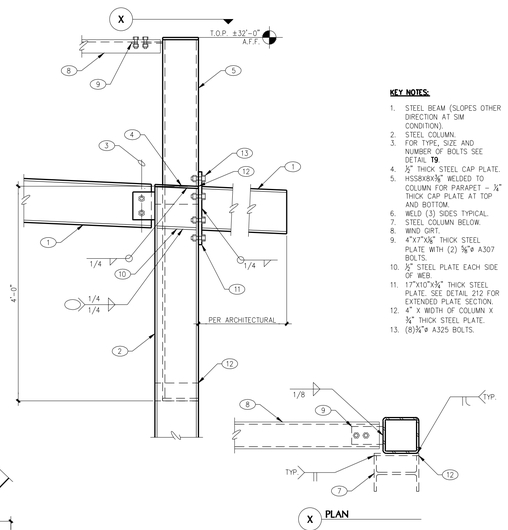


KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. 25"X8"X⅜" THICK STEEL PLATE.
4. ⅜" THICK STIFFENER PLATE EACH SIDE OF COLUMN WEB.
5. ⅜" THICK CAP PLATE – NOTCH AROUND EXTENSION.
6. (8)¾"ø A325 BOLTS.

221 STEEL BEAM AT STEEL COLUMN

NO SCALE



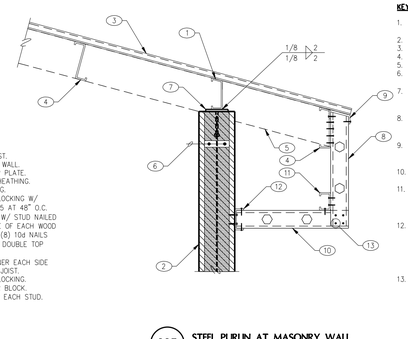
KEY NOTES:

1. STEEL BEAM (SLOPES OTHER DIRECTION AT SIM. CONDITION)
2. STEEL COLUMN.
3. FOR TYPE, SIZE AND NUMBER OF BOLTS SEE DETAIL **19**.
4. ½" THICK STEEL CAP PLATE.
5. HSS8X8X⅜ WELDED TO COLUMN FOR PARAPET – ¾" THICK CAP PLATE AT TOP AND BOTTOM.
6. WELD (3) SIDES TYPICAL.
7. STEEL COLUMN BELOW.
8. WIND GIRT.
9. 4"X7"X⅜" THICK STEEL PLATE WITH (2) ⅝"ø A307 BOLTS.
10. ½" STEEL PLATE EACH SIDE OF WEB.
11. 1'7"X10"X⅜" THICK STEEL PLATE. SEE DETAIL 212 FOR EXTENDED PLATE SECTION.
12. 4" X WIDTH OF COLUMN X ⅜" THICK STEEL PLATE.
13. (8)¾"ø A325 BOLTS.

X PLAN

219 STEEL BEAM AT STEEL COLOMN

NO SCALE

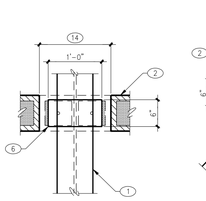


KEY NOTES:

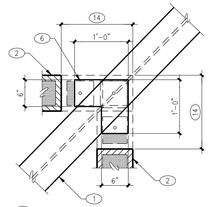
1. CONTINUOUS 14GA. 'C' BETWEEN BEAMS.
2. MASONRY WALL.
3. STANDING SEAM ROOFING.
4. STEEL PURLIN.
5. STEEL BEAM – BEYOND.
6. CONTINUOUS BOND BEAM PER GSN.
7. 5" SQ. X ⅜" THICK WELD PLATE W/ (1) ⅞"ø X6" LONG HEADED STUD AT 48" O.C.
8. 3625162–33 STEEL STUD W/ (4) #12 TEKS TO EAVE PURLIN AT 24" O.C.
9. CONTINUOUS 3627162–33 SLOPED TRACK W/ (2) #10 TEKS TO EACH STUD.
10. 3625162–33 STUD AT 24" O.C.
11. CONTINUOUS 3625162–33 STUD W/ (2) #10 TEKS TO EACH STUD (SIDE AND BELOW).
12. CONTINUOUS 3627162–33 TRACK W/ (2) ¼"X1¾" TITEN-2 SCREWS AT 16" O.C. TO MASONRY WALL AND (2) #10 TEKS TO EACH STUD.
13. (4) #10 TEKS SCREWS.

225 STEEL PURLIN AT MASONRY WALL

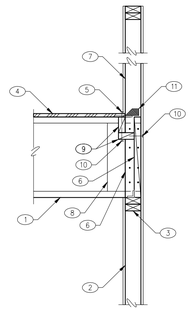
NO SCALE



X PLAN VIEW



X PLAN VIEW AT SIM. CONDITION

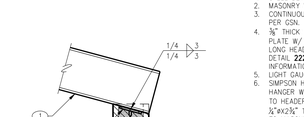


KEY NOTES:

1. WOOD I–JOIST.
2. WOOD STUD WALL.
3. DOUBLE TOP PLATE.
4. PLYWOOD SHEATHING.
5. EDGE NAILING.
6. SOLID 2X BLOCKING W/ SIMPSON A35 AT 48" O.C.
7. PONY WALL W/ STUD NAILED TO THE SIDE OF EACH WOOD I–JOIST W/ (8) 10d NAILS (STARTS AT DOUBLE TOP PLATE).
8. WEB STIFFENER EACH SIDE OF WOOD I–JOIST.
9. SOLID 2X BLOCKING.
10. (2) 16d PER BLOCK.
11. SIMPSON H3 EACH STUD.

229 WOOD I–JOIST AT WOOD STUD WALL

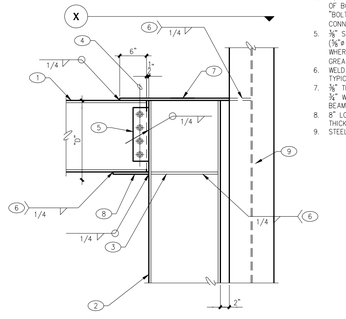
NO SCALE



KEY NOTES:

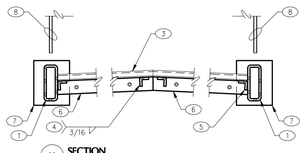
1. PORTAL FRAME STEEL BEAM.
2. PORTAL FRAME STEEL COLUMN.
3. ⅜" THICK STEEL PLATE EACH SIDE OF COLUMN WEB.
4. FOR TYPE, SIZE AND NUMBER OF BOLTS, SEE DETAIL **19** "BOLT SCHEDULE FOR STEEL CONNECTIONS".
5. ⅜" STEEL SHEAR PLATE (⅝"ø STEEL SHEAR PLATE WHERE "D" IS 27" OR GREATER).
6. WELD 3 SIDES OF PLATE, TYPICAL.
7. ⅜" THICK STEEL CAP PLATE, ¾" WIDER THAN COLUMN OR BEAM.
8. 8" LONG X 8" WIDE X ½" THICK STEEL PLATE.
9. STEEL COLUMN.

X PLAN

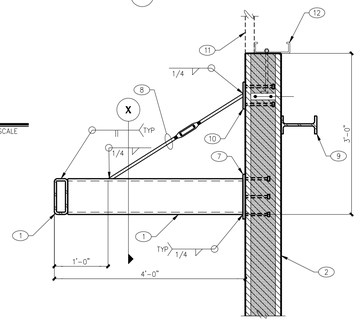


233 MOMENT CONNECTION – STEEL BEAM AT STEEL COLUMN

NO SCALE



X SECTION

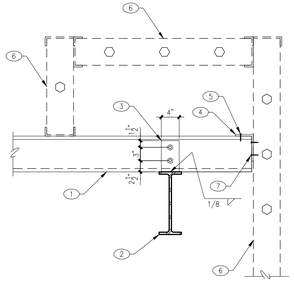


KEY NOTES:

1. STEEL BEAM (MITER AT CORNERS).
2. MASONRY WALL.
3. METAL ROOFING PER ARCHITECTURAL DRAWINGS.
4. EACH LEG – TYPICAL.
5. L2X2X¼ AT 24" O.C. – MAXIMUM.
6. L3X3X¼ WITH ⅝"ø X4" EXPANSION ANCHORS AT 24" O.C. MAX.
7. 10"X6"X⅜" THICK WELD PLATE WITH (6)⅞"X5" LONG HEADED STUDS.
8. ⅝"ø STEEL ROD WITH TURNBUCKLE – EACH END OF CANOPY.
9. STEEL SUPPORT BEAM. – SEE DETAIL **234** FOR MORE INFORMATION.
10. 6"SQ.X⅜" THICK STEEL WELD PLATE W/ (4) ⅞"ø X6" LONG HEADED STUDS.
11. INSULATED WALL PANEL ATTACH PER MANUFACTURER.
12. CONTINUOUS 14GA. "C" GIRT W/ ⅝"ø ANCHOR BOLT AT 48" O.C.

230 STEEL BEAM AT MASORNY WALL

NO SCALE



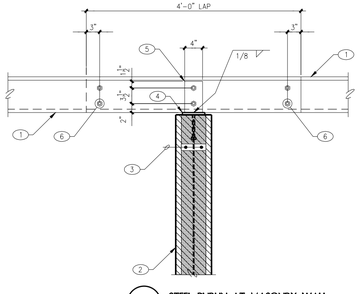
KEY NOTES:

1. STEEL PURLIN.
2. STEEL BEAM.
3. ⅜" THICK STEEL PLATE W/ (2) ½"ø A307 BOLTS.
4. CONTINUOUS L6"x4"x14 GA. (LLV) STEEL RAKE ANGLE.
5. (2) #12 TEKS SELF–TAPPING SCREWS TO EACH PURLIN.
6. STEEL STUD FRAMING PER ARCHITECTURAL DRAWINGS.
7. (2) #10 TEKS CONTINUOUS RAKE ANGLE TO EACH STUD.

226 STEEL PURLIN AT STEEL BEAM

05–SP–S80401–2

NO SCALE

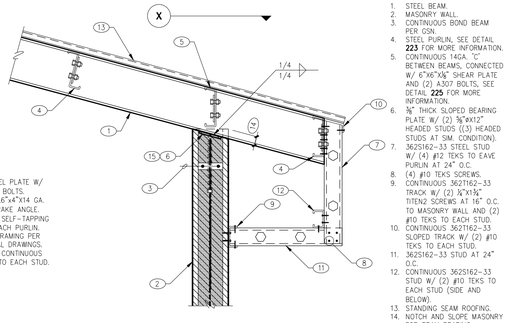


KEY NOTES:

1. STEEL PURLIN.
2. MASONRY WALL.
3. CONTINUOUS BOND BEAM PER GSN.
4. 5"SQ.X⅜" THICK WELD PLATE W/ (1) ⅞"ø X6" LONG HEADED STUD.
5. ⅜" THICK STEEL PLATE W/ (2) ⅞"ø A307 BOLTS.
6. (2) ⅞"ø A307 BOLTS.

227 STEEL PURLIN AT MASONRY WALL

NO SCALE

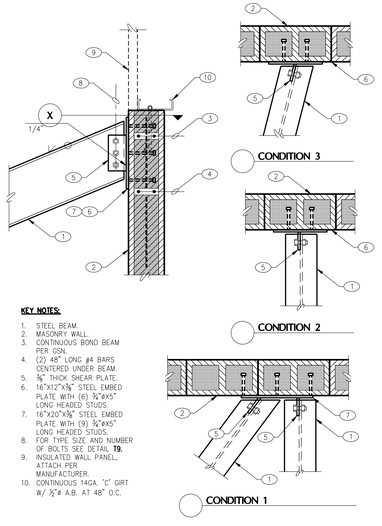


KEY NOTES:

1. STEEL BEAM.
2. MASONRY WALL.
3. CONTINUOUS BOND BEAM PER GSN.
4. STEEL PURLIN, SEE DETAIL **223** FOR MORE INFORMATION.
5. CONTINUOUS 14GA. "C" BETWEEN BEAMS, CONNECTED W/ 6"X6"X⅜" SHEAR PLATE AND (2) A307 BOLTS, SEE DETAIL **225** FOR MORE INFORMATION.
6. ⅜" THICK SLOPED BEARING PLATE W/ (2) ⅞"ø X12" HEADED STUDS ((3) HEADED STUDS AT SIM. CONDITION).
7. 3625162–33 STEEL STUD W/ (4) #12 TEKS TO EAVE PURLIN AT 24" O.C.
8. (4) #10 TEKS SCREWS.
9. CONTINUOUS 3627162–33 TRACK W/ (2) ¼"X1¾" TITEN2 SCREWS AT 16" O.C. TO MASONRY WALL AND (2) #10 TEKS TO EACH STUD.
10. CONTINUOUS 3627162–33 SLOPED TRACK W/ (2) #10 TEKS TO EACH STUD.
11. 3625162–33 STUD AT 24" O.C.
12. CONTINUOUS 3625162–33 STUD W/ (2) #10 TEKS TO EACH STUD (SIDE AND BELOW).
13. STANDING SEAM ROOFING.
14. NOTCH AND SLOPE MASONRY FOR BEAM BEARING.
15. OPTIONAL: ±1" DRYPACK UNDER BEARING PLATE.

222 STEEL BEAM AT MASONRY WALL

NO SCALE



KEY NOTES:

1. STEEL BEAM.
2. MASONRY WALL.
3. CONTINUOUS BOND BEAM PER GSN.
4. (2) 48" LONG #4 BARS CENTERED UNDER BEAM.
5. ⅜" THICK SHEAR PLATE.
6. 16"x12"x⅜" STEEL EMBED PLATE WITH (6) ⅞"ø X5" LONG HEADED STUDS.
7. 16"x20"x⅜" STEEL EMBED PLATE WITH (9) ⅞"ø X5" LONG HEADED STUDS.
8. FOR TYPE SIZE AND NUMBER OF BOLTS SEE DETAIL **19**.
9. INSULATED WALL PANEL, ATTACH PER MANUFACTURER.
10. CONTINUOUS 14GA. 'C' GIRT W/ ½"ø A.B. AT 48" O.C.

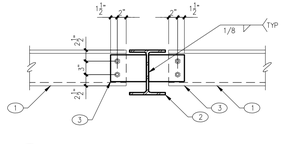
CONDITION 3

CONDITION 2

CONDITION 1

220 STEEL BEAM AT MASONRY WALL

NO SCALE



KEY NOTES:

1. STEEL PURLIN.
2. STEEL BEAM.
3. 8"X6"X⅜" THICK STEEL PLATE W/ (2) ⅝"ø A307 BOLTS.

223 STEEL PURLIN AT STEEL BEAM

NO SCALE

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JOB NO.: 2020–034 | PROJECT MANAGER: AGK | CAD OPERATOR: MJS

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Registered Professional Engineer Certificate No. 27341 RICHARD K. FROST 7.10.20 Date Signed ARIZONA U.S.A.

EXPIRES 9/30/2020

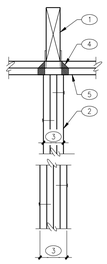
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DRAWING: FRAMING DETAILS 200-SERIES

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

PROJECT: 103-71-001F

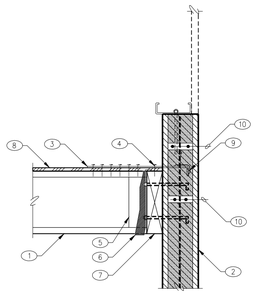
DRAWN BY	MJS
CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S6.1



KEY NOTES:

1. WOOD BEAM.
2. BUILT-UP STUDS W/ 16D AT 24" O.C. STAGGERED EACH SIDE.
3. (3) STUDS AT 4X WIDE OR LESS BEAMS – (4) STUDS AT 6X OR WIDER BEAMS OR WOOD POST PER PLAN.
4. SIMPSON H2.5A TYPE CONNECTOR EACH SIDE OF BEAM.
5. DOUBLE TOP PLATE.

250 WOOD BEAM AT WOOD STUD WALL
06-WB-WP0601 — NO SCALE



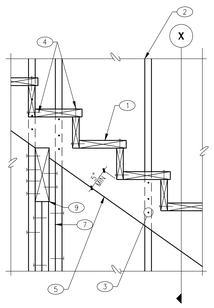
KEY NOTES:

1. WOOD I-JOIST.
2. MASONRY WALL.
3. SIMPSON PAI23 TYPE PURLIN ANCHOR AT 8'-0" O.C.
4. EDGE NAILING.
5. WEB STIFFENER.
6. SIMPSON MIT TYPE HANGER.
7. CONTINUOUS WOOD LEDGER.
8. PLYWOOD SHEATHING.
9. SOLID GROUT STRAP INTO WALL.
10. CONTINUOUS GROUTED BOND BEAM PER G.S.N.

NOTE:

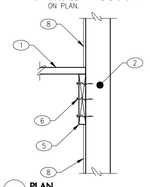
STRAP MAY BE PLACED UNDER PLYWOOD AT CONTRACTOR'S OPTION.

251 WOOD I-JOIST AT MASONRY WALL
06-WJ-MW0101-F — NO SCALE



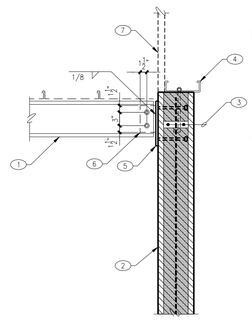
KEY NOTES:

1. 2X TREADS AND RISERS W/ (3) 16d TO EACH STRINGER.
2. WOOD STUD WALL.
3. (1) 16d TO LEDGER
4. 16d AT 8" O.C.
5. 2X12 STAIR STRINGER.
6. (3) @12X3.5" SCREWS TO EACH STUD.
7. MULTIPLE STUD BENEATH BEAM BEARING WITH PLYWOOD FILLER AS REQUIRED–NAIL TOGETHER WITH 16d AT 12" O.C.
8. GYPBOARD SHEATHING.
9. WOOD BEAM WHERE SHOWN ON PLAN.



X PLAN

252 WOOD STAIRS AT WOOD STUD WALL
STR0202-2 — NO SCALE



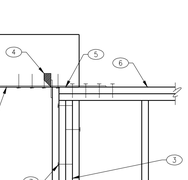
KEY NOTES:

1. STEEL PURLIN.
2. MASONRY WALL.
3. CONTINUOUS BOND BEAM PER GSN.
4. CONTINUOUS 14GA. "C" GIRT W/ ⅜"ø A.B. AT 48" O.C.
5. 10"X6"X¼" THICK STEEL PLATE W/ (2) ⅜"ø X6" HEADED STUDS AT EACH PURLIN.
6. 6" SQ. X ⅜" THICK STEEL PLATE W/ (2) A307 BOLTS.
7. INSULATED WALL PANEL, ATTACH PER MANUFACTURER.

NOTE:

A. PROVIDE 8"X2.5"X12GA. "C" BETWEEN EACH PURLIN W/ (3) ⅜"ø A.B. EVENLY SPACED ATTACHMENT TO MASONRY WALL NOT SHOWN FOR CLARITY.

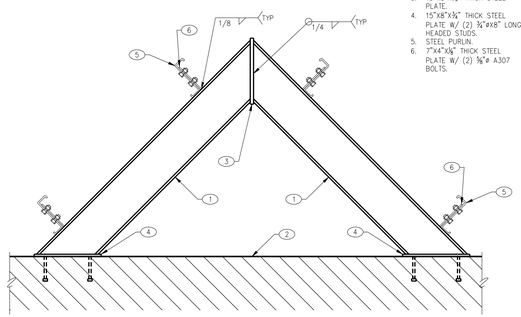
246 STEEL PURLIN AT MASONRY WALL
NO SCALE



KEY NOTES:

1. STEEL PURLIN.
2. STEEL BEAM.
3. ⅜" THICK STEEL PLATE W/ (2) ⅜"ø A307 BOLTS.
4. CONTINUOUS L6"X4"X14 GA. (LLV) STEEL RAKE ANGLE W/ (1) #12 TEKS SCREW AT EACH PURLIN.

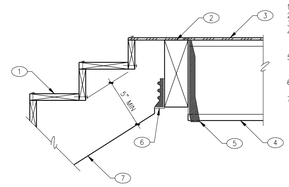
247 STEEL PURLIN AT STEEL BEAM
05-SP-SB0401-2 — NO SCALE



KEY NOTES:

1. STEEL BEAM (W10X33).
2. MASONRY WALL.
3. 15"X8"X¾" THICK STEEL PLATE.
4. 15"X8"X¾" THICK STEEL PLATE W/ (2) ¾"øX8" LONG HEADED STUDS.
5. STEEL PURLIN.
6. 7"X4"X⅜" THICK STEEL PLATE W/ (2) ⅜"ø A307 BOLTS.

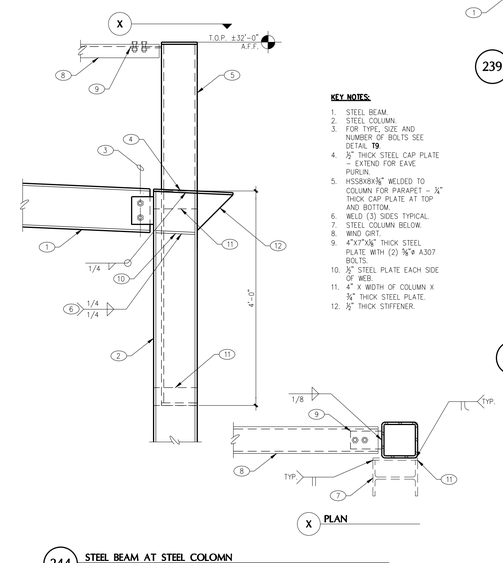
248 STEEL FRAME AT MASONRY WALL
NO SCALE



KEY NOTES:

1. 2X WOOD TREAD.
2. WOOD BEAM.
3. PLYWOOD SHEATHING.
4. WOOD I-JOIST, SPANS OTHER DIRECTION AT SIM. CONDITION.
5. SIMPSON ITS TYPE HANGER, NOT PRESENT AT SIMILAR CONDITION.
6. SIMPSON LUZ10 TYPE HANGER.
7. NOTCHED 2X12 WOOD STRINGER.

243 WOOD STAIRS AT WOOD BEAM
STR0206 — NO SCALE

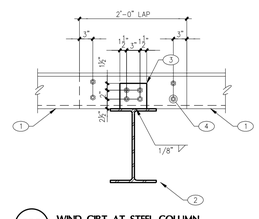


KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. FOR TYPE, SIZE AND NUMBER OF BOLTS SEE DETAIL **19**.
4. ½" THICK STEEL CAP PLATE – EXTEND FOR EAVE PURLIN.
5. HSS8X8X⅜" WELDED TO COLUMN FOR PARAPET – ¾" THICK CAP PLATE AT TOP AND BOTTOM.
6. WELD (3) SIDES TYPICAL.
7. STEEL COLUMN BELOW.
8. WIND GIRT.
9. 4"x7"x⅜" THICK STEEL PLATE WITH (2) ⅜"ø A307 BOLTS.
10. ½" STEEL PLATE EACH SIDE OF WEB.
11. 4" X WIDTH OF COLUMN X ½" THICK STEEL PLATE.
12. ½" THICK STIFFENER.

X PLAN

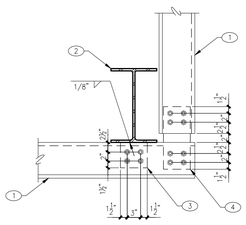
244 STEEL BEAM AT STEEL COLOMN
NO SCALE



KEY NOTES:

1. WIND GIRT.
2. STEEL COLUMN.
3. 6X6X⅜" THICK STEEL PLATE W/ (4) ⅜"ø A307 BOLTS.
4. (4) ⅜"ø A307 BOLTS AS SHOWN.

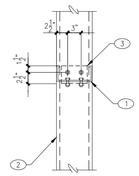
238 WIND GIRT AT STEEL COLUMN
NO SCALE



KEY NOTES:

1. WIND GIRT.
2. STEEL COLUMN.
3. 6X6X⅜" THICK STEEL PLATE W/ (4) ⅜"ø A307 BOLTS.
4. 14"x6"x⅜" THICK STEEL PLATE W/ (8) ⅜"ø A307 BOLTS AS SHOWN.

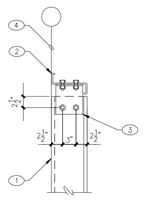
239 WIND GIRT AT STEEL COLUMN
NO SCALE



KEY NOTES:

1. STEEL GIRT "C" PER STRUCTURAL ELEVATIONS.
2. STEEL JAMB "C" PER STRUCTURAL ELEVATIONS.
3. L4"x4"x⅜" x 6" LONG W/ (2) ⅜"ø A307 BOLTS TO GIRT AND JAMB.

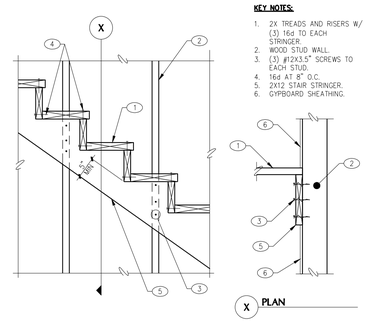
240 STEEL CEE GIRT AT STEEL CEE JAMB
05-SCG-SCJ0101 — NO SCALE



KEY NOTES:

1. STEEL JAMB "C" PER STRUCTURAL ELEVATIONS.
2. STEEL GIRT "Z" PER STRUCTURAL ELEVATIONS.
3. L7X4X⅜ X 6" LONG W/ (2) ⅜"ø A307 BOLTS TO GIRT AND JAMB.
4. LOCATION OF GRID LINE.

241 STEEL CEE JAMB AT STEEL ZEE GIRT
NO SCALE

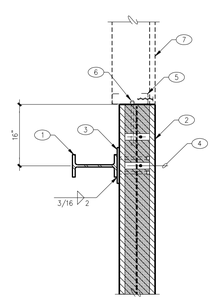


KEY NOTES:

1. 2X TREADS AND RISERS W/ (3) 16d TO EACH STRINGER.
2. WOOD STUD WALL.
3. (3) @12X3.5" SCREWS TO EACH STUD.
4. 16d AT 8" O.C.
5. 2X12 STAIR STRINGER.
6. GYPBOARD SHEATHING.

X PLAN

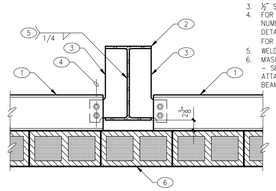
242 WOOD STAIRS AT WOOD STUD WALL
STR0202-1 — NO SCALE



KEY NOTES:

1. STEEL BEAM (FLAT).
2. MASONRY WALL.
3. 8"X6"X⅜" STEEL PLATE W/ (2) ⅝"ø X 6" LONG HEADED STUDS. SPACE PLATES AT 4'–0" O.C.
4. CONTINUOUS BOND BEAM PER G.S.N.
5. 14GA. "C" GIRT.
6. ⅜"ø A.B. AT 48" O.C.
7. INSULATED METAL PANEL ATTACH PER MANUFACTURER.

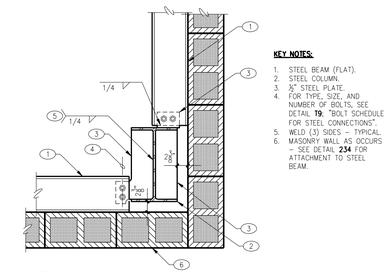
234 STEEL BEAM AT MASONRY WALL
08-MB-MW0106 — NO SCALE



KEY NOTES:

1. STEEL BEAM (FLAT).
2. STEEL COLUMN.
3. ½" STEEL PLATE.
4. FOR TYPE, SIZE, AND NUMBER OF BOLTS, SEE DETAIL **19**: "BOLT SCHEDULE FOR STEEL CONNECTIONS".
5. WELD (3) SIDES – TYPICAL.
6. MASONRY WALL AS OCCURS – SEE DETAIL **234** FOR ATTACHMENT TO STEEL BEAM.

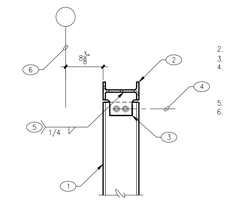
235 PLAN – STEEL BEAM AT STEEL COLUMN
NO SCALE



KEY NOTES:

1. STEEL BEAM (FLAT).
2. STEEL COLUMN.
3. ½" STEEL PLATE.
4. FOR TYPE, SIZE, AND NUMBER OF BOLTS, SEE DETAIL **19**: "BOLT SCHEDULE FOR STEEL CONNECTIONS".
5. WELD (3) SIDES – TYPICAL.
6. MASONRY WALL AS OCCURS – SEE DETAIL **234** FOR ATTACHMENT TO STEEL BEAM.

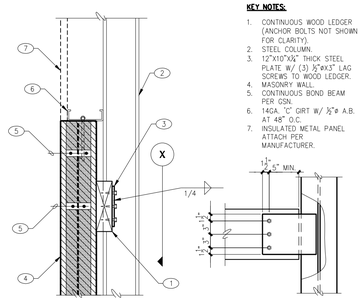
236 PLAN – STEEL BEAM AT STEEL COLUMN
NO SCALE



KEY NOTES:

1. STEEL COLUMN – ATTACHED TO MASONRY WALL BELOW WITH SAME WELD PLATES AS SHOWN IN DETAIL 234, SPACE 4'–0" O.C. VERTICALLY.
2. STEEL BEAM (FLAT).
3. ⅜" SHEAR PLATE.
4. FOR TYPE, SIZE, AND NUMBER OF BOLTS, SEE DETAIL **19**: "BOLT SCHEDULE FOR STEEL CONNECTIONS".
5. WELD (3) SIDES – TYPICAL.
6. LOCATION OF GRID LINE.

237 STEEL BEAM AT STEEL COLUMN
NO SCALE



KEY NOTES:

1. CONTINUOUS WOOD LEDGER (ANCHOR BOLTS NOT SHOWN FOR CLARITY).
2. STEEL COLUMN.
3. 12"x10"x¼" THICK STEEL PLATE W/ (3) ⅝"øX3" LAG SCREWS TO WOOD LEDGER.
4. MASONRY WALL.
5. CONTINUOUS BOND BEAM PER GSN.
6. 14GA. "C" GIRT W/ ⅜"ø A.B. AT 48" O.C.
7. INSULATED METAL PANEL ATTACH PER MANUFACTURER.

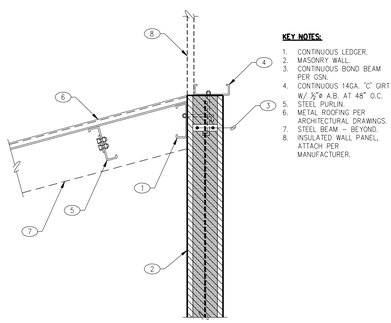
X ELEVATION

253 WOOD LEDGER AT STEEL COLUMN
NO SCALE

KEY NOTES:

1. WOOD HEADER OR BEAM.
2. WOOD STUD WALL.
3. WALL STUDS AT OPENING.
4. SIMPSON H2.5A TYPE CONNECTOR EACH SIDE OF BEAM.
5. SIMPSON ST6224 TYPE STRAP.
6. DOUBLE TOP PLATE.
7. 16d FACENAIL AT 24" O.C. – TYPICAL EACH SIDE.

249 BEAM ON TOP OF WOOD STUD WALL
06-WB-WP0607 — NO SCALE



KEY NOTES:

1. CONTINUOUS LEDGER.
2. MASONRY WALL.
3. CONTINUOUS BOND BEAM PER GSN.
4. CONTINUOUS 14GA. "C" GIRT W/ ⅜"ø A.B. AT 48" O.C.
5. STEEL PURLIN.
6. METAL ROOFING PER ARCHITECTURAL DRAWINGS.
7. STEEL BEAM – BEYOND.
8. INSULATED WALL PANEL, ATTACH PER MANUFACTURER.

245 STEEL LEDGER AT MASONRY WALL
NO SCALE

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JOB NO.: 2020-034	PROJECT MANAGER: AGK	CAD OPERATOR: MJS

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REVISIONS	BY

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EXPIRES 9/30/2020

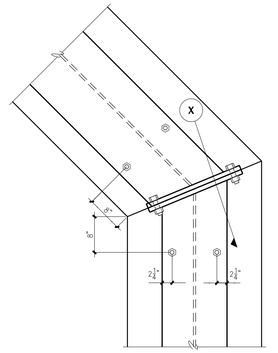
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ARCHITECTURE & PLANNING

DRAWING: FRAMING DETAILS 200-SERIES

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

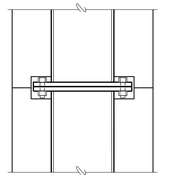
PROJECT: 103-71-001F

DRAWN BY	MJS
CHECKED BY	AGK
DATE	7/10/20
SCALE	AS NOTED
JOB NO.	2020-034
SHEET	S6.2



KEY NOTES:

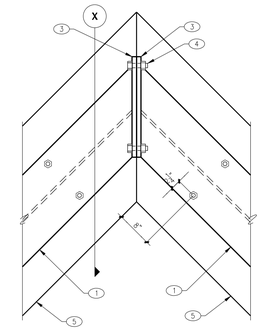
1. STEEL BEAM.
2. STEEL COLUMN.
3. 1" THICK STEEL PLATE (SEE DETAIL 256 FOR MORE INFORMATION).
4. (8)1"ø THRU BOLTS AS SHOWN.
5. 8¾" X 30" GLULAM BOLTED TO STEEL BEAM WITH (2)⅞"ø THRU BOLTS WITH 2" SQ. X ¼" THICK PLATE WASHERS AT 8" FROM ENDS AND AT 48" O.C.



X SECTION

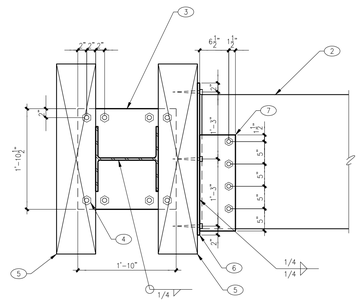
258 STEEL BEAM AT STEEL BEAM

NO SCALE



KEY NOTES:

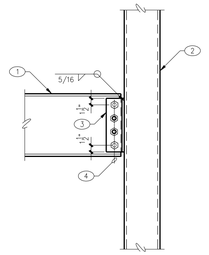
1. STEEL BEAM.
2. WOOD RIDGE BEAM.
3. 1" THICK STEEL PLATE.
4. (8)1"ø THRU BOLTS AS SHOWN.
5. 8¾" X 30" GLULAM BOLTED TO STEEL BEAM WITH (2)⅞"ø THRU BOLTS WITH 2" SQ. X ¼" THICK PLATE WASHERS AT 8" FROM ENDS AND AT 48" O.C.
6. 34"x15"X¾" THICK STEEL PLATE WITH (6)¾"ø X 6" LONG LAG BOLTS.
7. ¼" THICK BENT 'U' SHAPE BEAM SADDLE WITH (4)⅝"ø THRU BOLTS.



X SECTION

256 STEEL BEAM AT STEEL BEAM

NO SCALE



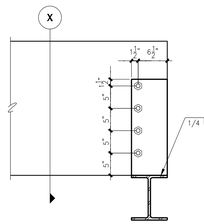
KEY NOTES:

1. STEEL BEAM.
2. STEEL COLUMN.
3. WT-3X6.
4. FOR TYPE, SIZE, AND NUMBER OF BOLTS, SEE DETAIL (19) "BOLT SCHEDULE FOR STEEL CONNECTIONS".

254 STEEL BEAM AT STEEL COLUMN

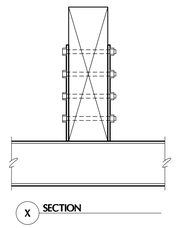
SB-SC0205

NO SCALE



KEY NOTES:

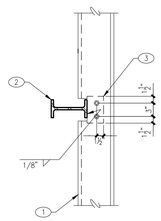
1. WOOD BEAM.
2. STEEL BEAM.
3. ¼" THICK STEEL PLATE EACH SIDE OF WOOD BEAM WITH (4)⅝"ø THRU BOLTS.



X SECTION

255 STEEL BEAM AT STEEL COLUMN

NO SCALE

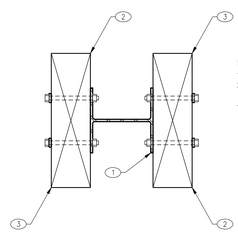


KEY NOTES:

1. WIND GIRT – NOTCH AROUND STEEL COLUMN AS REQUIRED.
2. STEEL COLUMN.
3. 6X4X⅜" THICK STEEL PLATE W/ (2) ⅝"ø A307 BOLTS.

259 WIND GIRT AT STEEL COLUMN

NO SCALE



KEY NOTES:

1. STEEL COLUMN/BEAM.
2. 8¾" X 30" GLULAM BOLTED TO STEEL COLUMN/BEAM.
3. (2)⅞"ø THRU BOLTS WITH 2" SQ. X ¼" THICK PLATE WASHERS AT 48" O.C.

257 GLULAMS AT STEEL COLUMN/BEAM

NO SCALE

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JOB NO.: 2020-034 | PROJECT MANAGER: AGK | CAD OPERATOR: MJS

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REVISIONS	BY

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Registered Professional Engineer (Structural) CERTIFICATE NO. 27341 RICHARD K. FROST DATE SIGNED 7.10.20 ARIZONA U.S.A.

EXPIRES 9/30/2020

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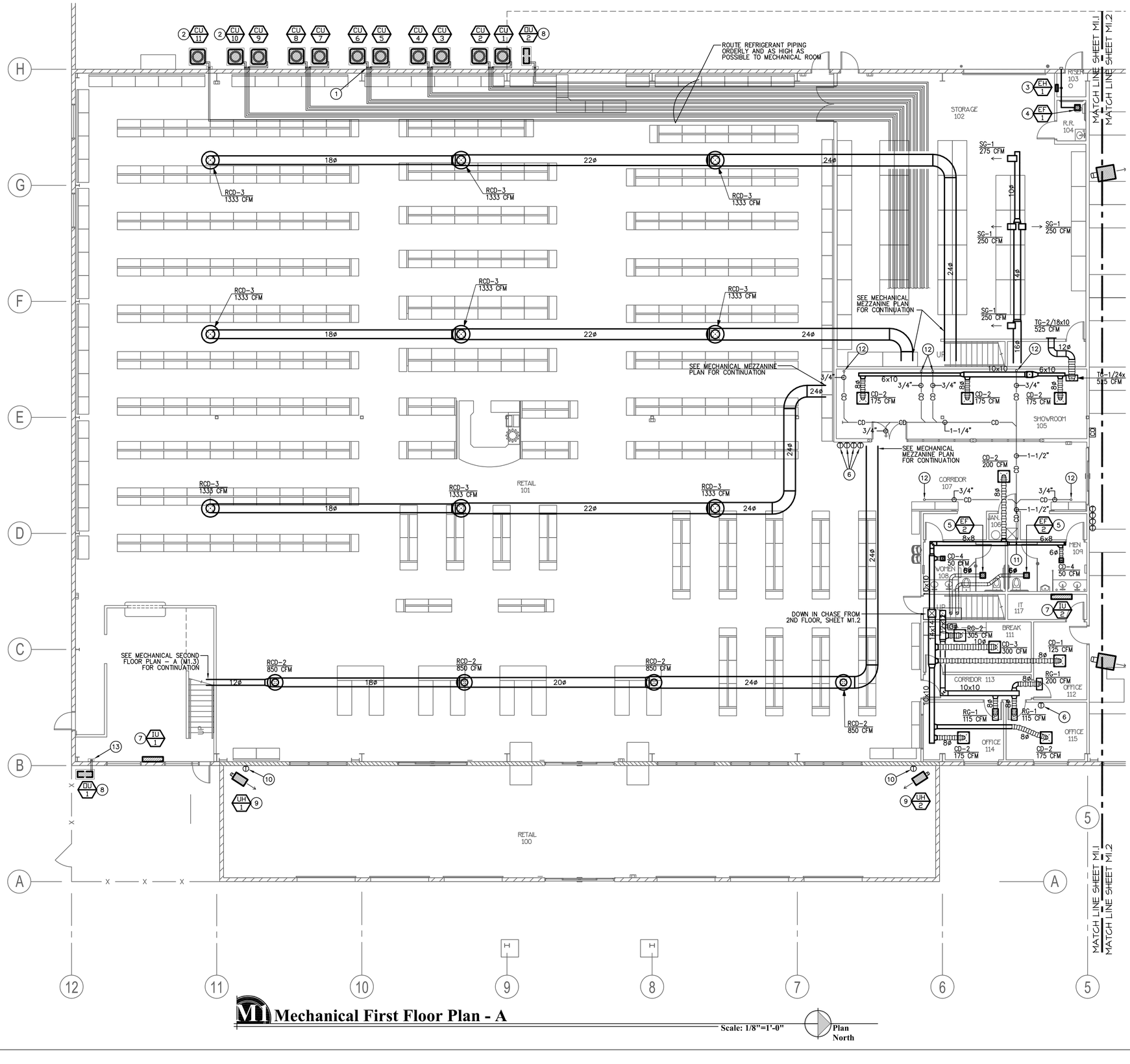
DRAWING: FRAMING DETAILS 200-SERIES

PROJECT: Alliance BLDG
ALLIANCE HOME IMPROVEMENT CENTER
PRESCOTT VALLEY, AZ 85314

PROJECT: 103-71-001F

DRAWN BY: MJS
CHECKED BY: AGK
DATE: 7/10/20
SCALE: AS NOTED
JOB NO.: 2020-034
SHEET:

S6.3



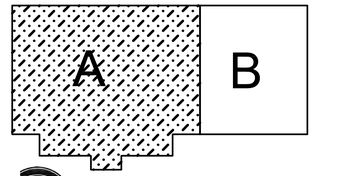
Mechanical First Floor Plan - A

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

Plan North

KEYNOTES

1. ROUTE REFRIGERANT PIPING UP IN 24 GAUGE SHEET METAL ENCLOSURE, PREPAINTED TO MATCH BUIDLING SIDING COLOR. SLEEVE CONCEALED THROUGH WALL TO ROUTE AS HIGH AS POSSIBLE TO MECHANICAL ROOM. SIZE, INSULATE AND INSTALL PIPING PER MANUFACTURER'S RECOMMENDATIONS. FOLLOW MANUFACTURER'S PIPING GUIDE FOR ANY PIPING LENGTHS OVER 50 FEET. INSULATE REFRIGERANT PIPING PER SPECIFICATIONS.
2. OUTDOOR CONDENSING UNIT ON CONCRETE SLAB, REFER TO ARCHITECTURAL PLANS. MOUNT DISCONNECTS BETWEEN UNITS ON WALL TO MAINTAIN REQUIRED CLEARENCES. (TYPICAL OF 11)
3. ELECTRIC HEATER WITH INTEGRAL THERMOSTAT.
4. CEILING MOUNTED EXHAUST FAN WITH BACKDRAFT DAMPER. EXTEND 6ø EXHAUST DUCT TO MANUFACTURER'S WALL DISCHARGE CAP.
5. CEILING MOUNTED EXHAUST FAN WITH BACKDRAFT DAMPER. TRANSITION EXHAUST DUCT FROM UNIT DISCHARGE AND ROUTE ABOVE CEILNIG AND UP IN CHASE TO MANUFACTURER'S ROOF DISCHARGE CAP. MAINTAIN A MINIMUM 10' CLEARANCE FROM ALL OUTSIDE AIR INTAKES.
6. HEATING/COOLING PROGRAMMABLE THERMOSTAT ON WALL AT 48" ABOVE FINISHED FLOOR. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/OWNER. PROVIDE WITH LOCKING COVER.
7. WALL MOUNTED MINI SPLIT INDOOR UNIT MOUNTED ON WALL AT APPROXIMATELY 7' A.F.F. (CONFIRM WITH ARCH). COORDINATE EXACT MOUNTING LOCATION.
8. MINI SPLIT CONDENSING UNIT ON CONCRETE SLAB.
9. GAS-FIRED UNIT HEATER SUPPORTED FROM STRUCTURE, WITH TYPE "B" FLUE UP THROUGH ROOF. COORDINATE UNIT HEATER MOUNTING HEIGHT.
10. PROVIDE UNIT HEATER WITH LOW VOLTAGE THERMOSTAT WITH INSULATED SUB-BASE. PROVIDE WITH LOCKING COVER.
11. 1-1/2" CONDENSATE DRAIN DOWN TO JANITORS SINK, WITH APPROVED AIR GAP.
12. 3/4" CONDENSATE DOWN FROM MECHANICAL MEZZANINE.
13. CONCEAL REFRIGERANT LINES IN SHEET METAL ENCLOSURE ON INTERIOR OF CMU WALL.



M2 Key Plan

Scale: n.t.s.

Plan North

REVISIONS	BY
07-08-20 CITY COMMENTS	wmo

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Registered Professional Engineer
33491
WILLIAM MARK ODELL
Date Signed 07/ 10/ 20
ARIZONA U.S.A.

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ARCHITECTURE & PLANNING

DRAWING: Mechanical First Floor Plan 'A'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY

CHECKED BY

DATE
March 6th, 2020

JOB NO.
753

SHEET

M1.1

OSE Design Group, LLC
Consulting Engineers
611 West Delano Ave
Prescott, AZ 86301
(602) 499.0001
Project #20021
11759 N. 143rd Ave.
Surprise, AZ 85379
(623) 444-6143

Mar 11, 2020 - 4:01pm

CO & NO2 VENTILATION SEQUENCE

Normal Operation (FAN OFF)
If the monitored gas concentration level is below the field adjustable Low Alert setting, the detector will be in the Normal Operation mode. In this mode the front panel display will indicate the ambient gas concentration. The detector output control relays will be in the inactive state and only the power and active sensor front panel lamps will be illuminated.

Alert Operation (FAN ON)
If a monitored gas concentration level for a sensor reaches the Alert setting, the detector will flash the Alert indicator lamp and activate a delay timer. The duration of the delay is field adjustable from 0 to 7 minutes. If the concentration level remains at or above the Alert setting for the duration of the delay period, the Alert relay contacts will close. This contact closure can be used to actuate exhaust fan. Once the monitored gas concentration level drops below the Alert setting, the panel will activate another delay timer. If the concentration level remains below the Alert setting for the duration of the delay period, the panel will revert to the Normal Operation state.

Alarm Mode Operation
If a monitored gas concentration remains at or above the Alert level longer than 15 minutes, a set of Alarm relay contacts will close and an internal buzzer will sound. This set of contacts can be used to actuate an external alarm. The buzzer will stay on and the contacts will remain closed until the monitored gas concentration falls below the factory set High Alert level. The internal buzzer may be silenced by pressing a front panel mounted push-button switch.

GARAGE VENTILATION SYSTEM GENERAL DESCRIPTION

THE DRIVE THROUGH LUMBER YARD VENTILATION SHALL BE PROVIDE BY (2) FANS. ONE FAN IS SIZED AND CAPABLE OF 0.05 CFM/SF (590 CFM) AS REQUIRED BY CODE FOR MINIMUM VENTILATION. THIS FAN SHALL RUN CONTINUOUSLY DURING OCCUPIED HOURS.

A SECOND FAN IS SIZED AND CAPABLE OF 0.75 CFM/SF (8,850 CFM) AS REQUIRED BY CODE. A CARBON MONOXIDE & NO2 DETECTION SYSTEM SHALL BE INSTALLED TO ALLOW THE FAN TO OPERATE ONLY WHEN EITHER THE CO OR NO2 LEVELS ARE ABOVE THE SET THRESHOLD.

THE DETECTION SYSTEM SHALL BE CAPABLE OF ONE VENTILATION SETTING WHICH WILL ENRGIZE THE PURGE VENTILATION FAN.

THE SYSTEM SHALL BE COMPRISED OF (1) CO/NO2 DETECTION CONTROLLER, AND RELAYS AND INTERLOCKS AS REQUIRED TO CONTROL THE PURGE EXHAUST FAN.

SYSTEM SHALL BE BRASCH; MODEL # GSE-CM-TRNS AND MODEL # GSE-CM.

VENTILATION CALC.

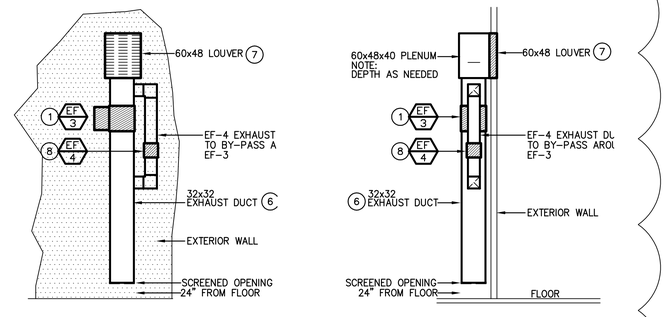
MINIMUM CONSTANT VENTILATION
11,800 SQUARE FEET X 0.05 CFM/SF = 590 CFM

THIS VENTILATION SHALL BE PROVIDED CONTINUOUSLY DURING OCCUPIED HOURS BY EF-4.

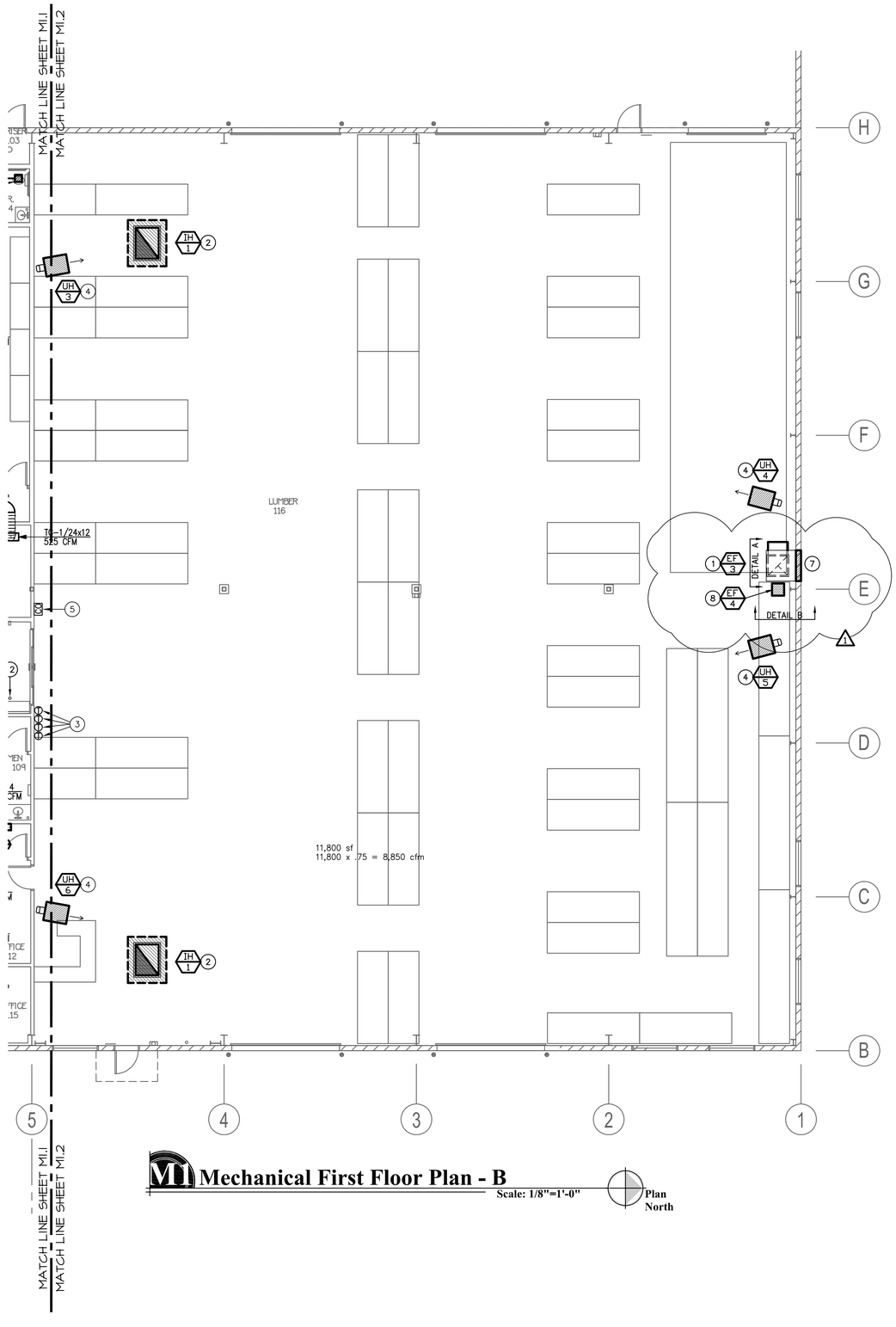
MAXIMUM VENTILATION

11,800 SQUARE FEET X 0.75 CFM/SF = 8,850 CFM

MAXIMUM VENTILATION SHALL BE PROVIDED UPON ACTIVATION FROM CO/NO2 DETECTION SYSTEM BY EF-3.



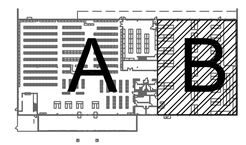
DETAIL A **DETAIL B**



M1 Mechanical First Floor Plan - B
Scale: 1/8"=1'-0"
Plan North

KEYNOTES

1. VERTICAL INLINE "PURGE" EXHAUST FAN. FAN TO BE INTERLOCKED WITH CO DETECTION SYSTEM. SEE GARAGE VENTILATION SEQUENCE. EXTEND OUTLET DUCT AS SHOWN TO WALL DISCHARGE LOUVER. PROVIDE WITH HAND/OFF/AUTO SWITCH. WHEN IN AUTO POSITION, FAN SHALL ENERGIZE UPON SIGNAL FROM CO MONITOR.
2. LOW PROFILE ROOF GRAVITY RELIEF/INTAKE.
3. PROVIDE UNIT HEATER WITH LOW VOLTAGE THERMOSTAT WITH INSULATED SUB-BASE. PROVIDE WITH LOCKING COVER.
4. GAS-FIRED UNIT HEATER SUPPORTED FROM STRUCTURE, WITH TYPE "B" FLUE UP THROUGH ROOF. COORDINATE UNIT HEATER MOUNTING HEIGHT.
5. BRASCH MODEL #GSE-CM, CO DETECTOR CONTROL PANEL WITH WIRED RELAYS TO VENTILATION FAN CONTROL. COORDINATED REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
6. EXTEND 32x32 EXHAUST DUCT DOWN ALONG WALL TO 24" A.F.F. PROVIDE 1/2" SCREEN MESH OVER OPENING.
7. 48x60 EXHAUST LOUVER WITH 32" SHEET METAL PLENUM. LOUVER SHALL BE GREENHECK #ESD-401.
8. VERTICAL INLINE EXHAUST FAN TO PROVIDE MINIMUM VENTIALTION RATE FOR LUMBER YARD. FAN SHALL BE INTERLOCKED TO OPERATE WITH LIGHTS (OR OTHER MEANS FOR OPERATION DURING OCCUPIED HOURS).



Key Plan

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Project #20021
11759 N. 143rd Ave.
Surprise, AZ 85379
(623) 444-6143

REVISIONS	BY
07-08-20 CITY COMMENTS	WRK

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WILLIAM MARK ODELL
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ARCHITECTURE & PLANNING

DRAWING: Mechanical First Floor Plan 'B'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY
CHECKED BY
DATE March 6th, 2020
JOB NO. 753
SHEET

M1.2

Mar 11, 2020 - 4:01pm

ASHRAE 62.1 OUTSIDE AIR CALC.

Outside Air for Unit F-1

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Storage	234	0	5	0	0.12	234	28.1
Offices	404	5	5	2.02	0.06	404	34.3
Break Room	161	25	5	4.025	0.06	161	29.8
Corridors	585	0	0	0	0.06	585	35.1
Balance F-1 to 127 CFM				Total Net OSA Required			127

Outside Air for Unit F-2

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Office	449	5	5	2.245	0.06	449	38.2
Conference	393	50	5	19.65	0.06	393	121.8
Reception	194	30	5	5.82	0.06	194	40.7
Corridors	91	0	0	0	0.06	91	5.5
Balance F-2 to 206 CFM				Total Net OSA Required			206

Outside Air for Unit F-3, 4, 5, 6, 7, 8, 9, 10

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Retail	16,300	15	7.5	244.5	0.12	16300	3789.8
Balance F-3,4,5,6,7, 9, 9, 10 to 473 CFM Ea.				Total Net OSA Required			3790

Outside Air for Unit F-11

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Retail	503	15	7.5	7.545	0.12	503	116.9
Storage	2135	0	5	0	0.12	2135	256.2
Balance F-11 to 373 CFM				Total Net OSA Required			373

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)

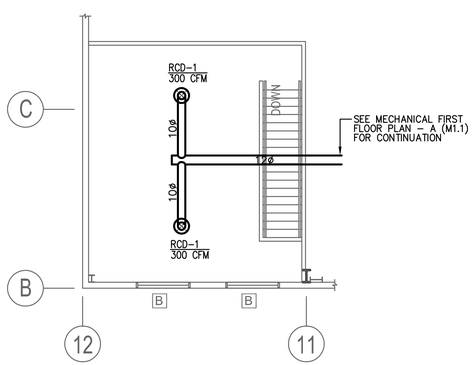
P_z = *zone population*: the largest number of people expected to occupy the zone during typical usage. If the number of people expected to occupy the zone fluctuates, P_z may be estimated based on averaging approaches described in Section 6.2.6.2

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.

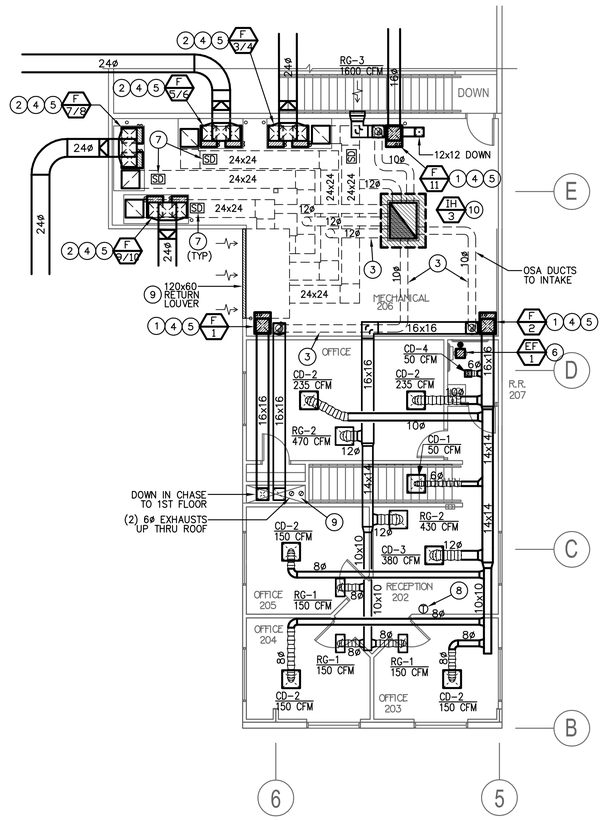
R_a = outdoor airflow rate required per unit area as determined from Table 6-1



M1 Mechanical Second Floor Plan - A

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

Plan North



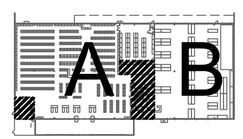
M2 Mechanical Second Floor Plan - A

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

Plan North

KEYNOTES

1. NEW VERTICAL SEALED COMBUSTION UPFLOW FURNACE ON 18" HIGH RETURN AIR PLATFORM. MAINTAIN ALL NECESSARY CLEARANCES AND MAINTENANCE ACCESS REQUIREMENTS. ROUTE AND CONNECT REFRIGERANT LINES FROM CONDENSING UNIT. ROUTE PVC COMBUSTION AIR INTAKE AND VENT PIPING TO CONCENTRIC ROOF OR ROOF TERMINATION. INSTALLATION SHALL BE IN ACCORDANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE INSTALLED LENGTH AND FITTINGS.
2. NEW "TWINNED" VERTICAL SEALED COMBUSTION UPFLOW FURNACE(S) ON 18" HIGH RETURN AIR PLATFORM. MAINTAIN ALL NECESSARY CLEARANCES AND MAINTENANCE ACCESS REQUIREMENTS. ROUTE AND CONNECT REFRIGERANT LINES FROM CONDENSING UNIT. ROUTE PVC COMBUSTION AIR INTAKE AND VENT PIPING TO CONCENTRIC ROOF OR ROOF TERMINATION. INSTALLATION SHALL BE IN ACCORDANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE INSTALLED LENGTH AND FITTINGS.
3. EXTEND OUTSIDE AIR DUCT (WITH BALANCE DAMPER) FROM RETURN TO OSA INTAKE HOOD. BALANCE OUTSIDE AIR AS SHOWN ON SCHEDULE. OSA DUCTS FROM TWINNED UNITS SHALL BE 12ø, ALL OTHERS 10ø.
4. EXTEND NEW 3/4" TYPE 'M' COPPER CONDENSATE DRAIN PIPING FROM UNIT CONNECTION AND ROUTE THROUGH FLOOR TO 1ST FLOOR CEILING. SEE SHEET M11 FOR ROUTING TO MOP SINK.
5. PVC COMBUSTION AIR INTAKE AND VENT PIPING UP TO CONCENTRIC ROOF TERMINATION PER MANUFACTURER. SHALL BE IN ACCORDANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE INSTALLED LENGTH AND FITTINGS. (TYPICAL)
6. CEILING MOUNTED EXHAUST FAN WITH BACKDRAFT DAMPER. TRANSITION EXHAUST DUCT FROM UNIT DISCHARGE AND ROUTE TO MANUFACTURER'S ROOF DISCHARGE CAP. MAINTAIN A MINIMUM 10' CLEARANCE FROM ALL OUTSIDE AIR INTAKES. FAN SHALL OPERATE WITH LIGHTS OR TIME CLOCK.
7. INSTALL SMOKE DETECTOR IN RETURN AIR DUCT FOR AUTO SHUT-OFF UPON DETECTION OF SMOKE AS PER SECTION 606, 2018 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.
8. PROVIDE HEATING/COOLING PROGRAMMABLE THERMOSTAT ON WALL AT 48" ABOVE FINISHED FLOOR. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/OWNER. PROVIDE WITH LOCKING COVER.
9. 120x60 RETURN LOUVER (GREENHECK #EDD-401)WITH SHEET METAL PLENUM SIZED TO ACCOMDATE ALL RETURN CONNECTIONS. LOCATE AS HIGH AS POSSIBLE TO ACCOMDATE RETURN CONENCTONS WITHIN MECHANICAL MEZZININE.
10. LOW PROFILE ROOF OSA INTAKE.



Key Plan

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ARCHITECTURE & PLANNING

DRAWING: Mechanical Second Floor Plans 'A'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY

CHECKED BY

DATE March 6th, 2020

JOB NO. 753

SHEET **M1.3**

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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 ROOMS	GREENHECK	SP-A90	50	.25	30 WATTS	120/1	DIRECT	1.2	12	1 2
2	REST ROOMS	GREENHECK	SP-A125	100	.25	53 WATTS	120/1	DIRECT	1.3	17	1 2
3	LUMBER YARD PURGE	GREENHECK	BSQ-240	8,850	.25	2 HP	230-1	BELT	24	240	3 4
4	LUMBER YARD MIN.	GREENHECK	SQ-120-C	620	.25	1/8 HP	120-1	DIRECT	3.2	59	4 5

1. UNIT TO OPERATE CONTINUOUSLY
2. PROVIDE WITH PITCHED WALL DISCHARGE CAP, #WC-6
3. PROVIDE WITH MOTOR CONTROLLER TO OPERATE FAN FROM ANALOG INPUT FROM ON CO2 DETECTOR.
4. PROVIDE WITH MOTOR SIDE GUARD AND VIBRATION ISOLATION HANGERS.
5. UNIT TO OPERATE DURING BUSINESS HOURS VIA INTERLOCK WITH LIGHTING OR OTHER MEANS.

ELECTRIC HEATER SCHEDULE

EQUIP. NO.	MANUFACTURER	MODEL NO.	TYPE	SERVICE/ LOCATION	BLOWER CFM	HEATER KW	VOLTS/ PHASE	AMPS	REMARKS
1	QMARK	QFG15122M	RECESSED WALL HEATER	RISER ROOM	150	1.5	120/1	12.5	1

1. INTEGRAL THERMOSTAT.

GRILLES/REGISTERS/DIFFUSERS SCHEDULE

MARK	DESCRIPTION	MODULE SIZE	TYPE	OBD	FRAME	MATERIAL	FINISH	MANUF.	MODEL	REMARKS
CD-1	SUPPLY DIFFUSER	24x24	SQUARE CEILING	NO	T-BAR	STEEL	WHITE	TITUS	TMS	6ø NECK
CD-2	SUPPLY DIFFUSER	24x24	SQUARE CEILING	NO	T-BAR	STEEL	WHITE	TITUS	TMS	8ø NECK
CD-3	SUPPLY DIFFUSER	24x24	SQUARE CEILING	NO	T-BAR	STEEL	WHITE	TITUS	TMS	10ø NECK
CD-4	SUPPLY DIFFUSER	9x9	SQUARE LOUVERED	NO	SURFACE	STEEL	WHITE	TITUS	TDC	6ø NECK
RCD-1	SUPPLY DIFFUSER	20ø	ROUND SUPPLY	NO	SURFACE	STEEL	WHITE	TITUS	TRMA	10ø NECK
RCD-2	SUPPLY DIFFUSER	32ø	ROUND SUPPLY	NO	SURFACE	STEEL	WHITE	TITUS	TRMA	16ø NECK
RCD-3	SUPPLY DIFFUSER	36ø	ROUND SUPPLY	NO	SURFACE	STEEL	WHITE	TITUS	TRMA	18ø NECK
RG-1	RETURN GRILLE	22x10	SINGLE DFL	NO	SURFACE	STEEL	WHITE	TITUS	350RL	NECK SIZE PER PLAN
RG-2	RETURN GRILLE	22x22	SINGLE DFL	NO	SURFACE	STEEL	WHITE	TITUS	350RL	NECK SIZE PER PLAN
RG-3	SIDEWALL RETURN GRILLE	20x20	SINGLE DFL	NO	SURFACE	STEEL	WHITE	TITUS	350RL	NECK SIZE PER PLAN
TG-1	RETURN GRILLE	22x10	SINGLE DFL	NO	SURFACE	STEEL	WHITE	TITUS	350RL	NECK SIZE PER PLAN
TG-2	SIDEWALL TRANSFER GRILLE	18x10	SINGLE DFL	NO	SURFACE	STEEL	WHITE	TITUS	350RL	NECK SIZE PER PLAN
SG-1	SIDEWALL SUPPLY GRILLE	12x8	DOUBLE DFLCT.	NO	SURFACE	STEEL	WHITE	TITUS	300RL	NECK SIZE PER PLAN

NOTES:

1. NECK SIZE SHOWN ON PLANS AND CORRESPONDS TO DUCT CONNECTION SIZE.
2. CONTRACTOR SHALL PROVIDE SQUARE TO ROUND ADAPTERS AS REQUIRED FOR INSTALLATION.
3. MOUNTING HEIGHT OF GRILLES AND EXACT LOCATION OF ALL DIFFUSERS TO FIELD COORDINATED AND APPROVED BY OWNER.
4. VERIFY MAKE, MODEL AND COLOR OF ALL DEVICES WITH OWNER.

ROOF INTAKE HOOD SCHEDULE

EQUIP. NO.	MANUFACTURER	MODEL NO.	SERVICE	THROAT SIZE	MIN. THROAT AREA	BAROMETRIC DAMPER	MAX. PRESSURE DROP (IN. WG.)	REMARKS
1	GREENHECK	FABRA HOOD	INTAKE	48"x36"	12.0 SF	NO DAMPER	.05"	1 2
2	GREENHECK	FABRA HOOD	INTAKE	48"x36"	12.0 SF	NO DAMPER	.05"	1 2
3	GREENHECK	FABRA HOOD	OSA	48"x36"	12.0 SF	NO DAMPER	.05"	1 2

1. ALUMINUM CONSTRUCTION
2. PROVIDE 8" METAL ROOF CURB.

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	2.5	CARRIER	24ACC630	26.6	21.3	95/67	SELECTED BY MFG.	80'/63'	16.7	25	208-230/1/60	16	R-410A	167	1 2 3 4 5 6
CU-2	3.5	CARRIER	24ACC642	41.5	31.0	95/67	SELECTED BY MFG.	80'/63'	23.6	40	208-230/1/60	16	R-410A	180	1 2 3 4 5 6
CU-3	5	CARRIER	24ACC660	58.4	44.1	95/67	SELECTED BY MFG.	80'/63'	32.4	50	208-230/1/60	16	R-410A	299	1 2 3 4 5 6
CU-4	5	CARRIER	24ACC660	58.4	44.1	95/67	SELECTED BY MFG.	80'/63'	32.4	50	208-230/1/60	16	R-410A	299	1 2 3 4 5 6
CU-5	5	CARRIER	24ACC660	58.4	44.1	95/67	SELECTED BY MFG.	80'/63'	32.4	50	208-230/1/60	16	R-410A	299	1 2 3 4 5 6
CU-6	5	CARRIER	24ACC660	58.4	44.1	95/67	SELECTED BY MFG.	80'/63'	32.4	50	208-230/1/60	16	R-410A	299	1 2 3 4 5 6
CU-7	5	CARRIER	24ACC660	58.4	44.1	95/67	SELECTED BY MFG.	80'/63'	32.4	50	208-230/1/60	16	R-410A	299	1 2 3 4 5 6
CU-8	5	CARRIER	24ACC660	58.4	44.1	95/67	SELECTED BY MFG.	80'/63'	32.4	50	208-230/1/60	16	R-410A	299	1 2 3 4 5 6
CU-9	5	CARRIER	24ACC660	58.4	44.1	95/67	SELECTED BY MFG.	80'/63'	32.4	50	208-230/1/60	16	R-410A	299	1 2 3 4 5 6
CU-10	5	CARRIER	24ACC660	58.4	44.1	95/67	SELECTED BY MFG.	80'/63'	32.4	50	208-230/1/60	16	R-410A	299	1 2 3 4 5 6
CU-11	4	CARRIER	24ACC648	46.5	35.2	95/67	SELECTED BY MFG.	80'/63'	26.1	40	208-230/1/60	16	R-410A	248	1 2 3 4 5 6

1. INSTALL UNIT PER MANUFACTURER'S WRITTEN DIRECTIONS. SLEEVE PIPING PENETRATIONS THROUGH EXTERIOR WALL, SEAL WATERTIGHT AND PROVIDE ESCUTCHEONS.
2. UNIT SHALL BE PROVIDED WITH PROGRAMMABLE THERMOSTAT, W/ LOCKING OOVER.
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 LOW AMBIENT CONTROL KIT FOR OPERATION DOWN TO 30°F.

CONDENSER DIMENSIONS	Length x Width x Height
018 – 024	33" x 30" x 33"
030	33" x 30" x 37"
036	38" x 38" x 34"
042 – 060	38" x 34" x 45"

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	DIMENSIONS W/O COIL	NOTES
F-1	2.5	CARRIER	59TP6B-040V17	VERTICAL	1000	127	0.50	40,000	39,000	2"	2-PIPE SEALED	NAT. GAS	80%	1/2	115/1/60	DISPOSABLE	133	35"x29"x17.5"	1 2 3 4
F-2	3.5	CARRIER	59TP6B-060V17	VERTICAL	1400	206	0.50	66,000	53,000	2"	2-PIPE SEALED	NAT. GAS	80%	3/4	115/1/60	DISPOSABLE	140	35"x29"x17.5"	1 2 3 4
F-3	5	CARRIER	59TP6B-100V21	VERTICAL/TWINNED	2000	473	0.50	100,000	97,000	3"	2-PIPE SEALED	NAT. GAS	80%	1	115/1/60	DISPOSABLE	171	35"x29"x21.5"	1 2 3 4 5
F-4	5	CARRIER	59TP6B-100V21	VERTICAL/TWINNED	2000	473	0.50	100,000	97,000	3"	2-PIPE SEALED	NAT. GAS	80%	1	115/1/60	DISPOSABLE	171	35"x29"x21.5"	1 2 3 4 5
F-5	5	CARRIER	59TP6B-100V21	VERTICAL/TWINNED	2000	473	0.50	100,000	97,000	3"	2-PIPE SEALED	NAT. GAS	80%	1	115/1/60	DISPOSABLE	171	35"x29"x21.5"	1 2 3 4 5
F-6	5	CARRIER	59TP6B-100V21	VERTICAL/TWINNED	2000	473	0.50	100,000	97,000	3"	2-PIPE SEALED	NAT. GAS	80%	1	115/1/60	DISPOSABLE	171	35"x29"x21.5"	1 2 3 4 5
F-7	5	CARRIER	59TP6B-100V21	VERTICAL/TWINNED	2000	473	0.50	100,000	97,000	3"	2-PIPE SEALED	NAT. GAS	80%	1	115/1/60	DISPOSABLE	171	35"x29"x21.5"	1 2 3 4 5
F-8	5	CARRIER	59TP6B-100V21	VERTICAL/TWINNED	2000	473	0.50	100,000	97,000	3"	2-PIPE SEALED	NAT. GAS	80%	1	115/1/60	DISPOSABLE	171	35"x29"x21.5"	1 2 3 4 5
F-9	5	CARRIER	59TP6B-100V21	VERTICAL/TWINNED	2000	473	0.50	100,000	97,000	3"	2-PIPE SEALED	NAT. GAS	80%	1	115/1/60	DISPOSABLE	171	35"x29"x21.5"	1 2 3 4 5
F-10	5	CARRIER	59TP6B-100V21	VERTICAL/TWINNED	2000	473	0.50	100,000	97,000	3"	2-PIPE SEALED	NAT. GAS	80%	1	115/1/60	DISPOSABLE	171	35"x29"x21.5"	1 2 3 4 5
F-11	4	CARRIER	59TP6B-100V21	VERTICAL	1600	373	0.50	100,000	97,000	3"	2-PIPE SEALED	NAT. GAS	80%	1	115/1/60	DISPOSABLE	171	35"x29"x17.5"	1 2 3 4

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 TERMINATION AND MAINTAIN MINIMUM 12" CLEARENCE ABOVE ANTICIPATED SNOW LEVEL.
3. PROVIDE LEFT OR RIGHT CONNECTIONS AS REQUIRED FOR ACCESS IN MECHANICAL ROOMS.
4. PROVIDE WITH CONCENTRIC TERMINATION KIT #KGAVT0801CVT. RETURN AIR BASE FOR UPFLOW APPLICATIONS KIT #KGARP0301B21 AND HIGH ALTITUDE KIT PER INSTALLATION INSTRUCTIONS.
5. PROVIDE WIITH TWINNING #AGATWNPME1A. NOTE: UNIT SHALL BE LISTED BY MFR. AS CAPABLE OF TWINNING.

UNIT HEATER SCHEDULE

EQUIP. NO.	MANUFACTURER	MODEL NO.	SERVICE/ LOCATION	BLOWER CFM	BLOWER ESP	BLOWER MIN. THROW	MOTOR HP	MOTOR VOLTS/ PHASE	HEATER FUEL	HEATER MAX. INPUT MBH	HEATER MIN. OUTPUT MBH	FLUE (DIA.)	WT. (LBS)	REMARKS
1	REZNOR	F-75	VESTIBULE	980	0	48'	1/15	120/1	NAT. GAS	75,000	60,000	5" OVAL	88	1 2 3
2	REZNOR	F-75	VESTIBULE	980	0	48'	1/15	120/1	NAT. GAS	75,000	60,000	5" OVAL	88	1 2 3
3	REZNOR	F-300	LUMBER YARD	3,800	0	108'	1/4	120/1	NAT. GAS	300,000	240,000	8" OVAL	221	1 2 3
4	REZNOR	F-300	LUMBER YARD	3,800	0	108'	1/4	120/1	NAT. GAS	300,000	240,000	8" OVAL	221	1 2 3
5	REZNOR	F-300	LUMBER YARD	3,800	0	108'	1/4	120/1	NAT. GAS	300,000	240,000	8" OVAL	221	1 2 3
6	REZNOR	F-300	LUMBER YARD	3,800	0	108'	1/4	120/1	NAT. GAS	300,000	240,000	8" OVAL	221	1 2 3

1. PROVIDE UNIT HEATER WITH LOW VOLTAGE THERMOSTAT WITH INSULATED SUB-BASE, W/ LOCKING COVER.
2. PROVIDE UNIT WITH ELECTRONIC SPARK IGNITION.
3. PROVIDE UNIT WITH 2-POINT SUSPENSION KIT.

DUCT FREE SPLIT SYSTEM

OUTDOOR UNIT EQUIP. NO.	MANUFACTURER	MODEL NO.	TYPE	MCA (1)	VOLTS/ PHASE	NOMINAL TONS	WEIGHT	INDOOR UNIT EQUIP. NO.	MANUFACTURER	MODEL NO.	SENSIBLE COOLING CAPACITY BTUH	VOLTS/ PHASE	WEIGHT	REMARKS
OU-1	LG	LSU240HLV	HEATPUMP	23.0	208-230, 1ø	2	79 LBS	IU-1	LG	LSN240HLV	19,100	208-230, 1ø	23 LBS	2 3 4 5 6
OU-2	LG	LSU240HLV	HEATPUMP	23.0	208-230, 1ø	2	79 LBS	IU-2	LG	LSN240HLV	19,100	208-230, 1ø	23 LBS	2 3 4 5 6

1. COMBINED INDOOR/OUTDOOR UNIT AMPS.
2. PROVIDE INTEGRAL T-STAT.
3. PROVIDE LOW AMBIENT KIT FOR OPERATIONS DOWN TO 0°F.
4. CONTRACTOR TO VERIFY LENGTH AND PROVIDE REQUIRED POWER/COMMUNICATION WIRING BETWEEN INDOOR AND OUTDOOR UNIT(S).
5. SIZE AND INSTALL REFRIGERANT LINES AS RECOMMENDED BY MANUFACTURER'S WRITTEN INSTRUCTIONS. INSULATE PIPING WITH 1" INSULATION, PER IECC.
6. PROVIDE UNIT WITH "LITTLE GIANT" #EC-400 CONDENSATE PUMP WITH SAFETY SWITCH.

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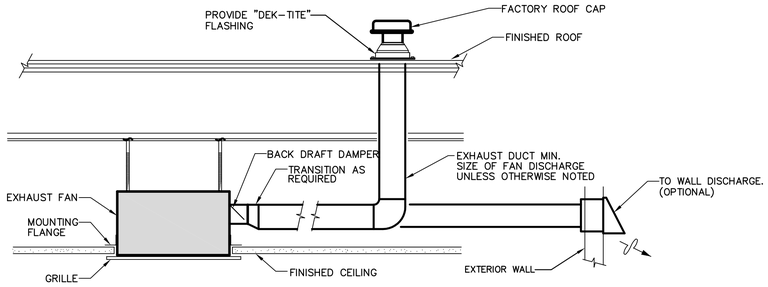
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ARCHITECTURE & PLANNING

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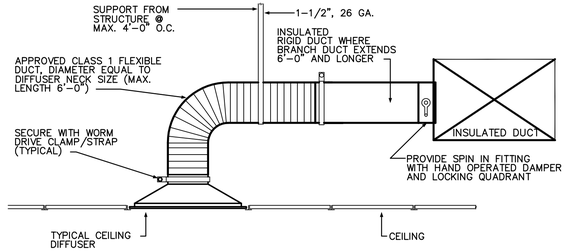
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CEILING EXHAUST FAN DETAIL

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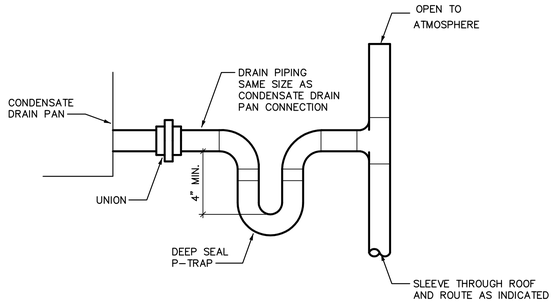
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BRANCH DUCT TAKE-OFF DETAIL

NOT TO SCALE

4 / M3.1



CONDENSATE PIPING AT UNIT DETAIL

NOT TO SCALE

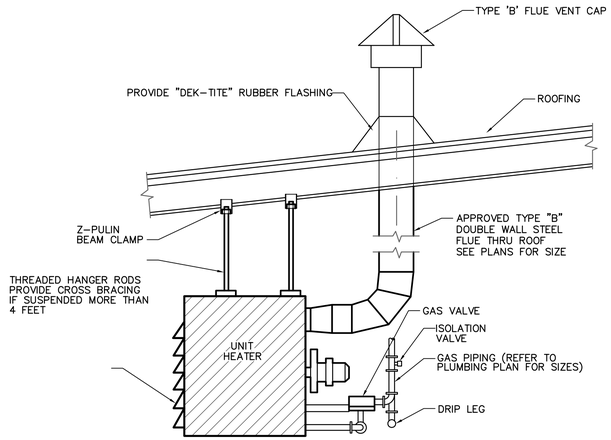
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DUCT DIAMETER	HANGER SIZE- GALV. STEEL STRAP	SPACING
0 TO 18"	1" x 20 GA.	12'
19 TO 36"	1" x 18 GA.	12'

EXPOSED ROUND DUCT HANGER

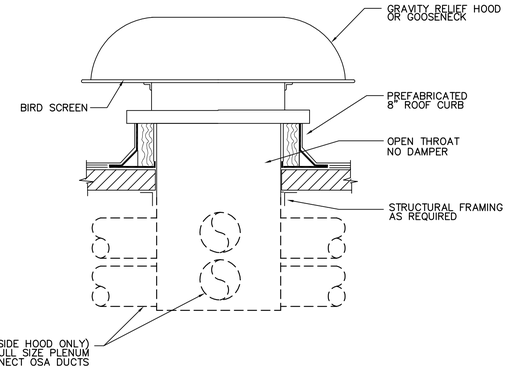
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8 / M3.1



GAS FIRED UNIT HEATER

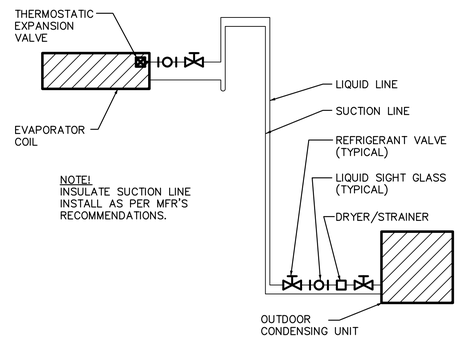
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INTAKE HOOD DETAIL

SCALE: NONE

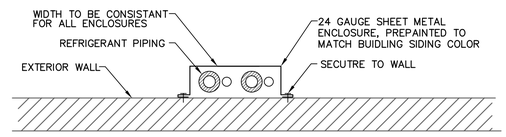
2 / M3.1



SPLIT SYSTEM REFRIGERANT PIPING DETAIL

NOT TO SCALE

6 / M3.1



(PLAN VIEW)

REFRIGERANT PIPING ENCLOSURE

3 / M3.1

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DATE
March 6th, 2020

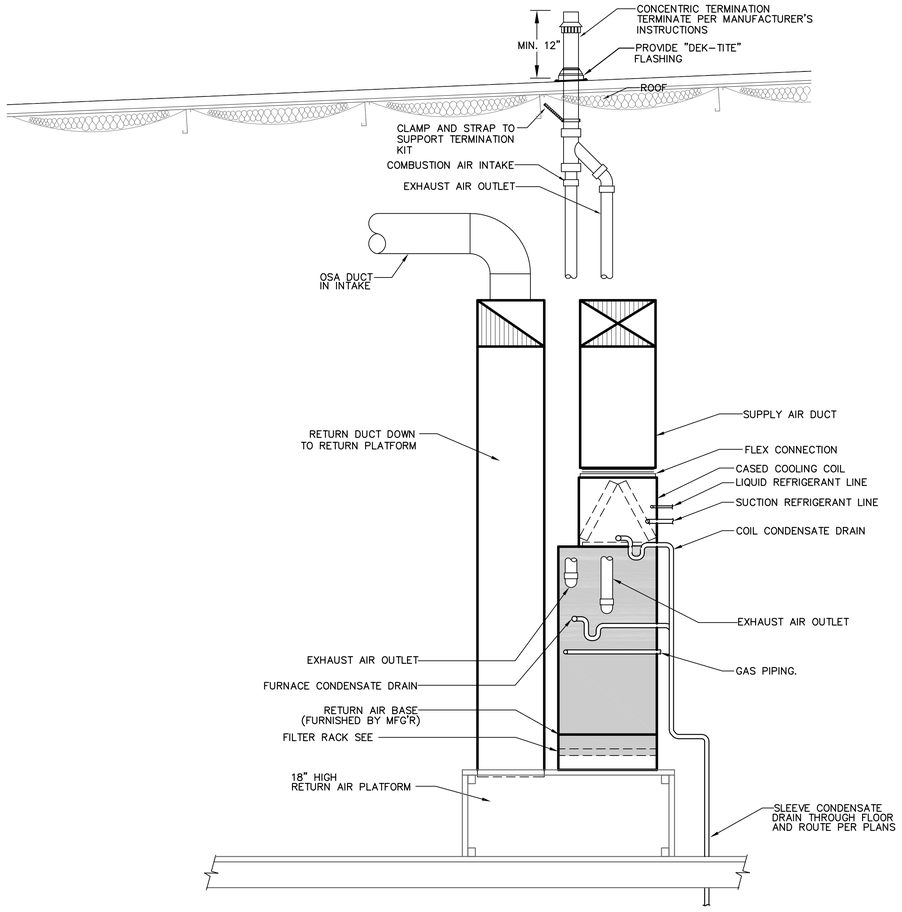
JOB NO.
753

SHEET

M3.1

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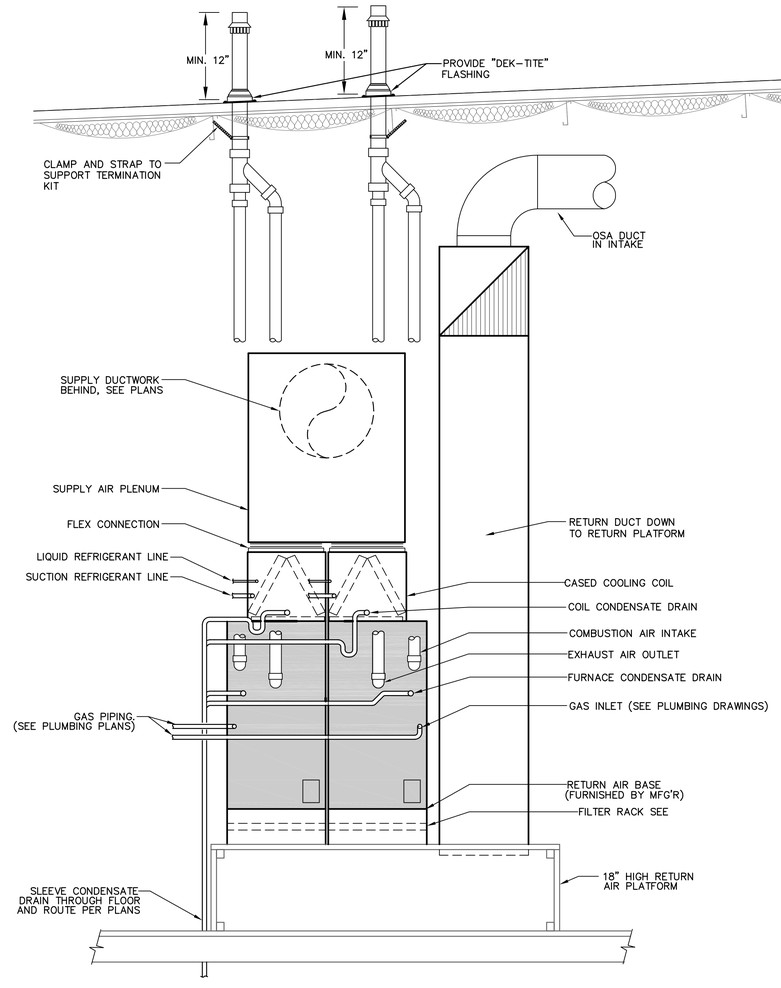
Mar 11, 2020 - 4:01pm



NATURAL GAS FURNACE DETAIL

NOT TO SCALE

1 / M3.2



"TWINNED" NATURAL GAS FURNACE DETAIL

NOT TO SCALE

2 / M3.2

REVISIONS	BY
07-08-20 CITY COMMENTS	WMO

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ARCHITECTURE & PLANNING

DRAWING: Mechanical Details

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY

CHECKED BY

DATE
March 6th, 2020

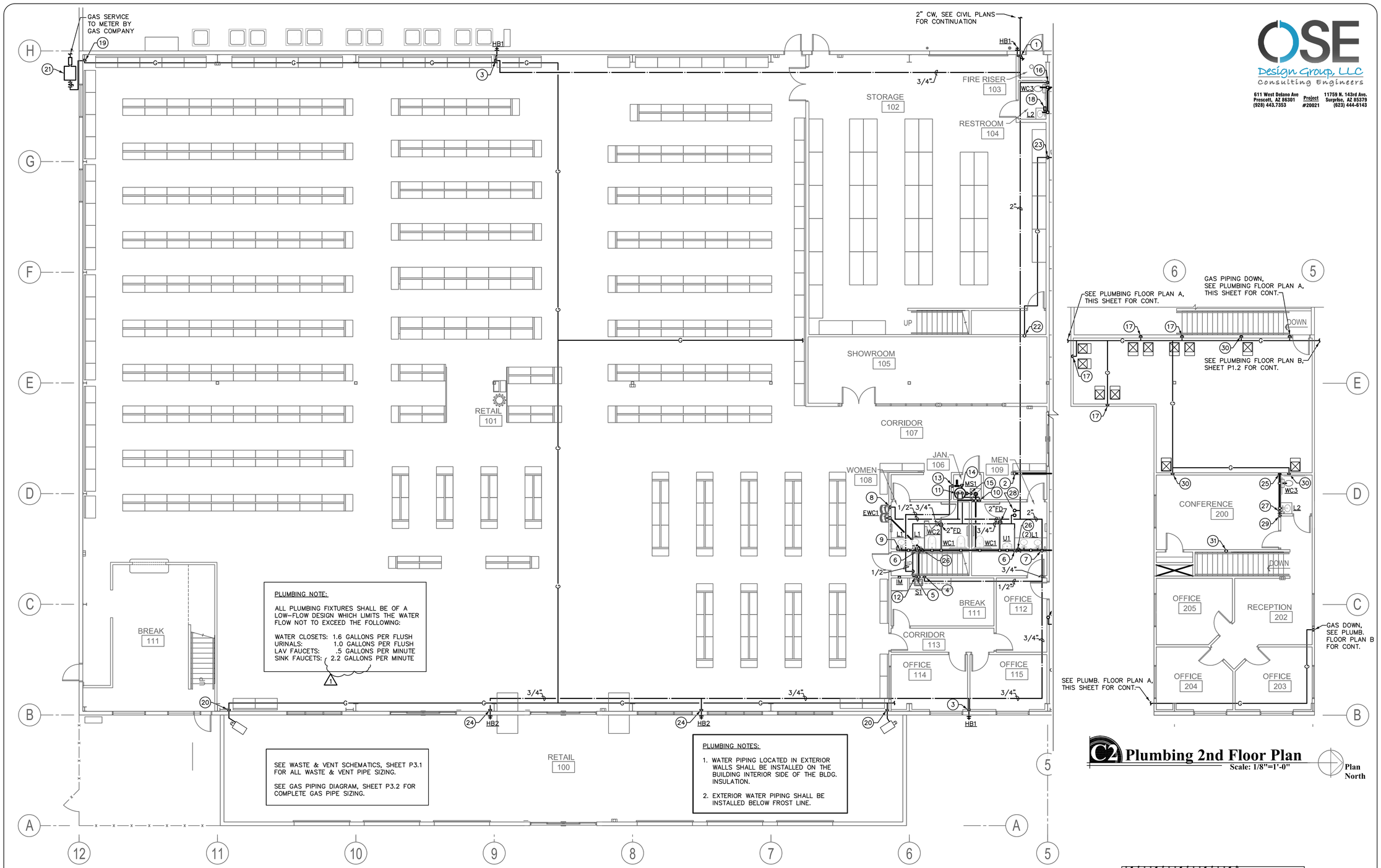
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KEY NOTES

1. 2" CW RISE FROM BELOW GRADE. PROVIDE BALL VALVE (BUILDING SHUTOFF) & PRESSURE REDUCING VALVE SET AT 80 PSI ON RISER. TEE OFF RISER WITH 3/4" TO NON-FREEZE HOSE BIBB.
2. 3"WASTE FROM ABV. DN. TO BELOW GRADE.
3. 3/4" CW DOWN TO NON-FREEZE HOSE BIBB.
4. 1/2" CW DOWN, WITH 1/2" TO SINK & 1/2" TO ICEMAKER BOX.
5. 1/2" HW DOWN TO SINK.
6. 3/4" HW DOWN TO MIXING VALVE.
7. 2" CW DOWN TO 2" HEADER, WITH 1/2" TO EACH LAV, 3/4" TO MIXING VALVE, 3/4" TO URINAL, & 1" TO EACH WC.
8. 1/2" CW DOWN TO ELECTRIC WATER COOLER.
9. WATER HAMMER ARRESTER, PDI TYPE "B", ON CW HEADER UPSTREAM OF LAST FIXTURE BRANCH CONNECTION.
10. 1/2" H & CW DOWN TO MOP SINK.
11. 3/4" H & CW DOWN TO WATER HEATER.
12. TAKE 1/2" HWR OFF TOP OF HW LINE, ROUTE ABOVE CEILING BACK TO RECIRC. PUMP.
13. 1/2" HWR DOWN TO RECIRC. PUMP. SEE WATER HEATER DETAIL FOR PUMP SPEC. & FOR CONT. OF 1/2" HWR.
14. ELECTRIC WATER HEATER WH-1, SEE DETAIL, SCHEDULE, SHEET P2.1.
15. FULL SIZE WATER HEATER P & T RELIEF DRAIN LINE DOWN TO TERMINATE +2" ABOVE MOP SINK RIM WITH 90° ELBOW DOWN.
16. 3/4" CW DOWN TO 3/4" HEADER, WITH 1/2" TO WC, 1/2" TO LAV & 1/2" TO WATER HEATER.
17. GAS DOWN TO FURNACES.
18. TANKLESS ELECTRIC WATER HEATER WH-2, SEE DETAIL, SHEDULE, SHEET P2.1. MOUNT UNIT ON WALL BELOW LAV. EXTEND 1/2" HW FROM UNIT TO LAV.
19. GAS OUT OF METER, ENTER BUILDING & RISE ALONG COLUMN TO ROUTE AT CEILING.
20. GAS DOWN TO UNIT HEATER.
21. GAS METER & REGULATOR BY GAS COMPANY (2,406 CFH, 415" TOTAL DEVELOPED LENGTH).
22. GAS DOWN FROM ROOF.
23. GAS DOWN TO UNIT HEATER, SEE PLUMBING FLOOR PLAN B, SHEET P1.2 FOR CONT.
24. 3/4" CW DOWN TO HOSE BIBB.
25. 3" WASTE DOWN, SEE PLUMB. FLOOR PLAN A, THIS SHEET FOR CONT.
26. MIXING VALVE MV1, LOCATE BELOW COUNTER INSIDE WALL WITH LOCKABLE ACCESS PANEL. COORDINATE PANEL LOCATION WITH ARCH. EXTEND 3/4" TEMPERED HW HEADER FROM VALVE OUTLET, WITH 1/2" TO EACH LAV.
27. 1/2" HW FROM BELOW UP TO LAV.
28. 3/4" CW, 1/2" HW UP, SEE PLUMBING 2ND FLOOR PLAN, THIS SHEET FOR CONT.
29. 3/4" CW FROM BELOW, UP TO 3/4" HEADER, WITH 1/2" TO LAV, 1/2" TO WC.
30. GAS DOWN TO FURNACE.
31. 3" VENT RISER FROM BELOW UP TO 3" VTR.

Plumbing First Floor Plan - A

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

Plan North

C2 Plumbing 2nd Floor Plan

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

Plan North

C1 Key Plan

Scale: n.t.s.

Plan North

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ARCHITECTURE & PLANNING

DRAWING: Plumbing Floor Plan 'A'
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314
APN: 103-71-001F

DRAWN BY
CHECKED BY
DATE March 6th, 2020
JOB NO. 753
SHEET

P1.1

WATER CALCULATION

FIXTURE UNITS = 66 FU / 57 GPM
(PREDOMINANTLY FLUSH VALVE)

PIPE LENGTH, METER TO FARTHEST FIXTURE	168 FT.
VERTICAL PIPE LENGTH TO HIGHEST FIXTURE	20 FT.
TOTAL PIPE LENGTH	188 FT.
FITTING LOSS (25%)	47 FT.
TOTAL DEVELOPED LENGTH	235 FT.

WATER PIPE SIZING CRITERIA

STREET PRESSURE	65.00 PSI*
WATER METER LOSS (1–1/2")	8.00 PSI
BACKFLOW PREVENTER LOSS	12.00 PSI
STATIC LOSS (20' x 0.43)	5.60 PSI
FIXTURE LOSS	25.00 PSI
PRESSURE AVAILABLE FOR PIPING	14.40 PSI

14.40 PSI / 235 FEET x 100 = 6.0 PSI MAXIMUM ALLOWABLE DROP PER 100 FEET PIPE LENGTH

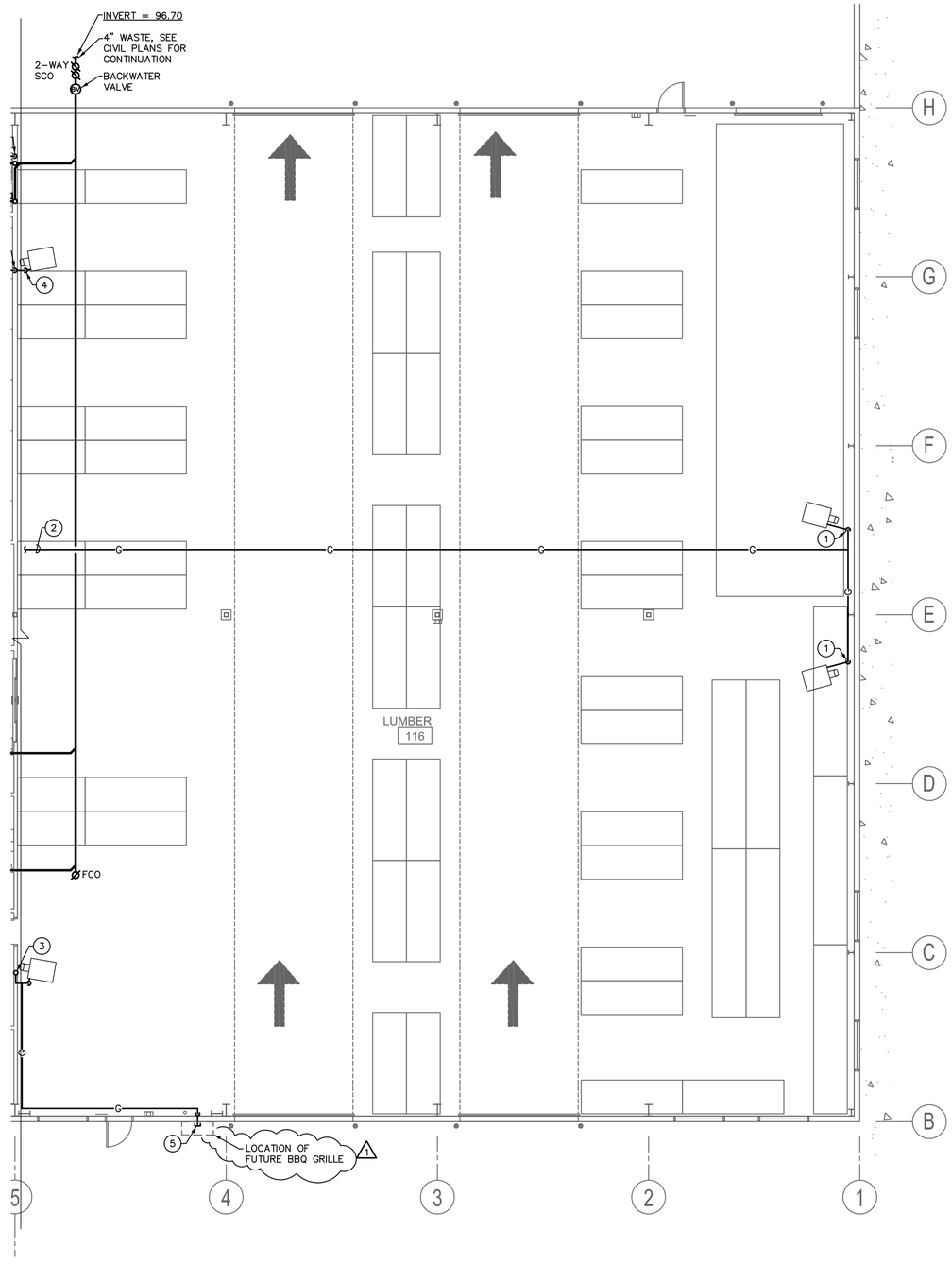
*ASSUMED WATER PRESSURE– CONTRACTOR SHALL VERIFY ACTUAL WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE IS LESS THAN 50 PSI, CONTRACTOR SHALL CONTACT ENGINEER FOR PIPE SIZING EVALUATION. IF PRESSURE EXCEEDS 80 PSI, A PRESSURE REDUCING VALVE SHALL BE PROVIDED. PIPING VELOCITY NOT TO EXCEED 8 FEET PER SECOND.

BRANCH PIPE SIZING CHART FOR 6.0 PSI LOSS

PIPE SIZE	G.P.M.	F.U.(TANK)	F.U.(F.V.)
1/2"	3	2	–
3/4"	7	8	–
1"	15	21	–
1–1/4"	26	44	9
1–1/2"	41	88	29
2"	88	314	185

FIXTURE UNIT CALCULATIONS

DESCRIPTION	QTY	F.U. EACH		TOTAL F.U.	
		WASTE	WATER	WASTE	WATER
WATER CLOSET (F.V.)	3	4	10	12	30
WATER CLOSET (F.T.)	2	4	5	8	10
LAVATORY	6	1	2	6	12
URINAL	1	2	5	2	5
MOP SINK	1	3	4	2	4
ELECTRIC WATER COOLER	1	1	1	–	1
SINK	1	3	4	3	4
					66



Plumbing Floor Plan - B

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

Plan North

KEY NOTES

1. GAS DOWN TO UNIT HEATER.
2. GAS CONTINUED FROM PLUMBING FLOOR PLAN A.
3. GAS DOWN FROM 2ND FLOOR TO UNIT HEATER.
4. GAS CONTINUED FROM PLUMBING FLOOR PLAN A, DOWN TO UNIT HEATER.
5. PROVIDE CAPPED GAS STUBOUT AT EXTERIOR FOR FUTURE 50 MBH FIRE PIT.

NOTE:
SLOPE ALL HORIZONTAL WASTE PIPING AS FOLLOWS:

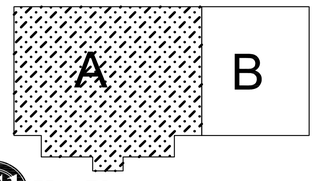
FOR PIPE SIZES UP THROUGH 3", SLOPE AT 1/4" PER FT.

FOR PIPE SIZES 4" & ABOVE, SLOPE AT 1/8" PER FT.

SLOPE ALL HORIZONTAL RAINWATER PIPING AT 1/8" PER FT.

PLUMBING LEGEND

SYMBOL	ABBR.	DESCRIPTION
	W	WASTE PIPING
— — — —	V	VENT PIPING
—— · ——	CW	COLD WATER PIPING
—— ·· ——	HW	HOT WATER PIPING
—— ··· ——	HWR	HOT WATER RECIRC. PIPING
——G——	G	NATURAL GAS PIPING
⌀	FCO, SCO	FLOOR OR SURFACE CLEANOUT
—|	WCO	WALL CLEANOUT
|⊥	VTR	VENT THRU ROOF
—||—	HB	HOSE BIBB
●	FD	FLOOR DRAIN



C1 Key Plan

Scale: n.t.s.

Plan North

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ARCHITECTURE & PLANNING

DRAWING: Plumbing Floor Plan 'B'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY

CHECKED BY

DATE
March 6th, 2020

JOB NO.
753

SHEET

P1.2

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 Piping:

2..1.2.1 Cast Iron: Standard weight, no–hub cast iron soil and vent pipe, coated inside and out, conforming to CISPI 301, for all soil and waste lines in or under concrete and for all vent lines 2" and larger.

2..1.2.2 Galvanized Iron: Standard weight, Schedule 40 galvanized iron conforming to ASTM A120 for all vent lines 2–1/2" or smaller.

2..1.2.3 Plastic: Subject to Owner approval, ABS plastic piping confoming to ASTM D–2751–88, Schedule 40, or PVC piping conforming to ASTM D2665–88, are acceptable for sanitary waste and vent piping. Fittings: Drainage fittings to match pipe.

2..1.3 Gas Piping:

2..1.3.1 Gas Piping, interior above slab: Schedule 40 black steel conforming to ASTM A53. Fittings shall conform to the following:

2..1.3.1.1 Pipe 1–1/2" and Smaller: 150 psi, black malleable iron, conforming to ANSI B16.3, 150 psi SWP.

2..1.3.1.2 Pipe 2" and Larger: Black steel seamless welding fittings conforming to ANSI B16.9 and USAS B16.25, 150 psi SWP.

2..1.3.1.3 Unions: Black malleable iron screwed connections, ground iron–to–bronze seat, conforming to ASTM A47, 250 psi SWP.

2..1.3.1.4 Flanges: Black forged steel with weld neck flanges conforming to ANSI B16.5, 150 psi SWP.

2..1.3.2 Gas Piping, above grade or slab, exterior: Schedule 40 galvanized steel, conforming to ASTM A53. Fittings: 150# galvanized steel screwed fittings.

2..1.3.3 Gas piping, below grade or slab: Polyethylene (PE) pipe, conforming to ASTM D2513, with heat fused joints. Installed in accordance with IAPMO IS 12–83. All piping installed below slab shall be properly sleeved and vented. Verify proposed installation is acceptable to Authority Having Jurisdiction prior to construction.

2..1.3.3.4 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 and 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..4.4 Gas Valves, 3/4" and Smaller: Milwaukee BB–1–102.

2..4.5 Gas Valves, 1" to 1–1/2": Rockwell–Nordstrom #142 with #555 lubricant for natural gas service.

2..4.6 Gas Valves, 2" and Larger: Rockwell–Nordstrom #143 with #555 lubricant for natural gas service.

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 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:

Plumbing Fixtures: American Standard, Kohler, Eljer.

Stainless Steel Sinks: Just, Elkay, Moen.

Electric Water Coolers: Elkay, Oasis, Halsey Taylor.

Mop Sinks: Fiat, Swan, Mustee.

Water Heaters: Rheem, A.O. Smith, American Mor–Flo.

Flush Valves: Sloan, Zurn, Toto.

Valves: Crane, Kennedy, Stockham, Grinnell, Milwaukee, Wolverine.

Hose Bibbs: Acorn, Chicago, Woodford.

P–Traps: Crane. Kohler, Eljer, Frost, McGuire.

Supply Fittings: Chicago, American Standard, Eljer, Speakman, Kohler.

Supply Stops: Eastman, Kohler, Eljer, Brasscraft, McGuire.

Closet Seats: Sperzel, Olsonite, Beneke, Bemis.

Drains and Cleanouts: J. R. Smith, Zurn, Josam, Wade, Western.

Hangers: Grinnell, Fee & Mason, Elcen, Kin–Line, F & S, B–Line, Michigan.

2.7 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. See Plumbing Fixture Specification Schedule for complete fixture specifications.

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..1.5 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 provide a dosage of not 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 Electrical: Wiring by Electrical Contractor.

PLUMBING FIXTURE SPECIFICATIONS

SYMBOL	DESCRIPTION
WC1	WATER CLOSET (ADA COMPLIANT): FIXTURE: AMERICAN STANDARD 3461.001, 16–1/2" HIGH FLOOR MOUNTED, SIPHON JET, 1.28 GALLONS PER FLUSH, VITREOUS CHINA, ELONGATED BOWL, 1–1/2" TOP SPUD. SEAT: AMERICAN STANDARD 5901.100 WHITE OPEN FRONT SEAT WITH CONCEALED CHECK HINGE & WITHOUT COVER. FLUSH VALVE: HYDROTEK HB8–128 EXPOSED INFRARED BATTERY OPERATED SENSOR ACTIVATED CAST BRASS CHROME PLATED FLUSH VALVE, SLOW CLOSING, SELF CLEANING PISTON FLUSH MECHANISM WITH MECHANICAL OVERRIDE BUTTON; MAXIMUM FLUSH CYCLE OF 1.28 GPF; WITH FIELD ADJUSTABLE SENSOR RANGE. FURNISHED WITH SWEAT ADAPTER KIT AND FOUR AA ALKALINE BATTERIES.
WC2	WATER CLOSET: FIXTURE: AMERICAN STANDARD 3451.001, FLOOR MOUNTED, SIPHON JET, 1.28 GALLONS PER FLUSH, VITREOUS CHINA, ELONGATED BOWL, 1–1/2" TOP SPUD. SEAT: AMERICAN STANDARD 5901.110T WHITE OPEN FRONT SEAT WITH CONCEALED CHECK HINGE & WITHOUT COVER. FLUSH VALVE: HYDROTEK HB8–128 EXPOSED INFRARED BATTERY OPERATED SENSOR ACTIVATED CAST BRASS CHROME PLATED FLUSH VALVE, SLOW CLOSING, SELF CLEANING PISTON FLUSH MECHANISM WITH MECHANICAL OVERRIDE BUTTON; MAXIMUM FLUSH CYCLE OF 1.28 GPF; WITH FIELD ADJUSTABLE SENSOR RANGE. FURNISHED WITH SWEAT ADAPTER KIT AND FOUR AA ALKALINE BATTERIES.
WC3	WATER CLOSET (ADA COMPLIANT): 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.
U1	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. MOUNT FIXTURE AT WHEELCHAIR HEIGHT (REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHT).
L1	LAVATORY (COUNTERTOP – ADA COMPLIANT): FIXTURE: INTEGRAL BOWL BY COUNTEROP PROVIDER. FAUCET: HYDROTEK HB–1000C–LR SENSOR ACTIVATED FAUCET WITH BATTERY POWERED VALVE CONTROL MODULE. FAUCET SHALL BE SOLID BRASS CONSTRUCTION. FOUR (4) AA ALKALINE BATTERIES SHALL BE INCLUDED WITH FAUCET AND BE CONCEALED INSIDE A REMOTELY LOCATED BATTERY BOX. SOLENOID CONTROL VALVE SHALL BE ENCLOSED IN A WATER–RESISTANT HOUSING MOUNTED BENEATH THE FIXTURE, AND SHALL BE PRESET TO TIME OUT AUTOMATICALLY AFTER 30 SECONDS. FAUCET SHALL BE ADA COMPLIANT AND MEET ANSI 112.18 STANDARDS AND BE FURNISHED WITH A 0.5 GPM 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 ALL EXPOSED WATER AND WASTE PIPING WITH PLUMBEREX 2003W "HANDY–SHIELD MAXX" INSULATION WITH MODEL No. 3041 WHEELCHAIR OFFSET STRAINER INSULATOR; ALL COMPLYING WITH ASTM E 84–07/UL 723 CLASS A AND BE LISTED WITH AND MEET UPC/IAPMO. INSULATION MATERIAL SHALL BE U/V INHIBITED WITH ANTIMICROBIAL AND ANTIFUNGAL PROPERTIES.
MV1	MIXING VALVE: POWERS MODEL LFLM495–2 POINT–OF–USE THERMOSTATIC MIXING VALVE. LEAD–FREE CAST COPPER SILICON CONSTRUCTION FOR COMPLIANCE WITH LEAD FREE REQUIREMENTS. VALVE SHALL ALSO INCLUDE CORROSION RESISTANT INTERNAL COMPONENTS, INTEGRAL CHECKS, ADJUSTABLE TEMPERATURE SELECTION WITH VANDAL RESISTANT LOCKABLE HANDLE TO PREVENT TAMPERING AND SET AT 105° FROM THE FACTORY. FLOW CAPACITY OF VALVE SHALL RANGE FROM MINIMUM 0.5 GPM TO MAXIMUM 12 GPM @ 45 PSI DIFFERENTIAL. VALVE SHALL BE ASSE 1069, ASSE 1070, ASSE 1017 AND IAPMO cUPC LISTED. FURNISH 10" x 10" FRAMED STAINLESS STEEL ACCESS PANEL WITH CYLINDER LOCK.
L2	LAVATORY (COUNTERTOP– ADA COMPLIANT): FIXTURE: INTEGRAL BOWL BY COUNTEROP PROVIDER. FAUCET: AMERICAN STANDARD "RELIANT 3" #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 MAX. 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 ALL EXPOSED WATER AND WASTE PIPING WITH PLUMBEREX 2003W "HANDY–SHIELD MAXX" INSULATION WITH MODEL No. 3041 WHEELCHAIR OFFSET STRAINER INSULATOR, ALL COMPLYING WITH ASTM E 84–07/UL 723 CLASS A AND BE LISTED WITH AND MEET UPC/IAPMO. INSULATION MATERIAL SHALL BE U/V INHIBITED WITH ANTIMICROBIAL AND ANTIFUNGAL PROPERTIES.
S1	SINK (ADA COMPLIANT): FIXTURE: JUST MODEL No. SL–ADA–2125–A–GR, 21" x 25" x 5–1/2" DEEP, 18 GAUGE TYPE 304 STAINLESS STEEL, ADA COMPLIANT SELF RIMMING SINGLE COMPARTMENT SINK WITH 3–HOLE PUNCH. FAUCET: AMERICAN STANDARD "RELIANT+" MODEL 4205.000.F15, POLISHED CHROME PLATED DECK MOUNT SINGLE LEVER FAUCET WITH SWING SPOUT, INTEGRAL HOT LIMIT SAFETY STOP. 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" C.P. TAILPIECE. TRAP: McGUIRE 8912, 1–1/2" x 1–1/2" CAST BRASS P–TRAP WITH CLEANOUT PLUG AND ESCUTCHEON. INSULATE ALL EXPOSED UNDERCOUNTER WATER AND WASTE PIPING WITH PLUMBEREX 2003W "HANDY–SHIELD MAXX" INSULATION COMPLYING WITH ASTM E 84–07/UL 723 CLASS A AND BE LISTED WITH AND MEET UPC/IAPMO. INSULATION MATERIAL SHALL BE U/V INHIBITED WITH ANTIMICROBIAL AND ANTIFUGAL
MS1	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" TRAP.
EWC1	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 ~~EQUIPRESSOR~~, 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.
FD	FLOOR DRAIN: J.R SMITH 2005–A DUCO CAST IRON DRAIN BODY WITH 5" DIAMETER ADJUSTABLE NICKEL BRONZE STRAINER AND NO–HUB OUTLET CONNECTION. PROVIDE TRAP SEAL DEVICE.
HB1	HOSE BIBB: WOODFORD MODEL No. 65, NON–FREEZE TYPE, CHROME PLATED FINISH, 3/4" HOSE CONNECTION WITH INTEGRAL VACUUM BREAKER, LOOSE TEE KEY HANDLE.
HB2	HOSE BIBB: WOODFORD MODEL No. 24, CHROME PLATED FINISH, 3/4" HOSE CONNECTION WITH INTEGRAL VACUUM BREAKER, LOOSE TEE KEY HANDLE.
IM	ICE MAKER BOX: SPECIALTY PRODUCTS MODEL P4129, WITH ADJUSTABLE FRAME AND VALVE.

FIXTURE CONNECTION SCHEDULE

MARK	DESCRIPTION	TRAP SIZE	W	V	CW	HW	REMARKS
WC1	WATER CLOSET (ADA)	INTEGRAL	3"	2"	1"	–	FLOOR MOUNT, FLUSH VALVE
WC2	WATER CLOSET	INTEGRAL	3"	2"	1"	–	FLOOR MOUNT, FLUSH VALVE
WC3	WATER CLOSET (ADA)	INTEGRAL	3"	2"	1/2"	–	FLOOR MOUNT, FLUSH TANK
U1	URINAL (ADA)	INTEGRAL	2"	1–1/2"	3/4"	–	ADA COMPLIANT, WALL HUNG
L1	LAVATORY (ADA)	1–1/4"x 1–1/2"	2"	1–1/2"	1/2"	1/2"	INTEGRAL BOWL, SENSOR FAUCET
L2	LAVATORY (ADA)	1–1/4"x 1–1/2"	2"	1–1/2"	1/2"	1/2"	INTEGRAL BOWL
S1	SINK (ADA)	1–1/2"	2"	1–1/2"	1/2"	1/2"	STAINLESS STEEL SINGLE COMPARTMENT
MS1	MOP SINK	2"	2"	1–1/2"	1/2"	1/2"	FLOOR TYPE
EWC1	ELECTRIC WATER COOLER	1–1/4"x 1–1/2"	2"	1–1/2"	1/2"	–	ADA COMPLIANT SPLIT LEVEL
HB1	HOSE BIBB	–	–	–	3/4"	–	NON–FREEZE WITH INTEGRAL VACUUM BREAKER
HB2	HOSE BIBB	–	–	–	3/4"	–	WITH INTEGRAL VACUUM BREAKER
FD	FLOOR DRAIN	2"	2"	1–1/2"	–	–	PROVIDE TRAP SEAL DEVICE
IM	ICEMAKER BOX	–	–	–	1/2"	–	

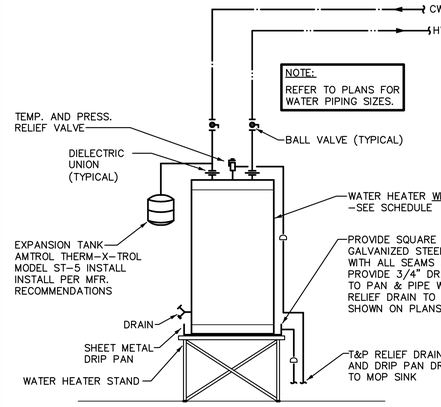
ELECTRIC WATER HEATER SCHEDULE

MARK	MANUFAC.	MODEL	STORAGE CAPACITY IN GALS.	KW INPUT	VOLTAGE/ PHASE	GALLON PER HR. REC. AT 100° T.R.	WATER OUTLET TEMP °F	REMARKS
WH–1	RUUD	EGSP30	30	2	120	8.2	140	

TANKLESS ELECTRIC WATER HEATER SCHEDULE

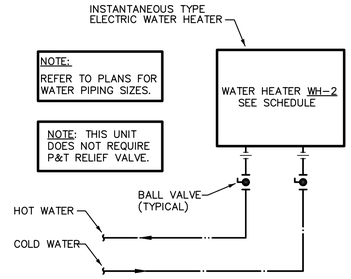
MARK	MANUFACTURER	MODEL	VOLTAGE	KW	NOTES
WH–2	STEIBEL ELTRON	DHC 3–2	208 / 1	2.5	COMPLETE WITH FLOW SWITCH

NOTE:
EXPANSION TANK SHALL BE SUPPORTED INDEPENDANTLY OF THE WATER PIPING, STRAP TO UNISTRUT MOUNTED ON WALL.



ELECTRIC WATER HEATER DETAIL

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WATER HEATER DETAIL

NTS

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REVISIONS	BY
07-08-20 CITY COMMENTS	JWS

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Registered Professional Engineer — 33491 — WILLIAM MARK ODELL — Date Signed 07/10/20 — Not for Construction — ARIZONA U.S.A.

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DRAWING: Plumbing Schedules
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314
APN: 103-71-001F

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CHECKED BY	
DATE	March 6th, 2020
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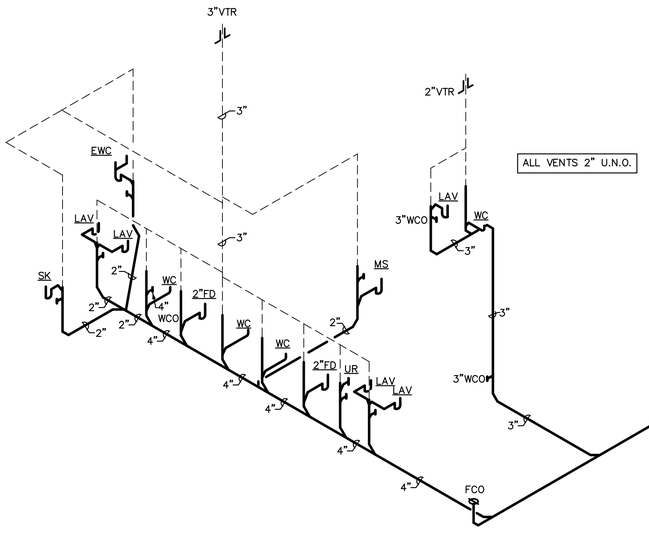
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33491
WILLIAM MARK ODELL
Date Signed 07/10/20
ARIZONA U.S.A.

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.



WASTE AND VENT SCHEMATICS

NTS

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ARCHITECTURE & PLANNING

DRAWING: Plumbing Schematics

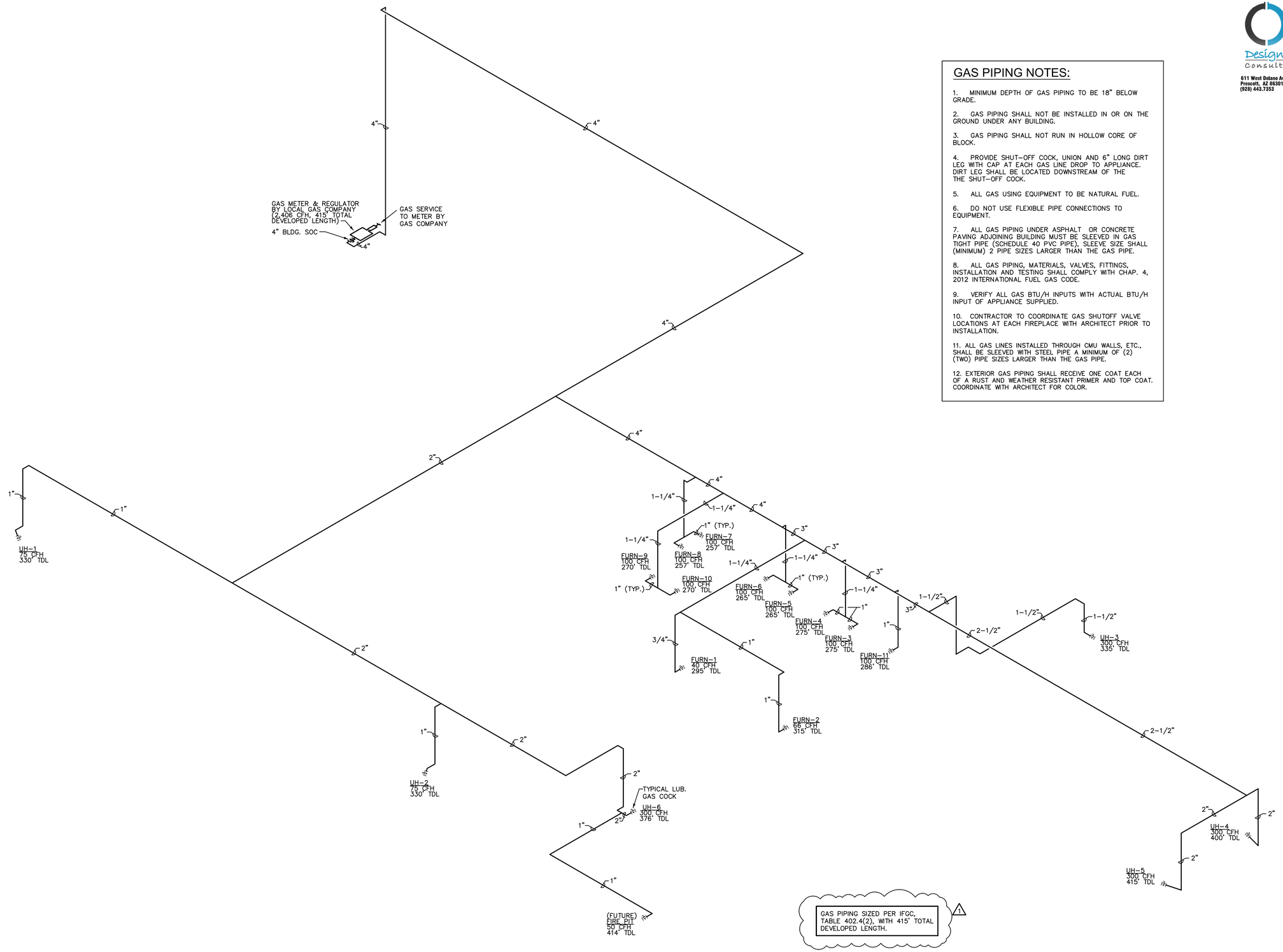
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY
CHECKED BY
DATE March 6th, 2020
JOB NO. 753
SHEET

P3.1

Mar 11, 2020 - 3:04pm



GAS PIPING SIZED PER IFGC, TABLE 402.4(2), WITH 415' TOTAL DEVELOPED LENGTH. 1

GAS PIPING DIAGRAM

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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. DIRT LEG SHALL BE LOCATED DOWNSTREAM OF THE THE SHUT-OFF COCK.
5. ALL GAS USING EQUIPMENT TO BE NATURAL 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, 2012 INTERNATIONAL FUEL GAS CODE.
9. VERIFY ALL GAS BTU/H INPUTS WITH ACTUAL BTU/H INPUT OF APPLIANCE SUPPLIED.
10. CONTRACTOR TO COORDINATE GAS SHUTOFF VALVE LOCATIONS AT EACH FIREPLACE WITH ARCHITECT PRIOR TO INSTALLATION.
11. 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.
12. EXTERIOR GAS PIPING SHALL RECEIVE ONE COAT EACH OF A RUST AND WEATHER RESISTANT PRIMER AND TOP COAT. COORDINATE WITH ARCHITECT FOR COLOR.

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ARCHITECTURE & PLANNING

DRAWING: Plumbing Schematics

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

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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
- J — 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

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

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, FLEXIBLE CONDUIT, OR NM CABLES.
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

NOTE:

1.) ALL SUB–PANELS, SERVICE EQUIPMENT, AND EQUIPMENT DISCONNECTS SHALL BE PROVIDED WITH THE WORKING CLEARENCES REQUIRED BY THE LATEST ADOPTED NEC.

SITE RELATED WORK

PRIOR TO COMMENSING WORK AND/OR SUBMITTING BASE BID, THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY HIMSELF TO EXISTING WORK RELATED CONDITIONS WITH REGARDS TO THE FOLLOWING:

1 TRENCH AND BACKFILL FOR CONDUITS PER UTILITY CO. REQUIREMENTS. (FIELD VERIFY)

2 TRANSFORMER MOUNTING PAD PER UTILITY CO. REQUIREMENTS.

3 PROVIDE SECONDARY AND/OR PRIMARY CONDUITS. (SEE ONE LINE DIAGRAM).

4 SERVICE ENTRANCE SECTION (S.E.S.). VERIFY PROPOSED EQUIPMENT WILL FIT THE SPACE ALLOTED PRIOR TO ORDERING AND/OR CONSTRUCTION.

5 P.V.C. TELEPHONE CONDUIT WITH PULL WIRE AND RIGID FACTORY STEEL BENDS PER TELEPHONE CO. REQUIREMENTS. (SIZE AS NOTED OR REQUIRED BY UTILITY VERIFY PRIOR TO INSTALLATION).

6 THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND COMPLIANCE WITH ALL UTILITY COMPANIES REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO ANY AND ALL ADDITIONAL COSTS FOR MATERIAL AND LABOR FOR WORK WHETHER SHOWN ON THE PLANS OR NOT. ACTUAL ROUTING, CONDUIT, TRENCH AND PAD REQUIREMENTS SHALL BE AS SPECIFIED BY UTILITY COMPANIES. VERIFY REQUIRMENTS WITH UTILITIES PRIOR TO INSTALLATION.

7 WHERE APPLICABLE, PROVIDE EQUIPMENT GROUNDING (BOND) CONDUCTOR FOR METALLIC PROCESSING AND FIRE SPRINKLER PIPING PER NEC 250–80 AND SIZED PER NEC 250–95 TABLE.

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 MIN.

OUTLET MOUNTING HEIGHTS PER AMERICAN DISABILITY ACT

ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE 2010 ADA SAD REQUIREMENTS FOR ALL SWITCHES. RECEPTACLES, TELE./DATA AND SIDE REACH CONTROL SWITCHES. ALL WALL CONTROLS, SWITCHES AND THERMOSTATS TO BE MOUNTED WITH TOP OF J–BOX AT 48" A.F.F. ALL ABOVE COUNTER CONTROLS, SWITCHES & OUTLETS TO BE MOUNTED WITH HORIZONTAL ORIENTATION WITH TOP OF J–BOX AT 44" A.F.F.. ALL WALL OUTLETS TO BE MOUNTED AT 15" A.F.F. TO BOTTOM OF J–BOX.

SPECIAL REQUIREMENTS PER: THE FAIR HOUSING ACT.

ALL RECEPTACLES AT RESTROOM LAVATORIES TO BE GFCI TYPE. ALL WALL CONTROLS, SWITCHES AND THERMOSTATS TO BE MOUNTED WITH TOP OF J–BOX AT 48" A.F.F. ALL ABOVE COUNTER CONTROLS, SWITCHES & OUTLETS TO BE MOUNTED WITH HORIZONTAL ORIENTATION WITH TOP OF J–BOX AT 44" A.F.F. ALL WALL OUTLETS TO BE MOUNTED AT 15" A.F.F. TO BOTTOM OF J–BOX.

1

FIRE WALL/FLOOR PENETRATION

ALL PENETRATIONS OF FIRE RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALL–ATION DETAIL THAT CONFORM TO UNDERWRITERS LABOR–ATORY'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.

FIRE ALARM SYSTEM SPECIFICATION

A COMPLETE OPERATIONAL MANUAL/AUTOMATIC FIRE ALARM SYSTEM TO BE MONITORED AS DIRECTED BY OWNER SHALL BE FURNISHED AND INSTALLED, AS REQUIRED FOR THIS TYPE OF BUILDING IN ACCORDANCE WITH STATE AND/OR LOCAL CODE AND AS APPROVED BY THE CODE ENFORCING AUTHORITY HAVING JURISDICTION. THE FIRE ALARM CONTROL PANEL SHALL BE LOCATED AS DIRECTED BY THE ENFORCING AUTHORITY. (CONNECT TO CIRCUIT LA–5). FIRE ALARM CONTRACTOR SHALL PROVIDE SPEC'S., DRAWINGS OF DEVICE LOCATIONS AND CUT SHEETS OF DEVICES TO FIRE MARSHALL FOR APPROVAL PRIOR TO INSTALLATION.

ONE LINE GENERAL NOTES:

1. SYSTEM SHOWN IS A TWO TIER SERIES RATED SYSTEM 65/10K. MANUFACTURER SHALL PROVIDE A UL LISTED SYSTEM TO MATCH THIS RATING.
2. MOTOR SHORT CIRCUIT CONTRIBUTION IS LESS THAN 1% OF SYSTEM SHORT CIRCUIT AMPS.
3. NO DESIGN CHANGES MAY BE MADE TO THE SYSTEM WITHOUT THE PRIOR APPROVAL OF THE DESIGN ELECTRICAL ENGINEER AND THE ELECTRICAL INSPECTOR

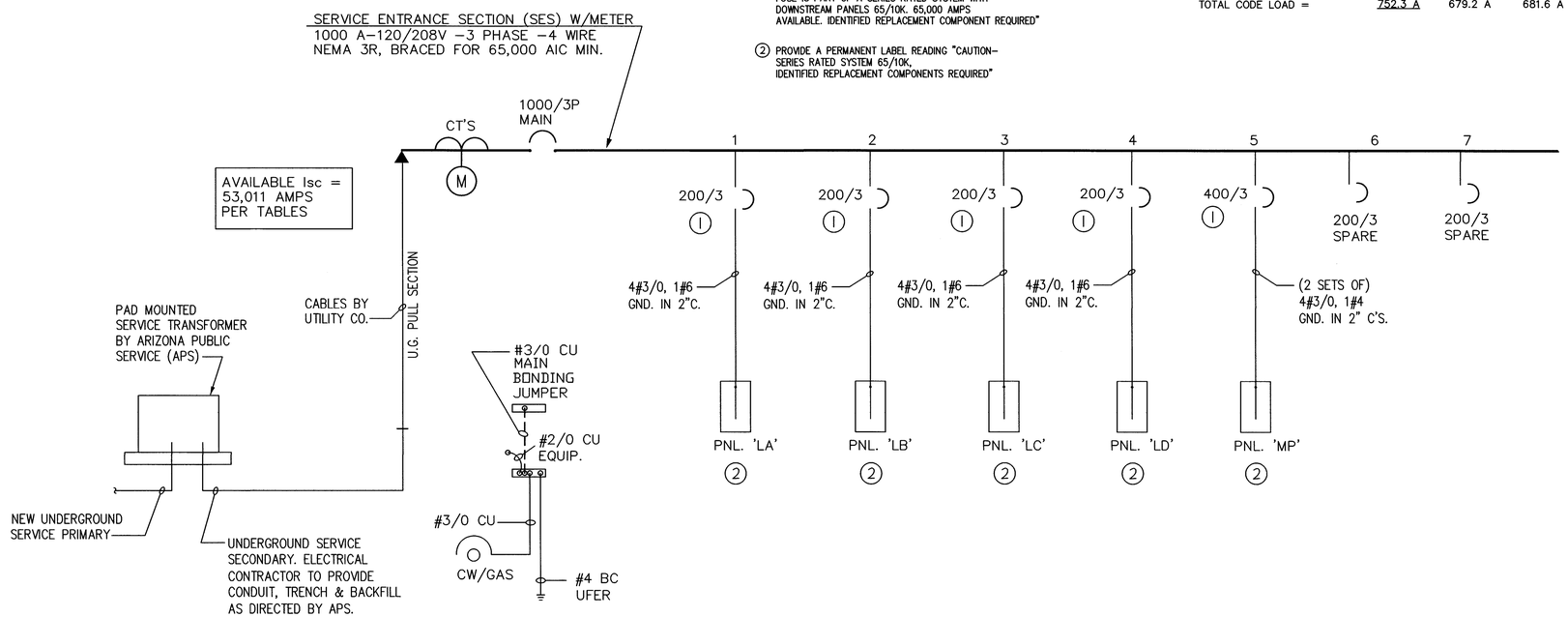
ONE LINE KEYNOTES:

(1) PROVIDE A PERMANENT LABEL READING "THIS CIRCUIT FUSE IS PART OF A SERIES RATED SYSTEM WITH DOWNSTREAM PANELS 65/10K, 65,000 AMPS AVAILABLE. IDENTIFIED REPLACEMENT COMPONENT REQUIRED"

(2) PROVIDE A PERMANENT LABEL READING "CAUTION– SERIES RATED SYSTEM 65/10K, IDENTIFIED REPLACEMENT COMPONENTS REQUIRED"

ELEC. LOAD CALCULATIONS

		øA	øB	øC
PANEL	'LA'	103.1 A	101.7 A	98.0 A
PANEL	'LB'	71.8 A	46.5 A	59.9 A
PANEL	'LC'	108.4 A	82.9 A	81.8 A
PANEL	'LD'	95.8 A	93.5 A	89.0 A
PANEL	'MP'	373.2 A	354.6 A	352.9 A
TOTAL CODE LOAD =		752.3 A	679.2 A	681.6 A



ELECTRICAL ONE - LINE DIAGRAM

N.T.S.

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JOB# 20–13

REVISIONS	BY
1 CITY COMMENTS 6–7–2020	A.O.

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REGISTERED ELECTRICAL ENGINEER — CERTIFICATE NO. 7450 — ANGELO OSSANNA — Date Signed 7/8/20 — REVISIONS — U.S.A.

EXPIRES 12/30/2021

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ARCHITECTURE & PLANNING

DRAWING: Electrical One-Line Diagram, Symbols, Spec's, & Notes

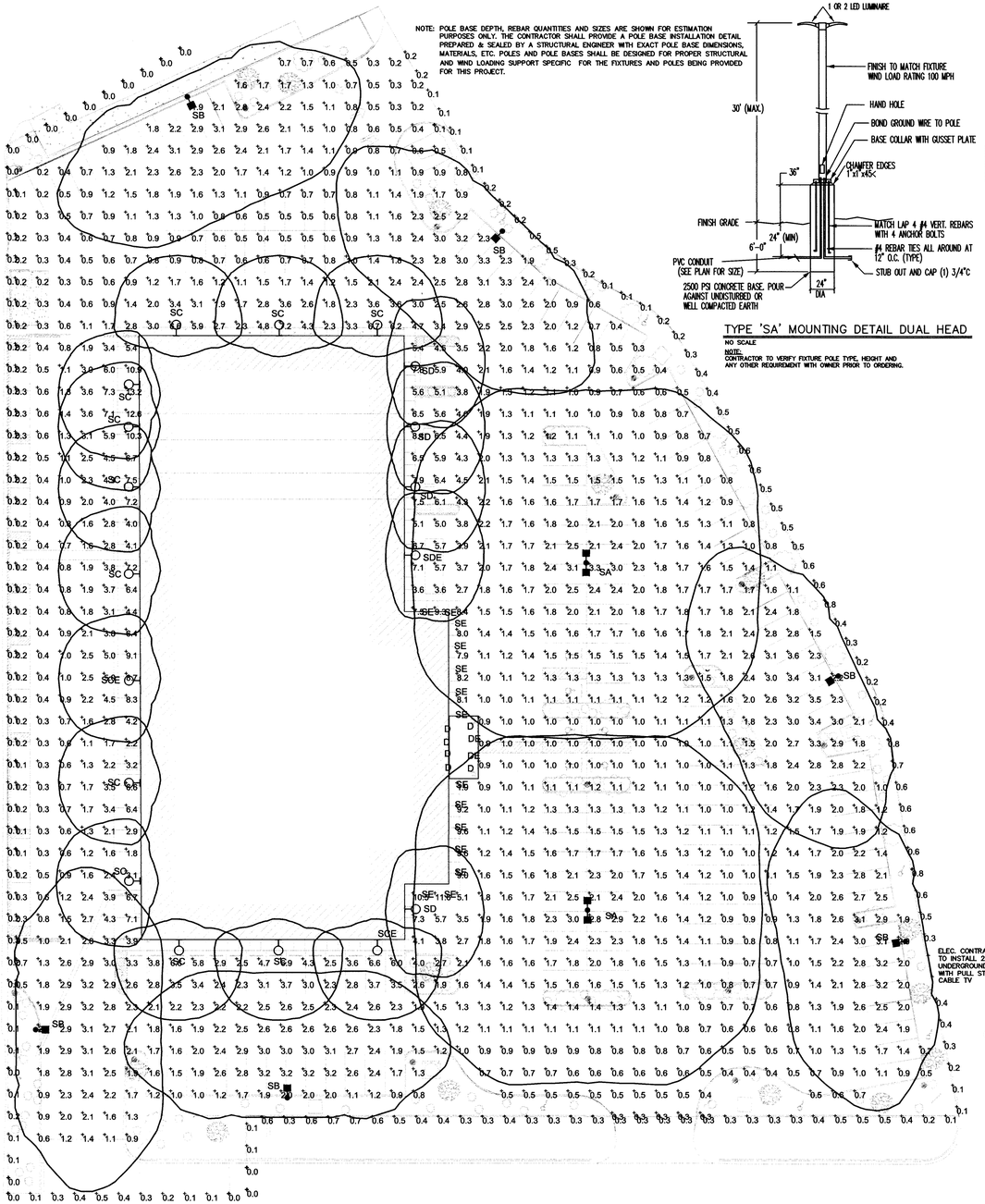
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY	
CHECKED BY	
DATE	March 6th, 2020
JOB NO.	753
SHEET	E1.0

Jul 06, 2020 - 8:31pm

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.



TYPE 'SA' MOUNTING DETAIL DUAL HEAD

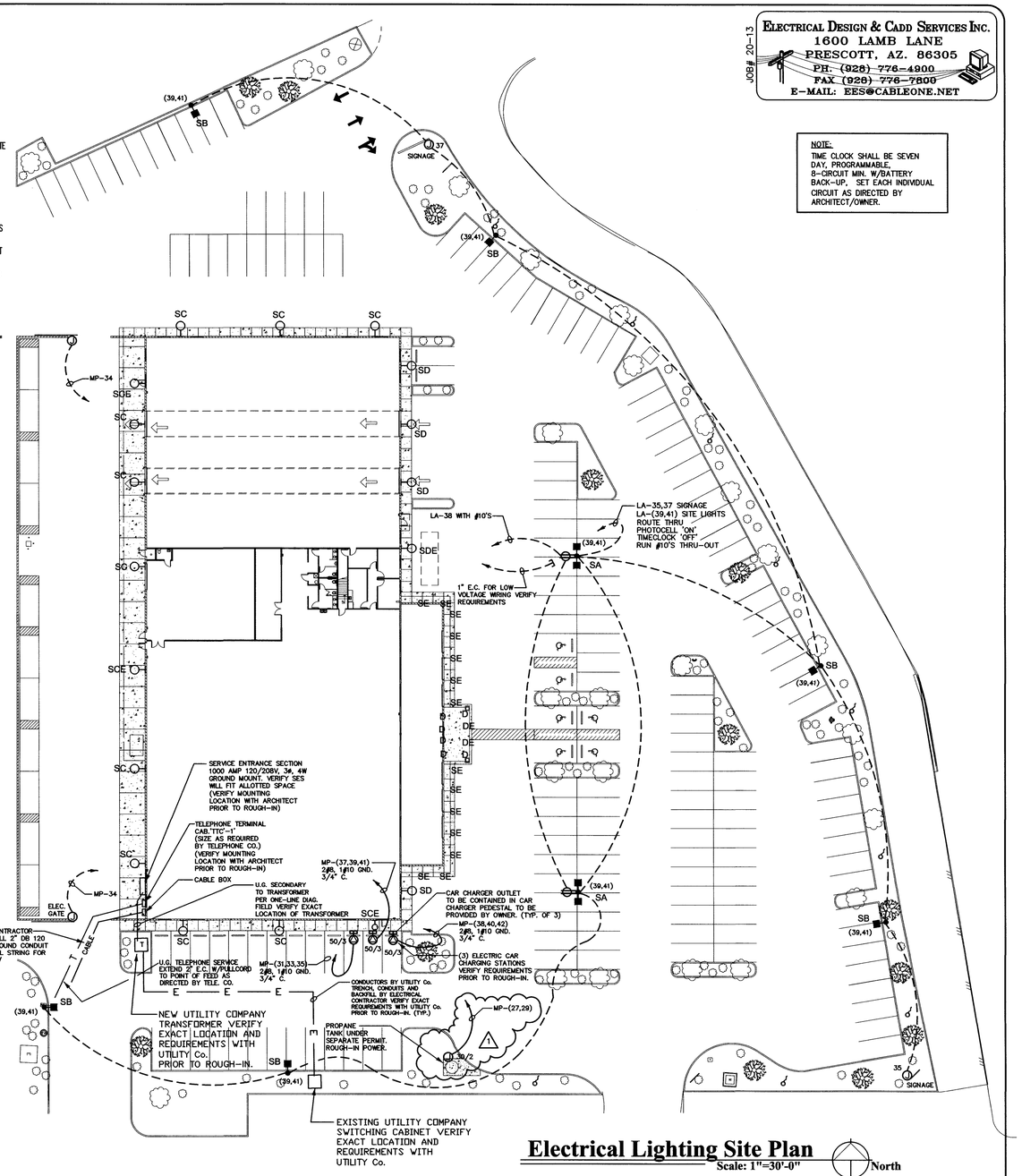
NO SCALE

NOTE:
CONTRACTOR TO VERIFY FIXTURE POLE TYPE, HEIGHT AND ANY OTHER REQUIREMENT WITH OWNER PRIOR TO ORDERING.

Photometrics Lighting Site Plan

Scale: 1"=30'-0"

North



Electrical Lighting Site Plan

Scale: 1"=30'-0"

North

Schedule										
Symbol	Label	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Note
	SA	Lithonia Lighting	DSX1 LED P7 30K T5W MVOLT SPA (FINISH) / SSS 27.5" POLE WITH 2.5" BASE	DSX1 LED P7 30K T5W MVOLT	3000K LED	1	19850	0.91	366	FIXTURES TO BE PROVIDED BY OWNER (TYPICAL)
	SB	Lithonia Lighting	DSX1 LED P7 30K BLC MVOLT SPA (FINISH) / SSS 27.5" POLE WITH 2.5" BASE	DSX1 LED P7 30K BLC MVOLT	3000K LED	1	15779	0.91	183	
	SC	Lithonia Lighting	WDGE2 LED P5 30K 80CRI VF MVOLT SRM (FINISH)	WDGE2 LED WITH P5 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT FORWARD OPTIC - AT 18'	3000K LED	1	5771	0.91	48.44	
	SCE	Lithonia Lighting	WDGE2 LED P5 30K 80CRI VF MVOLT SRM E10WH (FINISH)	WDGE2 LED WITH P5 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT FORWARD OPTIC - AT 18'	3000K LED	1	5771	0.91	48.44	
	SD	Lithonia Lighting	WDGE2 LED P5 30K 80CRI VW MVOLT SRM (FINISH)	WDGE2 LED WITH P5 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT WIDE OPTIC - AT 18'	3000K LED	1	5921	0.91	48.44	
	SDE	Lithonia Lighting	WDGE2 LED P5 30K 80CRI VW MVOLT SRM E10WH (FINISH)	WDGE2 LED WITH P5 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT WIDE OPTIC - AT 18'	3000K LED	1	5921	0.91	48.44	
	SE	Lithonia Lighting	LDN6 30/10 L06AR LSS MVOLT GZ10	6IN LDN, 3000K, 1000LM, CLEAR, SEMI--SPECULAR REFLECTOR, CRI80 - AT 10'	3000K LED	1	938	0.91	10.44	

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JOB# 20-13

NOTE:
TIME CLOCK SHALL BE SEVEN DAY, PROGRAMMABLE, 8-CIRCUIT MIN. W/BATTERY BACK-UP. SET EACH INDIVIDUAL CIRCUIT AS DIRECTED BY ARCHITECT/OWNER.

REVISIONS	BY
1 QTY COMMENTS 7-6-2020	A.O.

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Professional Engineer — CERTIFICATE No. 7450 — ANGELO OSSANNA — Date Signed 11-6-20 — ARIZONA, U.S.A.

EXPIRES 12/30/2021

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ARCHITECTURE & PLANNING

DRAWING: Electrical Lighting Site Plan

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY

CHECKED BY

DATE March 6th, 2020

JOB NO. 753

SHEET

E1.1

Jul 08, 2020 - 11:34am

ELECTRICAL CONTRACTOR SHALL PROVIDE & INSTALL 20/2P LIGHTING CONTACTORS FOR HIGH-BAY FIXTURES 'B' ROUTE THRU SWITCHES 'a','b','c' & 'd' IN RETAIL AREA 101 & STORAGE 102

LA-29 ROUTE THRU PHOTOCELL 'ON' TIMECLOCK 'OFF' WITH BY-PASS 'HOT' WIRE FOR EMERGENCY FIXTURES.

CONTINUE ON SHEET E1.3

LA-1,3 SWITCH 'd'

LA-17,19

LA-27

LA-5,7 SWITCH 'c'

LA-9,11 SWITCH 'b'

LA-13,15 SWITCH 'a'

LA-25,27

LB-29

ROUTE TO UPPER FLOOR FIXTURES

TO STAIRWAY LIGHT FIXTURE

TO UPPER LEVEL LTS

CONTINUE ON SHEET E1.3

Lighting First Floor Plan - A

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

Plan North

NOTE TO ELECTRICAL CONTRACTOR
"ADDITIONAL EXIT SIGNS MAY BE REQUIRED BY THE FIRE MARSHALL & BUILDING OFFICIALS UPON INSPECTION".

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.

DOWN TO LIGHT FIXTURES ON LOWER LEVEL ROOM 119

DOWN TO 3-WAY SWITCH BELOW

Screen Storage Lighting 2nd Floor Plan

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

Plan North

TO 3-WAY SWITCHING FOR STORAGE ROOM

TO LOWER LEVEL LTS

Lighting 2nd Floor Plan

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

Plan North

Key Plan

Scale: n.t.s.

Plan North

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JOB# 20-13

REVISIONS	BY
1 CITY COMMENTS 6-7-2020	A.O.

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Professional Engineer Certification
CERTIFICATE NO. 7450
ANGELO OSSANNA
Date Signed 7/8/20
ARIZONA U.S.A.
EXPIRES 12/30/2021

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ARCHITECTURE & PLANNING

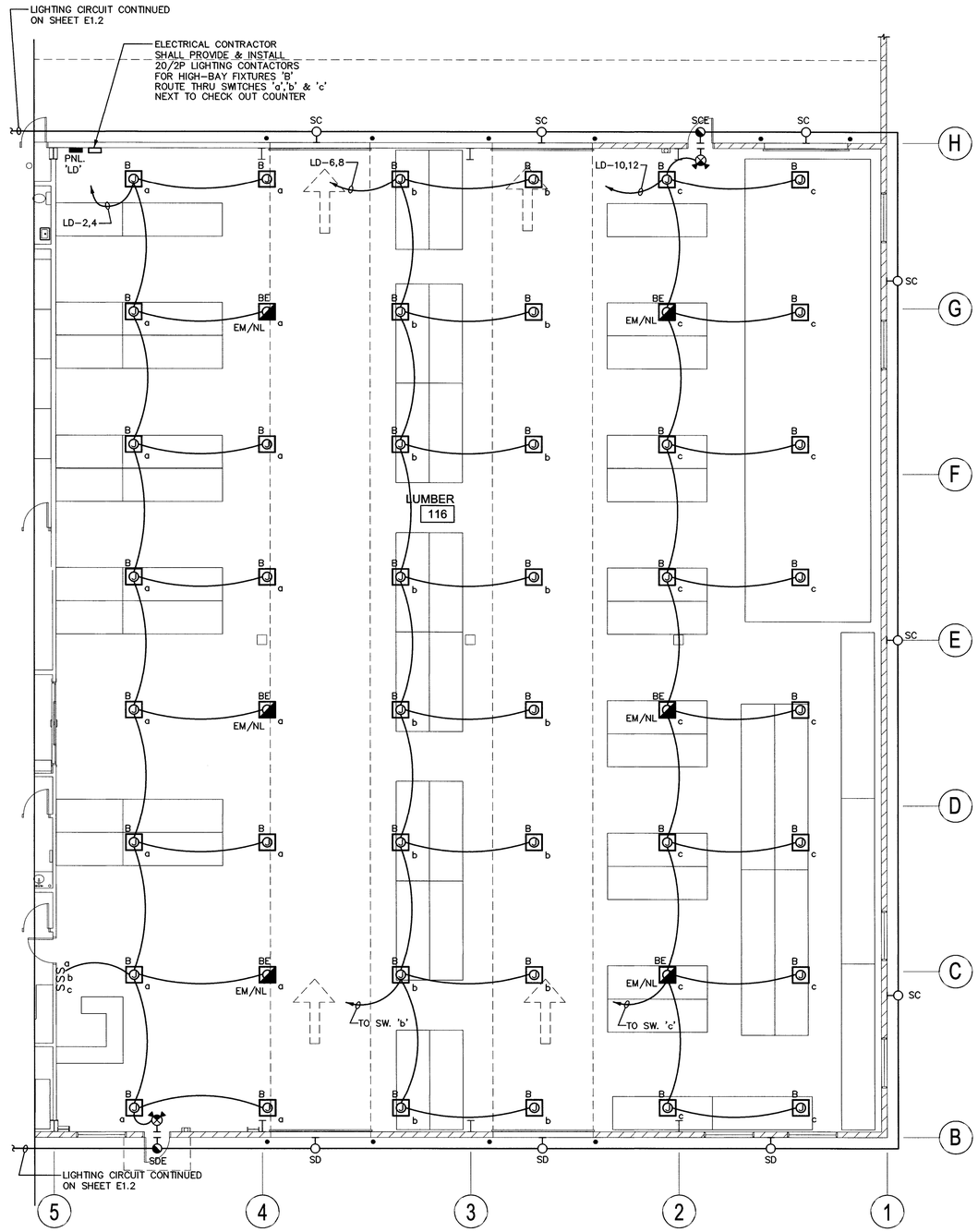
DRAWING: Lighting Floor Plan 'A'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY	
CHECKED BY	
DATE	March 6th, 2020
JOB NO.	753
SHEET	E1.2

Jul 06, 2020 - 8:10pm



Lighting First Floor Plan - B

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

Plan North

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.

Interior Schedule

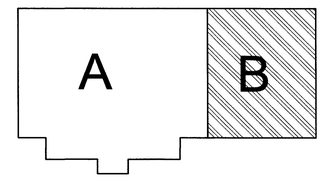
Symbol	Label	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage	Note
	A	Lithonia Lighting	2BLT2 33L ADP EZ1 LP840	BLT 2X2, 3300 Nominal Lumens, Curved Linear Prismatic lens, 4000K CCT	4000K LED	1	2BLT2_33L_ADP_LP840.ies	3385	0.91	26.27	FIXTURES TO BE PROVIDED BY OWNER (TYPICAL)
	AE	Lithonia Lighting	2BLT2 33L ADP EZ1 LP840 EL14LSD	BLT 2X2, 3300 Nominal Lumens, Curved Linear Prismatic lens, 4000K CCT, With Emergency Battery Back-up	4000K LED	1	2BLT2_33L_ADP_LP840.ies	3385	0.91	26.27	
	B	Lithonia Lighting	IBE L24 22000LM ATC MD 208V GZ10 40K 80CRI DWH	IBE LED high bay, 24", 22,000 lumens, acrylic textured lens, medium distribution, 40K 80CRI	4000K LED	1	IBE_L24_22000LM_ATC_MD_XXXX_40K_80CRI.ies	21069	0.91	164.65	
	BE	Lithonia Lighting	IBE L24 22000LM ATC MD 208V GZ10 40K 80CRI DWH E15WCP	IBE LED high bay, 24", 22,000 lumens, acrylic textured lens, medium distribution, 40K 80CRI With Emergency Battery Back-up	4000K LED	1	IBE_L24_22000LM_ATC_MD_XXXX_40K_80CRI.ies	21069	0.91	164.65	
	C	Lithonia Lighting	LDN6 40/07 L06AR LSS MVOLT GZ10	6IN LDN, 4000K, 750LM, CLEAR, SEMI-SPECULAR REFLECTOR, CRI80	4000K LED	1	LDN6_40_07_L06AR_LSS.ies	759	0.91	8.91	
	D	Lithonia Lighting	LDN6 40/15 L06AR LSS MVOLT GZ10	6IN LDN, 4000K, 1500LM, CLEAR, SEMI-SPECULAR REFLECTOR, CRI80	4000K LED	1	LDN6_40_15_L06AR_LSS.ies	1516	0.91	17.52	
	E	Lithonia Lighting	LDN6 40/20 L06AR LSS MVOLT GZ10	6IN LDN, 4000K, 2000LM, CLEAR, SEMI-SPECULAR REFLECTOR, CRI80	4000K LED	1	LDN6_40_20_L06AR_LSS.ies	2009	0.91	22.52	
	F	Lithonia Lighting	CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI (FINISH)	CLX LED Linear 48" 3,000 lumens, Standard Efficiency, Less louver, Flat diffuse lens, General distribution, MVOLT, 0-10V dimming, 4000 CCT, 80 CRI	4000K LED	1	CLX_L48_3000LM_SEF_FDL_MVOLT_GZ10_40K_80CRI.ies	2813	0.91	20.32	
	FE	Lithonia Lighting	CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI (FINISH) E10WLCP	CLX LED Linear 48" 3,000 lumens, Standard Efficiency, Less louver, Flat diffuse lens, General distribution, MVOLT, 0-10V dimming, 4000 CCT, 80 CRI With Emergency Battery Back-up	4000K LED	1	CLX_L48_3000LM_SEF_FDL_MVOLT_GZ10_40K_80CRI.ies	2813	0.91	20.32	
	G	Brownlee Lighting Inc	5160-24-(FINISH)-H13-(END CAP)-40K	Formed steel housing, frosted plastic lens enclosure	4000K LED	1	5160-24-H13-35K.ies	1659	0.91	15.92	

Exterior Schedule

Symbol	Label	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Note
	SA	Lithonia Lighting	DSX1 LED P7 30K T5W MVOLT SPA (FINISH) / SSS 27.5' POLE WITH 2.5' BASE	DSX1 LED P7 30K T5W MVOLT	3000K LED	1	19850	0.91	366	FIXTURES TO BE PROVIDED BY OWNER (TYPICAL)
	SB	Lithonia Lighting	DSX1 LED P7 30K BLC MVOLT SPA (FINISH) / SSS 27.5' POLE WITH 2.5' BASE	DSX1 LED P7 30K BLC MVOLT	3000K LED	1	15779	0.91	183	
	SC	Lithonia Lighting	WDGE2 LED P5 30K 80CRI VF MVOLT SRM (FINISH)	WDGE2 LED WITH P5 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT FORWARD OPTIC - AT 18'	3000K LED	1	5771	0.91	48.44	
	SCE	Lithonia Lighting	WDGE2 LED P5 30K 80CRI VF MVOLT SRM E10WH (FINISH)	WDGE2 LED WITH P5 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT FORWARD OPTIC - AT 18'	3000K LED	1	5771	0.91	48.44	
	SD	Lithonia Lighting	WDGE2 LED P5 30K 80CRI VW MVOLT SRM (FINISH)	WDGE2 LED WITH P5 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT WIDE OPTIC - AT 18'	3000K LED	1	5921	0.91	48.44	
	SDE	Lithonia Lighting	WDGE2 LED P5 30K 80CRI VW MVOLT SRM E10WH (FINISH)	WDGE2 LED WITH P5 - PERFORMANCE PACKAGE, 3000K, 80CRI, VISUAL COMFORT WIDE OPTIC - AT 18'	3000K LED	1	5921	0.91	48.44	
	SE	Lithonia Lighting	LDN6 30/10 L06AR LSS MVOLT GZ10	6IN LDN, 3000K, 1000LM, CLEAR, SEMI-SPECULAR REFLECTOR, CRI80 - AT 10'	3000K LED	1	938	0.91	10.44	
	DE	Lithonia Lighting	LDN6 40/15 L06AR LSS MVOLT GZ10	6IN LDN, 4000K, 1500LM, CLEAR, SEMI-SPECULAR REFLECTOR, CRI80	4000K LED	1	1516	0.91	17.52	

EMERGENCY LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER AND MODEL NO.	VOLTS	LAMPS	MOUNTING	FINISH	REMARKS	Note
	LITHONIA LQM S W 3 R 120 EL N	120	LED – FURNISHED WITH UNIT	CEILING	WT. HOUSING RED LETTERS	EMERGENCY DOUBLE FACE EXIT SIGN WITH NI-CAD BATTERY	FIXTURES TO BE PROVIDED BY OWNER (TYPICAL)
	LITHONIA LQM S W 1 R 120 EL N	120	LED – FURNISHED WITH UNIT	WALL– 1'-0" ABOVE DOOR	WT. HOUSING RED LETTERS	SELF-POWERED EMERGENCY EXIT SIGN, NI-CAD BATTERY	
	LITHONIA LQM S W 1 R 120 EL N	120	LED – FURNISHED WITH UNIT	CEILING	WT. HOUSING RED LETTERS	SELF-POWERED EMERGENCY EXIT SIGN, NI-CAD BATTERY	
	LITHONIA LHQM S W 1 R 120 N	120	LED & (2) 6W HAL FURN'D. WITH UNIT	WALL– 1'-0" ABOVE DOOR	WT. HOUSING RED LETTERS	COMBINATION EMERGENCY/EXIT LIGHT W/ NI-CAD BATTERY	
	LITHONIA ELM627 H1206 N	120	(2) 12W/6V/MR24	WALL– 8'-0" A.F.F.	STANDARD WHITE	EMERGENCY LIGHT WITH NI-CAD BATTERY	



Key Plan

Scale: n.t.s.

Plan North

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CERTIFICATE NO. 7450 ANGELO OSSANNA 5/31/21 Date Signed Arizona, U.S.A.

EXPIRES 12/30/2021

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ARCHITECTURE & PLANNING

DRAWING: Lighting Floor Plan 'B'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY

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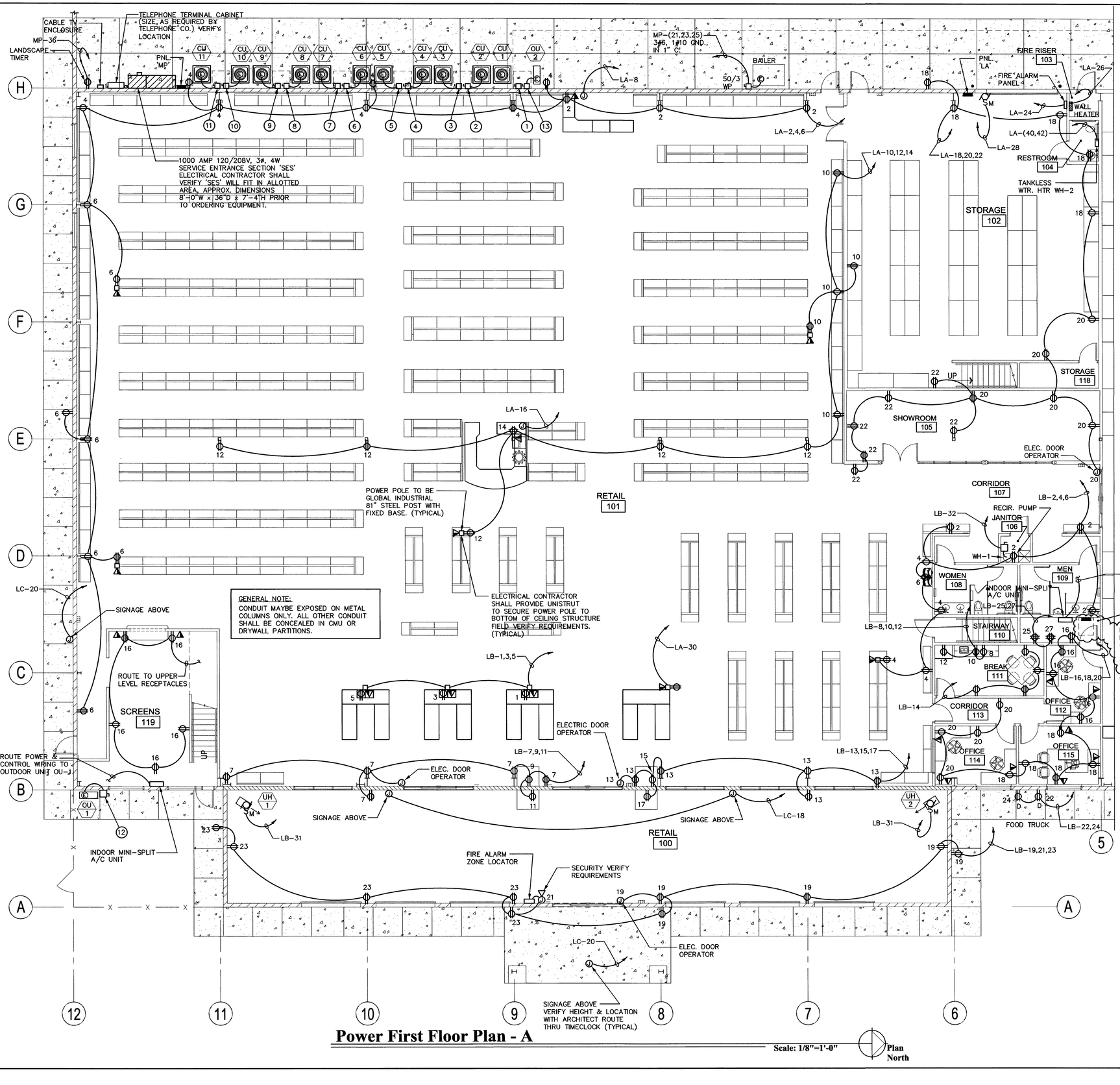
DATE March 6th, 2020

JOB NO. 753

SHEET

E1.3

May 30, 2020 - 4:32pm



GENERAL NOTE:
CONDUIT MAYBE EXPOSED ON METAL COLUMNS ONLY. ALL OTHER CONDUIT SHALL BE CONCEALED IN CMU OR DRYWALL PARTITIONS.

Power First Floor Plan - A

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

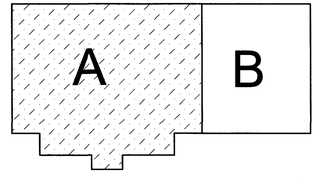
Plan North

KEYNOTES MECH. UNITS:

1. COND. UNIT CU-1 CIRCUIT MP-(1,3) 2#10, 1#10 GND., IN 3/4" CONDUIT.
2. COND. UNIT CU-2 CIRCUIT MP-(5,7) 2#8 1#10 GND., IN 3/4" CONDUIT.
3. COND. UNIT CU-3 CIRCUIT MP-(9,11) 2#6 1#10 GND., IN 1" CONDUIT.
4. COND. UNIT CU-4 CIRCUIT MP-(13,15) 2#6 1#10 GND., IN 1" CONDUIT.
5. COND. UNIT CU-5 CIRCUIT MP-(17,19) 2#6 1#10 GND., IN 1" CONDUIT.
6. COND. UNIT CU-6 CIRCUIT MP-(2,4) 2#6 1#10 GND., IN 1" CONDUIT.
7. COND. UNIT CU-7 CIRCUIT MP-(6,8) 2#6 1#10 GND., IN 1" CONDUIT.
8. COND. UNIT CU-8 CIRCUIT MP-(10,12) 2#6 1#10 GND., IN 1" CONDUIT.
9. COND. UNIT CU-9 CIRCUIT MP-(14,16) 2#6 1#10 GND., IN 1" CONDUIT.
10. COND. UNIT CU-10 CIRCUIT MP-(18,20) 2#6 1#10 GND., IN 1" CONDUIT.
11. COND. UNIT CU-11 CIRCUIT MP-(22,24) 2#8 1#10 GND., IN 3/4" CONDUIT.
12. COND. UNIT OU-1 CIRCUIT MP-(26,28) 2#10 1#10 GND.,
13. COND. UNIT OU-2 CIRCUIT MP-(30,32) 2#10 1#10 GND.,

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 +42" A.F.F.
3. ALL RECEPTACLES IN AREAS WITHIN 6'-0" OF A SINK SHALL BE GFCI TYPE PER NEC
4. EXTERIOR & ROOF MOUNTED MAINT. RECEPT'S. SHALL BE WP, GFCI TYPE PER NEC
5. VERIFY THE EXACT LOCATIONS OF ALL TELEPHONE OUTLETS, DATA OUTLETS AND SPECIAL SYSTEMS OUTLETS WITH THE ARCHITECT/OWNER PRIOR TO ROUGH-IN.
6. ELECTRICAL CONTRACTOR SHALL VERIFY MECHANICAL EQUIPMENT REQUIREMENTS BREAKER, DISC. & WIRE SIZE WITH MANUFACTURER PRIOR TO ROUGH-IN.
8. ELECTRICAL CONTRACTOR IS APPROVED TO USE SURFACE MOUNTED RECEPTACLES & CONDUIT IN BASEMENT.
9. ALL RECEPTACLES IN THE LUMBER SHOP TO BE INSTALLED AT +48" A.F.F. GFCI TYPE.



Key Plan

Scale: n.t.s.

Plan North

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JOB # 20-13

REVISIONS	BY
1 CITY COMMENTS 6-7-2020	A.O.

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Angelo O'Ossanna
CERTIFICATE NO. 7450
ANGELO OSSANNA
Date Signed 7/15/20
ARIZONA, U.S.A.
EXPIRES 12/30/2021

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ARCHITECTURE & PLANNING

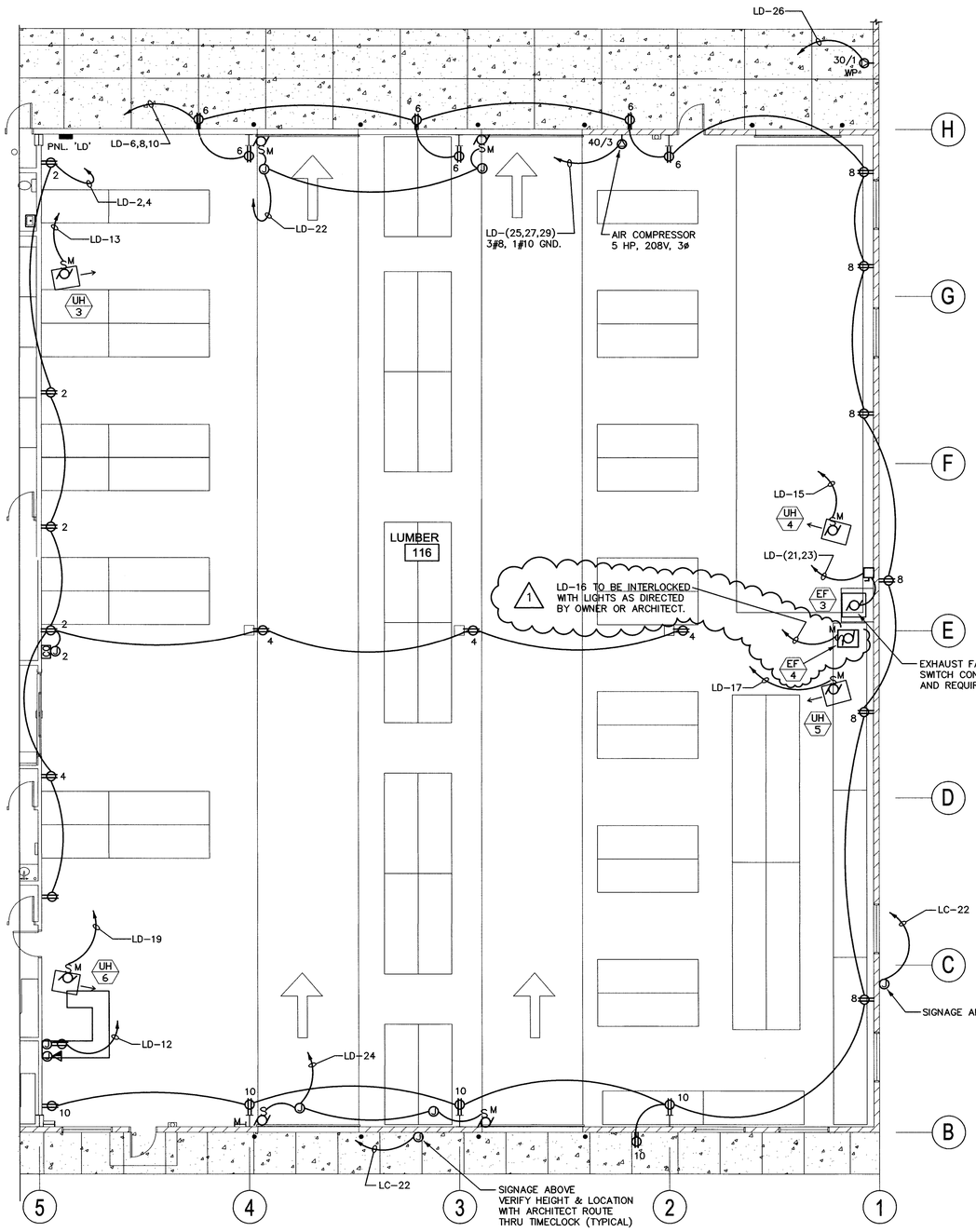
DRAWING: Power Floor Plan 'A'

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY	
CHECKED BY	
DATE	March 6th, 2020
JOB NO.	753
SHEET	E2.1

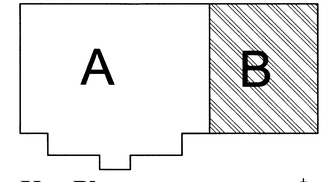
Jul 06, 2020 - 8:12pm



Power First Floor Plan - B

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

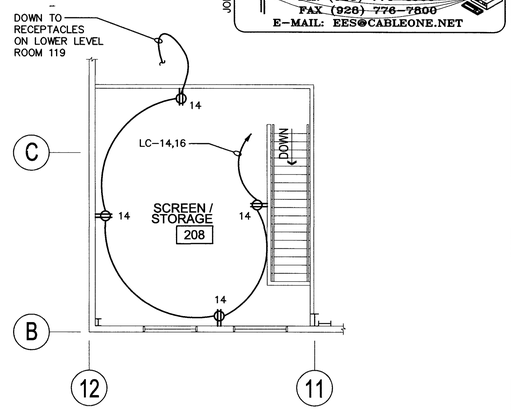
Plan North



Key Plan

Scale: n.t.s.

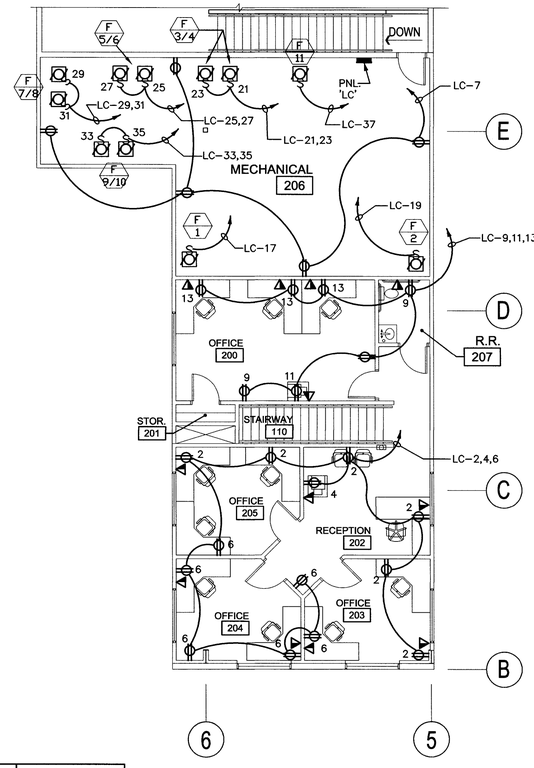
Plan North



Screen Storage Power 2nd Floor Plan

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

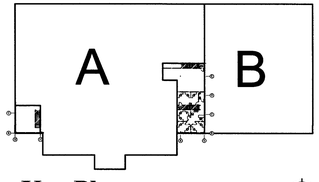
Plan North



Power 2nd Floor Plan

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

Plan North



Key Plan

Scale: n.t.s.

Plan North

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 +42" A.F.F.
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4. EXTERIOR & ROOF MOUNTED MAINT. RECEPT'S. SHALL BE WP, GFCI TYPE PER NEC
5. VERIFY THE EXACT LOCATIONS OF ALL TELEPHONE OUTLETS, DATA OUTLETS AND SPECIAL SYSTEMS OUTLETS WITH THE ARCHITECT/OWNER PRIOR TO ROUGH-IN.
6. ELECTRICAL CONTRACTOR SHALL VERIFY MECHANICAL EQUIPMENT REQUIREMENTS BREAKER, DISC. & WIRE SIZE WITH MANUFACTURER PRIOR TO ROUGH-IN.
8. ELECTRICAL CONTRACTOR IS APPROVED TO USE SURFACE MOUNTED RECEPTACLES & CONDUIT IN BASEMENT.
9. ALL RECEPTACLES IN THE LUMBER SHOP TO BE INSTALLED AT +48" A.F.F. GFCI TYPE.

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JOB# 20-13

REVISIONS	BY
1 CITY COMMENTS 6-7-2020	A.O.

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ARIZONA BOARD OF TECHNICAL REGISTRATION CERTIFICATE NO. 45040 ANGELO OSSANNA 7/8/12 Date Signed ARIZONA, U.S.A.

EXPIRES 12/30/2021

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ARCHITECTURE & PLANNING

DRAWING: Power Floor Plan 'B' & Section 'A' Second Floor Power Plan With Notes.

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY	
CHECKED BY	
DATE	March 6th, 2020
JOB NO.	753
SHEET	E2.2

Jul 14, 2020 - 10:59am

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JOB# 20-13

REVISIONS	BY
1 CITY COMMENTS 6-7-2020	A.O.

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PANELBOARD MP SCHEDULE

MAINS: 400A MLO
VOLTAGE: 120/208V, 3ø, 4W
TYPE: EATON, SQ. D OR EQUAL
LOCATION: SEE PLAN
MOUNTING: SURFACE
MIN. A.I.C.: 65K FULLY RATED

	CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	ØC	CIR. NO.	BKR.	CIRCUIT DESCRIPTION	
	CONDENSING UNIT CU-1	30	1	1740			2	50	CONDENSING UNIT CU-6	*
				3270						
	16.7 MCA, 208V, 1ø	2	3		1740		4	2	32.4 MCA, 208V, 1ø	
					3270					
	CONDENSING UNIT CU-2	40	5			2450	6	50	CONDENSING UNIT CU-7	
						2860				
	23.6 MCA, 208V, 1ø	2	7	2450			8	2	27.5 RLA, 208V, 1ø	
				2860						
	CONDENSING UNIT CU-3	50	9		2860		10	50	CONDENSING UNIT CU-8	
					2860					
	27.5 RLA, 208V, 1ø	2	11			2860	12	2	27.5 RLA, 208V, 1ø	
						2860				
	CONDENSING UNIT CU-4	50	13	2860			14	50	CONDENSING UNIT CU-9	
				2860						
	27.5 RLA, 208V, 1ø	2	15		2860		16	2	27.5 RLA, 208V, 1ø	
					2860					
	CONDENSING UNIT CU-5	50	17			2860	18	50	CONDENSING UNIT CU-10	
						2860				
	27.5 RLA, 208V, 1ø	2	19	2860			20	2	27.5 RLA, 208V, 1ø	
				2860						
	BAILER	50	21		3840		22	40	CONDENSING UNIT CU-11	
					2715					
			23			3840	24	2	26.1 RLA, 208V, 1ø	
						2715				
		3	25	3840			26	30	MINI-SPLIT CONDENSING UNIT OU-1	
				2392						
	PROPANE TANK	30	27		2250		28	2	23.0 MCA, 208V, 1ø	
					2392					
		2	29			2250	30	30	MINI-SPLIT CONDENSING UNIT OU-2	
						2392				
	CAR CHARGER SPECIAL OUTLET	50	31	4800			32	2	23.0 MCA, 208V, 1ø	
				2392						
	(VERIFY REQUIREMENTS W/OWNER)		33		4800		34	20 1	ELEC. MOTRIZED GATES	
					500					
		3	35			4800	36	20 1	LANDSCAPE TIMER	
						200				
	CAR CHARGER SPECIAL OUTLET	50	37	4800			38	50	CAR CHARGER SPECIAL OUTLET	
				4800						
	(VERIFY REQUIREMENTS W/OWNER)		39		4800		40		(VERIFY REQUIREMENTS W/OWNER)	
					4800					
		3	41			4800	42	3		
						4800				
	TOTAL LOAD PER PHASE:			44784	42547	42547	Hi# 44784 / 120 = 373.2 AMPS			

PANELBOARD LA SCHEDULE

MAINS: 200A MLO
VOLTAGE: 120/208V, 3ø, 4W
TYPE: EATON, SQ. D OR EQUAL
LOCATION: SEE PLAN
MOUNTING: SURFACE
MIN. A.I.C.: 65/10K SERIES RATED

	CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	ØC	CIR. NO.	BKR.	CIRCUIT DESCRIPTION	
*	LIGHTS - RETAIL 101	20	1	1650			2	20 1	RECEPT'S. - RETAIL 101	
				540						
		2	3		1650		4		RECEPT'S. - RETAIL 101	
					1080					
		20	5			1650	6		RECEPT'S. - RETAIL 101	
						1260				
		2	7	1650			8		SALES J-BOX - RETAIL 101	
				800						
		20	9		1850		10		RECEPT'S. - RETAIL 101	
					900					
		2	11			1850	12		RECEPT'S. - RETAIL 101	
						900				
		20	13	1850			14		RECEPT'S. - RETAIL 101	
				360						
		2	15		1850		16		SALES J-BOX - RETAIL 101	
					800					
	- STORAGE 102	20	17			925	18		RECEPT'S. - ROOM 102 & 105	
						900				
	- STORAGE 102	2	19	925			20		RECEPT'S. - ROOM 102 & 105	
				900						
	SPARE	20	21		900		22		RECEPT'S. - ROOM 102 & 105	
	SPARE	2	23			500	24		FIRE ALARM PANEL	
*	LIGHTS - RETAIL 101	20	25	1200			26		FIRE RISER ROOM WALL HEATER	
		1		1500						
*	LIGHTS - RETAIL 101		27		1200		28		OVERHEAD DOOR OPENER RM. 102	
					720					
*	LIGHTS - EXTERIOR BUILDING		29			1525	30		RECEPT. - POWER POLE	
						360				
	SPARE		31				32		SPARE	
	SPARE		33				34			
*	SIGNAGE - PARKING LOT		35			1000	36			
*	SIGNAGE - PARKING LOT		37	1000			38			
*	LIGHTS - PARKING LOT LIGHTING	20	39				40	20	TANKLESS WTR. HTR. WH-2	
					1250					
		2	41			1250	42	2	2.5 KW, 208V, 1ø	
	TOTAL LOAD PER PHASE:			12375	12200	11760	Hi# 12375 / 120 = 103.1 AMPS			

PANELBOARD LB SCHEDULE

MAINS: 200A MLO
VOLTAGE: 120/208V, 3ø, 4W
TYPE: EATON, SQ. D OR EQUAL
LOCATION: SEE PLAN
MOUNTING: SURFACE
MIN. A.I.C.: 65/10K SERIES RATED

	CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	ØC	CIR. NO.	BKR.	CIRCUIT DESCRIPTION
	RECEPT'S. - RETAIL 101	20 1	1	360			2	20 1	RECEPT'S. - GENERAL
				720					
	RECEPT'S. - RETAIL 101		3		360		4		RECEPT'S. - GENERAL
					720				
	RECEPT'S. - RETAIL 101		5			360	6		RECEPT'S. - ELEC. DRINKING FOUNTAIN
						600			
	RECEPT'S. - RETAIL 100 & 101		7	900			8		RECEPT'S. - BREAKROOM COUNTER
				1000					
	RECEPT'S. - RETAIL 100 & 101		9		500		10		RECEPT'S. - BREAKROOM COUNTER
					1000				
	RECEPT'S. - RETAIL 100		11			500	12		RECEPT'S. - BREAKROOM REFR.
						800			
	RECEPT'S. - RETAIL 100 & 101		13	900			14		RECEPT'S. - BREAKROOM
				720					
	RECEPT'S. - RETAIL 100 & 101		15		500		16		RECEPT'S. - OFFICES
					900				
	RECEPT'S. - RETAIL 100		17			500	18		RECEPT'S. - OFFICES
						900			
	RECEPT'S. - RETAIL 100		19	900			20		RECEPT'S. - OFFICES
				720					
	J-BOX FOR SECURITY SYSTEM - RM 100		21		600		22		RECEPT'S. - FOOD TRUCKS
					1000				
	RECEPT'S. - RETAIL 100		23			900	24		RECEPT'S. - FOOD TRUCKS
						1000			
	RECEPT. - IT ROOM		25	360			26		SPARE
	RECEPT. - IT ROOM		27		360		28		SPARE
*	LIGHTS - SHOWROOM, R.R. & OFFICE		29			1625	30		SPARE
	UNIT HEATER UH-1 & UH-2		31	400			32		WATER HEATER WH-1
				2000					
	SPACE		33				34		SPACE
			35				36		
			37				38		
			39				40		
			41				42		
	TOTAL LOAD PER PHASE:			8620	5580	7185	Hi# 8620 / 120 = 71.8 AMPS		

PANELBOARD LC SCHEDULE

MAINS: 200A MLO
VOLTAGE: 120/208V, 3ø, 4W
TYPE: EATON, SQ. D OR EQUAL
LOCATION: SEE PLAN
MOUNTING: SURFACE
MIN. A.I.C.: 65/10K SERIES RATED

	CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	ØC	CIR. NO.	BKR.	CIRCUIT DESCRIPTION	
*	LIGHTS - 2nd FLOOR	20 1	1	1350			2	20 1	RECEPT'S. - 2nd FLOOR OFFICES	
				1080						
*	LIGHTS - RM. 119, 208		3		675		4		RECEPT'S. - 2nd FLOOR OFFICES	
					1080					
	SPARE		5			1080	6		RECEPT'S. - 2nd FLOOR OFFICES	
	RECEPT'S. - RM. 206		7	900			8		SPARE	
	RECEPT'S. - RM. 200, 207		9		540		10		SPARE	
	RECEPT'S. - RM. 200 & COPIER RM. 200		11			800	12		SPARE	
	RECEPT'S. - RM. 200		13	540			14		RECEPT'S. - RM. 208	
				720						
	SPARE		15		900		16		RECEPT'S. - RM. 119	
	FURNACE F-1		17			1176	18		BUILDING SIGNAGE	
						1000				
	FURNACE F-2		19	1656			20		BUILDING SIGNAGE	
				1000						
	FURNACE F-3	30 1	21		1920		22		BUILDING SIGNAGE	
					1000					
	FURNACE F-4		23			1920	24		SPACE	
	FURNACE F-5		25	1920			26			
	FURNACE F-6		27		1920		28			
	FURNACE F-7		29			1920	30			
	FURNACE F-8		31	1920			32			
	FURNACE F-9		33		1920		34			
	FURNACE F-10		35			1920	36			
	FURNACE F-11		37	1920			38			
	SPACE		39				40			
	SPACE		41				42			
	TOTAL LOAD PER PHASE:			13006	9955	9816	Hi# 13006 / 120 = 108.4 AMPS			

PANELBOARD LD SCHEDULE

MAINS: 200A MLO
VOLTAGE: 120/208V, 3ø, 4W
TYPE: EATON, SQ. D OR EQUAL
LOCATION: SEE PLAN
MOUNTING: SURFACE
MIN. A.I.C.: 65/10K SERIES RATED

	CIRCUIT DESCRIPTION	BKR.	CIR. NO.	ØA	ØB	ØC	CIR. NO.	BKR.	CIRCUIT DESCRIPTION	
*	LIGHTS - LUMBER RM. 116	20	1	1650			2	20 1	RECEPT'S. -	
				720						
		2	3		1650		4			
					720					
		20	5			1650	6			
						1080				
		2	7	1650			8			
				1080						
		20	9		1650		10			
					900					
		2	11			1650	12			
	UNIT HEATER UH-3	20 1	13	696			14		J-BOX BACKFLOW PREVENTER HEAT TAPE	
				200						
	UNIT HEATER UH-4	20 1	15		696		16		EXHAUST FAN EF-4 (INTERLOCK W/LIGHTS)	1
					200					
	UNIT HEATER UH-5	20 1	17			696	18		SPARE	
	UNIT HEATER UH-6	20 1	19	696			20			
	EXHAUST FAN EF-3	20	21		1368		22		(2) OVERHEAD DOOR OPENERS	
					1440					
	2 HP, 208V, 1ø	2	23			1368	24		(2) OVERHEAD DOOR OPENERS	
						1440				
	COMPRESSOR	40	25	2800			26	30 1	PIPE THREADER	
				2200						
	5 HP, 208V, 3ø		27		2800		28		SPACE	
		3	29			2800	30			
	SPACE		31				32			
			33				34			
			35				36			
			37				38			
			39				40			
			41				42			
	TOTAL LOAD PER PHASE:			11692	11224	10684	Hi# 11492 / 120 = 95.8 AMPS			

PANELBOARD SYMBOLS

- * CONTINUOUS DUTY/LARGEST MOTOR @ 125%
- ● PROVIDE BREAKER W/ HANDLE "LOCK-ON" DEVICE
- ◆ CIRCUIT VIA TIMECLOCK
- ▲ CIRCUIT VIA PHOTOCELL
- □ SHUNT TRIP CIRCUIT BREAKER
- ⬡ KITCHEN EQUIPMENT @ 65% per nec 220-20
- ○ EXISTING BREAKER W/ NEW LOAD
- △ NEW BREAKER W/ NEW LOAD

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ARCHITECTURE & PLANNING

DRAWING: Electrical Panel Schedules
PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314
APN: 103-71-001F

DRAWN BY
CHECKED BY
DATE March 6th, 2020
JOB NO. 753
SHEET
E3.1

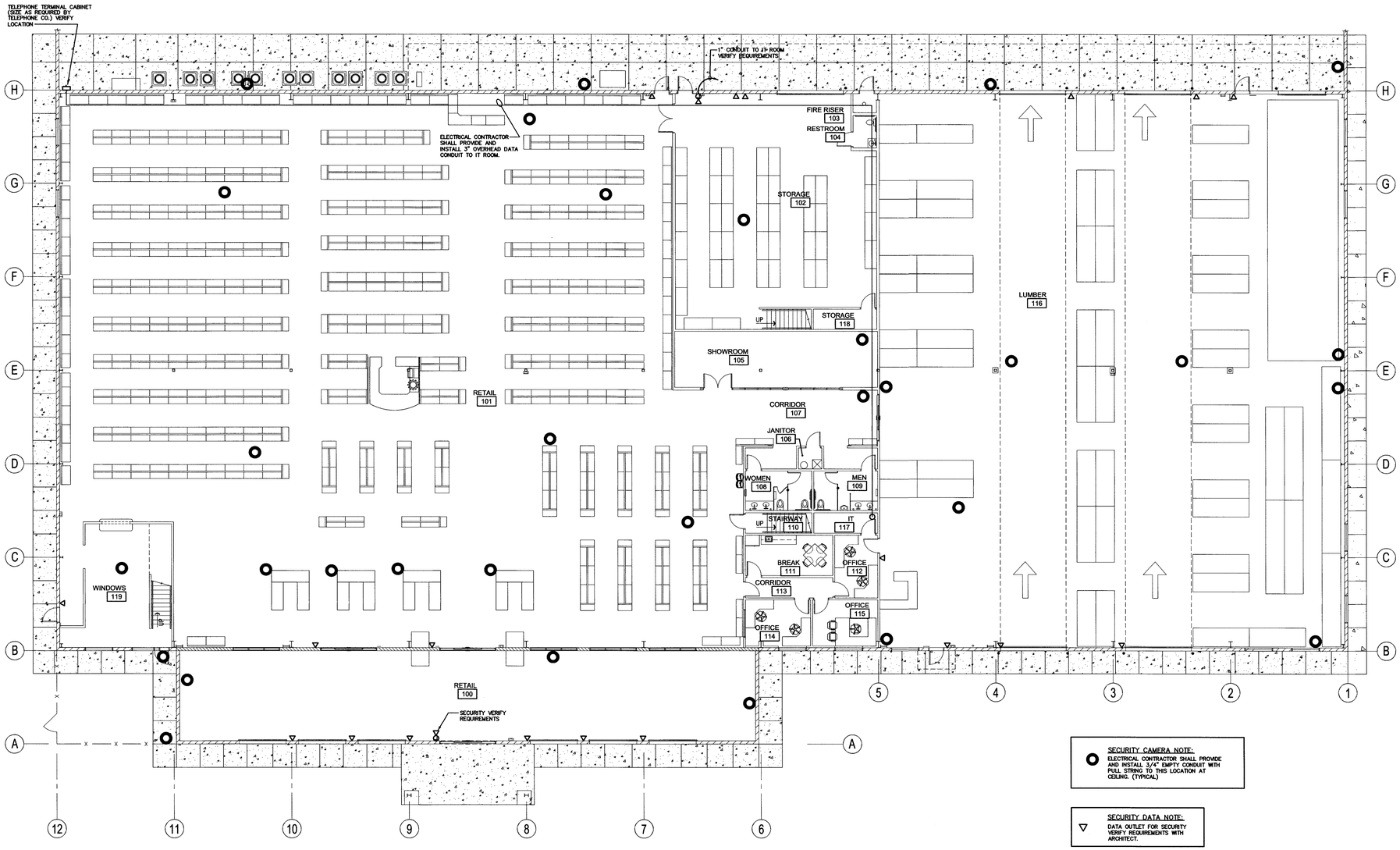
Jul 14, 2020 - 11:00am

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JOB# 20-13

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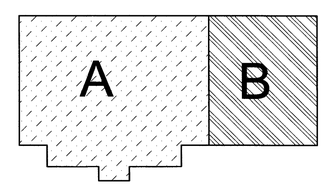
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Overall Security / Special Sytems First Floor Plan

Scale: 3/16"=1'-0"

Plan North



Key Plan

Scale: n.t.s.

Plan North

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ARCHITECTURE & PLANNING

DRAWING: Overall Security / Special Systems First Floor Plan

PROJECT: Alliance Home Improvement Center
Prescott Valley, AZ 85314

APN: 103-71-001F

DRAWN BY	
CHECKED BY	
DATE	March 6th, 2020
JOB NO.	753
SHEET	E4.1

May 30, 2020 - 1:26pm