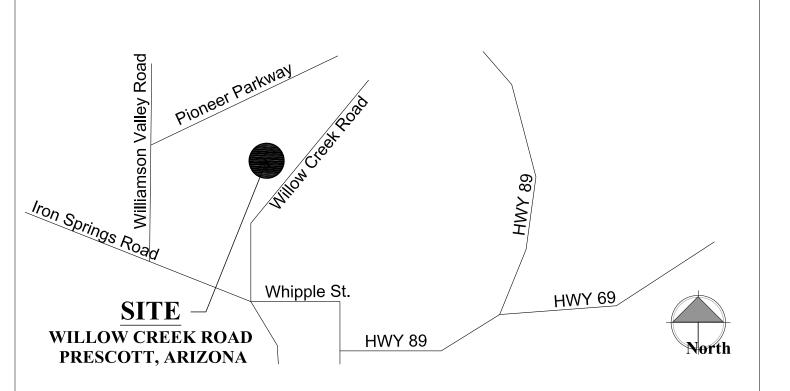
NEW CANOPY STRUCTURE FOR:

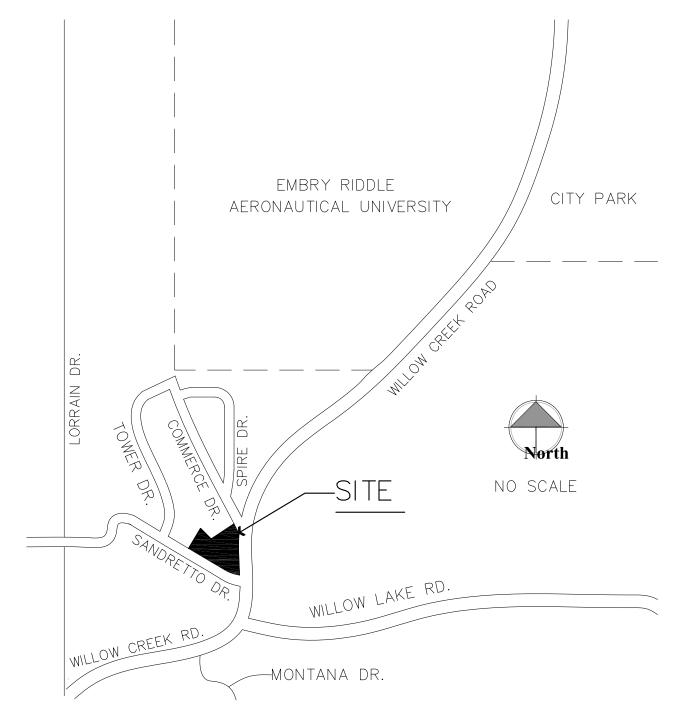
GALPIN MAZDA

PRESCOTT, ARIZONA

Area Map Prescott



Map Cinity Map



Roject Information Seet Index

Galpin Ford Prescott 1000 Sandretto Dr. Prescott, AZ 86305

PH: (928) 445-3673 CONTACT: Greg Galpin

PREPARED BY:

PARKING:

CLIENT:

W. Alan Kenson & Assoc., P.C. PH: 928-443-5812 P.O. Box 11593 **CONTACT: Alan Kenson** Prescott, AZ 86304 WAKA@cableone.net

CONTRACTOR:

Kenson Construction Company Inc. PH: 928-443-5812 6135 Corsair Avenue CONTACT: Alan Kenson Prescott, AZ 86301 WAKA@cableone.net

JOBSITE 1000 Sandretto Dr. **ADDRESS:** Prescott, AZ 86305 106-08-071 PARCEL NUMBER: **ZONING:** IL Industrial Light

SITE USE: Business Car Dealership VΒ **CONST. TYPE:**

B & M **OCCUPANCY:**

1,630 S.F. (NO CHANGES) **EXISTING BLDG. AREA:**

TOTAL AREA UNDER ROOF: 2,950 S.F.

1,456 S.F. (INCLUDING NEW STAIRS) **COVERED PATIO REMODELED AREA:**

ALL PARKING IS EXISTING AND ADEQUATE

ARCHITECTURAL

Existing / Demolition Plan, Reference / Dimension Floor Plan and Site Building Location Plan

Demolition and Proposed Roof Plans, Reflected Ceiling Plan and Ceiling Framing Plan

A3.0 Sections and Details

A4.0 Sections. Details and Materials Schedule A5.0 **Existing / Demolition Exterior Elevations** A6.0 **Proposed Exterior Elevations**

A7.0

STRUCTURAL

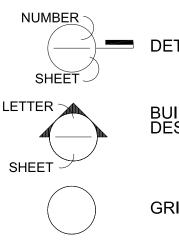
General Structural Notes and T-Series Details

Roof Framing Plan and Details

ELECTRICAL

Lighting Plan

Caphic Standards



NORTH ARROW INDICATOR

DETAIL DESIGNATOR

BUILDING SECTION DESIGNATOR

GRID LINE DESIGNATOR

REVISION DESIGNATOR

ELEVATION DESIGNATOR DESCRIPTIVE NOTE DESIGNATOR

ROOM NUMBER / FINISH DESIGNATOR

DOOR NUMBER DESIGNATOR

DOOR TYPE DESIGNATOR

WINDOW TYPE DESIGNATOR

WALL TYPE DESIGNATOR

Project Description

Galpin Mazda will be remodeling their existing Mazda building. The interior will remain unchanged. The exterior will include modifications to the existing covered patio area, changing from an open trellis design to a more modern design with large panel fascias. The existing stairs will be removed and replaced with new stairs in a new location to allow more space at the entrance way.

Architect:

W. Alan Kenson & Associates, P.C.

P 928-443-5812 F 928-443-5815 P.O. Box 11593 Prescott, AZ 86304

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

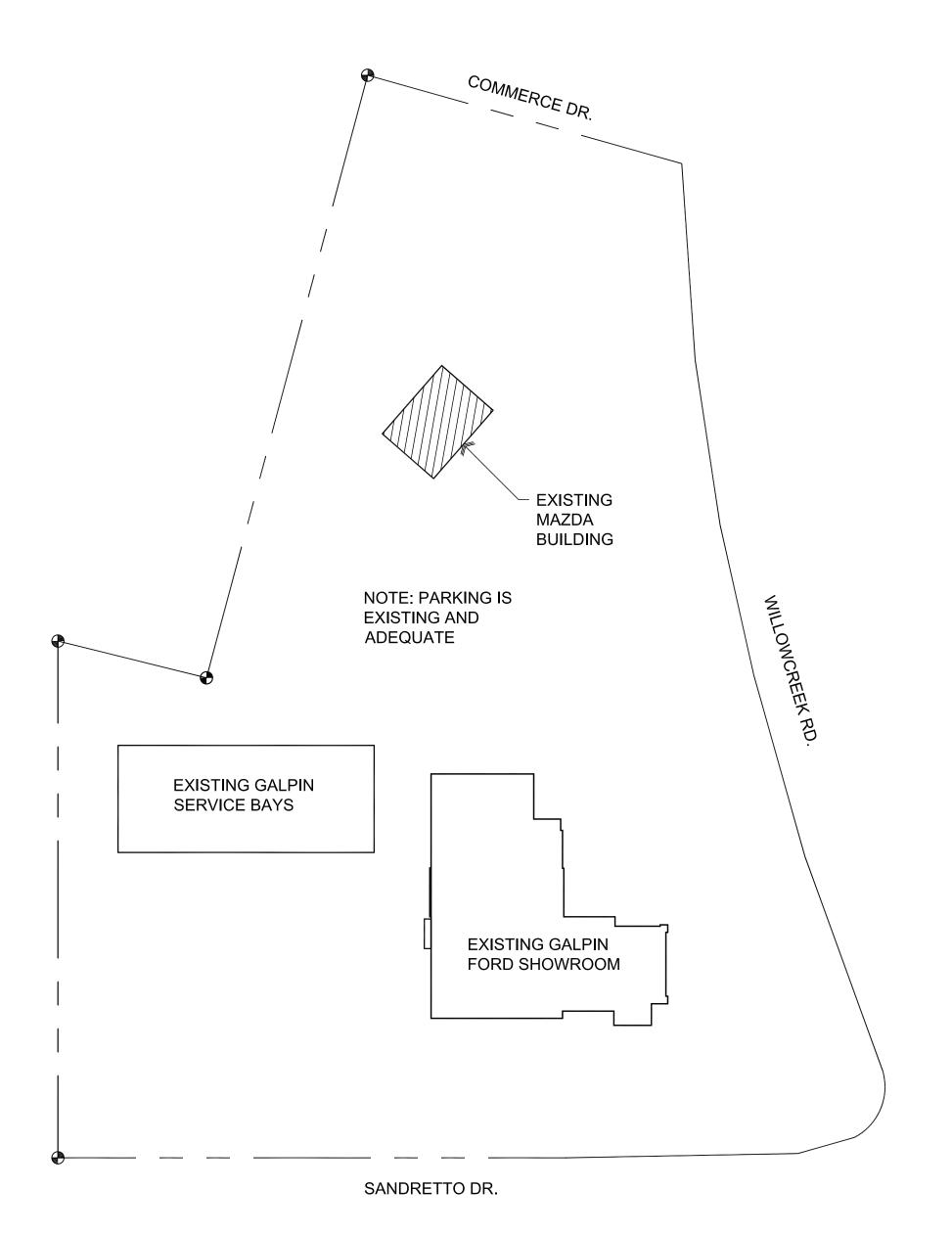
ARCHITECTURE & PLANNING

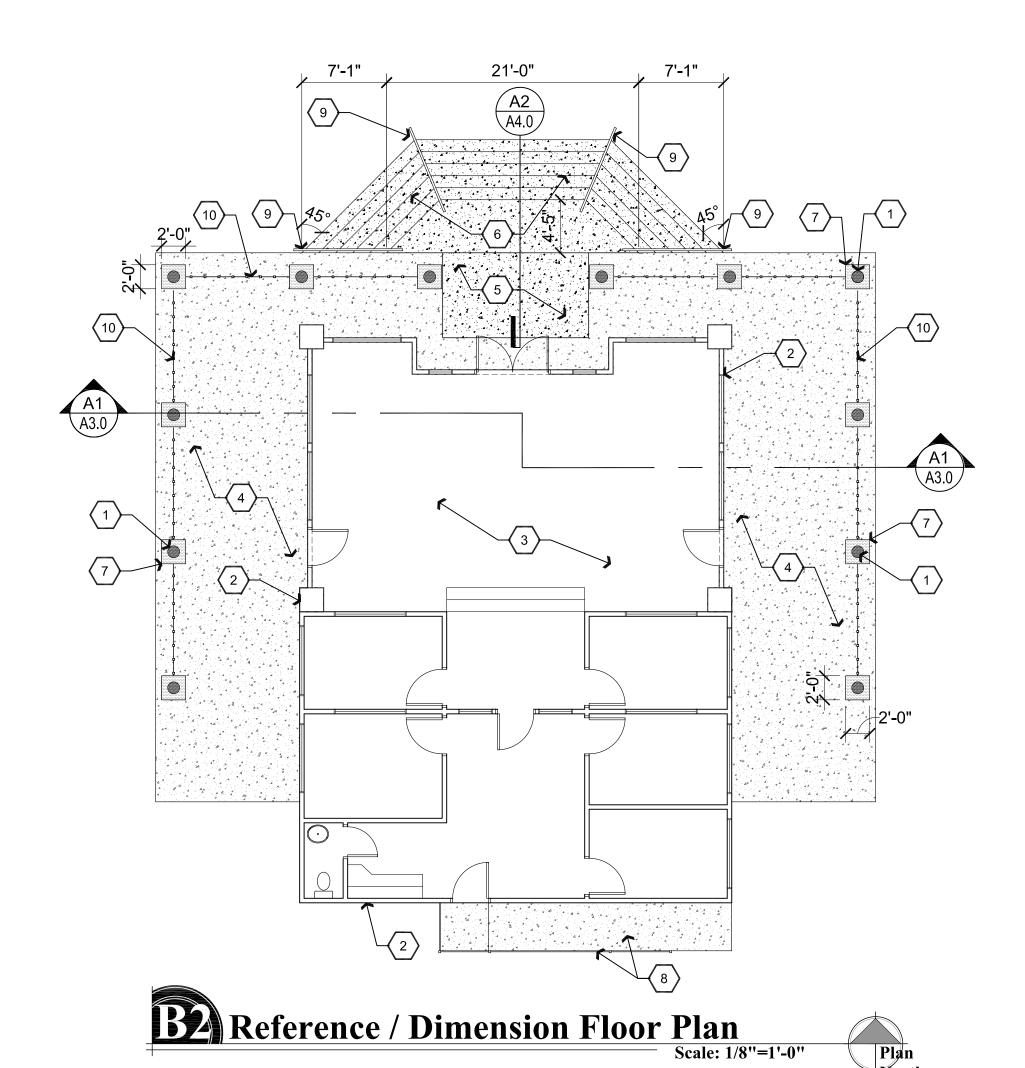


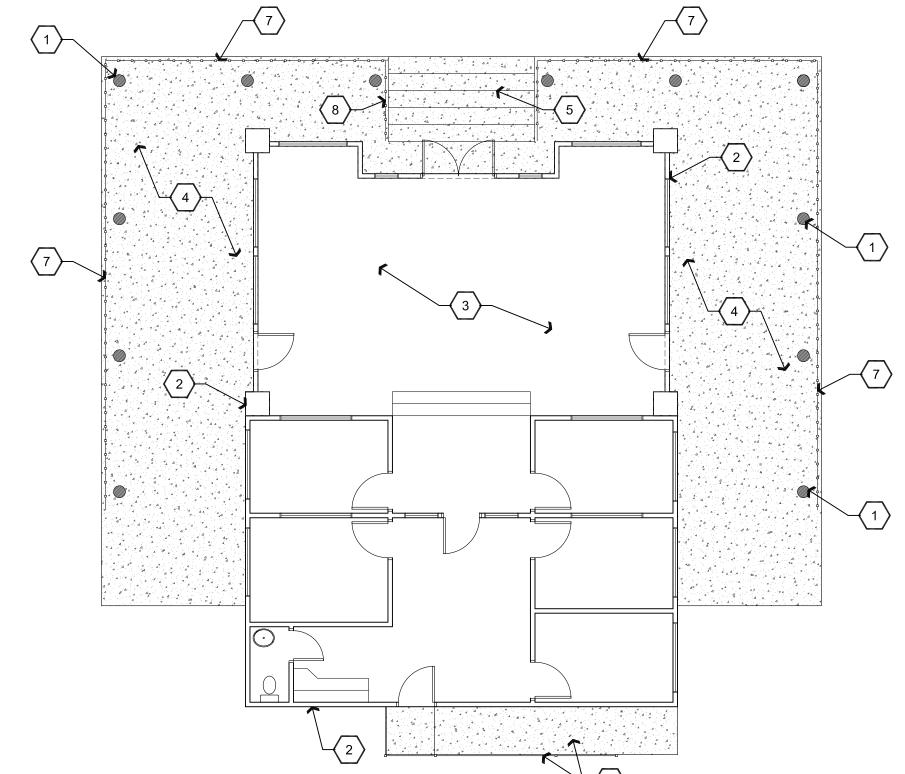
REVISIONS

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L.O. CHECKED BY W.A.K. March 15th, 2017









Reference Floor Plan

- 1. EXISTING WOOD COLUMN TO REMAIN, TYPICAL. 2. EXISTING EXTERIOR WALL. PROVIDE 'DRYVIT TAFS' SYSTEM ON EXTERIOR SIDE. (DRYVIT TINTED PRIMER AND TEXTURED ACRYLIC FINISH SANDPEBBLE TEXTURE).
- 3. EXISTING BUILDING.
- 4. EXISTING CONCRETE SLAB TO REMAIN. 5. PROVIDE COMPACTED FILL AND CONCRETE OVER EXISTING STAIRS, REFER TO DETAIL A2/A4.0.
- 6. PROVIDE NEW CONCRETE STAIRS, REFER TO DETAIL A2/A4.0.
- 7. PROVIDE NEW FRAMED COLUMN SURROUND WITH 'DRYVIT' SYSTEM W/ SMOOTH 'REFLECTIT' FINISH AS DETAILED ON SHEET A7.0., REFER TO BUILDING SECTIONS.
- 8. EXISTING CONCRETE RAMP AND GUARD RAIL TO
- 9. PROVIDE STEEL HANDRAILS.
- 10. PROVIDE STEEL GUARD RAILING, TYPICAL ON THREE SIDES OF BUILDING BETWEEN COLUMNS.



Demolition Plan

- EXISTING WOOD COLUMN TO REMAIN, TYPICAL
- EXISTING EXTERIOR WALL.
- EXISTING BUILDING. NO WORK ON INTERIOR.
- EXISTING CONCRETE RAMP AND GUARD RAIL

REMOVE EXISTING GUARD RAILING.
 REMOVE EXISTING HANDRAILS.

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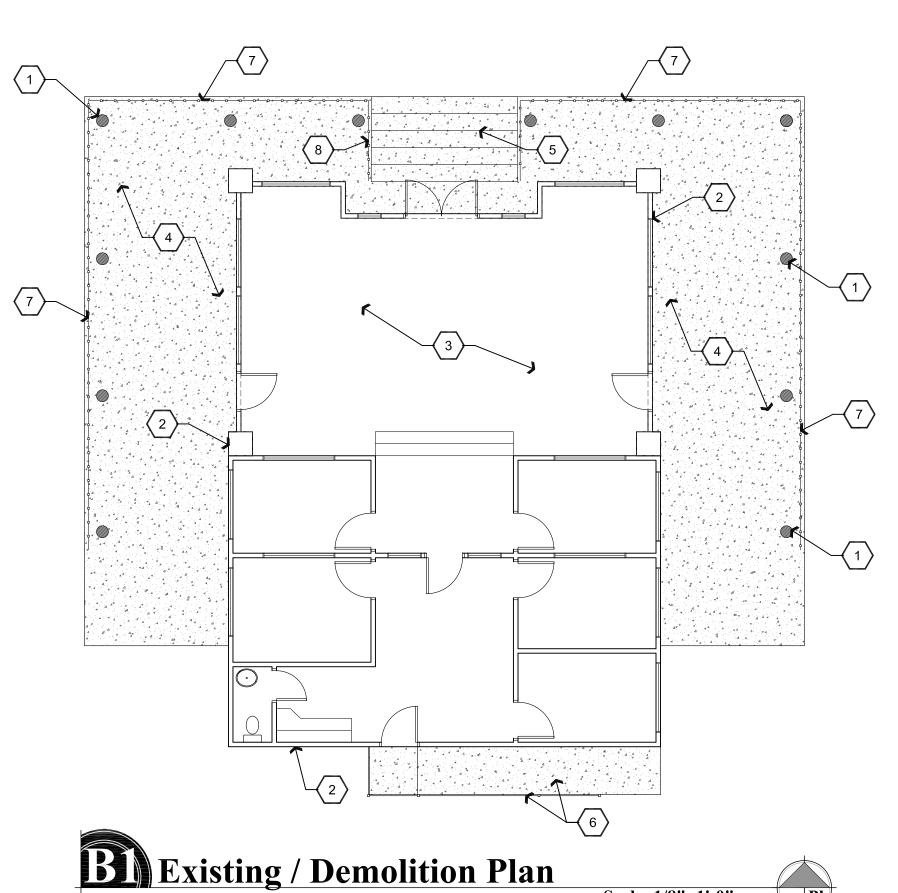
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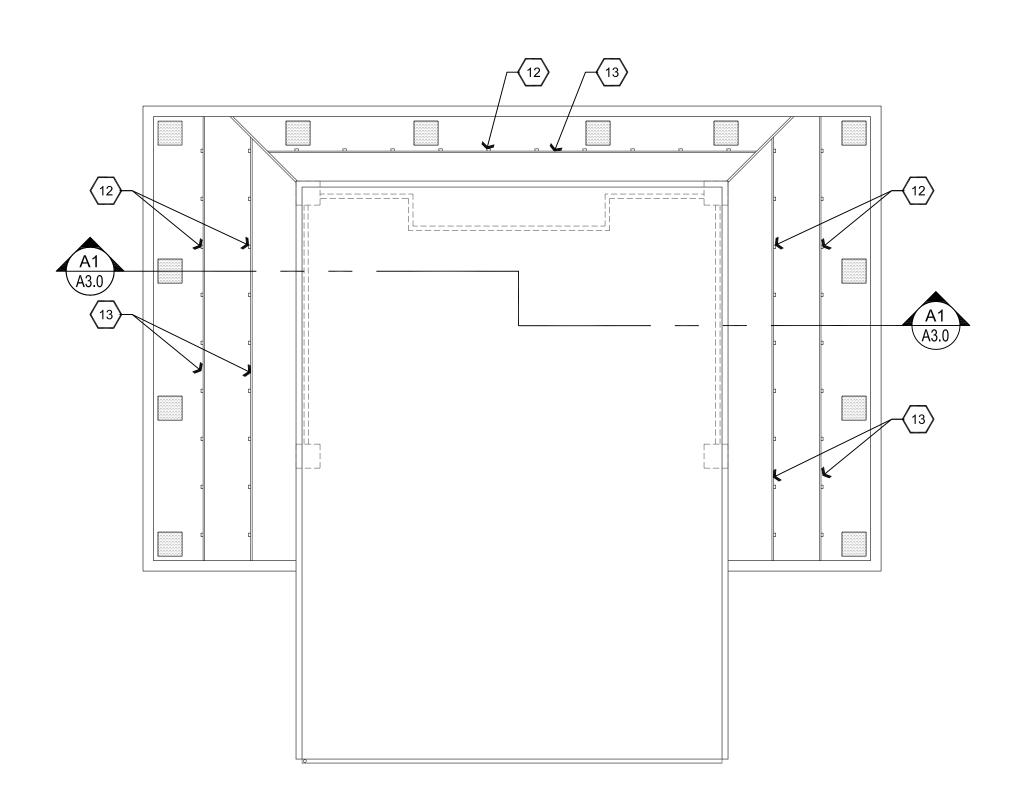
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L.O. CHECKED BY W.A.K.

March 15th, 2017

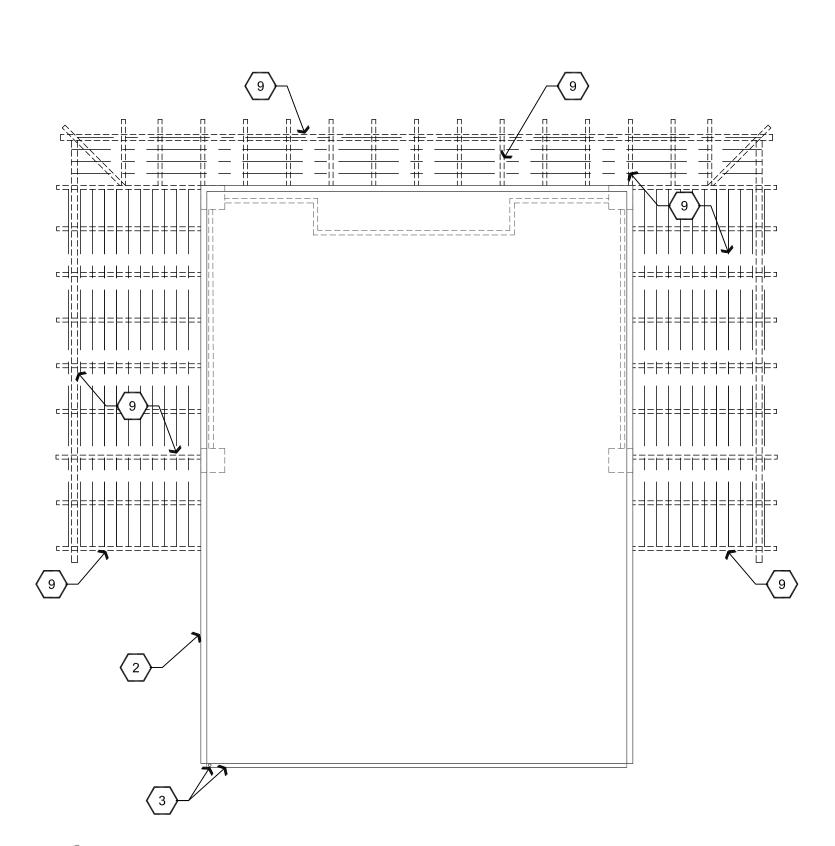


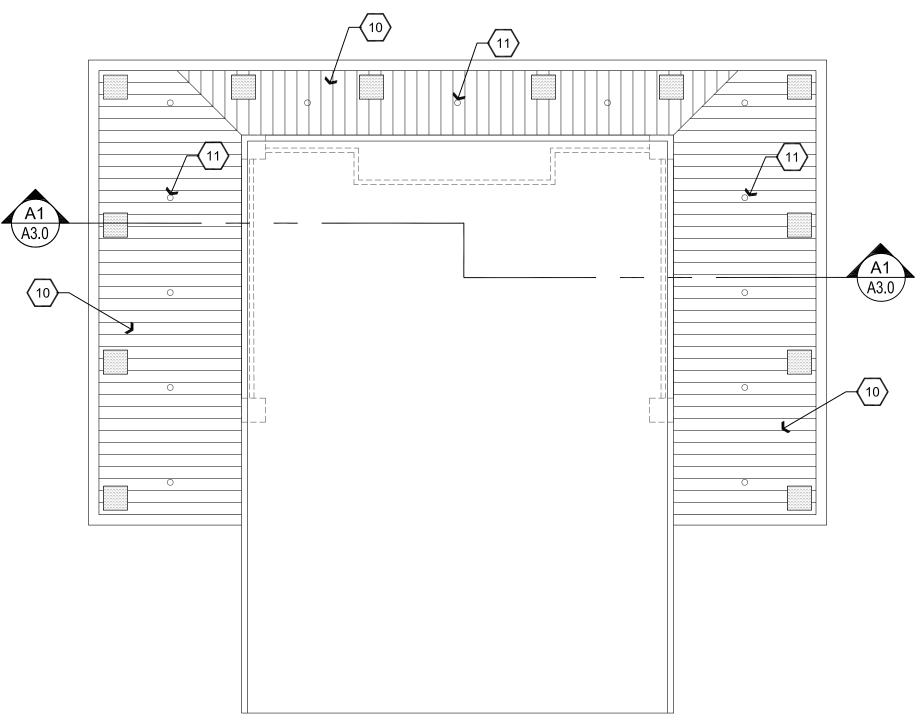




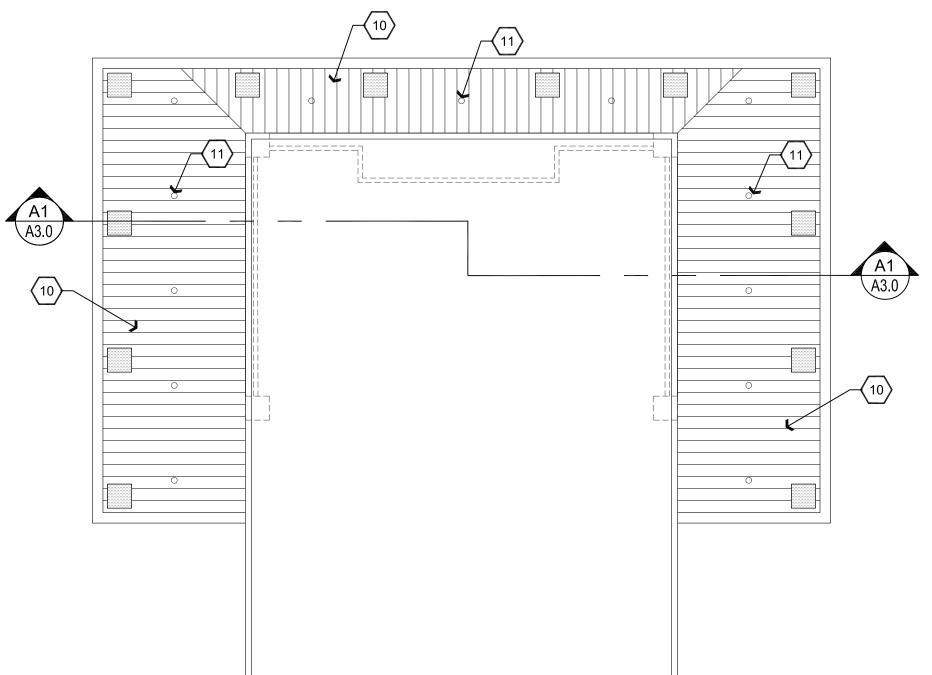


Demolition Roof Plan

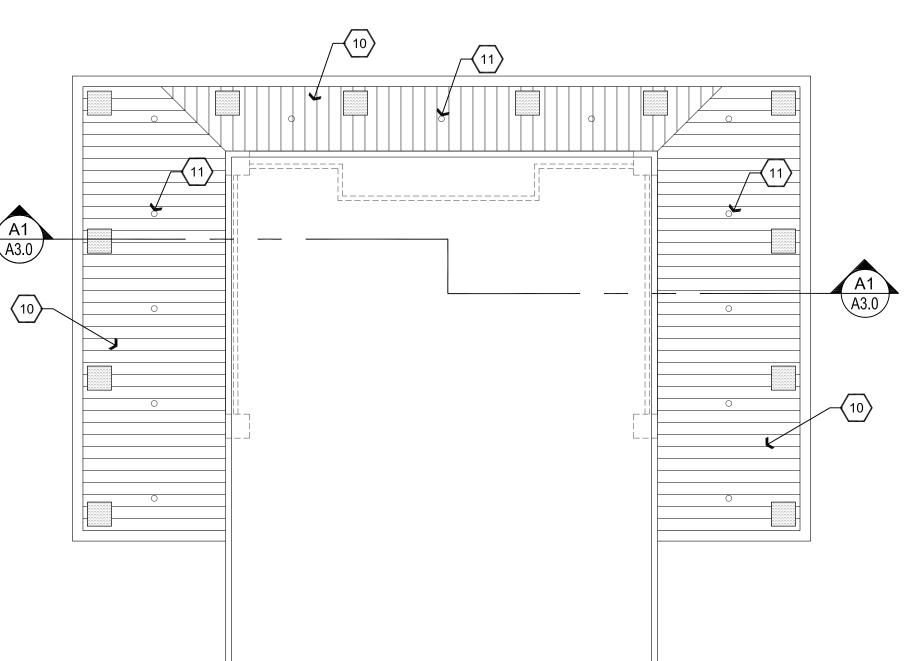


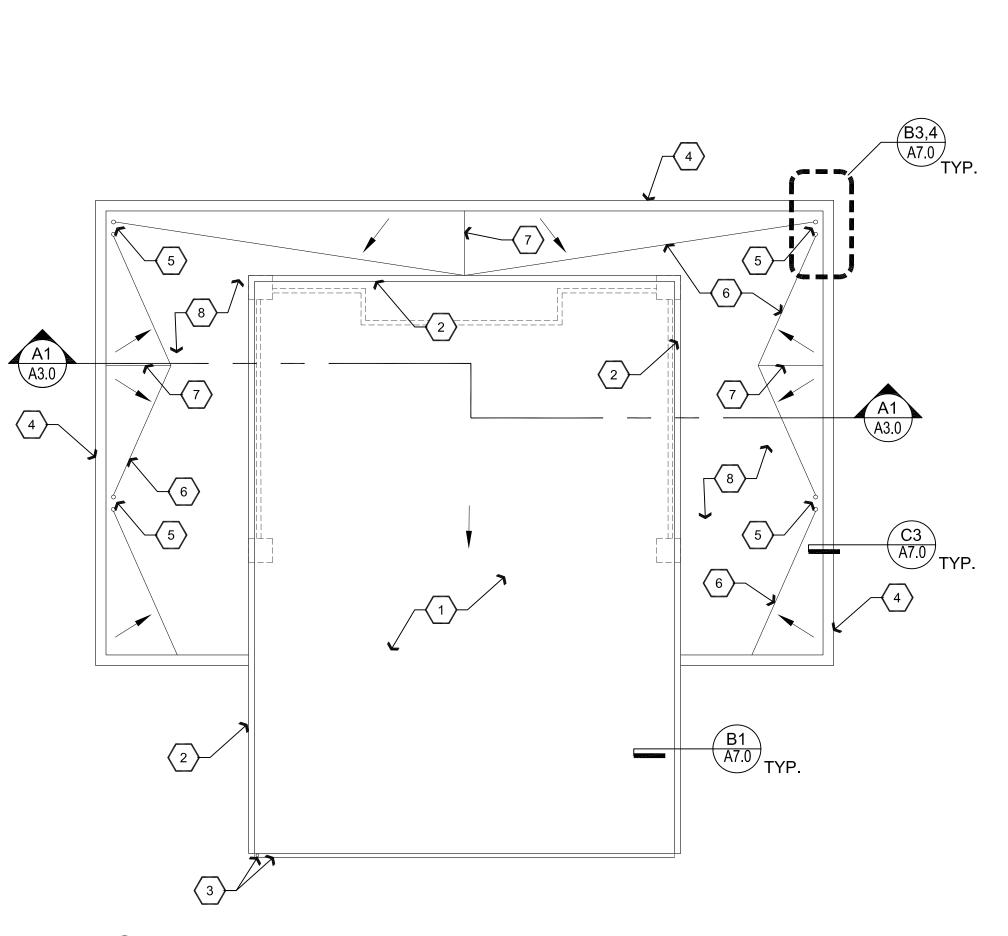












B Roof Plan

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Descriptive Keynotes \bigcirc

EXISTING GUTTER AND DOWNSPOUT.

4. PROPOSED PARAPET / FASCIA, REFER TO

BRONZE FINISH. REFER TO EXTERIOR

PROVIDE 3 PLY BITUMINOUS BUILT-UP ROOF (GRANULAR PLY OVER SMOOTH PLY OVER

BOARD MECHANICALLY ATTACHED TO METAL

10. PROVIDE METAL SOFFIT PANEL, REFER TO

12. PROVIDE 3 5/8", 25 GAUGE VERTICAL METAL

STUDS @ 4'-0" O.C. MAXIMUM.

13. PROVIDE 3 5/8", 25 GAUGE HORIZONTAL METAL

METAL PANEL SOFFIT MP-1

RECESSED CAN LIGHT

REMOVE WOODEN SHADE STRUCTURE EXCEPT

DECKING. REFER TO DETAIL B2/A7.0.

11. RECESSED LIGHT, TYPICAL, REFER TO

MATERIAL SCHEDULE. MP-1

ELECTRICAL LIGHTING PLAN.

JOISTS CONTINUOUS.

ENCLOSURE. TERMINATE PIPING WITH 'J.R. SMITH' MODEL 1770 DOWN SPOUT NOZZLE,

5. 3" RDL, ODL DOWN THROUGH COLUMN

1. EXISTING ROOF.

2. EXISTING PARAPET.

ELEVATIONS.

COLUMNS.

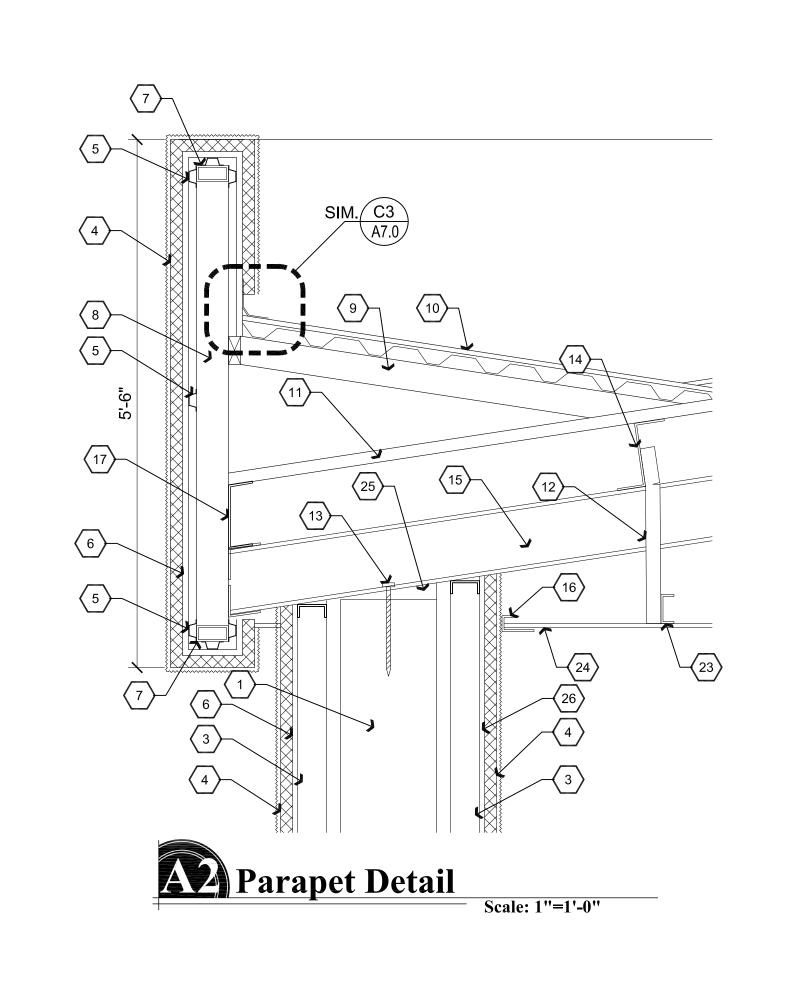
Regend

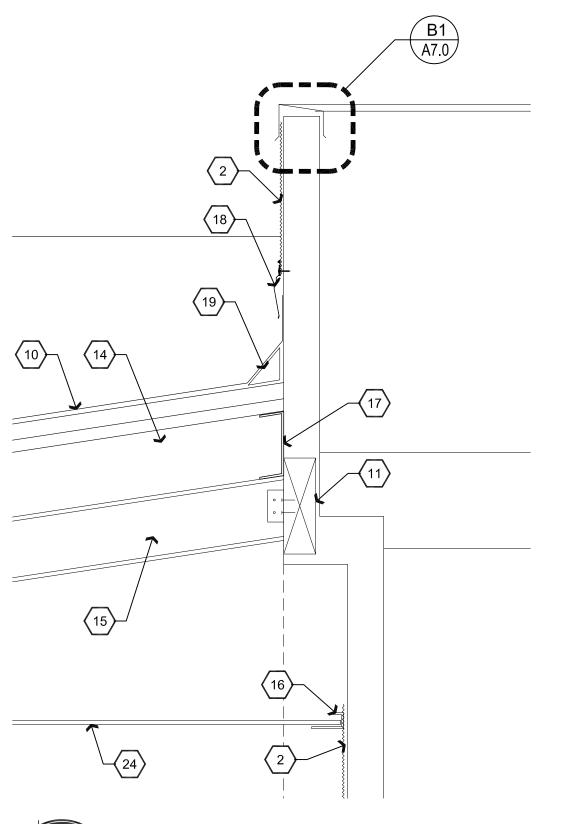
BUILDING SECTIONS.

PROPOSED ROOF CRICKET.

ROOF CRICKET RIDGE.

DRAWN BY L.O. CHECKED BY W.A.K. March 15th, 2017





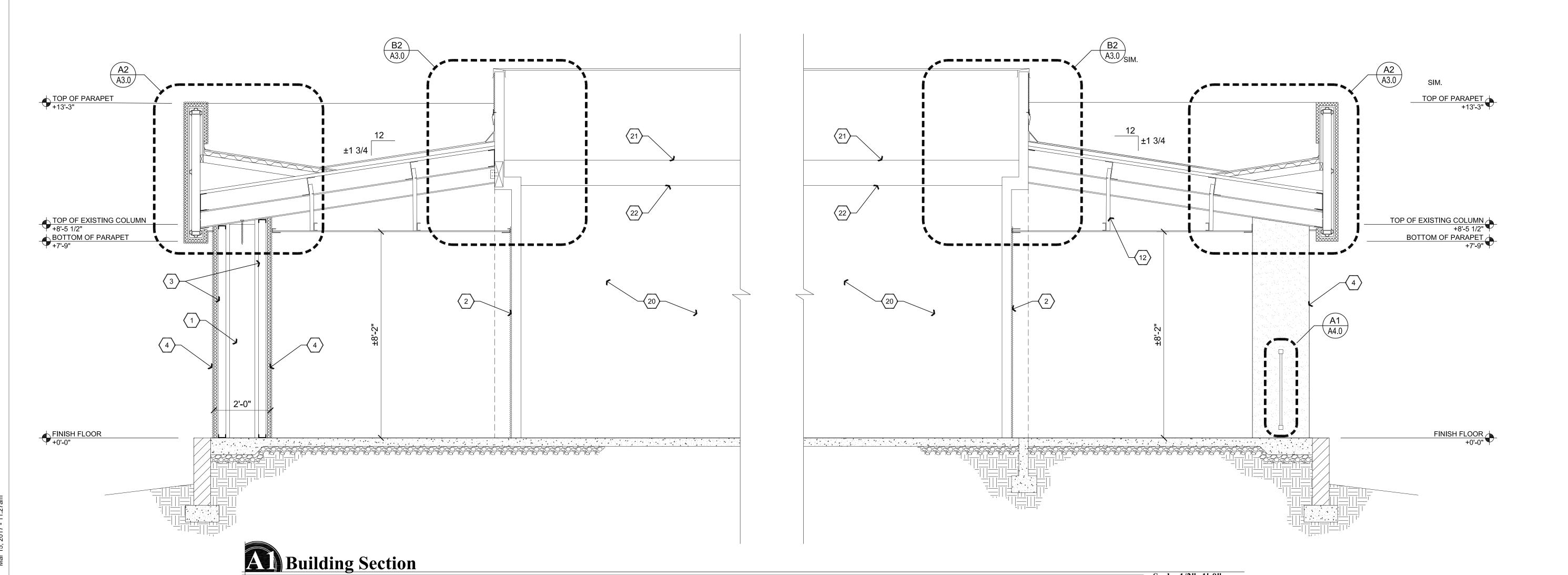
B2 Parapet Detail

NOTE: PEFER TO STRUCTURAL BLANS TYPE

NOTE: REFER TO STRUCTURAL PLANS, TYPICAL

- 1. EXISTING WOOD COLUMN.
- 2. EXISTING EXTERIOR WALL WITH 'DRYVIT TAFS' SYSTEM ON EXTERIOR. (DRYVIT TINTED PRIMER AND TEXTURED ACRYLIC FINISH, SANDPEBBLE TEXTURE) REFER TO EXTERIOR ELEVATIONS. WS-3
- 3. PROVIDE 3 5/8" 20 GAUGE METAL STUD @1'-4" O.C.
- 4. PROVIDE 'DRYVIT' SYSTEM W/ SMOOTH 'REFLECTIT' FINISH AS DETAILED ON
- SHEET A7.0. ws-1 ws-2

 5. PROVIDE 1 1/2", 22 GAUGE HAT CHANNEL
 @ 2'-0" O.C. MAXIMUM, TYPICAL.
- 6. PROVIDE 3/4" OSB.
- PROVIDE STEEL TUBE, CONTINUOUS.
 PROVIDE STEEL TUBE.
- 9. PROVIDE 2x4 FRAMING @ 1'-4" O.C. AT ROOF CRICKET LOCATIONS.
- 10. PROVIDE BUILT-UP ROOF, REFER TO DETAIL B2 SHEET A7.0.
- 11. EXISTING BEAM.
- 12. PROVIDE 3 5/8", 25 GAUGE METAL SUPPORT @ 4'-0" O.C. MAXIMUM.
- 13. PROVIDE LAG SCREWS.14. PROVIDE ZEE PURLIN.
- 15. PROVIDE WIDE FLANGE BEAM.
- 16. PROVIDE 'J' TRIM.
- 17. PROVIDE CEE GIRT.
- 18. PROVIDE CONTINUOUS REGLET.
- 19. PROVIDE CANT STRIP.
- 20. EXISTING BUILDING.21. EXISTING ROOF.
- 22. EXISTING CEILING.
- 23. PROVIDE 3 5/8", 25 GAUGE METAL JOIST CONTINUOUS.
- 24. PROVIDE METAL SOFFIT PANEL, REFER TO CEILING FRAMING PLAN. MP-1
- 25. PROVIDE SOLID WOOD FILLER.



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alpin Mazda 001 Commerce Dr.

COJECT: Galpin Ma 1001 Con Prescott,

DRAWN BY
L.O.

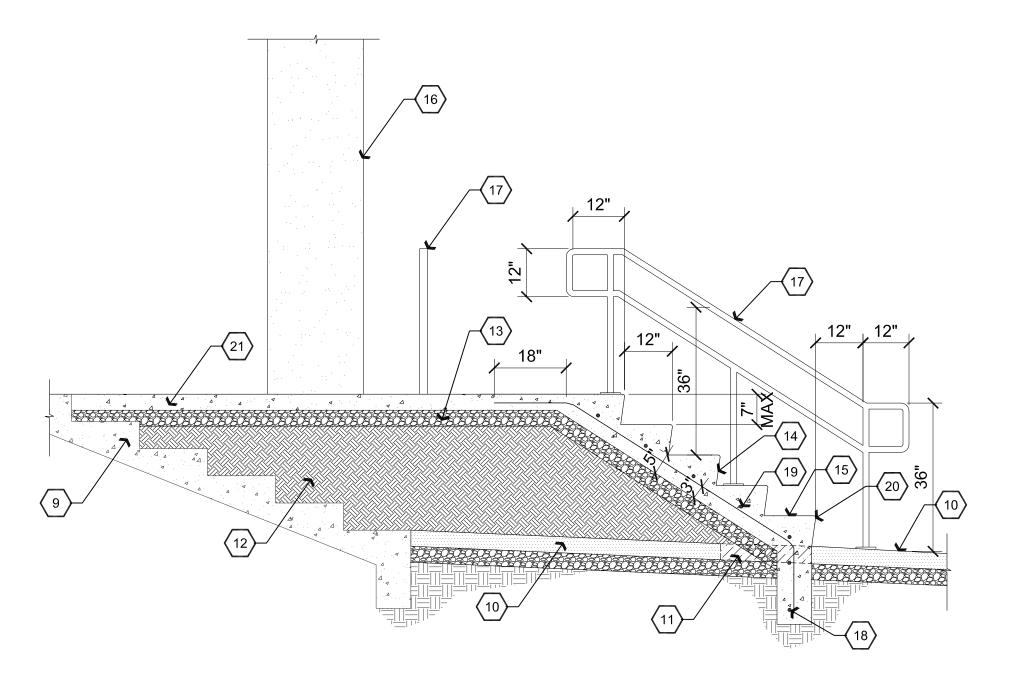
CHECKED BY
W.A.K.

DATE
March 15th, 2017

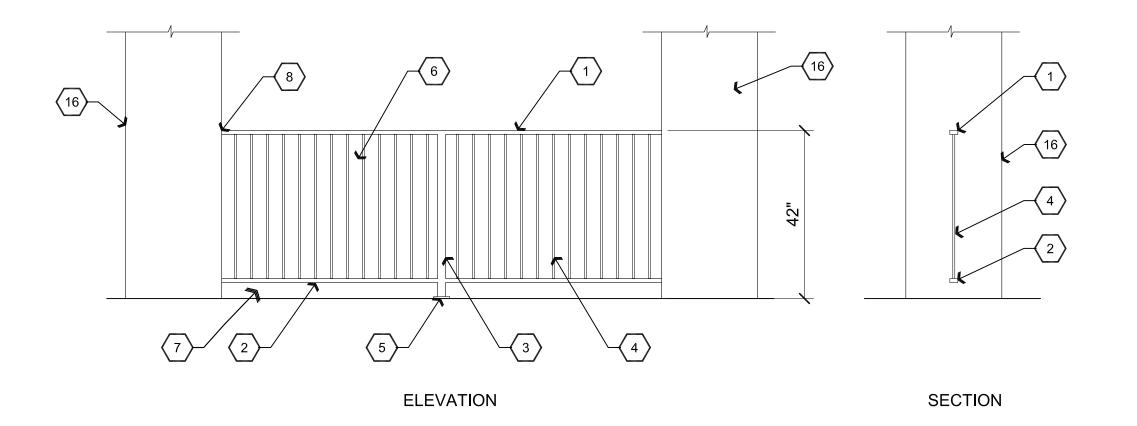
JOB NO.
689

A3.0

Meterials Schedule				
CODE	MATERIAL	LOCATION	MANUFACTURER	SPECIFICATION
MP-1	METAL PANEL	SOFFIT	MBCI	12", 26 GA. ARTISAN METAL SOFFIT PANEL COLOR: ASH GRAY (CONFIRM WITH ARCHITECT)
MT-1	PARAPET CAP	PARAPET	MBCI	26 GAUGE, ASH GRAY (CONFIRM WITH ARCHITECT)
WS-1	DRYVIT OUTSULATION SYSTEM	FASCIA PANELS	DRYVIT	DRYVIT WALL SYSTEM, REFLECTIT BLACK STANDARD
WS-2	DRYVIT OUTSULATION SYSTEM	EXTERIOR COLUMNS	DRYVIT	DRYVIT WALL SYSTEM, REFLECTIT TIN MAN
WS-3	DRYVIT TAFS SYSTEM	EXISTING STUCCO FINISHED BUILDING	DRYVIT	SANDPEBBLE TEXTURE, 618 ANTIQUE GRAY
PNT-1	PAINT	GUARDRAILS / HANDRAILS	SHERWIN WILLIAMS	SW B50AZ6 KEM-KROMIK GREY PRIMER WITH SW F75BC14 SHER-KEM RAVEN BLACK









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



- 1. 2" x 1" TUBING TOP RAIL. PNT-1
- 2. 2" x 1" TUBING BOTTOM RAIL. PNT-1 3. 2" SQUARE TUBING INTERMEDIATE POST, PNT-1
- CENTERED BETWEEN COLUMNS.
- 4. 1/2" SQUARE TUBING PICKETS. PNT-1
- 5. POST ANCHOR. PNT-1 6. SPACE BETWEEN PICKETS SHALL NOT ALLOW
- PASSAGE OF A SPHERE 4" IN DIAMETER. 7. SPACE BETWEEN BOTTOM RAIL AND CONCRETE SHALL NOT ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER.
- 8. ATTACHMENT TO COLUMN, PROVIDE SOLID BACKING.
- EXISTING STAIRS.
- 10. EXISTING ASPHALTIC CONCRETE.
- 11. SAW CUT AND REMOVE PORTION OF EXISTING ASPHALTIC CONCRETE AS REQUIRED.
- 12. PROVIDE COMPACTED SELECT FILL.
- 13. PROVIDE COMPACTED A.B.C.
- 14. 7" MAXIMUM RISER.
- 15. 12" TREAD
- 16. COLUMN.
- 17. PROVIDE STEEL HANDRAILS. PNT-1 18. (1) #4 TOP AND BOTTOM
- 19. #3 12" O.C. EACH WAY
- 20. RADIUS NOSE OF EDGE 1/2" TYPICAL
- 21. PROVIDE 4" CONCRETE SLAB

ates

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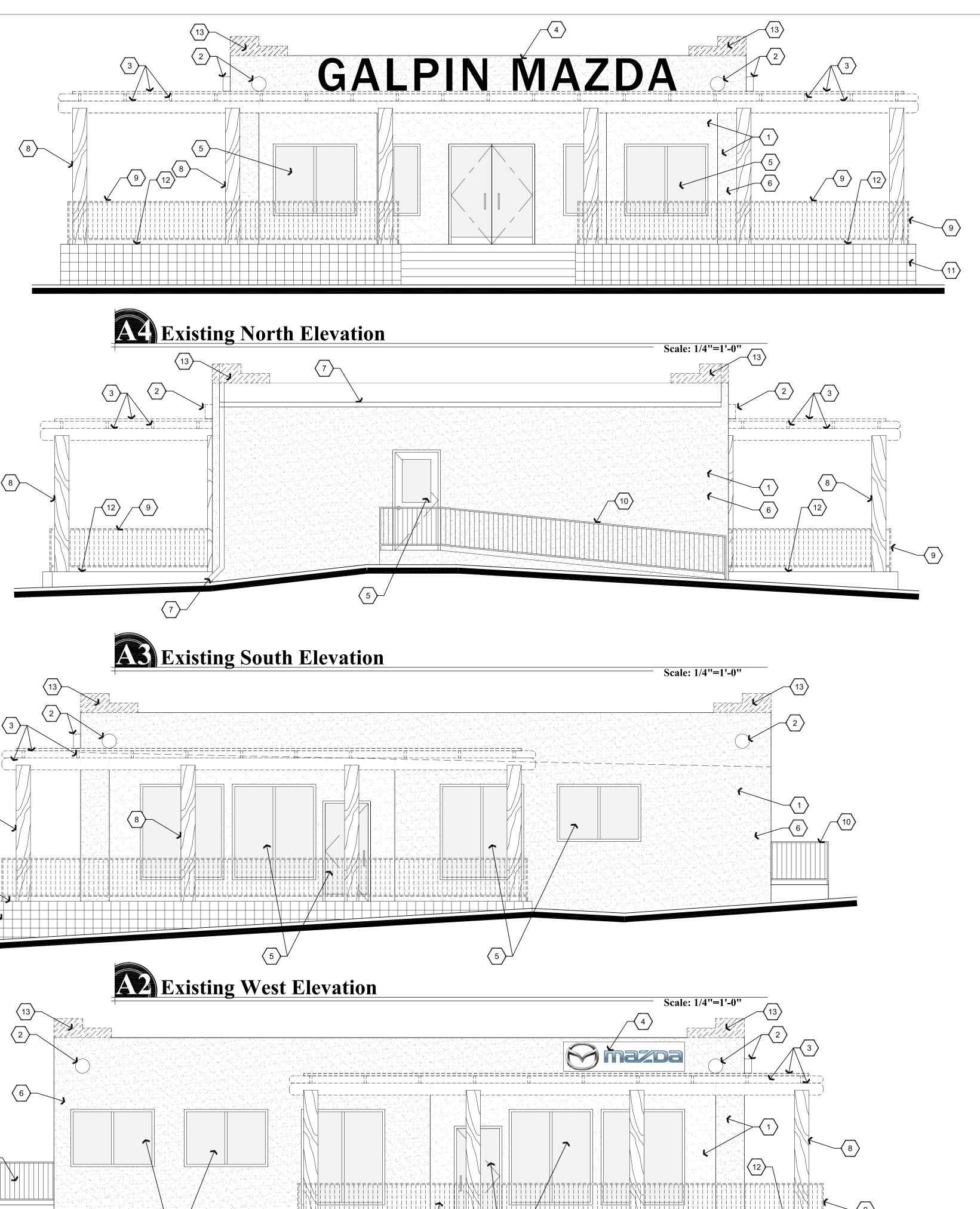
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March 15th, 2017



Existing East Elevation

9

Descriptive Keynotes \bigcirc

 EXISTING EXTERIOR STUCCO WITH PAINTED FINISH TO REMAIN AND BE RESURFACED.

2. REMOVE ALL DECORATIVE WOODEN VIGAS.

3. REMOVE WOODEN SHADE STRUCTURE EXCEPT COLUMNS.

REMOVE GALPIN MAZDA SIGNAGE, TO BE REUSED

ALL DOORS AND WINDOWS TO REMAIN.
ALL EXTERIOR WALLS TO REMAIN.

7. SHEET METAL DOWNSPOUT AND GUTTER REMAIN
8. EXISTING COLUMNS TO REMAIN. TOP OF COLUMN
TO BE CUT OFF AT ±8'-5 1/2" A.F.F. (ALL COLUMNS
EQUAL)

REMOVE EXISTING RAILING.

10. EXISTING RAILING TO REMAIN (REAR OF BUILDING ONLY).

11. EXISTING BLOCK WALL TO REMAIN.12. EXISTING CONCRETE SLAB TO REMAIN.

13. REMOVE STEPPED UP PORTIONS OF PARAPET, PATCH AND REPAIR AS REQUIRED.

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P. 928-443-5812 P.O. Box 11593

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Galpin Mazda 1001 Commerce Dr. Prescott, AZ 86301

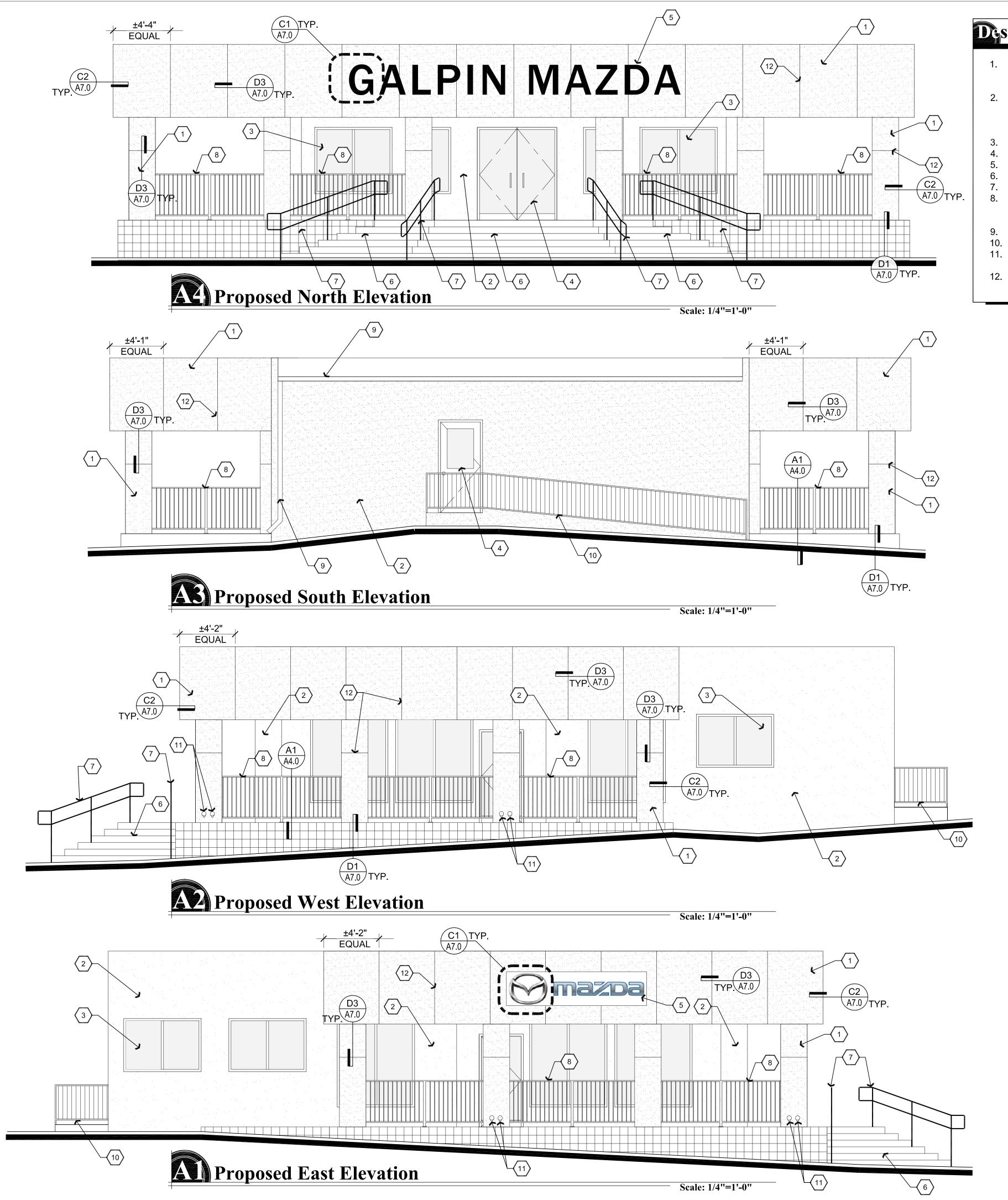
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DRAWN BY
L.O.

CHECKED BY
W.A.K.

DATE
March 15th, 2017

A5.0



Discriptive Keynotes \bigcirc

PROVIDE 'DRYVIT' WALL SYSTEM WITH SMOOTH 'REFLECTIT' FINISH, REFER TO DETAILS ON SHEET A7.0. WS-1 WS-2

TINTED PRIMER AND TEXTURED ACRYLIC FINISH, SANDPEBBLE TEXTURE) ws-3

3. EXISTING WINDOW.

4. EXISTING DOOR.

5. REINSTALL EXISTING SIGN.

THREE SIDES OF BUILDING BETWEEN

9. EXISTING GUTTER AND DOWNSPOUT.

10. EXISTING GUARDRAIL.

11. TERMINATE PIPING WITH 'J.R. SMITH' MODEL 1770 DOWN SPOUT NOZZLE, BRONZE FINISH

12. DRYVIT REVEAL, TYPICAL, REFER TO DETAIL

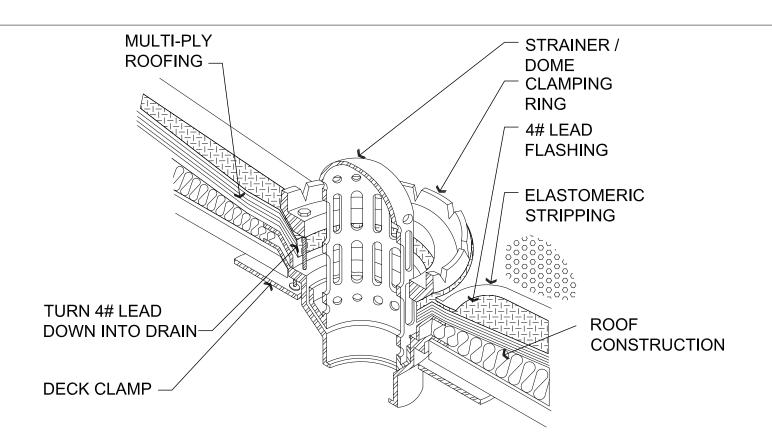
D3 SHEET A7.0.

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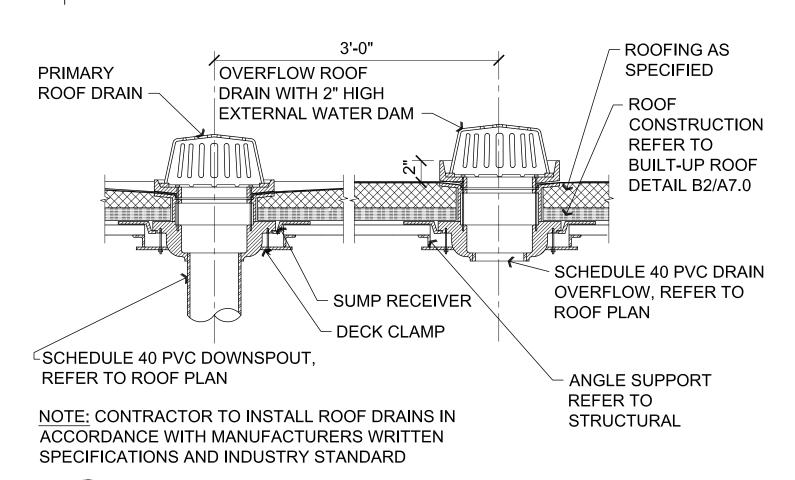
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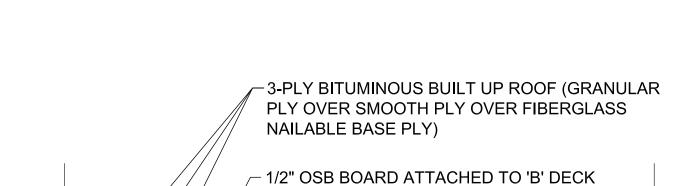
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A6.0

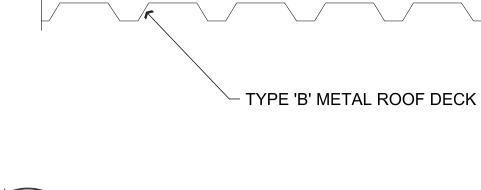


B Roof Drain

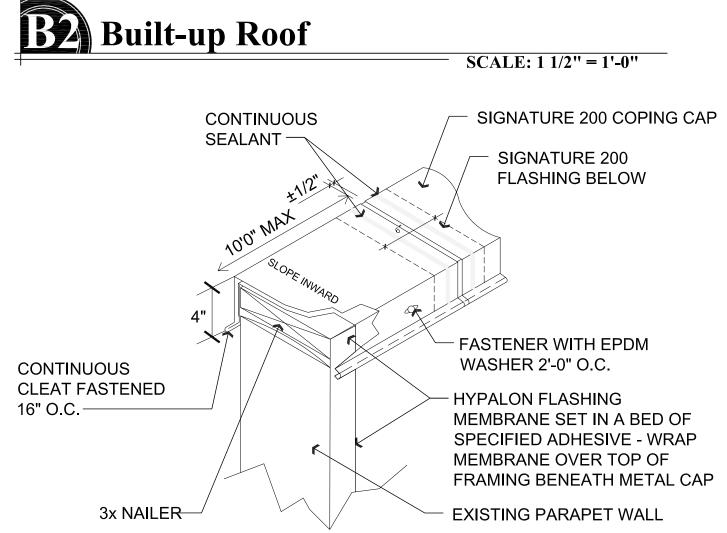


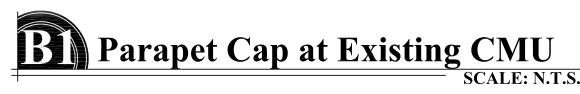


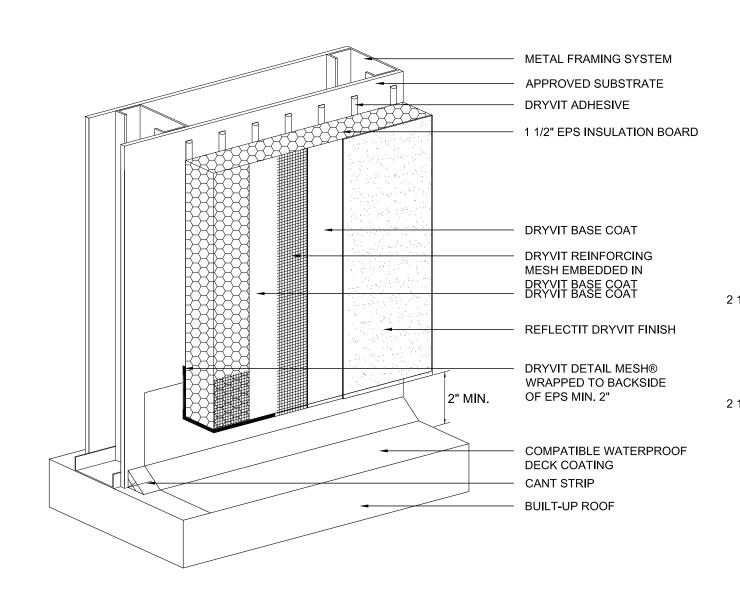
SCALE: N.T.S.



B Roof Overflow Drain







Termination at Roof at Outsulation SCALE: N.T.S.

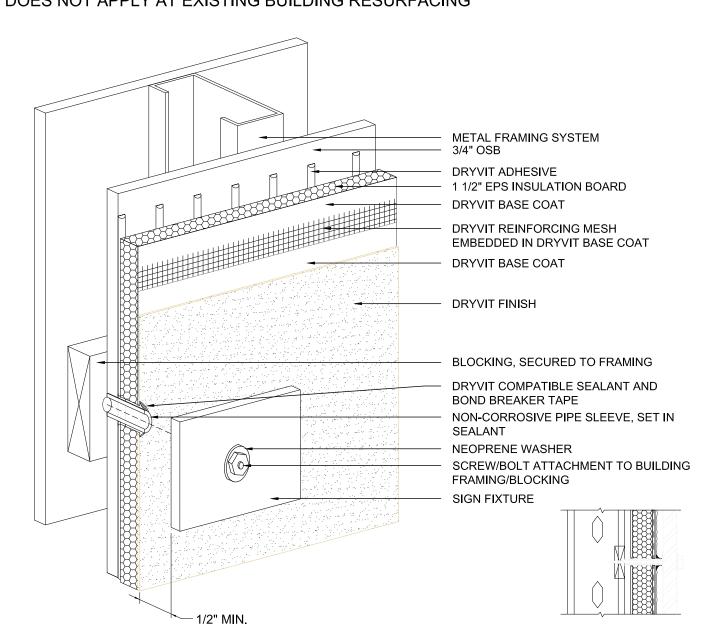
DOES NOT APPLY AT EXISTING BUILDING RESURFACING

DRYVIT ADHESIVE - 1 1/2" EPS INSULATION DRYVIT BASE COAT DRYVIT PANZER® REINFORCING MESH DRYVIT BASE COAT DRYVIT CORNER MESH™ DRYVIT BASE COAT DRYVIT STANDARD MESH OR STANDARD PLUS REINFORCING MESH

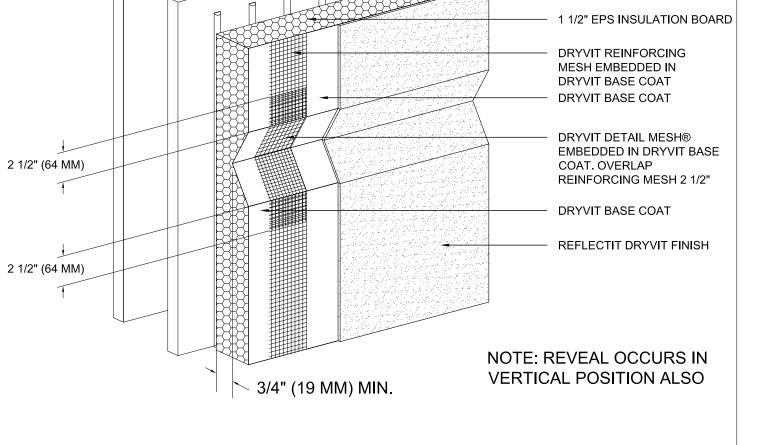
OVERLAP MIN. 8" (203 MM) AT CORNER

REFLECTIT DRYVIT FINISH

Dryvit Outside Corner at Outsulation SCALE: N.T.S. DOES NOT APPLY AT EXISTING BUILDING RESURFACING

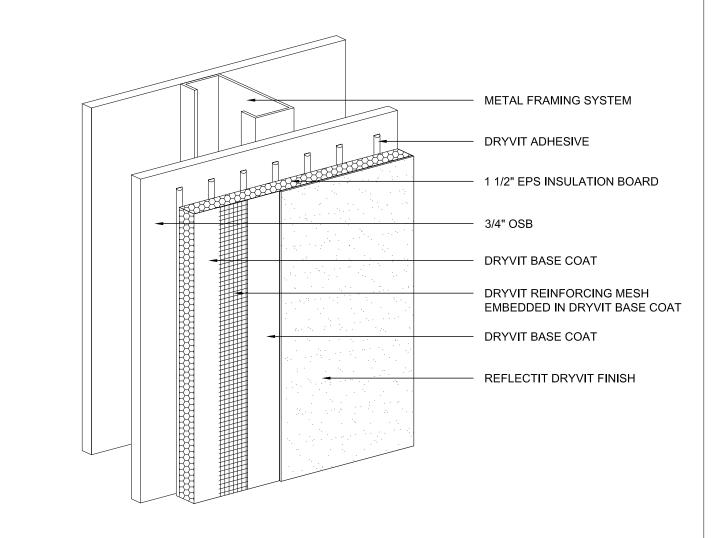






Dryvit System Reveal at Outsulation

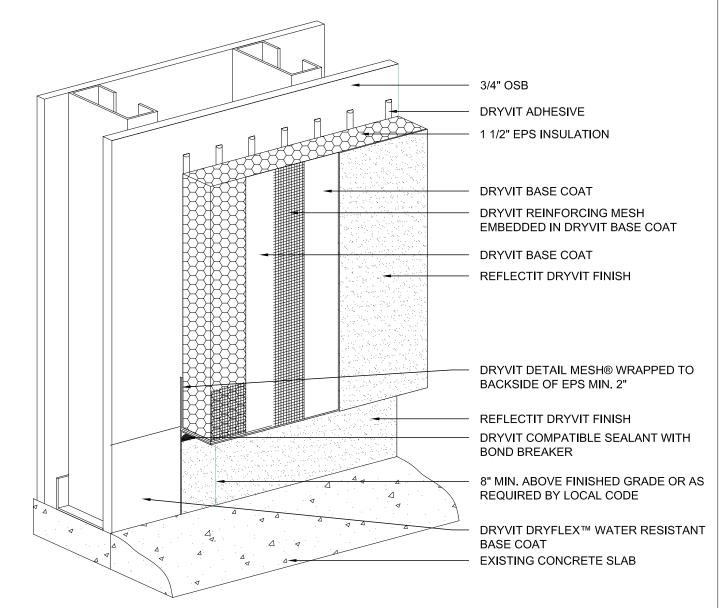
DOES NOT APPLY AT EXISTING BUILDING RESURFACING



Dryvit System - Outsulation

DOES NOT APPLY AT EXISTING BUILDING RESURFACING

SCALE: N.T.S.



Dryvit Grade Termination at Outsulation DOES NOT APPLY AT EXISTING BUILDING RESURFACING

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METAL FRAMING SYSTEM

DRYVIT ADHESIVE

3/4" OSB

DRAWN BY L.O. CHECKED BY W.A.K. March 15th, 2017 JOB NO. **689**

SHEET

GENERAL STRUCTURAL NOTES

(APPLY UNLESS NOTED OTHERWISE ON PLANS/DETAILS)

GENERAL REQUIREMENTS:

- 1. THE STRUCTURAL SYSTEMS AND MEMBERS DEPICTED HEREIN HAVE BEEN DESIGNED PRIMARILY TO SAFEGUARD AGAINST MAJOR STRUCTURAL DAMAGE AND LOSS OF LIFE, NOT TO LIMIT DAMAGE OR MAINTAIN FUNCTION (IBC SECTION 101.3).
- 2. THESE DRAWINGS, AND THEIR ASSOCIATED STRUCTURAL CALCULATIONS, HAVE BEEN PERFORMED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE STRUCTURAL ENGINEER'S IN THIS OR SIMILAR LOCALITIES. THEY NECESSARILY ASSUME THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKMEN WHO HAVE A WORKING KNOWLEDGE OF THE INTERNATIONAL BUILDING CODE CONVENTIONAL FRAMING REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR FRAMING ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, IT IS UNDERSTOOD THAT THE CONTRACTOR WILL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR ALL MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
- 3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION SUCH THAT DESIGN LIVE LOAD PER SQUARE FOOT AS STATED HEREIN IS NOT EXCEEDED. OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS USED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, AND SHALL COORDINATE ALL DETAILS.
- 4. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN. TYPICAL DETAILS AND NOTES ARE NOT NECESSARILY INDICATED ON THE PLANS, BUT SHALL APPLY NONE-THE-LESS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT. DETAILS MAY SHOW ONLY ONE SIDE OF CONNECTION OR MAY OMIT INFORMATION FOR CLARITY.
- 5. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL WITH APPROPRIATE TRADES. DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT AND STRUCTURAL ENGINEER.
- 6. ANY INSPECTIONS, SPECIAL (IBC CHAPTER 17) OR OTHERWISE THAT ARE REQUIRED BY THE BUILDING CODES, LOCAL BUILDING DEPARTMENTS, OR BY THESE PLANS SHALL BE DONE BY AN INDEPENDENT INSPECTION COMPANY OR THE BUILDING DEPARTMENT, SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AN OFFICIAL INSPECTION, UNLESS SPECIFICALLY CONTRACTED FOR.
- 7. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS, THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DRAWINGS SHALL BE FLAGGED UPON HIS REVIEW. VERIFY ALL DIMENSIONS WITH ARCHITECT. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM ORIGINAL CONTRACT DRAWINGS SHALL BE CLOUDED. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER THE STRUCTURAL ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY. ANY ENGINEERING PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A STRUCTURAL ENGINEER REGISTERED IN THE APPROPRIATE STATE. THE SHOP DRAWINGS DO NOT REPLACE THE ORIGINAL CONTRACT DRAWINGS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER ARE NOT TO BE CONSIDERED CHANGES TO ORIGINAL DRAWINGS. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY THE OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR. ALLOW (5) WORKING DAYS FOR THE STRUCTURAL ENGINEER'S REVIEW. ONE COPY OF EACH SUBMITTAL WILL BE RETAINED FOR THE STRUCTURAL ENGINEER'S RECORDS.

BASIS FOR DESIGN:

- 1. BUILDING CODE: 2012 EDITION OF THE IBC WITH CITY/COUNTY AMENDMENTS.
- RISK CATEGORY = II
- 2. VERTICAL LOADS:

LOCATION

ROOF

3. SEISMIC DESIGN PARAMETERS:		
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE	
IMPORTANCE FACTOR	le = 1.00	
SITE CLASS	D	
SEISMIC DESIGN CATEGORY	С	
SPECTRAL RESPONSE ACCELERATIONS	Sms = 0.481, Sm1 = 0.216	
SPECTRAL RESPONSE	Sds = 0.321, Sd1 = 0.144	

LIVE / SNOW

LOAD

30 PSF

DEAD LOAD

13 PSF

4. WIND DESIGN PARAMETERS (STRENGTH):

COEFFICIENTS

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
ULTIMATE WIND SPEED	115 MPH (3 SECOND GUST)			
WIND EXPOSURE	С			
IMPORTANCE FACTOR	Iw = 1.00			
INTERNAL PRESSURE COEFFICIENT	-0.18			
COMPONENT AND CLADDING PRESSURE	20 PSF			
NET UPLIFT ON ROOF	5 PSF			

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.

STEEL DECKING (ICBO #2078):

- 1. ROOF DECK(HSB-36): DECK SHALL BE 1-1/2" DEEP, 36" WIDE, 20 GAGE GALVANIZED STEEL, WITH MINIMUM YIELD STRESS OF 33 KSI, WITH MINIMUM S = 0.248 IN^3 AND $I = 0.216 \text{ IN}^4 \text{ PER FOOT OF WIDTH.}$
- 2. ROOF DECK ATTACHMENT: DECK SHALL ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AS SPAN MINIMUM AND SHALL BE ATTACHED FOR A MINIMUM DIAPHRAGM SHEAR CAPACITY OF 355 PLF. SCREW DECK TO SUPPORTING MEMBERS WITH #12 TEKS SCREWS AT 36/4 SCREW PATTERN AT SHEET ENDS, END LAPS AND AT INTERMEDIATE SUPPORTS, AND AT 12" ON CENTER AT PERIMETER BEAMS AND OPENING EDGES RUNNING PARALLEL TO THE DECK. SIDE SEAM ATTACHMENT SHALL BE #10 TEKS SCREWS AT 12" ON CENTER.

COLD FORMED STEEL (ICBO ER 4943P):

- 1. MATERIALS: STANDARD COLD-FORMED STEEL STUDS, JOISTS, TRACK, BRIDGING AND STRAPS SHALL CONFORM TO AISI NAS-01 WITH 2004 SUPPLEMENT (FY = 33 KSI). STEEL FOR PURLINS AND GIRTS SHALL CONFORM TO (FY = 55 KSI). STEEL SHALL BE GALVANIZED AT EXTERIOR WALLS AND FRAMING.
- 2. FRAMING SHALL BE FABRICATED AND ERECTED IN 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(AISI).
- 3. ALL WELDING SHALL BE PERFORMED BY WELDERS EXPERIENCED IN LIGHT GAGE STRUCTURAL STEEL FRAMING WORK. MEMBERS SHALL HAVE THE FOLLOWING MINIMUM EFFECTIVE PROPERTIES PER STEEL STUD MANUFACTURERS ASSOCIATION(SSMA):

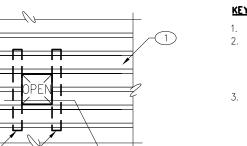
SPECIAL INSPECTION ITEMS:

1. THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR DURING CONSTRUCTION OF CERTAIN TYPES OF WORK. PER IBC SECTION 1704 AND THE STRUCTURAL ENGINEER OF RECORD, SPECIAL INSPECTION IS (IS NOT) REQUIRED AS FOLLOWS:

TYPE OF WORK:	REQUIRED:	REMARKS:
WELDING	YES	AFTER WORK IS COMPLETE
FIELD WELDING	YES	AFTER WORK IS COMPLETE
STEEL TO STEEL BOLTED CONNECTIONS	YES	AFTER WORK IS COMPLETE

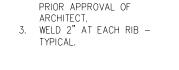
SPECIAL INSPECTIONS NOT LISTED ABOVE ARE NOT REQUIRED.

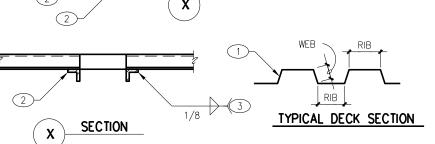
- 2. DESIGNATION OF SPECIAL INSPECTOR:
- A. FOR STRUCTURAL ITEMS LISTED ABOVE, THE SPECIAL INSPECTOR SHALL BE, OR WORK UNDER THE DIRECT SUPERVISION OF THE STRUCTURAL ENGINEER OF RECORD - FROST STRUCTURAL ENGINEERING (928)776-4757.
- B. FOR GEOTECHNICAL ITEMS LISTED ABOVE, THE SPECIAL INSPECTOR SHALL BE, OR WORK UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OF RECORD. SEE GEOTECHNICAL REPORT FOR CONTACT INFORMATION.
- C. THE OWNER, AT HIS OPTION, MAY DESIGNATE AN ALTERNATE SPECIAL INSPECTOR. OBTAIN THE REQUIRED CERTIFICATE(S), AND MAKE THE NECESSARY NOTIFICATIONS TO ALL PARTIES INVOLVED. THE ALTERNATE SPECIAL INSPECTOR SHALL BE A LICENSED STRUCTURAL ENGINEER (OR GEOTECHNICAL ENGINEER FOR GEOTECHNICAL ITEMS) OR AN ICBO CERTIFIED SPECIAL INSPECTOR.
- D. TO SCHEDULE ANY SPECIAL INSPECTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SPECIAL INSPECTOR AT LEAST ONE DAY IN
- 3. QUALITY ASSURANCE PROGRAM:
- A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS WITH THE APPROVED DESIGN DRAWINGS AND
- B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE STRUCTURAL ENGINEER OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DESIGN AUTHORITY AND THE BUILDING
- C. UPON COMPLETION OF THE ASSIGNED WORK THE STRUCTURAL ENGINEER SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE INTERNATIONAL BUILDING CODE.



KEY NOTES:

1. STEEL DECK. . ANGLE SUPPORT 2X2X¾6 BELOW DECK — ANGLE MAY BE PLACED ON TOP OF DECK WITH





AN OPENING WHICH CUTS ONE WEB (4" MAX DIMENSION PERPENDICULAR TO RIBS), MAY BE CUT IN DECK WITHOUT ANY SPECIAL REINFORCING. AN OPENING WHICH CUTS TWO WEBS (8" MAX DIMENSION PERPENDICULAR TO RIBS), WILL REQUIRE ANGLE SUPPORT SHOWN ABOVE. ANY OPENING WHICH CUTS MORE THAN TWO WEBS, FRAME OPENING WITH TYPICAL ANGLE SUPPORT FRAME, SEE TYPICAL OPENING IN STEEL DECK DETAIL.

TYPICAL SMALL OPENING IN STEEL DECK

	IATIONS		
A.B.C. — — — AGGR A/C — — — AIR (A.F.F. — — ABON ALT. — — AT (I B.A.B. — — AT (I BM — — BEAM B.F.F — — BELO B.O.B. — — BOTT B.O.D. — BOTT B.O.D. — BOTT C.L. — — CAST C.L. — — CENT CLE — — CONC CONC S.J. — CONC CONC CONC S.J. — CONC CONC CONC D. — — CONC CONC CONC CONC D. — — CONC CONC CONC CONC CONC CONC CONC CONC	CONDITIONER WE FINISHED FLOOR RNATE HOR BOLT MEASUREMENT) W FINISHED FLOOR OM OF BEAM OM OF BEAM OM OF FOOTING RING IN PLACE RERLINE OF BEAM FERLINE OF BEAM FERLINE OF FOOTING FERLINE OF WALL R RETE CRETE CONTROL JOINT CRETE SAWCUT JOINT CRETE WASONRY UNIT CRETE SAWCUT JOINT CRETE SAW	I.F.W. — — — — — — — — — — — — — — — — — —	1000 POUNDS LIVE LOAD - POUNDS LONG LEG HORIZONTAL - LONG LEG VERTICAL - MANUFACTURER('S) - MASONRY CONTROL JOINT - MECHANICAL - NOT APPLICABLE - NOT TO SCALE - ON CENTER - OUTSIDE FACE OF WALL - OPPOSITE - PRECAST CONCRETE - PRECAST CONCRETE - POUNDS PER LINEAR FOO - PREFABRICATED - POUNDS PER SQUARE FOO - POUNDS PER SQUARE INC - REINFORCING - SHORT LEG HORIZONTAL - SHORT LEG VERTICAL - SHORT LEG VERTICAL - SIMILAR - SQUARE - STANDARD - TOTAL LOAD - TOP OF BEAM - TOP OF BEAM - TOP OF DECK - TOP OF LEDGER - TOP OF MASONRY - TOP OF MASONRY - TOP OF MASONRY - TOP OF STEEL - TOP OF WALL - TYPICAL - WELDED WIRE FABRIC

	DRAWING INDEX			
SHEET	DESCRIPTION	DETAILS		
S1	GENERAL STRUCTURAL NOTES	T-SERIES		
S2	FOUNDATION PLAN	200-SERIES		

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JOB NO.: 2017-0003 PROJECT MANAGER: CRM CAD OPERATOR: MJS

FROST STRUCTURAL ENGINEERING

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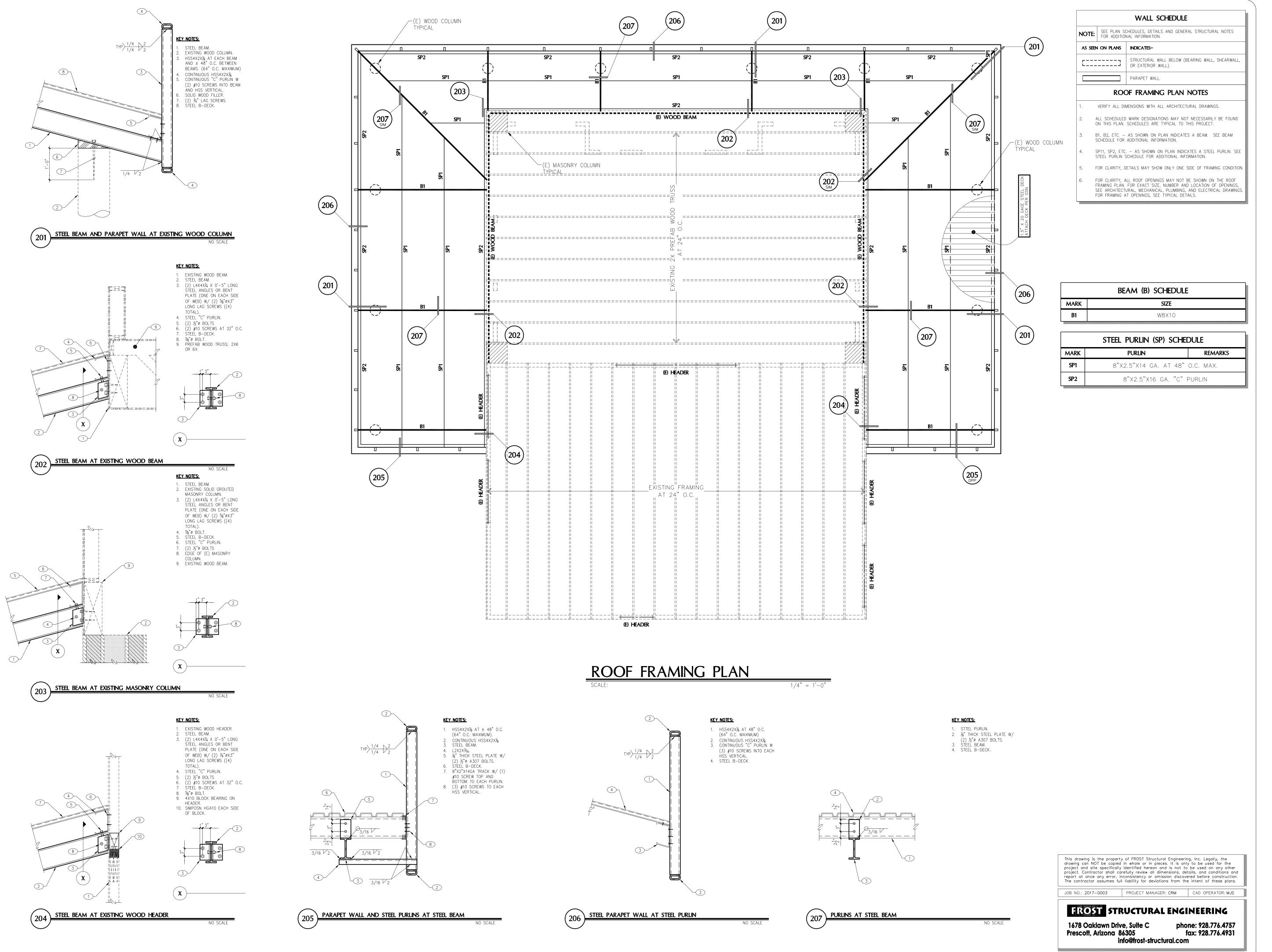
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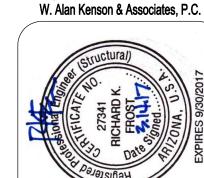
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minaire Schedule					
SYMBOL	CATALOG#	DESCRIPTION	LAMP	WATTS	
0	LITHONIA LDN6 40/20 LO6PR 120	6" RECESSED DOWNLIGHT	LED - 4000K COLOR TEMP / 2000 LUMENS	35	

		De
WATTS		1.
35		2

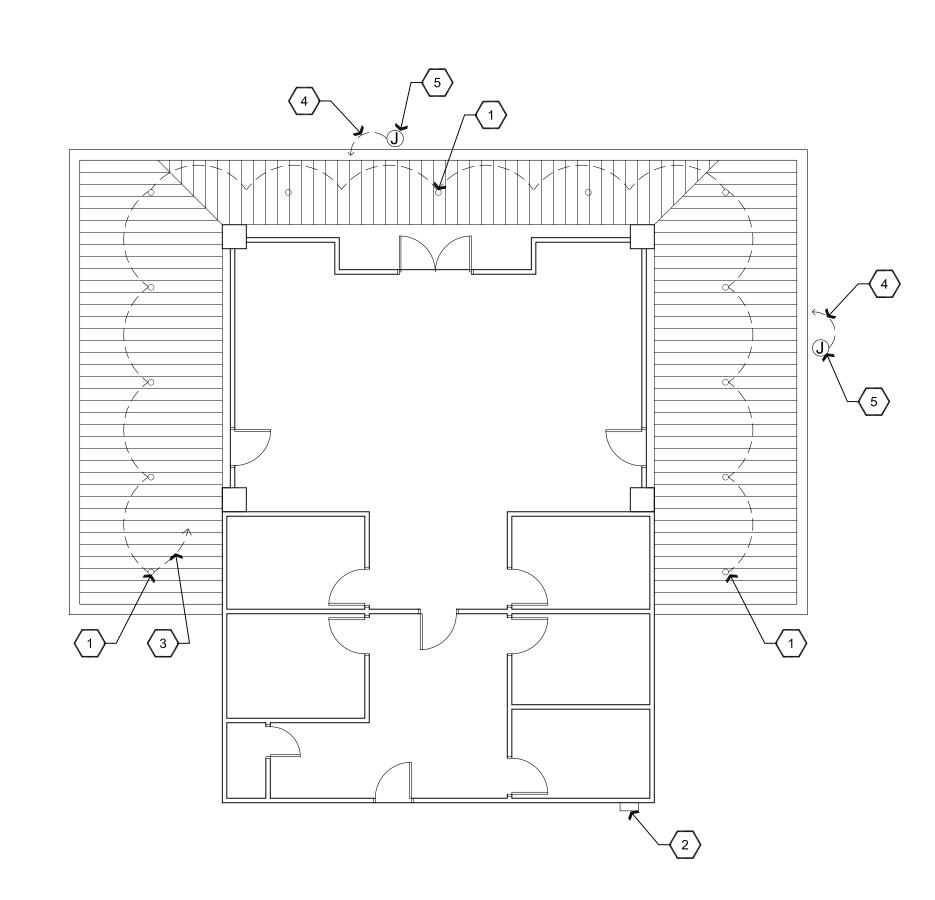
scriptive Keynotes 🔘

RECESSED LIGHT, TYPICAL. EXISTING ELECTRIC SERVICE ENTRANCE

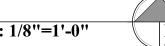
HOME RUN TO EXISTING HOUSE PANEL, 20 AMP CIRCUIT, LIGHTS TO OPERATE ON REMOTE PHOTOCELL.

4. HOME RUN TO EXISTING HOUSE PANEL, EXISTING SIGN CIRCUIT, SIGN TO OPERATE ON REMOTE PHOTO CELL.

5. JUNCTION BOX.









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DRAWN BY
L.O.
CHECKED BY
W.A.K. March 15th, 2017

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