

TIMBER RIDGE COTTAGES OFFICE BUILDING

SECTION 8, TOWNSHIP 18, RANGE 15 BROKEN ARROW, WAGONER COUNTY, OK



STARK WILSON DUNCAN ARCHITECTS INC 315 NICHOLS RD, STE 228 - KANSAS CITY, MO 64112 - T 816.531.1698 F 816.531.1978

SHEET SCHEDULE

COVER SHEET

ALTA SURVEY SITE PLAN SITE DETAILS

ARCHITECTURAL DRAWINGS

OFFICE CODE ANALYSIS

OFFICE FLOOR PLANS, ROOF PLAN & INTERIOR ELEVATIONS

OFFICE BUILDING ELEVATIONS

OFFICE WALL SECTIONS OFFICE SECTIONS & DETAILS OFFICE SECTIONS & DETAILS

OFFICE REFLECTED CEILING PLANS, DOOR, WINDOW \$ ROOM FINISH SCHEDULE

STRUCTURAL DRAWINGS

GENERAL NOTES & SCHEDULES 0 50.2 TYPICAL SECTIONS

OFFICE STRUCTURAL FLOOR PLANS

OFFICE STRUCTURAL PLANS

0 S3.I

MEP DRAWINGS

O MPEO.I OFFICE BUILDING SYMBOLS LEGEND O MPEI.O MPE SITE PLAN

OFFICE BUILDING MPE ROOF PLAN

OFFICE BUILDING MECHANICAL PLAN OFFICE BUILDING MECHANICAL DETAILS OFFICE BUILDING MECHANICAL SCHEDULES

OFFICE BUILDING PLUMBING PLAN OFFICE BUILDING PLUMBING SCHEDULES & DETAILS

OFFICE BUILDING ELECTRICAL PLAN OFFICE BUILDING ELECTRICAL DETAILS

OFFICE BUILDING ELECTRICAL SCHEDULES

GENERAL PROJECT NOTES

- A. ALL WORK TO MEET ALL APPLICABLE BUILDING, PLUMBING, MECHANICAL, ELECTRICAL, ADA/HANDICAP ACCESSIBILITY & LIFE SAFETY CODES & REQUIREMENTS.
- B. THE GENERAL CONTRACTOR & ALL SUBCONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES TO ALL BUILDING SPECIFIC REQUIREMENTS & EXTENTS OF THE WORK PRIOR TO BIDDING. NO CHANGES IN THE CONTRACT WILL BE CONSIDERED FOR INFORMATION DISCERNIBLE FROM THE DRAWINGS.
- C. DO NOT SCALE DRAWINGS. FIELD VERIFY ALL EX. CONDITIONS, DIMENSIONS, ELEVATIONS, ETC. PRIOR TO ORDERING, FABRICATION, ETC ..
- D. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN THE PROJECT DOCUMENTS & EX.
- REFERENCE ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL & PLUMBING PLANS FOR ADDITIONAL INFORMATION.
- F. INSTALL NON-EXPANDING SPRAY FOAM INSULATION AT WINDOW & EXTERIOR DOOR BLOCKING. SEAL ALL CRACKS, GAPS & HOLES (FLOOR / WALL JOINT, WALL TOP PLATE, ELEC. OUTLET BOXES, MEP PENETRATING ITEMS, HVAC SUPPLY & RETURN BOOTS, ETC.) IN THE GYP. BD. BUILDING ENVELOPE (WALLS & CEILING) WITH CAULK OR EXPANDING FOAM. ALL UNITS WILL BE REQUIRED TO MEET A MAX. BLOWER DOOR SCORE OF 4ACH50.
- G. PARTICLE BOARD & MDF TO BE CERTIFIED COMPLIANT WITH ANSI A208.1 \$ A208.2, UREA FORMALDEHYDE-FREE COMPOSITE WOOD.
- H. CAULK ALL JOINTS BETWEEN DISSIMILAR MATERIALS FOR WEATHERPROOF, WATERPROOF, AIRTIGHT, ETC. PERFORMANCE.
- ALL COLOR SELECTIONS BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
- REFER TO DOOR SCHEDULE FOR DOOR \$ HARDWARE REQUIREMENTS. THE HINGE SIDE OF THE DOOR JAMB SHALL BE 4" FROM THE ADJACENT WALL, UNLESS SHOWN OTHERWISE.
- K. REFER TO SHEET AO.I FOR TYPICAL FIRESTOPPING DETAILS. 078413.
- TERMITE TREATMENT SHALL BE INSTALLED PRIOR TO INSTALLING BUILDING SLAB.

PROJECT TEAM

STARK WILSON DUNCAN ARCHITECTS INC. 315 NICHOLS ROAD, SUITE 228 KANSAS CITY, MISSOURI 64112 TEL 816 531 1698 FAX 816 531 1978

STRUCTURAL

BOB D. CAMPBELL 4338 BELLEVIEW KANSAS CITY, MO 64111 TEL 816 531 4144 FAX 816 531 8572

MECHANICAL, ELECTRICAL \$ PLUMBING ENGINEER

HOSS & BROWN ENGINEERS INC. 11205 WEST 79TH STREET LENEXA, KANSAS 66214 TEL 913 362 9090 FAX 913 362 9696

CROCKETT ENGINEERING CONSULATANTS, LLC 1000 W NIFONG BLYD, BLDG I COLUMBIA, MO 65202 TEL 573 447 0292

DEVELOPER

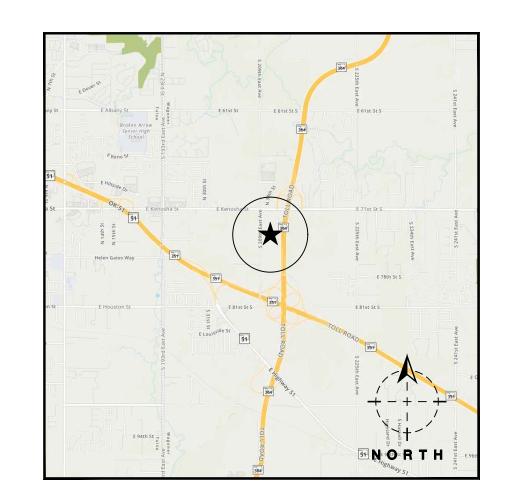
DHTC DEVELOPMENT, LLC 1900 E. LARK LANE NIXA, MISSOURI 65714 TEL 417 224 3035

GENERAL CONTRACTOR

OLYMPUS CONSTRUCTION, INC. 2506 W. WASHINGTON JONESBORO, ARKANSAS 72401 TEL 870 932 6670 FAX 870 932 0856

ISSUE DATE:

OCTOBER 18, 2019



- I. TRASH ENCLOSURE. RE: TO A5/SPI.2.
- MAILBOX(S). RE: A7/SPI.2. PROVIDE CONCRETE PAD AT EACH LOCATION. RE: CIVIL. 105500.13
- REDUCE DEPTH OF CONCRETE PATIO THIS LOCATION.
 REFER TO A6/AI.I FOR ADDITIONAL INFORMATION.



ARCHITECTURAL CORPORATION OKLAHOMA CERTIFICATE

OF AUTHORITY NO. CA 02479

COTTAGES RIDGE TIMBER

SEAL ARCHITECT - TIMOTHY O.K. WILSON LICENSE NO. 6082



SITE PLAN

ISSUE DATE: OCTOBER 18, 2019

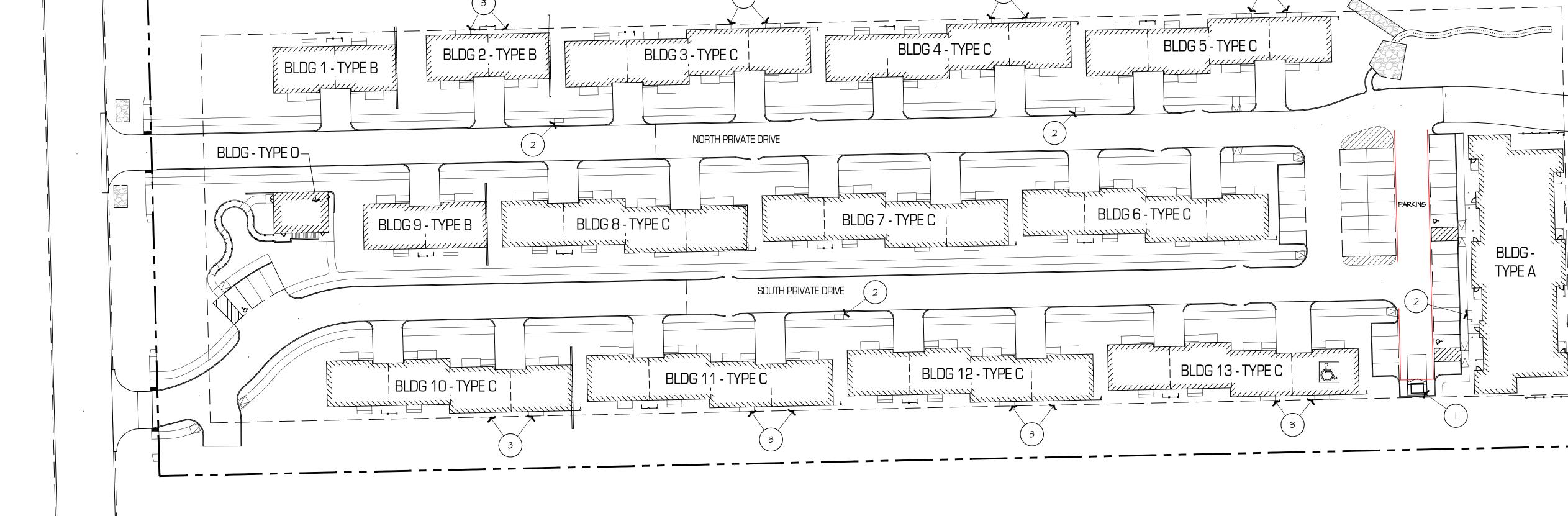
REVISIONS:

PROJECT NO.: 1902

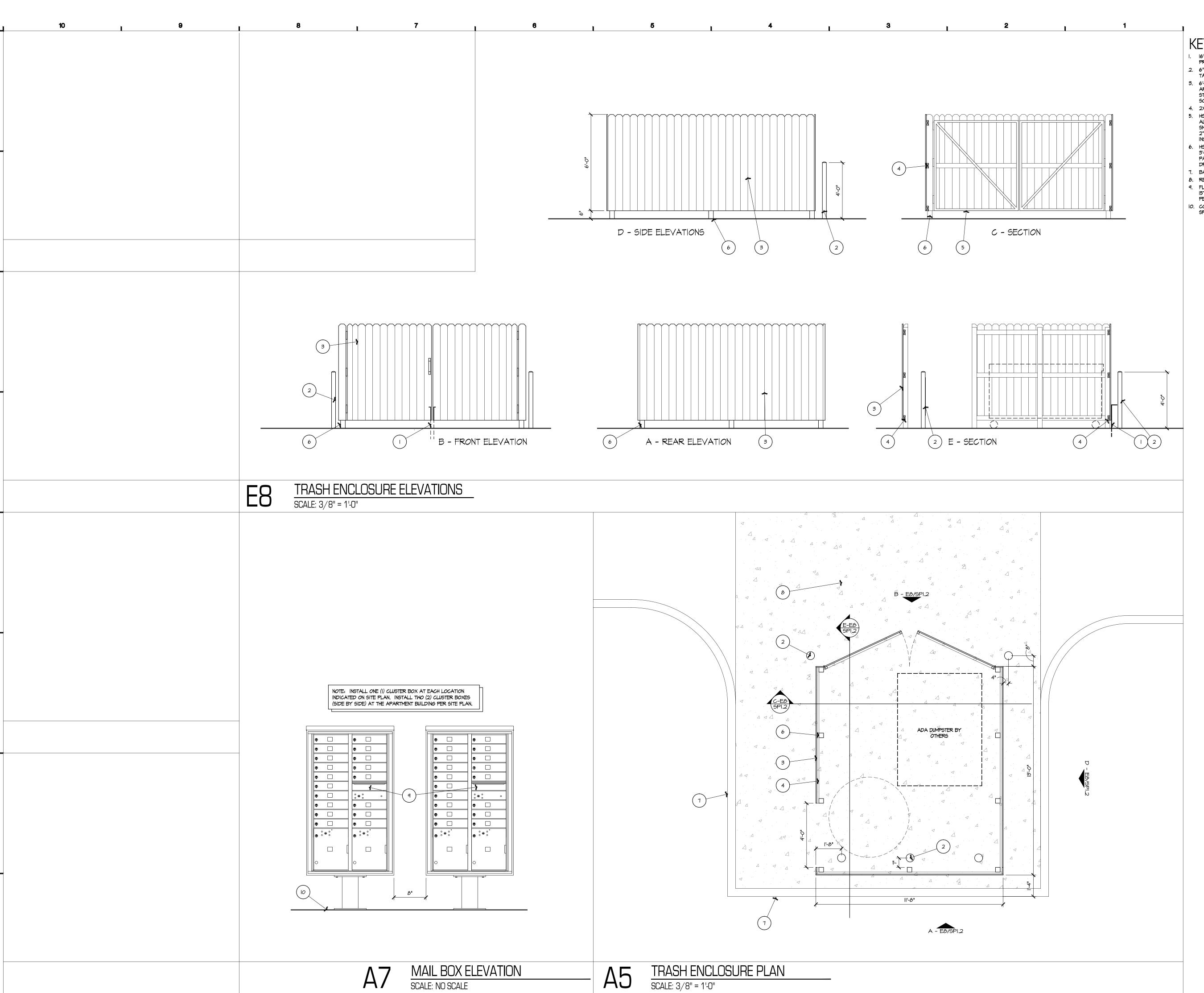
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 $A2 \frac{\text{SITE PLAN}}{\text{SCALE: } 1" = 40' - 0"}$

NORTH



10 ₁ 9 ₁ 8 ₁ 7 ₁ 6 ₁ 5 ₁ 4 ₁ 3 ₁ 2 ₁ 1



KEY NOTE

- I6" TALL CANE BOLT, PROVIDE HOLE IN CONCRETE. PROVIDE I FOR EACH GATE. PAINT.
- PROVIDE I FOR EACH GATE, PAINT.

 2. 6" DIA, CONCRETE FILLED STEEL BOLLARD AT 4'-0"
- TALL. PAINT. EMBED 3'-O" MIN. INTO CONCRETE.

 3. 6'-O" TALL VINYL FENCING BY 'VERANDA'. COLOR BY ARCHITECT. INSTALL TO WOOD FRAMING FOR ENHANCED STRENGTH & DURABILITY. FASTEN WITH EXTERIOR GRADE SCREWS.
- 4. 2X4 TREATED WOOD FENCE FRAMING.
- HSS I I/2" X I I/2" X 3/16" STEEL TUBE GATE FRAMING.
 ALL CONNECTIONS FULLY WELDED. GRIND WELDS
 SMOOTH. PAINT. SCREW FENCING TO STEEL TUBING WITH
 2" SELF DRILLING TEK #5 SCREWS. PROVIDE AND
 INSTALL 3 HEAVY DUTY HINGES ON EACH GATE.
 HSS 3 I/2" X 3 I/2" X 3/16" TUBE STEEL POSTS SET IN MIN.
- 6. HSS 3 1/2" X 3 1/2" X 3/16" TUBE STEEL POSTS SET IN MIN. 3'-O" DEEP CONCRETE. CAP POSTS WITH STEEL PLATE. PAINT. SCREW FRAMING TO STEEL POSTS WITH 3" SELF DRILLING TEK #5 SCREWS. PAINT.
 7. BACK OF CURB. REFER TO CIVIL PLANS.
- BACK OF CURB. REFER TO CIVIL PLANS.REINFORCED CONCRETE SLAB. REFER TO CIVIL PLANS.
- 9. FLORENCE CORPORATION CLUSTER MAIL BOX VITAL 1570-18. COLOR POSTAL GREY, NUMBERING OF MAILBOX
- PER THE REQUIREMENTS OF THE LOCAL POSTAL SERVICE.

 IO. CONCRETE PAD PER CLUSTER MAIL BOX MFG

 SPECIFICATIONS.



ARCHITECTURAL CORPORATION
OKLAHOMA CERTIFICATE

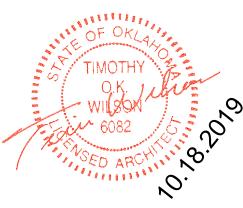
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SECTION 8, TOWNSHIP 18, RANGE 15
BROKEN ARROW, WAGONER COUNTY, OK

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SITE DETAILS

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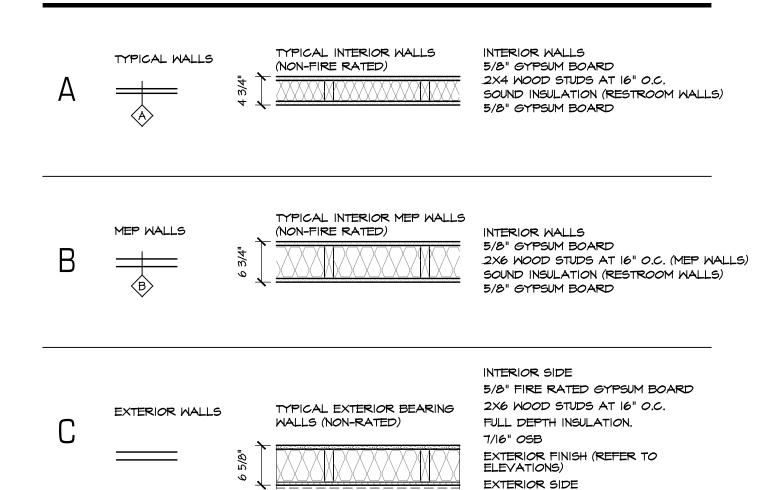
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SP1.2

6

- 2. ALL GYP. BD. TO BE ATTACHED TO WALLS & CEILINGS WITH DRYWALL SCREWS EQUIVALENT LENGTH OF NAIL.
- 3. GYP. BD. CEILINGS TO BE SCREWED TO TRUSS @ 6" O.C.,

WALL TYPES



CODE INFORMATION

LOCAL ADOPTED CODES:

BUILDING: IBC 2015 INTERNATIONAL BUILDING CODE IECC 2015 INTERNATIONAL ENERGY CONSERVATION CODE MECHANICAL: IMC 2015 INTERNATIONAL MECHANICAL CODE PLUMBING: IPC 2015 INTERNATIONAL PLUMBING CODE

IFC 2015 INTERNATIONAL FIRE CODE ELECTRICAL: NEC 2015 NATIONAL ELECTRICAL CODE

ZONING: PUD

2

PARKING: 3 PLUS I ACCESSIBLE VAN PARKING PROVIDED (4 TOTAL)

OCCUPANCY CLASSIFICATION: B & A3

BUILDING HEIGHT: 60' ALLOWABLE (IBC TABLE 504.3) 26'-7" ACTUAL

BUILDING AREA: 18,000 SF ALLOWABLE (IBC TABLE 506.2) 1819 ACTUAL

TYPE OF CONSTRUCTION: TYPE VB

THE BUILDING IS NOT SPRINKLERED

<u>BUILDING AREA:</u>

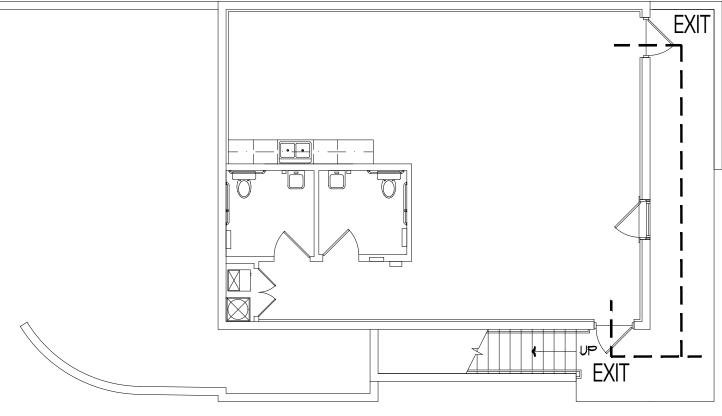
IST FLOOR - 918 NSF 2ND FLOOR - 901 NSF = 1819 NSF

OCCUPANT LOAD:

ROOF

IST FLOOR - 918 SF / 15(A3) = 60 OCCUPANTS 2ND FLOOR - 901 SF / 100(B) = 9 OCCUPANTS 69 OCCUPANTS

FIRE RESISTIVE REQUIREMENTS (MINIMUMS) PER IBC TABLE 601 STRUCTURAL FRAME EXTERIOR BEARING WALLS INTERIOR BEARING WALLS INTERIOR NONBEARING WALLS



ACCESSIBLE ROUTE = - - - -

FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



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AGES

RIDGE

TIMBER

OF AUTHORITY NO. CA 02479

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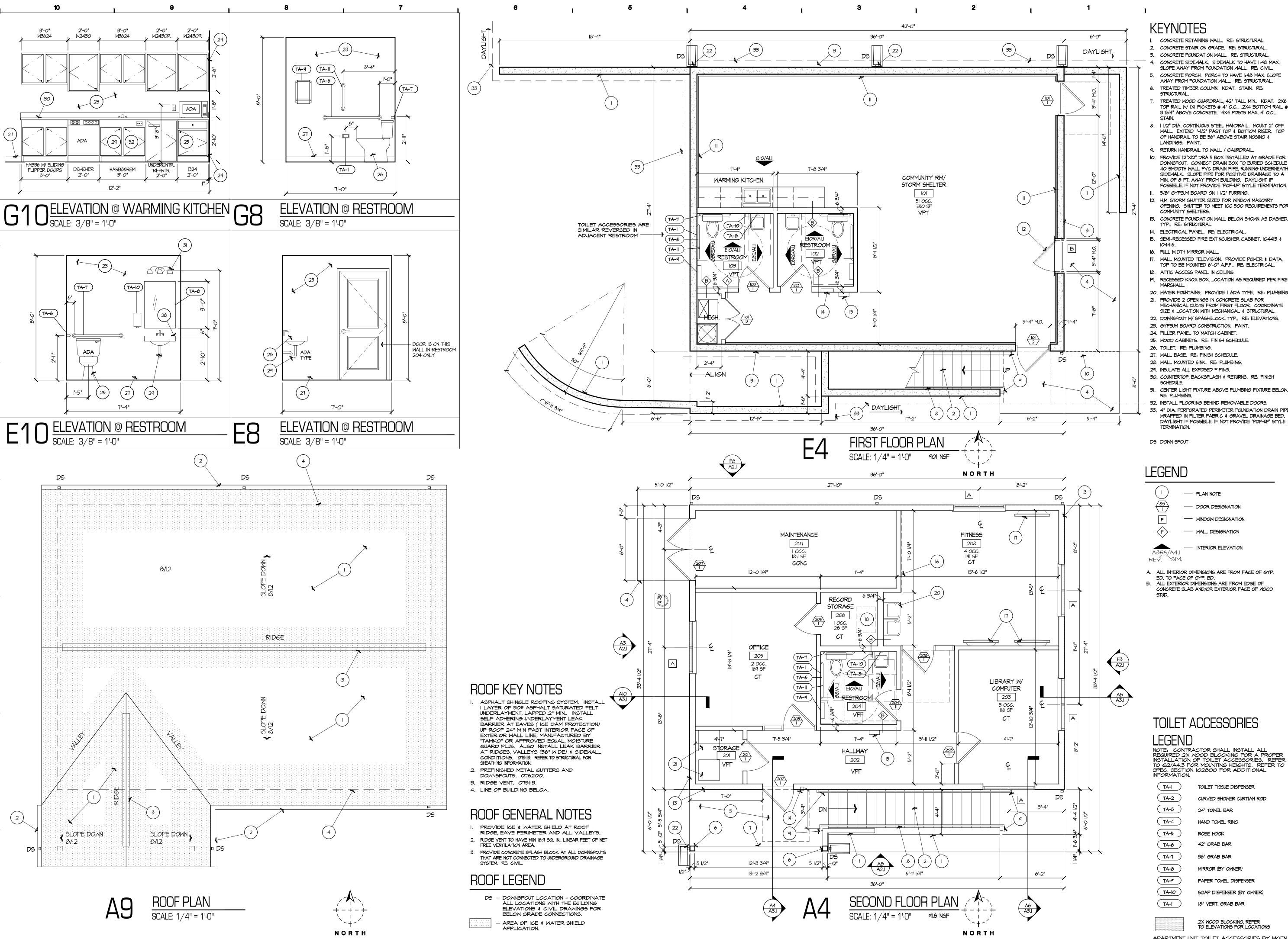


OFFICE CODE ANALYSIS

ISSUE DATE: OCTOBER 18, 2019

REVISIONS:

PROJECT NO.: 1902



KEYNOTES

- CONCRETE RETAINING WALL. RE: STRUCTURAL. 2. CONCRETE STAIR ON GRADE. RE: STRUCTURAL.
- 3. CONCRETE FOUNDATION WALL. RE: STRUCTURAL. 4. CONCRETE SIDEWALK. SIDEWALK TO HAVE 1:48 MAX.
- SLOPE AWAY FROM FOUNDATION WALL. RE: CIVIL. CONCRETE PORCH. PORCH TO HAVE 1:48 MAX. SLOPE AWAY FROM FOUNDATION WALL. RE: STRUCTURAL. . TREATED TIMBER COLUMN. KDAT. STAIN. RE:
- STRUCTURAL. TREATED WOOD GUARDRAIL, 42" TALL MIN.. KDAT. 2X6 TOP RAIL W IXI PICKETS @ 4" O.C.. 2X4 BOTTOM RAIL @ 3 3/4" ABOVE CONCRETE. 4X4 POSTS MAX. 4' O.C..
- 8. I I/2" DIA. CONTINUOUS STEEL HANDRAIL. MOUNT 2" OFF WALL. EXTEND I'-1/2" PAST TOP & BOTTOM RISER. TOP
- LANDINGS. PAINT. 9. RETURN HANDRAIL TO WALL / GAURDRAIL. 10. PROVIDE 12"X12" DRAIN BOX INSTALLED AT GRADE FOR DOWNSPOUT. CONNECT DRAIN BOX TO BURIED SCHEDULE
- 40 SMOOTH WALL PVC DRAIN PIPE, RUNNING UNDERNEAT SIDEWALK. SLOPE PIPE FOR POSITIVE DRAINAGE TO A MIN. OF 8 FT. AWAY FROM BUILDING. DAYLIGHT IF POSSIBLE, IF NOT PROVIDE POP-UP' STYLE TERMINATION
- 5/8" GYPSUM BOARD ON 1 1/2" FURRING. H.M. STORM SHUTTER SIZED FOR WINDOW MASONRY
- OPENING. SHUTTER TO MEET ICC 500 REQUIREMENTS FOR COMMUNITY SHELTERS. 13. CONCRETE FOUNDATION WALL BELOW SHOWN AS DASHED
- TYP.. RE: STRUCTURAL. 14. ELECTRICAL PANEL. RE: ELECTRICAL.
- 15. SEMI-RECESSED FIRE EXTINGUISHER CABINET. 104413 \$
- 16. FULL WIDTH MIRROR WALL. 17. WALL MOUNTED TELEVISION. PROVIDE POWER \$ DATA, TOP TO BE MOUNTED 6'-O" A.F.F.. RE: ELECTRICAL.
- 18. ATTIC ACCESS PANEL IN CEILING. 19. RECESSED KNOX BOX. LOCATION AS REQUIRED PER FIRE
- 20. WATER FOUNTAINS. PROVIDE I ADA TYPE. RE: PLUMBING 21. PROVIDE 2 OPENINGS IN CONCRETE SLAB FOR MECHANICAL DUCTS FROM FIRST FLOOR. COORDINATE
- SIZE & LOCATION WITH MECHANICAL & STRUCTURAL. 22. DOWNSPOUT W SPASHBLOCK. TYP.. RE: ELEVATIONS. 23. GYPSUM BOARD CONSTRUCTION. PAINT.
- 24. FILLER PANEL TO MATCH CABINET. 25. WOOD CABINETS. RE: FINISH SCHEDULE.
- 26. TOILET. RE: PLUMBING. 27. WALL BASE. RE: FINISH SCHEDULE.
- 28. WALL MOUNTED SINK. RE: PLUMBING. 29. INSULATE ALL EXPOSED PIPING.
- 30. COUNTERTOP, BACKSPLASH & RETURNS. RE: FINISH SCHEDULE.
- 31. CENTER LIGHT FIXTURE ABOVE PLUMBING FIXTURE BELOW RE: PLUMBING.
- 32. INSTALL FLOORING BEHIND REMOVABLE DOORS. 33. 4" DIA. PERFORATED PERIMETER FOUNDATION DRAIN PIPE WRAPPED IN FILTER FABRIC & GRAVEL DRAINAGE BED. DAYLIGHT IF POSSIBLE, IF NOT PROVIDE 'POP-UP' STYLE TERMINATION.

DS DOWN SPOUT

LEGEND

— DOOR DESIGNATION — WINDOW DESIGNATION

SEAL ARCHITECT - TIMOTHY O.K. WILSON LICENSE NO. 6082 CONCRETE SLAB AND/OR EXTERIOR FACE OF WOOD



ARCHITECTS

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AGI

RIDGE

TIMBER

FLOOR PLANS, ROOF PLAN & INTERIOR ELEVATIONS

OCTOBER 18, 2019

SPEC. SECTION 102800 FOR ADDITIONAL INFORMATION. TOILET TISSUE DISPENSER CURVED SHOWER CURTIAN ROD

(TA-4) HAND TOWEL RING (TA-5) ROBE HOOK (TA-6) 42" GRAB BAR (TA-7)

36" GRAB BAR (TA-8) MIRROR (BY OWNER)

(TA-9) PAPER TOWEL DISPENSER (TA-10) SOAP DISPENSER (BY OWNER) TA-II 18" VERT. GRAB BAR

24" TOWEL BAR

'VALE' STYLE, BRUSHED NICKEL FINISH.

2X WOOD BLOCKING, REFER TO ELEVATIONS FOR LOCATIONS APARTMENT UNIT TOILET ACCESSORIES BY MOEN,

PROJECT NO.: 1902

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- INTERIOR ELEVATION REV. SIM.

— WALL DESIGNATION

A. ALL INTERIOR DIMENSIONS ARE FROM FACE OF GYP. BD. TO FACE OF GYP. BD. B. ALL EXTERIOR DIMENSIONS ARE FROM EDGE OF



OFFICE

ISSUE DATE:

REVISIONS:

KEY NOTES

2

- I. VINYL WINDOW PER SCHEDULE, QUAKER MANCHESTER SERIES BASIS OF DESIGN. INTEGRAL WHITE COLOR. 085313
- 2. ENTRY DOOR W/ LITES, PAINT, RE: DOOR SCHEDULE. 3. INTEGRAL COLOR VINYL SHUTTERS. BOARD & BATTEN STYLE. COLOR TO BE SELECTED FROM MFR'S FULL RANGE. 4. CEMENT FIBER VERTICAL SIDING W/ BATTENS AT 16" O.C.
- AS INDICATED. 074646 5. 3 1/2" CEMENT FIBER BOARD WINDOW TRIM. WOOD GRAIN TEXTURE. PAINT. FLASH PER MFR'S RECOMMENDATIONS.
- 6. 5 1/2" CEMENT FIBER BOARD TRIM. WOOD GRAIN TEXTURE.

CENTER BATTENS ON GABLES WHERE SHOWN. SMOOTH

- PAINT. 074646 7. 7 1/4" CEMENT FIBER FASCIA. WOOD GRAIN TEXTURE. PAINT.
- 8. COMPOSITE WOOD FASCIA TO BE USED AS COLUMN BASE TRIM. 061533
- 9. ARCHITECTURAL ASPHALT SHINGLE ROOFING SYSTEM. COLOR TO BE "CHARCOAL." RE: ROOF PLAN. 073113
- 10. PRE-FINISHED 6" COMMERCIAL METAL GUTTER. 076200 II. PRE-FINISHED METAL DOWNSPOUT. TERMINATE AT GRADE.
- PROVIDE CONCRETE SPLASH BLOCK. 076200 12. PRE-FINISHED SHEET METAL ROOF DRIP EDGE FLASHING. COLOR TO MATCH ROOFING. 076200
- 13. MANUFACTURED STONE VENEER. 042113 14. MANUFACTURED STONE WATER TABLE SILL CAP. ALIGN CAP W/ WINDOW SILL OR FLOOR LINE AS SHOWN ON ELEVATION.
- 15. MANUFACTURED STONE WINDOW SILL. 042113
- 16. MANUFACTURED STONE ROWLOCK HEADER. 042113
- 17. MECHANICAL THROUGH WALL VENT. COLOR TO BE WHITE. PROVIDE FIBER CEMENT "TRIM BLOCK." RE: MEP.

18. BUILDING SIGNAGE. FONT TO BE SELECTED BY OWNER.

- 101400 19. CONCRETE RETAINING WALL. RE: STRUCTURAL.
- 20. CONCRETE STAIR ON GRADE. RE: STRUCTURAL. 21. CONCRETE FOUNDATION WALL SHOWN AS DASHED. TYP.
- RE: STRUCTURAL. 22. CONCRETE SIDEWALK. SIDEWALK TO HAVE 1:48 MAX. SLOPE AWAY FROM FOUNDATION WALL. RE: CIVIL.
- 23. CONCRETE PORCH. PORCH TO HAVE 1:48 MAX. SLOPE AWAY FROM FOUNDATION WALL. RE: STRUCTURAL.
- 24. TREATED TIMBER COLUMN, KDAT, STAIN, RE: STRUCTURAL. 25. TREATED WOOD GUARDRAIL, 42" TALL MIN.. KDAT. 2X6
- TOP RAIL W IXI PICKETS @ 4" O.C.. 2X4 BOTTOM RAIL @ 3 3/4" ABOVE CONCRETE. 4X4 POSTS MAX. 4' O.C.. STAIN. 26. I I/2" DIA. CONTINUOUS STEEL HANDRAIL. MOUNT 2" OFF WALL. EXTEND 1'-1/2" PAST TOP & BOTTOM RISER. TOP OF
- HANDRAIL TO BE 36" ABOVE STAIR NOSING & LANDINGS. RETURN HANDRAIL TO WALL / GAURDRAIL. PAINT. 27. HOLLOW METAL DOORS. PAINT. RE: DOOR SCHEDULE. 28. STORM SHELTER DOOR. PAINT. RE: DOOR SCHEDULE.
- 29. PROVIDE 12"X12" DRAIN BOX INSTALLED AT GRADE FOR DOWNSPOUT. CONNECT DRAIN BOX TO BURIED SCHEDULE 40 SMOOTH WALL PVC DRAIN PIPE, RUNNING UNDERNEATH SIDEWALK. SLOPE PIPE FOR POSITIVE DRAINAGE TO A MIN. OF 8 FT. AWAY FROM BUILDING. DAYLIGHT IF POSSIBLE, IF NOT PROVIDE 'POP-UP' STYLE TERMINATION.
- 30. TREATED TIMBER BRACE, KDAT, STAIN TO MATCH COMPOSITE TRIM. RE: STRUCTURAL
- 31. TREATED TIMBER FRAMING, KDAT, STAIN TO MATCH COMPOSITE TRIM. RE: STRUCTURAL



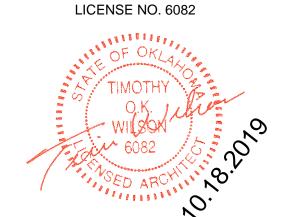
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OF AUTHORITY NO. CA 02479

SEAL ARCHITECT - TIMOTHY O.K. WILSON



OFFICE **BUILDING ELEVATIONS**

ISSUE DATE:

OCTOBER 18, 2019 **REVISIONS:**

EXTERIOR FINISHES

MANUFACTURER'S FULL RANGE.

ELEV. GENERAL NOTES

A. INSTALL COMPLETE SIDING SYSTEM ON SHEATHING. SIDING SYSTEM MANUFACTURED BY 'JAMES HARDIE BUILDING PRODUCTS.' INSTALL SIDING, TRIM, CAULK \$ FLASHING PER MANUFACTURER'S INSTRUCTIONS. FINISH AS INDICATED UNDER "EXTERIOR FINISHES." ALL DETAILS SHALL BE AS REQ'D BY THE MANUFACTURER.

B. CAULK ALL WINDOW FRAMES, DOOR FRAMES, DOOR SILLS, TRIM & EXTERIOR WALL PENETRATIONS AS

D. ALL OPERABLE WINDOWS AT DWELLING UNITS ABOVE THE FIRST FLOOR TO HAVE OPENING CONTROL DEVICES.

REQUIRED FOR WATERPROOF PERFORMANCE. COLOR TO MATCH ADJACENT TRIM / WALL SURFACE COLOR. USE CAULK TYPE RECOMMENDED BY MANUFACTURER FOR SPECIFIC JOINT MATERIAL & CONDITION. C. ALL COLOR SELECTIONS BY ARCHITECT FROM



A. ARCHITECTURAL TAB SHINGLE. GAF TIMBERLINE NATURAL SHADOW BASIS OF DESIGN. COLOR: "CHARCOAL"

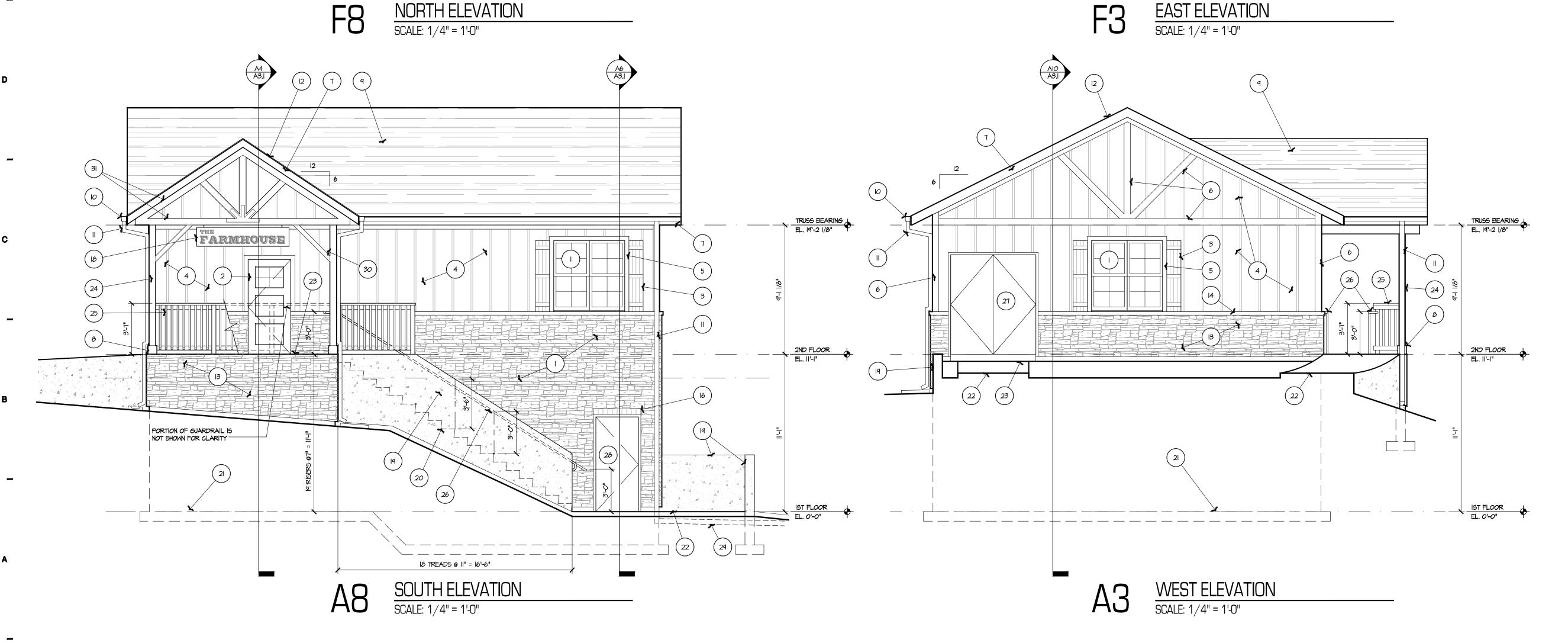


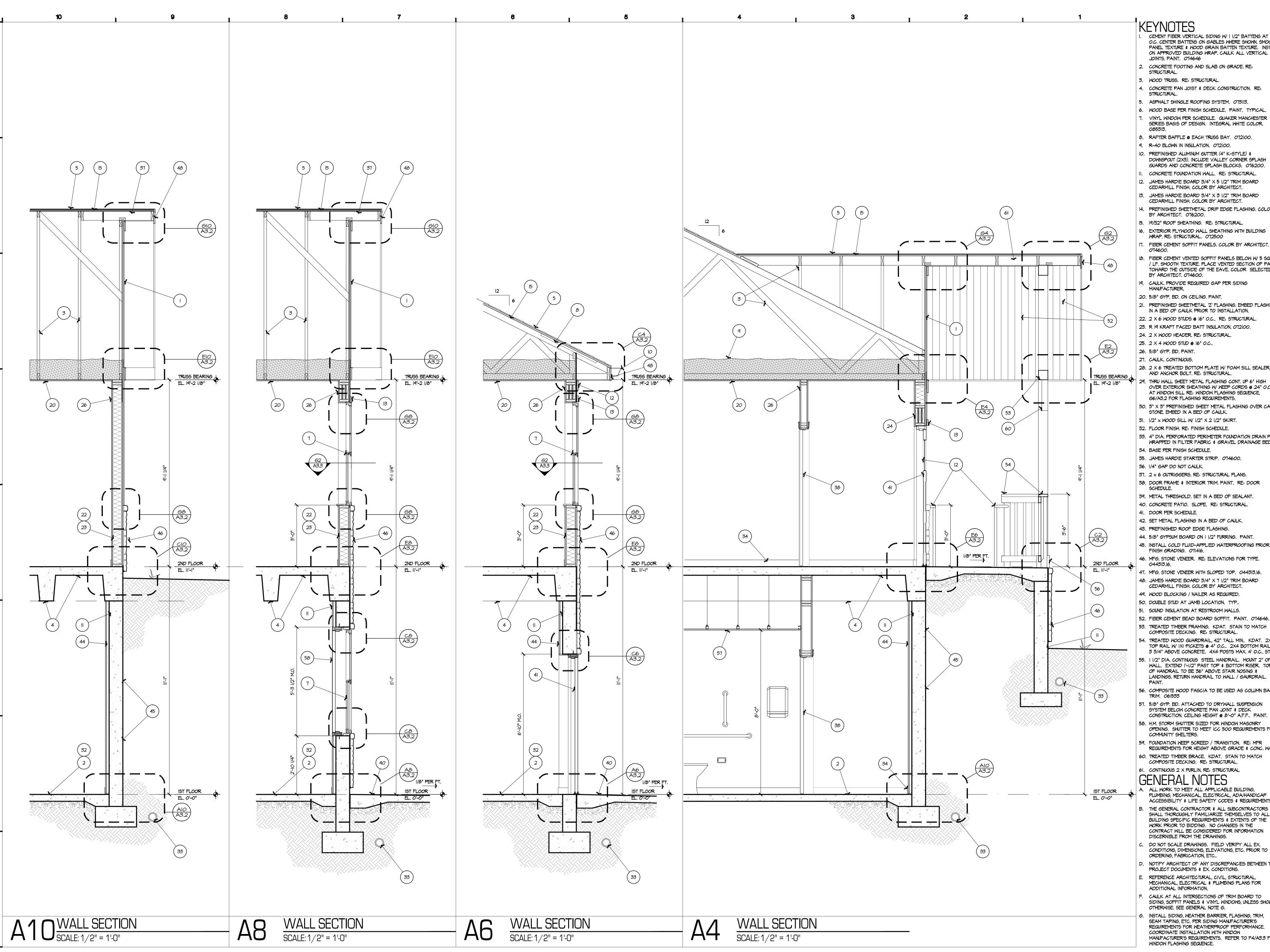
MANUFACTURED STONE VENEER, DUTCH QUALITY STONE BASIS OF DESIGN, COLOR: "LEDGESTONE QUAIL GREY"

CEMENT FIBER VERTICAL SIDING W BATTEN BOARDS AT 16 O.C.: JAMES HARDIE, PANEL TEXTURE: SMOOTH BATTEN BOARD TEXTURE: RUSTIC GRAIN COLOR: ARCTIC WHITE FOR PREFINISHED OR EXT-PI (TBD) FOR PAINT.



PROJECT NO.: 1902





CEMENT FIBER VERTICAL SIDING W/ 1 1/2" BATTENS AT 16" O.C. CENTER BATTENS ON GABLES WHERE SHOWN, SMOOTH PANEL TEXTURE \$ WOOD GRAIN BATTEN TEXTURE. INSTALL ON APPROVED BUILDING WRAP. CAULK ALL VERTICAL

- 2. CONCRETE FOOTING AND SLAB ON GRADE, RE: STRUCTURAL.
- 3. WOOD TRUSS. RE: STRUCTURAL.
- 4. CONCRETE PAN JOIST & DECK CONSTRUCTION. RE: STRUCTURAL.
- 5. ASPHALT SHINGLE ROOFING SYSTEM. 073113.
- 6. WOOD BASE PER FINISH SCHEDULE. PAINT. TYPICAL. 7. YINYL WINDOW PER SCHEDULE. QUAKER MANCHESTER SERIES BASIS OF DESIGN. INTEGRAL WHITE COLOR.
- 8. RAFTER BAFFLE @ EACH TRUSS BAY. 072100. 9. R-40 BLOWN IN INSULATION. 072100.
- IO. PREFINISHED ALUMINUM GUTTER (4" K-STYLE) & DOWNSPOUT (2X3). INCLUDE VALLEY CORNER SPLASH
- CONCRETE FOUNDATION WALL. RE: STRUCTURAL. 12. JAMES HARDIE BOARD 3/4" X 5 1/2" TRIM BOARD CEDARMILL FINISH. COLOR BY ARCHITECT.
- 13. JAMES HARDIE BOARD 3/4" X 3 1/2" TRIM BOARD CEDARMILL FINISH. COLOR BY ARCHITECT.
- 14. PREFINISHED SHEETMETAL DRIP EDGE FLASHING, COLOR
- BY ARCHITECT. 076200.
- 16. EXTERIOR PLYWOOD WALL SHEATHING WITH BUILDING WRAP. RE: STRUCTURAL. 012500
- FIBER CEMENT SOFFIT PANELS. COLOR BY ARCHITECT. FIBER CEMENT VENTED SOFFIT PANELS BELOW W/ 5 SQ. IN
- / LF. SMOOTH TEXTURE. PLACE VENTED SECTION OF PANEL TOWARD THE OUTSIDE OF THE EAVE. COLOR SELECTED BY ARCHITECT. 074600. CAULK. PROVIDE REQUIRED GAP PER SIDING
- MANUFACTURER.
- 21. PREFINISHED SHEETMETAL 'Z' FLASHING. EMBED FLASHING IN A BED OF CAULK PRIOR TO INSTALLATION.
- 22. 2 X 6 WOOD STUDS @ 16" O.C., RE: STRUCTURAL.
- 23. R 19 KRAFT FACED BATT INSULATION. 072100. 24. 2 X WOOD HEADER, RE: STRUCTURAL.
- 25. 2 X 4 WOOD STUD @ 16" O.C..
- 26. 5/8" GYP. BD. PAINT.
- 27. CAULK. CONTINUOUS.
- 28. 2 X 6 TREATED BOTTOM PLATE W FOAM SILL SEALER, AND ANCHOR BOLT. RE: STRUCTURAL.
- OVER EXTERIOR SHEATHING W/ WEEP CORDS @ 24" O.C. AT WINDOW SILL RE: WINDOW FLASHING SEQUENCE, 66/A3.2 FOR FLASHING REQUIREMENTS.
- 30. 3" X 3" PREFINISHED SHEET METAL FLASHING OVER CAST STONE. EMBED IN A BED OF CAULK.
- 31. 1/2" × WOOD SILL W/ 1/2" X 2 1/2" SKIRT. 32. FLOOR FINISH. RE: FINISH SCHEDULE.
- 33. 4" DIA. PERFORATED PERIMETER FOUNDATION DRAIN PIPE WRAPPED IN FILTER FABRIC & GRAVEL DRAINAGE BED.
- 34. BASE PER FINISH SCHEDULE. 35. JAMES HARDIE STARTER STRIP. 014600.
- 36. 1/4" GAP DO NOT CAULK.
- 37. 2 x 6 OUTRIGGERS. RE: STRUCTURAL PLANS.
- 36. DOOR FRAME & INTERIOR TRIM. PAINT. RE: DOOR SCHEDULE.
- 39. METAL THRESHOLD. SET IN A BED OF SEALANT. 40. CONCRETE PATIO. SLOPE. RE: STRUCTURAL. 41. DOOR PER SCHEDULE.
- 42. SET METAL FLASHING IN A BED OF CAULK.
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- CAULK AT ALL INTERSECTIONS OF TRIM BOARD TO SIDING, SOFFIT PANELS & VINYL WINDOWS, UNLESS SHOWN OTHERWISE. SEE GENERAL NOTE G. INSTALL SIDING, WEATHER BARRIER, FLASHING, TRIM, SEAM TAPING, ETC. PER SIDING MANUFACTURER'S REQUIREMENTS FOR WEATHERPROOF PERFORMANCE. COORDINATE INSTALLATION WITH WINDOW MANUFACTURER'S REQUIREMENTS. REFER TO F4/A3.3 FOR WINDOW FLASHING SEQUENCE.

ARCHITECTURAL CORPORATION OKLAHOMA CERTIFICATE

OF AUTHORITY NO. CA 02479

EST 1935

SEAL ARCHITECT - TIMOTHY O.K. WILSON

LICENSE NO. 6082

OFFICE WALL SECTIONS

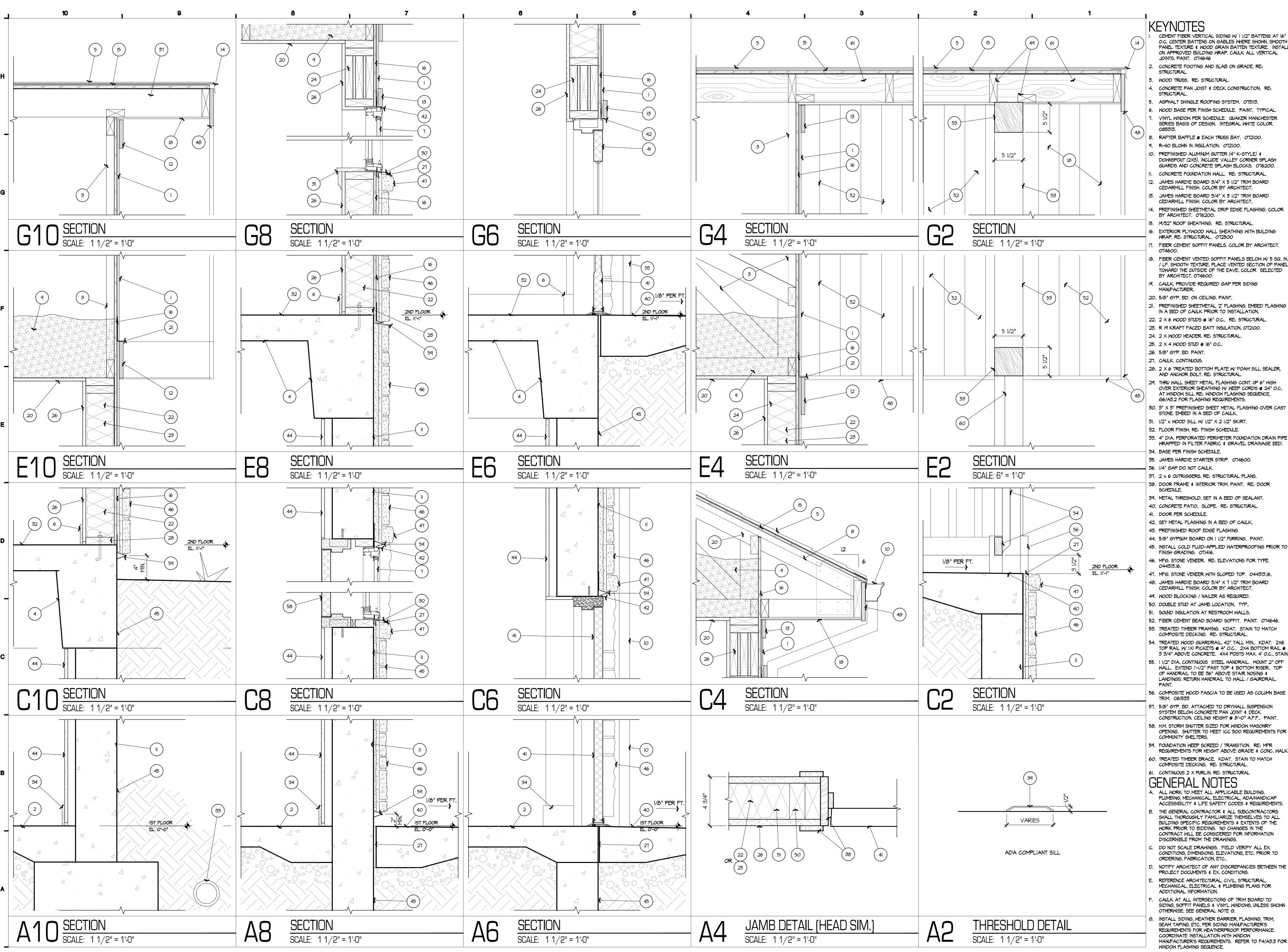
ISSUE DATE: OCTOBER 18, 2019

REVISIONS:

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CEMENT FIBER VERTICAL SIDING W/ 1 1/2" BATTENS AT 16" O.C. CENTER BATTENS ON GABLES WHERE SHOWN, SMOOTH PANEL TEXTURE & WOOD GRAIN BATTEN TEXTURE, INSTALL ON APPROVED BUILDING WRAP. CAULK ALL VERTICAL

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AGES

TIMBER

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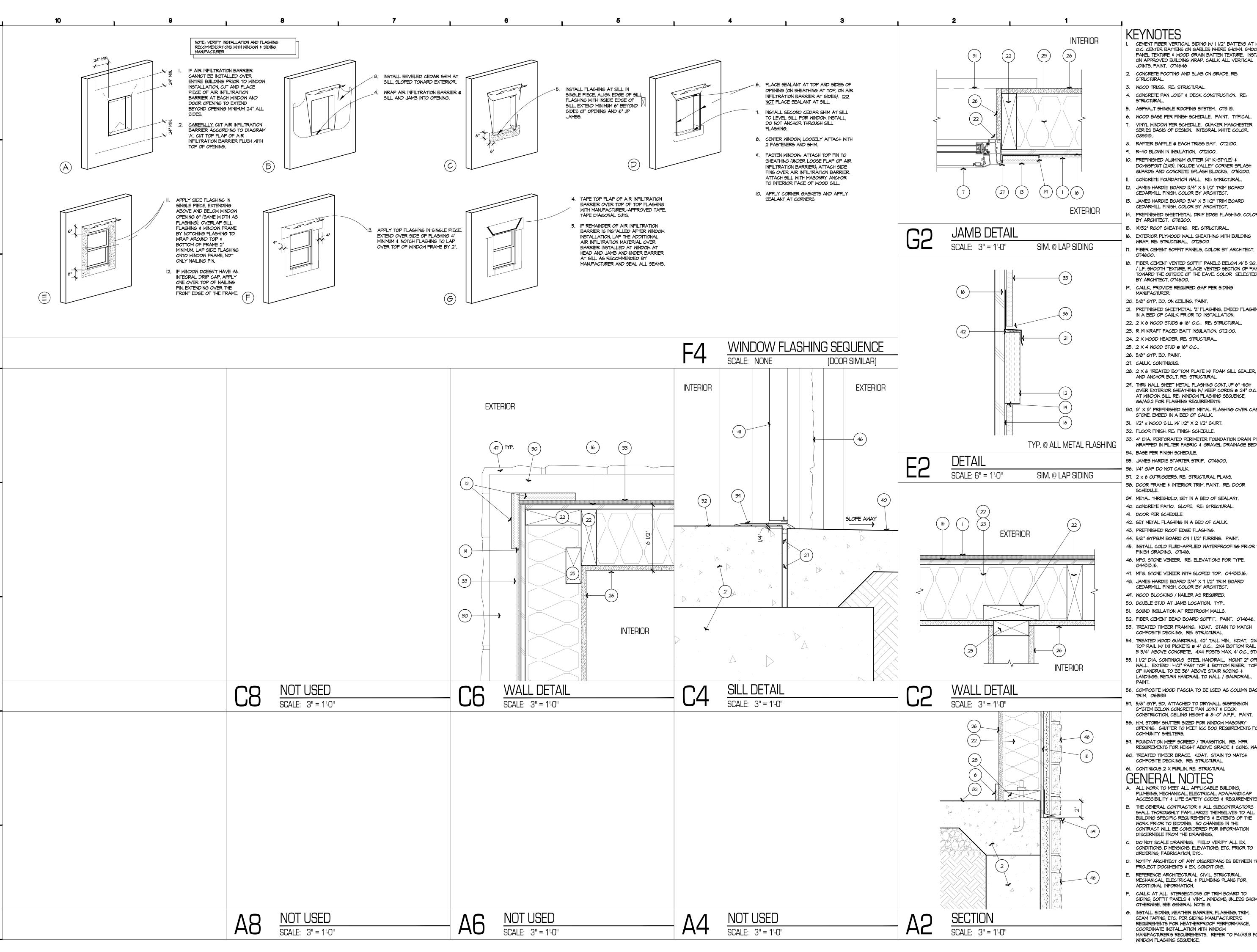


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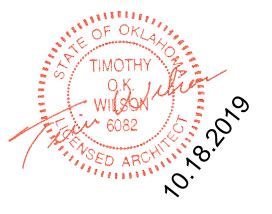
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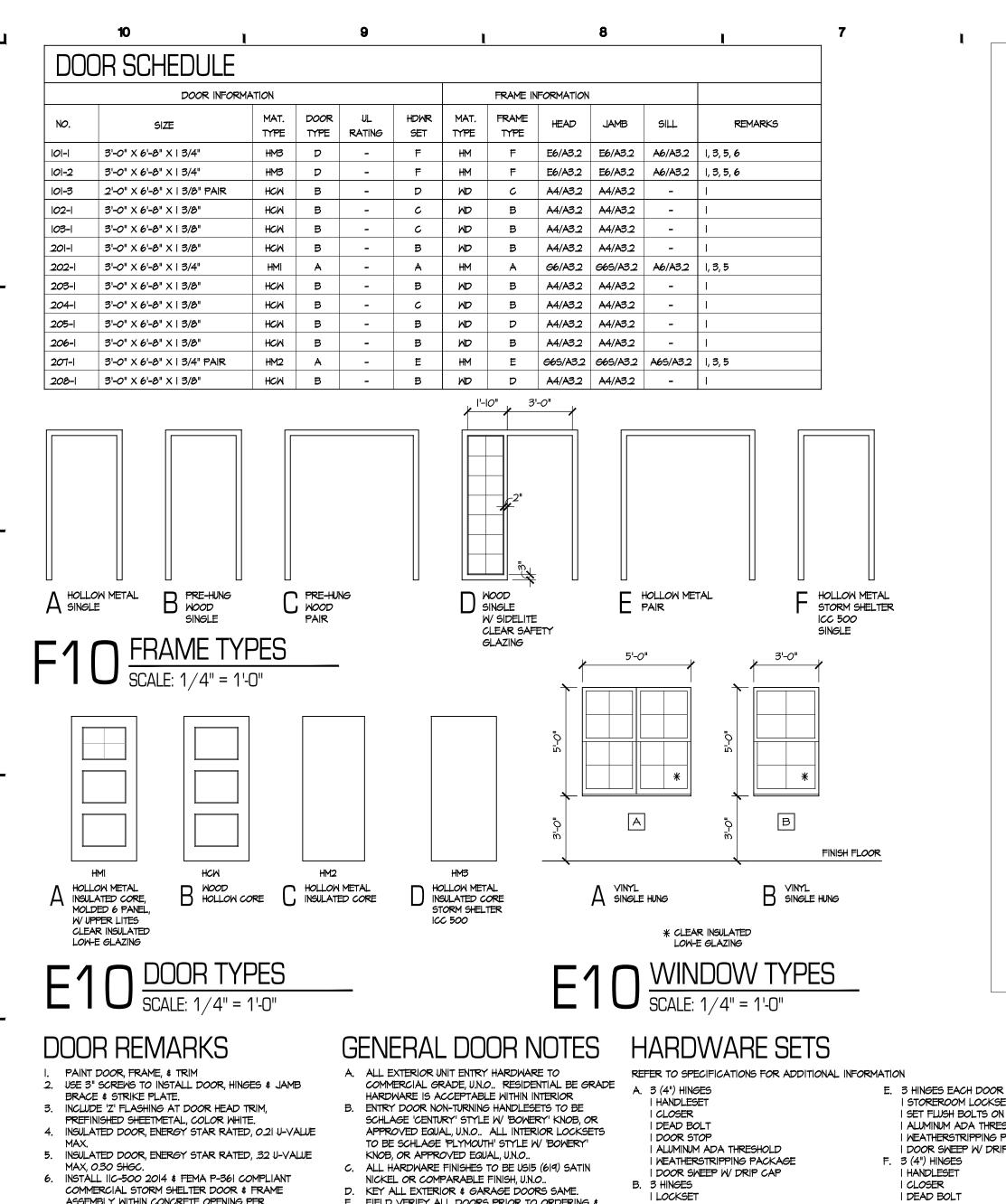
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ASSEMBLY WITHIN CONCRETE OPENING PER MANUFACTURER'S TESTED & APPROVED LISTING.

FL00R

INCLUDE ASSOCIATED HARDWARE.

ROOM SCHEDULE

COMM. RM / SHELTER VPF

ROOM ROOM NAME

103

202

203

204

206

201

RESTROOM

RESTROOM

STORAGE

HALLWAY

RESTROOM

FITNESS

208 MAINTENANCE

RECORD STORAGE

205 OFFICE

- FIELD VERIFY ALL DOORS PRIOR TO ORDERING \$
- FABRICATION. F. WOOD TRIM AT INTERIOR DOORS SHALL BE 3/4"X3" (ACTUAL) MDF.
- 6. WITHIN THE INTERIOR, UTILIZE BASE STOPS TO FULLEST EXTENT PRACTICAL, USING HINGE STOPS (I HIGH & LOW) ONLY WHERE BASE STOPS ARE NOT I APPLICABLE.

I DOOR STOP

3 HINGES I PRIVACY SET I DOOR STOP D. 3 HINGES EACH DOOR I STOREROOM LOCKSET

CGBI

RE: RCP

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CGBI RE: RCP

CGBI RE: RCP

I STOREROOM LOCKSET I SET FLUSH BOLTS ON INACTIVE LEAF I ALUMINUM ADA THRESHOLD I WEATHERSTRIPPING PACKAGE I DOOR SWEEP W/ DRIP CAP EACH DOOR F. 3 (4") HINGES I HANDLESET

I DEAD BOLT I DOOR STOP I ALUMINUM ADA THRESHOLD I WEATHERSTRIPPING PACKAGE I DOOR SWEEP W/ DRIP CAP

HARDWARE SHALL BE TESTED & APPROVED TO MEET IIC-500 \$ FEMA P-361 COMMERCIAL STORM SHELTER DOOR \$ FRAME I SET FLUSH BOLTS ON INACTIVE LEAF ASSEMBLY REQUIREMENTS. I DOOR STOP EACH DOOR

CEILING BASE REMARKS HEIGHT FINISH CGBI RE: RCP CGBI RE: RCP

RE: RCP CGBI RE: RCP CGBI RE: RCP LIBRARY/COMPUTER RE: RCP RE: RCP

MATERIAL SCHEDULE

PLASTIC LAMINATE COUNTERTOPS

KEY	MATERIAL	MANUFACTURER	PATTERN NO./COLOR	REMARKS	RE: SPEC SECTION
FLOORI	NG				
YPF	VINYL PLANK FLOORING	PATCRAFT	TIMBER GROVE / TBD		096516
CT	CARPET TILE	PATCRAFT	EASY ON EYES, COLOR: TBD		
BASE					
WB	WOOD BASE	PMD	1/2" X 4" WITH 3/4" QUARTER ROUND SHOE PAINT P4		
RB	4" RUBBER COVE BASE	ROPPE	TO BE DETERMINED		
WALLS					
PI	PAINT - WALLS	SHERWIN WILLIAMS	TO BE DETERMINED		099123
P2	PAINT - TRIM AND DOORS	SHERWIN WILLIAMS	TO BE DETERMINED		099123
P3	PAINT - CEILINGS	SHERWIN WILLIAMS	TO BE DETERMINED		099123
P4	PAINT - ACCENT PAINT	SHERWIN WILLIAMS	TO BE DETERMINED		099123
CEILING	·				
CGBI	CEILING - GYPSUM BOARD PAINT		PAINT P3		
CASEWO	ORK				•
MCI	CABINETS	GRANDVIEW INDUST.	OAKDALE / FINISH TO BE DETERMINED		123530

TO BE DETERMINED

RB

REMARKS -

- A. REFER TO FLOOR PLANS FOR FLOOR PATTERNS, LAYOUTS, & LIMITS OF FLOORING.
- C. FLOOR FINISH TRANSITIONS: ALL ADA COMPLIANT, ALL METAL TRANSITIONS TO HAVE SATIN NICKEL FINISH:
- D. PAINTED WALLS & CEILINGS ARE GYPSUM BOARD, U.N.O.. E. SHERWIN WILLIAMS PAINTS ARE SELECTIED AS BASIS FOR DESIGN'. COLOR MATCHING THESE SELECTIONS W
- FLOORING MATERIALS WITHIN STAIR SHAFTS, EXIT PASSAGEWAYS & CORRIDORS SHALL COMPLY WITH DOC FF-I
- METAL: SEMI-GLOSS CABINETS: WCI

CEILING PLAN KEYNOTES

- OPEN CONCRETE PAN JOIST & DECK CONSTRUCTION. RE: STRUCTURAL. PAINT.
- 2. 5/8" FIRE RATED GYPSUM BOARD ON BOTTOM OF WOOD
- TRUSS FRAMING. PAINT. ATTIC ACCESS. 22X30, INSULATED, I HOUR RATED. NYSTROM IW OR APPROVED EQUAL. PAINT ALL TO MATCH
- 5/8" GYP. BD. ATTACHED TO DRYWALL SUSPENSION
- SYSTEM BELOW ROOF JOISTS & GYP. BD. CEILING. CEILING HEIGHT @ 8'-O" A.F.F.. PAINT.
- 5. 5/8" GYP. BD. ATTACHED TO DRYWALL SUSPENSION SYSTEM BELOW CONCRETE PAN JOINT & DECK CONSTRUCTION. CEILING HEIGHT @ 8'-O" A.F.F.. PAINT.

6. PROVIDE 2 OPENINGS IN CONCRETE SLAB ABOVE FOR

MECHANICAL DUCTS TO FIRST FLOOR. COORDINATE SIZE

- \$ LOCATION WITH MECHANICAL \$ STRUCTURAL. FIBER CEMENT VENTED SOFFIT PANELS W 14.5 SQ. IN. / L COLOR BY ARCHITECT. 074600.
- 8. FIBER CEMENT SOLID SOFFIT PANELS, COLOR BY ARCHITECT. 074600.
- 9. PRE-FINISHED METAL GUTTER & DOWNSPOUT. 016200
- IO. FIBER CEMENT BEAD BOARD SOFFIT PANEL. PAINT.

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- B. DO NOT SCALE DRAWINGS. FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO ORDERING, FABRICATION, ETC...
- REFERENCE ARCHITECTURAL, STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- D. ALL FLOOR/CEILING, ROOF/CEILING AND WALL PENETRATIONS ARE TO BE PROPERLY FIRECAULKED, FIRESTOPPED, SMOKE/FIRE DAMPERED, ETC. AS REQUIRED TO MAINTAIN THE FIRE RESISTIVE RATING OF THE RESPECTIVE ASSEMBLIES, AS REQUIRED BY THE APPLICABLE BUILDING CODE.
- E. CAULK ALL JOINTS BETWEEN DISSIMILAR MATERIALS FOR WEATHERTIGHT, WATERTIGHT, AIRTIGHT, ETC. PERFORMANCE.
- . ALL PLUMBING PIPING AND ELECTRICAL CONDUIT IS TO BE CONCEALED WITHIN NEW CONSTRUCTION UNLESS NOTED OTHERWISE. IF PIPING OR DUCTWORK IS SHOWN TO BE EXPOSED REMOVE ALL LABELS AND MARKINGS. RE: MEP
- G. ALL AIR CONDITIONING REFRIGERANT LINES SHALL BE ROUTED AND CONCEALED IN WALLS AND CEILINGS.
- H. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE AND

GENERAL FINISH NOTES (GFN)

- A. SEE REFLECTED CEILING PLANS FOR FINISHES OF CEILINGS, BEAMS, ETC..
- B. PREPARE ALL FLOORS AS REQUIRED FOR FLOOR FINISHES PER MANUFACTURER'S RECOMMENDATIONS. . GYPSUM BOARD FINISH TO BE AN ORANGE PEEL FINISH
- ON ALL WALLS & CEILINGS. D. WOOD TRIM & BASE: NEW PAINTED WOOD BASE & TRIM
- SHALL BE PINE, U.N.O.. PAINT ALL EXPOSED GYPSUM BOARD, METAL HANDRAILS ETC.. UTILIZE PAINT TYPE PER MANUFACTIURER'S RECOMMENDATION. DO NOT PAINT PREFINISHED METALS & OTHER ITEMS NOTED TO BE WITHOUT APPLIED FINISH. RE: DOOR SCHEDULE FOR DOOR & TRIM FINISHES.
- ALL FIXTURES, TOILET ACCESSORIES, HARDWARE, ETC. 1 BE US26D (626) SATIN (BRUSHED) CHROME (OR COMPARABLE) FINISH, U.N.O..
- G. ACCESS PANEL FRAMES & DOORS TO BE METAL TYPE, PAINTED FINISH. FIRE RATED TYPE WHERE REQUIRED IN RATED WALLS & CEILINGS.

SEAL ARCHITECT - TIMOTHY O.K. WILSON LICENSE NO. 6082 TIMOTHY

REFLECTED CEILING PLANS, DOOR, WINDOW & ROOM FINISH SCHEDULES

> ISSUE DATE: OCTOBER 18, 2019

> > **REVISIONS**:

LOW VOC /

- A. INTERIOR PAINTS, PRIMERS, SEALERS & COATINGS TO COMPLY W GREEN SEAL STANDARDS FOR LOW VOC
- 3. INTERIOR ADHESIVES TO COMPLY W RULE 1168 OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. CAULKS & SEALANTS TO COMPLY W/ REGULATION 8, RULE
- DISTRICT. INTERIOR COMPOSITE WOOD (PLYWOOD, OSB, MDF, CABINETRY, ETC.) TO BE CERTIFIED COMPLIANT W

APPLY TO SHOP FABRICATED ITEMS THAT ARE ALSO FINISHED IN THE SHOP.

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TIMBER ,2019 1:56 902 18,

WALLS: EGGSHELL WOOD DOORS & TRIM: SEMI-GLOSS METAL DOORS & FRAMES: SEMI-GLOSS

WARMING KITCHEN TO INCLUDE THE FOLLOWING COUNTERTOPS & BACKSPLASHES: PLCI

FIRST FLOOR REFLECTED CEILING PLAN MAINTENANCE

RESTROOM.

102

| | 4_4 |

207 FITNESS 208 RECORD_ STOR. 206 OFFICE 205 -WRESTROOM. 204 0 0 LIBRARY W/

STORAGE

MARIMING KITCHEN

RESTROOM.

:103.

GOMMUNITY RM/

STORM SHELTER

HALLWAY 201 202

VINYL PLANK TO CARPET: METAL TYPE

APPROVED PAINT VENDORS IS ALLOWABLE.

"PILL TEST" (CPSC 16 CFR, PART 1630). 5. PAINTED & STAINED SURFACES TO HAVE THE FOLLOWING FINISH, U.N.O.. CEILINGS: FLAT

MATERIAL SCHEDULE, ROOM FINISH SCHEDULE OR APPROVED EQUAL.

CABINET PULLS - AMEROCK CORP, STYLE BP52995GIO POST FORMED EDGE. CAULK JOINTS W/ CLEAR SEALANT. INCLUDE 4" MATCHING BACKSPLASH & SIDESPLASH AT

GENERAL MATERIAL

B. REFER TO FINISH SCHEDULE FOR ACCENT COLOR & WALL

TREATMENT LOCATIONS.

SECOND FLOOR REFLECTED CEILING PLAN

COMPUTER

203

0 0

NORTH

NORTH

FORMALDEHYDE

51 OF THE BAY AREA AIR QUALITY MANAGEMENT

CALIFORNIA 93120, OR BE CERTIFIED FORMALDEHYDE-FREE COMPOSITE WOOD. . UTILIZE CURRENT STANDARDS LISTED ABOVE, LOW VOC REQUIREMENTS FOR ITEMS A, B & C ABOVE DO NOT

PROJECT NO.: 1902

- 2. The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. Conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before
- 3. All design and construction work for this project shall conform to the requirements of the 2015 International Building Code, as amended by the City of Broken Arrow, OK.
- 4. These drawings are for this specific project and no other use is

- A. All concrete for foundations (walls, grade beams, footings) shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches
- B. All concrete for interior flat work shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 525 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.75 gallons of water per 100 pounds of cement and not over 4 inches of slump. Concrete mix shop drawing shall contain testing data proving concrete design mix shrinkage is less than 0.034% at 28 days when tested according to ASTM C157 (air drying method only).
- C. All concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
- D. The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
- E. The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not
- F. Combined aggregate (coarse plus fine) for all concrete shall be well graded from coarsest to finest with no more than 18 percent and not less than 8 percent retained on an individual sieve, except that less than 8 percent may be retained on coarsest sieve and on No. 50 and finer sieves. Submit this gradation report with the concrete mix design shop drawings.
- G. All interior concrete slabs on grade shall be placed over 15 mil, Class A Vapor Barrier per ASTM E1745 with less than O.OI perms. tested after mandatory conditioning. All joints shall be lapped and sealed per manufacturer's recommendations. All penetrations, as well as damaged vapor barrier material shall also be sealed per manufacturer's recommendation prior to concrete placement. Install barrier per manufacturer recommended details at all discontinuous edges (at interior columns, exterior edge of slab, etc.) to ensure terms of warranty are followed. The vapor barrier shall be placed over free-draining granular material as prescribed by the project soils report.
- H. All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current
- I. Control joints in dirt formed slab to be as shown on plans. Where not shown, limit controlled areas to not more than 144 square feet, or 12 feet on any side. Slab panel side ratio shall not exceed 1 1/2
- J. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement. K. Construction joints in beams, slabs, and grade beams shall occur at
- midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer. L. No aluminum items shall be embedded in any concrete.

6. Reinforcing Steel:

- A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A185. B. Clear minimum coverage of concrete over reinforcing steel shall be
- as follows: Concrete placed against earth Formed concrete against earth I-I/2" Beams or Columns
- All coverage shall be nominal bar diameter minimum. . All dowels shall be the same size and spacing as adjoining main bars (splice lap 48 bar diameters or 24" minimum unless noted otherwise). D. At corners of all walls, beams, and grade beams supply corner bars (minimum 2'-0" in each direction or 48 bar diameters) in outside face
- of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner bars. . Bars marked continuous and all vertical steel shall be lapped 48 bar diameters (2'-0" minimum) at splices and embedments, unless
- shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise. F. At all holes in concrete walls and slabs, add 2 - #5 bars (opening dimension plus 96 diameters long) at each of four sides and add 2 -#5 x 5'-0" diagonally at each of four corners of hole. Openings in
- G. Unless otherwise covered on architectural plans or specifications, vertical control joints in concrete wall shall be spaced at a maximum of 20'-0" on center and coordinated with the architect. Every other horizontal wall reinforcing bar shall be discontinuous at control joints except heavy top and bottom bars unless noted otherwise. Provide base seal waterstop style number 772 (by Greenstreak Inc. or approved equal) on dirt face side of wall at all walls below grade.

8" thick walls are reinforced similar, but with 1 - #5 instead of 2 - #5,

- H. Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.
- All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way. All exterior porches and stoops not otherwise detailed may be constructed in any standard manner, solid or hollow, but must be reinforced with #4 bars at 12" on center each way minimum. Porches shall be doweled to adjacent walls or grade beams with #4 bars at 12" on center, hooked or embedded 48 diameters into both members. Slope porches 1/8" per foot for drainage unless noted otherwise.
- J. Allow 1/2 ton of reinforcing bars #4 or larger to be used as directed in the field for special conditions by the engineer of record (labor for placing same to be included).

7. Post-Installed Anchors:

-S\SWDA 18,2019

- A. Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is required for all post-installed anchors. The contractor shall coordinate an on-site meeting with the post-installed anchor manufacturer field representative to educate the construction team
- on the anchor installation quidelines and requirements. B. Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ACI 355.2 and ICC-ES AC193. All anchors shall be installed per the anchor manufacturer's written instructions.
- C. Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES

- AC308. All anchors shall be installed per the anchor manufacturer's written instructions. Mechanical anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES ACOI. All
- anchors shall be installed per the anchor manufacturer's written Adhesive anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC58. All anchors shall be installed per the anchor manufacturer's written
- Anchors used in hollow concrete masonry shall have been tested and qualified in accordance with ICC-ES ACIÓ6 or ICC-ES AC58 as appropriate. All anchors shall be installed per the anchor manufacturer's written instructions with appropriate screen tubes used for adhesives.

10. Foundations:

- A. The soil investigation was prepared by GFAC Engineering. The report number is 62019055 and the telephone number is (913)
- B. Spread footings and grade beams are designed to bear on native soil or engineered fill (placed in accordance with the recommendations of the geotechnical report) capable of safely sustaining 2,000 psf.
- Contractor shall provide for dewatering at excavations from either surface water or seepage.
- All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer, prior to placement of steel or concrete. This inspection shall be at the owner's expense. All concrete in the structural portion retaining the backfill shall have
- attained its design strength prior to being backfilled. Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If subgrade materials become desiccated or softened by water or other conditions, recompact materials to the density and water content specified for engineered fill. Do not place concrete on frozen ground.

Timber and Wood Framing:

- A. Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise indicated on the drawings shall be in accordance with the 2015 International
- B. All studs and top and bottom plates shall be Douglas Fir No. 2 grade visually graded lumber, with an allowable fiber stress in bending of 900 psi minimum and an elastic modulus of 1,600,000 psi unless noted otherwise. All joist, truss members and headers to be No. 2 grade (min.) (unless noted otherwise).
- All exterior lumber that is to receive a stained finish shall be kiln-dried after treated (KDAT) material. Refer to architectural drawings for locations.
- Bridging of stud bearing walls and shear walls shall be
- solid, matching sheathing joints. E. Joist blocking and bridging shall be solid wood or cross bridging of either wood or metal straps. Spacing, in any case,
- shall not exceed 8'-0". Wood members and sheathing shall be fastened with number and size of fasteners not less than that set forth in Table 2304.9.1 of the 2015 International Building Code. Floor sheathing shall be APA rated tongue and groove Sturd-I-Floor, exposure I, glued and nailed with 10d nails or # 10 screws at 6" on center to supports at edges and 12" on center field. Sheathing of shear walls or roof diaphragms shall be edge nailed with 8d common nails at 6" on center and nailed to intermediate framing and/or blocking members with 8d common nails at 12" on center unless otherwise noted on the
- G. Sill plates shall be bolted to concrete slabs with 1/2" diameter bolts at 32" on center (UNO, Re: shearwall sched). Provide plate washers at sill plate anchors for shearwalls per shearwall sched. Plates in direct contact with concrete or masonry shall be treated
- All hangers, ties and connections shown are based on Simpson Strong Tie as the basis of design. Provide Simpson Strong Tie or an approved equal. Joist hangers shall be equal to "LUS" for wood application and "LB" for steel weld-on application. Roof truss ties shall be equal to "H2.5A" and tie the roof truss to the top plate (provide (2) "H2.5A" Diagonally across from each other when uplift load shown in truss shop submittal exceeds 600lbs). Roof girder ties shall be equal to a "LGT2", "LGT3" or "LGT4" tie (dependent on number of plies) and tie the truss airder to the top plate. Provide "H4" at the top of each stud to top track when the top track has roof truss attached.
- Service condition dry with moisture content at or below 19% in J. Laminated strand lumber (LSL) shall have an allowable flexural
- stress (Fb) of 1,700 psi (reduced by size factor) and an elastic modulus (E) of 1,300,000 psi. K. Laminated veneer lumber (LVL) shall have an allowable flexural stress (Fb) of 2,600 psi (reduced by size factor) and an elastic
- modulus (E) of 1,900,000 psi. L. Parallel Strand Lumber (PSL) shall have an allowable flexural stress (Fb) of 2,900 psi (reduced by size factor) and an elastic modulus (E) of 2,000,000 psi. ((E) = 2,200,000 psi for members > 18")
- M. Pre-engineered wood trusses shall be designed in accordance with the Truss Plate Institute's national design standard for metal-plate connected wood truss construction (ANSI/TPI-I latest edition). Trusses shall be designed and manufactured by an authorized member of the Wood Truss Council of America (WTCA). Truss design shall conform to specified codes, allowable stress increases, deflection limitations and other applicable criteria of the governing code.
- Shop drawings showing complete erection and fabrication details and calculations (including connections) shall be submitted to the project architect / engineer for review prior to fabrication and/or erection. Calculations shall bear the seal of a professional engineer, registered in the state of the project location. Shop drawings shall also be submitted to the local government controlling agency when requested by that
- All trusses shall be securely braced both during erection and permanently, as indicated on the approved truss design drawings and in accordance with TPI's commentary and recommendations for handling, installing and bracing metal-plate connected wood trusses (HIB-91, booklet) and the latest edition of
- The truss manufacturer shall supply all hardware and fasteners for joining truss members together and fastening truss members to their supports. Metal connector plates shall be manufactured by a member of the Wood Truss Council of America (MTCA) and shall be 20 gauge minimum. Connector plates shall meet or exceed ASTM A653, grade 33, with ASTM A924 galvanized
- coating designation 660. Shipment, handling, and erection of trusses shall be by experienced, qualified persons and shall be performed in a manner so as not to endanger life or property. Apparent truss damage shall be reported to the truss manufacturer for evaluation prior to erection. Cutting or alteration of trusses is not permitted.

R. Pre-engineered roof truss design load and deflection criteria are

- Top Chord Dead Load= 15 psf Top Chord Live Load (Typical) = 20 psf plus snow drift Top Chord Live Load (at Recessed Mechanical Wells) = 100 psf to account for mechanical equipment plus snow drift. Refer
- to roof framing plans. Bottom Chord Dead Load= 10 psf Include mechanical equipment loads as required (coordinate locations and sizes with MEP)
- Allowable Total Load Deflection= L/300 Allowable Live Load Deflection= L/360 Construction bracing shall be provided by the contractor as required to keep the building and studs plumb. Structural members shall not be cut for pipes, etc., unless specifically
- detailed. Notching and boring of studs and top of plates shall conform to the provisions of section 2308.9.10 and 2308.9.11 of the IBC. Where top plates or sole plates are cut for pipes, a metal tension tie with minimum 0.058 inches thick and 1/2" inches wide shall be fastened to each plate across and to each side of the opening with not less than (6) 16d nails, in accordance section 2308.9.8 of
- All fasteners for wood to wood connections and wood connectors shall be as indicated in structural drawings or manufacturer literature to achieve full capacity of connector. Alternate fasteners

may be submitted as a substitution request. Submittal must show that alternative fasteners will not reduce the capacity of the connection.

13. Shop Drawing Review:

- A. Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company,
- B. Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
- 1) Review each submission for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.
- 2) Review and approve each submission. 3) Stamp each submission as approved. C. Bob D. Campbell and Company, Inc. shall assume that no submission
- comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation. D. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and
- Company, Inc. shall so notify the GC. 1) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after
- 2) Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct

3) Miscellaneous anchors shown on the structural drawings.

fabrication drawings. Standard stick framing shop drawings need not be submitted. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions

4) Wood truss design calculations and detailed erection and

without GC approval stamp.

- A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the 2015 International Building Code. The owner shall employ one or more qualified special inspectors to provide the
- B. Special Inspections shall be required for the items indicated below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and
- Placement of Concrete 2) Testing of Concrete
- High Strength Bolting
- 8) Post-Installed Anchors
- 10) Mood gravity framing and placement C. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other
- designated person. contractor for correction, then, if uncorrected, to the proper design
- the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the

Copyright and Disclaimer:

- A. All drawings in the structural set (5-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
- Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of

STRUCTURAL DESIGN CRITERIA FOR THE WOOD STRUCTURE:

20 psf

GOVERNING CODE: 2015 International Building Code <u>DESIGN LIVE LOADS:</u>

SNOW LOADING: Pg = 20 psf Pf = 14 psf Ground Snow Load Flat Roof Snow Load Snow Exposure Factor Ce = 1.0

ls = 1.0 Snow Load Importance Factor Thermal Factor Ct = 1.0

Drift per ASCE/SEI 7-10

- MIND LOADING: Main Wind-force Resisting Sustem (MWFRS):
- Ultimate Design Wind Speed Vult = 115 mph Nominal Design Wind Speed Vasd = 89 mph Risk Category
- IM = 1.0 Wind Load Importance Factor Wind Exposure Category Internal Pressure Coefficient (Enclosed)
- GCpi = +/-0.18Components & Cladding:
- Design wind pressures to be used for the design of exterior component and cladding materials on the designated zones of wall and roof surfaces shall be per ASCE/SEI 7-10. Tabulated pressures shall be multiplied by effective area reduction factors, exposure adjustment factors, and topographic factors where applicable.

SEISMIC DESIGN REQUIREMENTS: Risk Category

Seismic Design Category B

- Seismic Importance Factor Is = 1.0 14. Structural Special Inspection: • Spectral Response Acceleration Parameters: 5ds = 0.108aSdl = 0.08q Site Class C
 - required special inspections.
 - provide access for those inspections.
- 3) Bolts in Concrete 5) Placement of Reinforcing Steel
- 6) Verification of Soil Bearing Capacities
- 9) Wood shear walls and holdowns
- D. All discrepancies shall be brought to the immediate attention of the
- authority, building official and structural engineer. E. The special inspector shall submit a final signed report stating that

building code.

B. I, Michael J. Falbe, P.E., registered engineer and a representative of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.

STRUCTURAL DESIGN CRITERIA FOR THE CONCRETE STRUCTURE:

GOVERNING CODE: 2015 International Building Code

<u> WIND LOADING:</u>

Main Wind-force Resisting System (MWFRS):

100 psf

• Wind Load Importance Factor lw = 1.0 Wind Exposure Category

- Design wind pressures to be used for the design of exterior component and cladding materials on the designated zones of wall and roof surfaces shall be per ASCÉ/SEI 7-10. Tabulated pressures shall be multiplied by effective area reduction factors, exposure adjustment
- Seismic Importance Factor Is = 1.0
- Sds = 0.108a 5dl = 0.08a
- Seismic Design Category B

FEMA 361

 ICC-500 Components of the concrete structure shall meet the missile impact and pressure test recommendations identified in FEMA 361 Design and Construction Guidance for Community Safe Rooms and also required by chapter 8 of the ICC-500 Storm Shelter

DESIGN LIVE LOADS: • Elevated Concrete Floor Structure

- Ultimate Design Wind Speed Vult = 250 mph Risk Category
- Internal Pressure Coefficient (Enclosed) GCpi = +/-0.55

Components & Cladding:

factors, and topographic factors where applicable.

SEISMIC DESIGN REQUIREMENTS:

- Risk Category | |
- Spectral Response Acceleration Parameters:
- Site Class C

NAILING SCHEDULE (REFER TO NOTES #1 and #2)				
CONNECTION	CONNECTION ATTACHMENTS (REF NOTE #3 and #4)			
JOIST TO SILL OR GIRDER	3- 3" x 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL		
BRIDGING TO JOIST	2- 3" x O.131" NAILS-TOENAIL EACH END	2-8d NAILS-TOENAIL EACH END		
SOLE PLATE TO JOIST OR	3" × 0.131" NAILS AT 8"0.cTYPICAL FACE NAIL	16d BOX NAILSZ AT 16"o.c. MAX. FACE NAILING		
BLOCKING	4-3" x O.131" NAILS AT 16"o.cBRACED WALL PANELS	3-16d BOX NAILS AT 16"o.c. BRACED WALL PANEL		
TOP PLATE TO STUD	3- 3" x O.131" NAILS-END NAIL	2-16d NAILS-END NAIL		
STUD TO SOLE PLATE	4- 3" × 0.131" NAILS-TOENAIL OR 3- 3" × 0.131" NAILS-END NAIL	4-8d NAILS-TOENAIL OR 2-16d NAILS-END NAIL		
DOUBLE STUDS	3" x O.131" NAILS AT 8"o.cFACE NAIL	16d BOX NAILS AT 24"o.c. MAX. FACE NAIL		
DOUBLED TOP PLATES	3" x O.131" NAILS AT 12"o.cFACE NAIL	16d BOX NAILS AT 16"o.c. MAX. FACE NAIL		
DOUBLE TOP PLATE LAPS AND INTERSECTIONS	12-3" × O.131" NAILS	8-16d NAILS		
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-3" × O.131" NAILS -TOENAIL	3-8d NAILS-TOENAIL		
RIM JOIST TO TOP PLATE	3" × O.131" NAILS AT 6"o.cTOENAIL	8d NAILS AT 6"o.c. MAXTOENAIL		
TOP PLATE LAPS AND INTERSECTIONS	3- 3" x O.131" NAILS-FACE NAIL	2-16d NAILS-FACE NAIL		
CONTINUOUS HEADER, TWO PIECES	3" x O.131" NAILS AT 10"o.c. ALONG EACH EDGE	16d NAILS AT 16"O.C. MAX. ALONG EACH EDGE-TOENAIL		
CEILING JOISTS TO PLATE	5- 3" × 0.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL		
CONTINUOUS HEADER TO STUD	4- 3" x O.131" NAILS-TOENAIL	4-8d NAILS-TOENAIL		
CEILING JOISTS, LAPS OVER PARTITIONS	4- 3" x O.131" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL		
CEILING JOISTS TO PARALLEL RAFTERS	4- 3" x O.I3I" NAILS-FACE NAIL	3-16d NAILS-FACE NAIL		
RAFTER TO PLATE	3- 3" x O.131" NAILS-TOENAIL	3-8d NAILS-TOENAIL		
I" BRACE TO EACH STUD AND PLATE	2- 3" x O.I3I" NAILS-FACE NAIL	2-8d NAILS-FACE NAIL		

BUILT-UP CORNER AND

BUILT-UP GIRDER AND

BUILT-UP LAMINATED

2" PLANKING

VENEER LUMBER BEAMS

MULTIPLE STUDS

I.) ALL NAILS SHALL BE AS NOTED UNLESS OTHERWISE SPECIFIED ON STRUCTURAL DRAWINGS OR

3" × 0.131" NAILS AT 6"0.c. TOP AND

4-3" x O.131" NAILS AT EACH SUPPORT

3" x 0.131" NAILS AT 16"o.c.

BOTTOM ALONG EDGE

ALTERNATE PROVIDED BY ENGINEER IN WRITING. 2.) CONDITIONS NOT SPECIFIED SHALL BE IN ACCORDANCE WITH CURRENT INTERNATIONAL BUILDING CODE. 3.) NAILING DESIGNATION:

3" x O.131" NAILS AT 24"o.c. FACE NAILED

3-3" x 0.131" NAILS AT ENDS AND EACH SPLICE

TOP AND BOTTOM STAGGERED ON OPPOSITE

- DIAMETER IN INCHES - NAIL LENGTH - QUANITY

4.) ALL NAILS NOTED AS &d. IOd. I6d. ETC. SHALL BE COMMON NAILS UNLESS NOTED BOX.

	HEADER SCHEDULE					
TYPE	HEADER SIZE	BEARING STUDS BELOW EACH END OF HEADER	CONTINUOUS JAMB STUDS AT EACH END	REMARKS		
(O-IA)	(3) 2x10's w/ (2) ½" PLYMOOD SPACERS	(I) 2×6	(2) 2×6	RE: SECTIONS & IA ON SO.2		

STUD BEARII	NG WALL SCHEDULE
IST FLOOR EXTERIOR WALLS	2×6 @16"oc
IST FLOOR INTERIOR WALLS	2x6 @16"0c

PROVIDE JAMB STUDS AT WALL OPENINGS PER HEADER SCHEDULE ON THIS SHEET. 2. UNLESS NOTED OTHERWISE, PROVIDE STUD PACKS CONSISTING OF ONE STUD FOR EACH PLY OF GIRDER TRUSSES OR (3) BEARING STUDS MINIMUM AT ALL GIRDER TRUSS BEARING LOCATIONS. REFER TO SECTION 5/SO.2 FOR FASTENING OF STUD PACKS.

MALL SHEATHING SCHEDULE				
LOCATION	SHEATHING	FASTENER SPACING		
LOCATION		PANEL EDGE	FIELD	
EXTERIOR WALL (EXTERIOR SIDE) U.N.O.	¾ ₆ " <i>О</i> ЭВ	8d COMMON NAILS @6"oc	8d COMMON NAILS @12"oc	
EXTERIOR WALL (INTERIOR SIDE) U.N.O.	%" GYPSUM BOARD	NO. 6 TYPE S OR W 13/4" LONG DRYWALL SCREWS @4"OC	No. 6 TYPE S OR W 13/4" LONG DRYWALL SCREWS @7"OC	
INTERIOR WALL U.N.O.	物" GYPSUM BOARD	No. 6 TYPE S OR W 13/4" LONG DRYWALL SCREWS @4"0c	No. 6 TYPE S OR W 13/4" LONG DRYWALL SCREWS @7"0c	

I. ALL SHEATHING SHALL BE FULLY BLOCKED. PROVIDE 2x6 BLOCKING BETWEEN STUDS AS REQUIRED TO ACHIEVE FASTENER SPACING AT PANEL EDGES.

ROOF DECK SCHEDULE				
	I OC A TION	DECKING	FASTENER SPACING	
	LOCATION DECKING		PANEL EDGE	FIELD
	ROOF DECK 19/32" 09B		8d COMMON NAILS @6"0c	8d COMMON NAILS @12"0c

EST 1935

ARCHITECTURAL CORPORATION OKLAHOMA CERTIFICATE OF AUTHORITY NO. CA 02479

COTTAGES

RIDGE

TIMBER

16d NAILS AT 24"o.c. MAX.

OPPSITE SIDES.

20d NAILS AT 32"o.c. MAX. TOP

AND BOTTOM, STAGGERED ON

16d NAILS AT 12"o.c. TOP AND

16d NAILS AT EACH SUPPORT

BOTTOM ALONG EDGE

2-20d NAILS AT ENDS AND EACH

CTION EN ARI

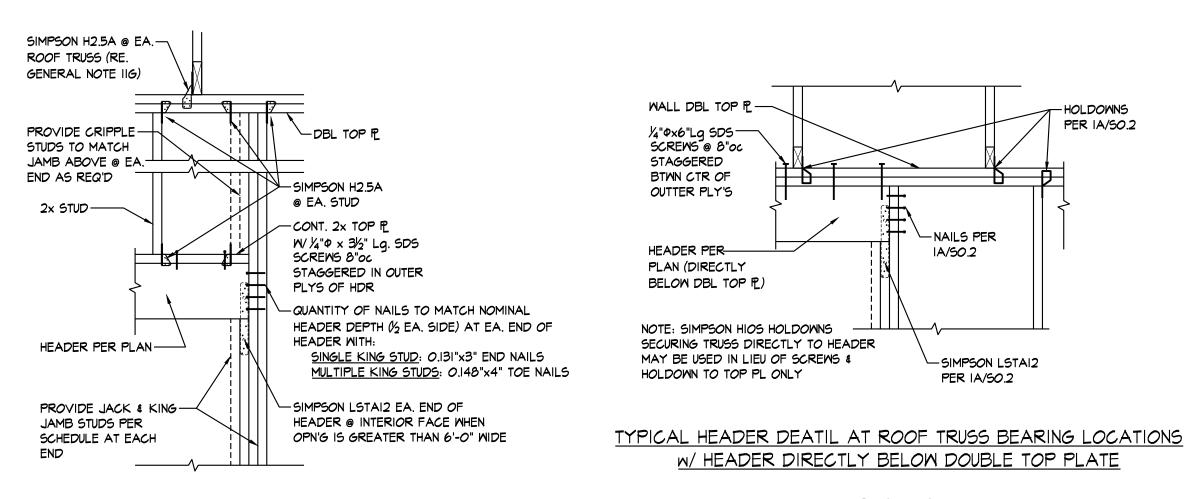
SEAL ENGINEER - MICHAEL J. FALBE

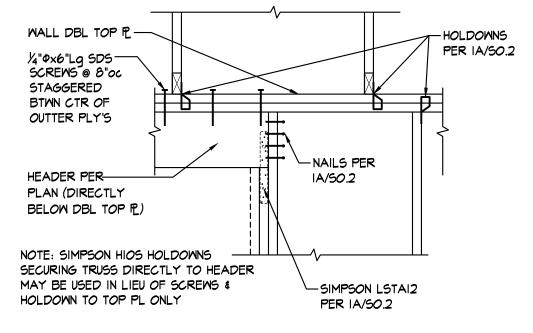


GENERAL NOTES & SCHEDULES

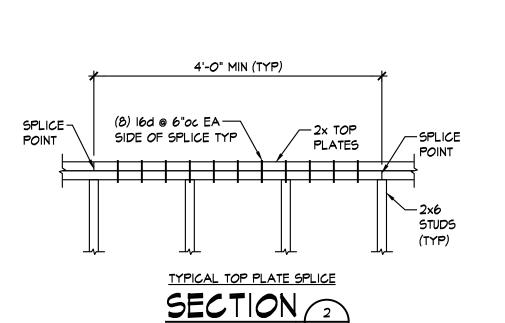
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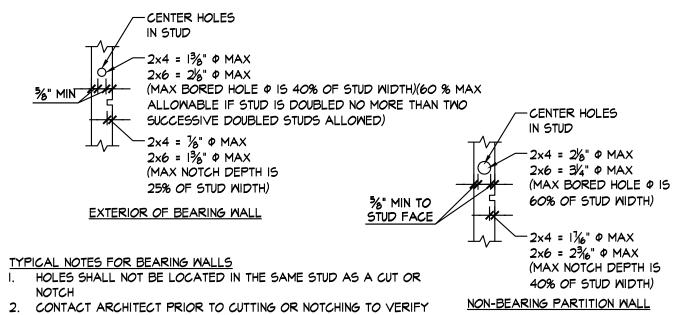




W/ HEADER DIRECTLY BELOW DOUBLE TOP PLATE



34" = 1'-0" 50.2



SECTION 3

SIZE AND LOCATION IF HOLES GREATER THAN 20% STUD WIDTH

OR NOTCHES GREATER THAN 10% STUD WIDTH ARE REQUIRED IN

TWO OR MORE CONSECUTIVE STUDS NOTCHES OR HOLES NOT PERMITTED IN JAMBS, STUD PACKS AND

AT ENDS OF SHEARWALLS

FOUNDATION W/1/2"P ANCHOR BOLTS @32"oc CONCRETE -FOUNDATION BRUSHED CLEAN PRIOR TO ANCHOR INSTALLATION. NON-BEARING PARTITION WALL

SIMPSON HDU5-SDS2.5

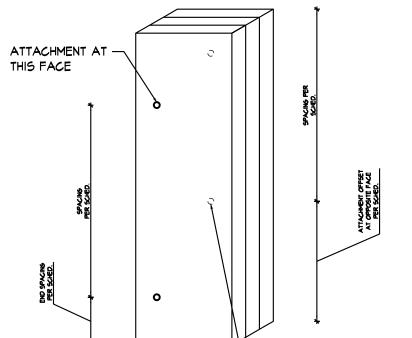
HOLDOWN

2× TREATED SILL PL — ANCHORED TO CONC.

TYPICAL HOLD-DOWN ANCHOR DETAIL (SEE FOUNDATION PLAN FOR LOCATIONS) 34" = 1'-0" 50.2

TYPICAL HEADER DETAIL AT ROOF TRUSS BEARING LOCATIONS

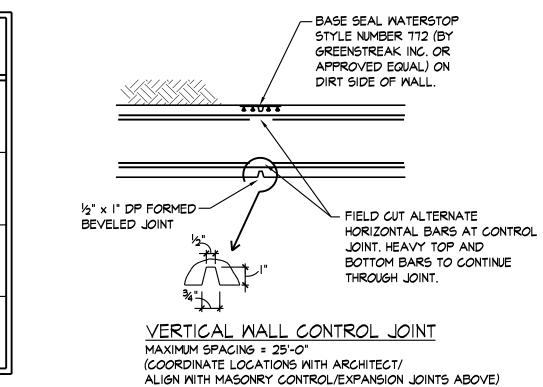


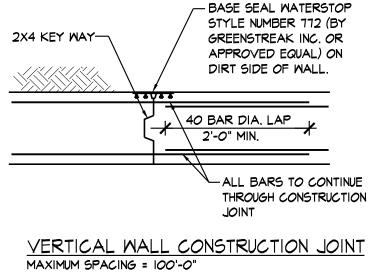


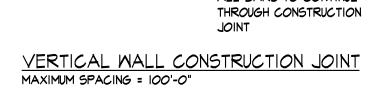
ATTACHMENT AT

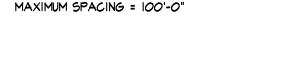
OPPOSITE FACE

BUILT-UP 9	BUILT-UP STUD PACK COLUMN ATTACHMENT SCHEDULE		
2-PLY MEMBERS	IOd NAILS AT 12"0c, 1" FROM EDGE, W/ OPPOSITE EDGE NAILED FROM OPPOSITE SIDE OFFSET 6", @ 12"0c W/ FIRST NAIL 2" FROM EA. END		
3-PLY MEMBERS	20d NAILS AT 16"0c, I 1/2" FROM EDGE W/ OPPOSITE EDGE NAILED FROM OPPOSITE SIDE OFFSET 8", @ 16"0c W/ FIRST NAIL 3" FROM EA. END		
4-PLY MEMBERS	1/4"\$\psi SIMPSON SDS SCREWS AT 16"oc, 1 1/2" FROM EDGE W/ OPPOSITE EDGE SCREWED FROM OPPOSITE SIDE OFFSET \(\text{8", @ 16"oc W/ FIRST SCREW 4" FROM EA. END\)		
5-PLY MEMBERS	1/4"\$\Pi\$\text{6"} SIMPSON SDS SCREWS AT 12"oc, 1 1/2" FROM EDGE W/ OPPOSITE EDGE SCREWED FROM OPPOSITE SIDE OFFSET 6", @ 12"oc W/ FIRST SCREW 4" FROM EA. END		

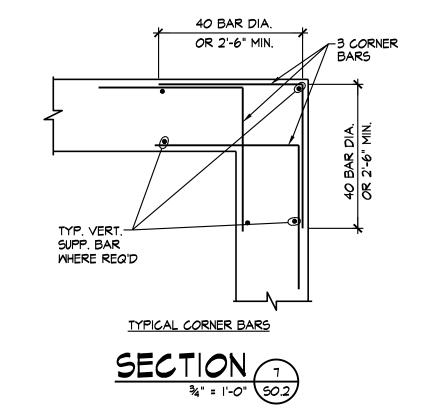












/ (2)-2x6 STUDS FASTENED TOGETHER w/ 8d x 21/2" COMMON NAILS @8"0c SIMPSON WOOD SCREWS (SIZE & QUANTITY PER SIMPSON) ARCHITECTURAL CORPORATION - (I)-%"Ф ASTM A36 GALV. THREADED ROD. DRILL & OF AUTHORITY NO. CA 02479 EPOXY w/ 16" EMBEDMENT IN CONCRETE FOUNDATION. HOLE SHALL BE BLOWN &

ARCHITECTS

EST 1935

OKLAHOMA CERTIFICATE

COTTAGES

RIDGE

TIMBER

SEAL ENGINEER - MICHAEL J. FALBE LICENSE NO. 20065

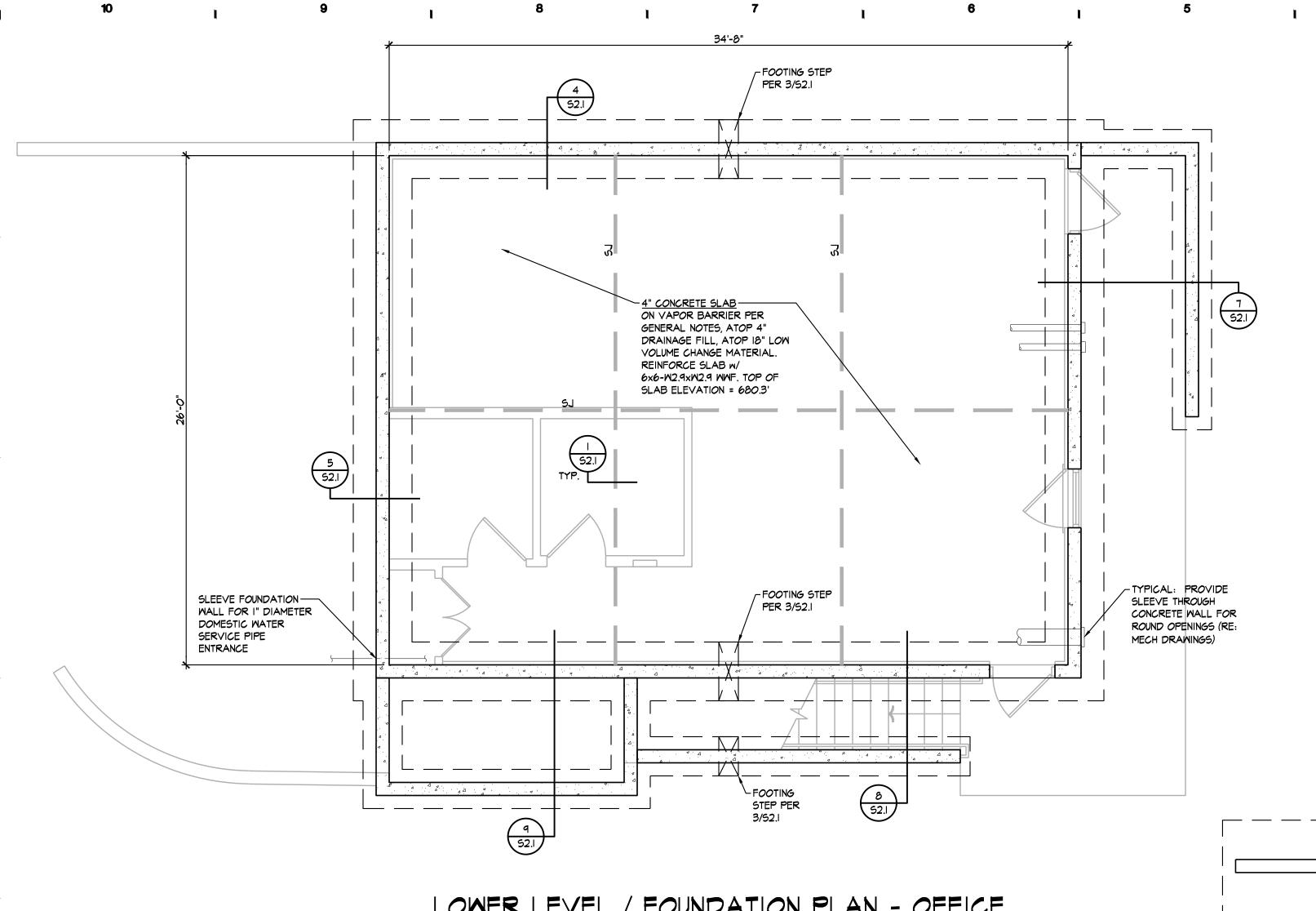


TYPICAL SECTIONS

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LOWER LEVEL / FOUNDATION PLAN - OFFICE

NOTES:

1. REFER TO GENERAL NOTES ON SHEET SO.I.

2. VERIFY ALL DIMENSIONS & ELEVATIONS W/ ARCHITECTURAL DRAWINGS.

PENETRATIONS THROUGH CONCRETE WALLS OR SLABS SHALL BE SCREENED WITH A GRID OF #4 REBAR @2"oc TO PROTECT AGAINST WIND-BORNE DEBRIS. REFER TO SECTION 6A/S2.I.

4 52.I -20" DEEP CONCRETE PAN JOIST SYSTEM-W/ 5" CONCRETE SLAB ON 15" DEEP PANS PER SECTION 6/52.1. TOP OF SLAB ELEVATION = 691.38'. 52.1 5 52.l PROVIDE BLOCKOUTS IN FLOOR SLAB——FOR 12"x14" RETURN & SUPPLY OPENINGS. PROVIDE GRID OF #4 REBAR @2"00 EACH WAY AT EACH OPENING PER SECTION
6A/52.I FOR PROTECTION AGAINST
WIND-BORNE DEBRIS THROUGH THE OPENINGS. 10 52.I TYPICAL:
HOLD-DOMN
ANCHOR PER
SECTION 4/50.2 <u>8</u> 52.l TYPICAL: SIMPSON CPT66Z CONCEALED POST TIE BASE AT EACH COLUMN. FASTEN TO SLAB w/ (2) 1/2" DIAMETER EPOXY ANCHORS W/ 41/2" EMBEDMENT

MAIN LEVEL / FLOOR FRAMING PLAN - OFFICE

NOTES:

1. REFER TO GENERAL NOTES ON SHEET SO.I.

2. VERIFY ALL DIMENSIONS & ELEVATIONS W/ ARCHITECTURAL DRAWINGS.

3. INDICATES SIMPSON HOLD-DOWN ANCHOR PER SECTION 4/SO.2.

4. ALL MECHANICAL PENETRATIONS THROUGH CONCRETE WALLS OR SLABS SHALL BE SCREENED WITH A GRID OF #4 REBAR @2"oc TO PROTECT AGAINST WIND-BORNE DEBRIS. REFER TO SECTION 6A/S2.I.



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TIMBER RIDGE COTTAGES

SEAL ENGINEER - MICHAEL J. FALBE LICENSE NO. 20065

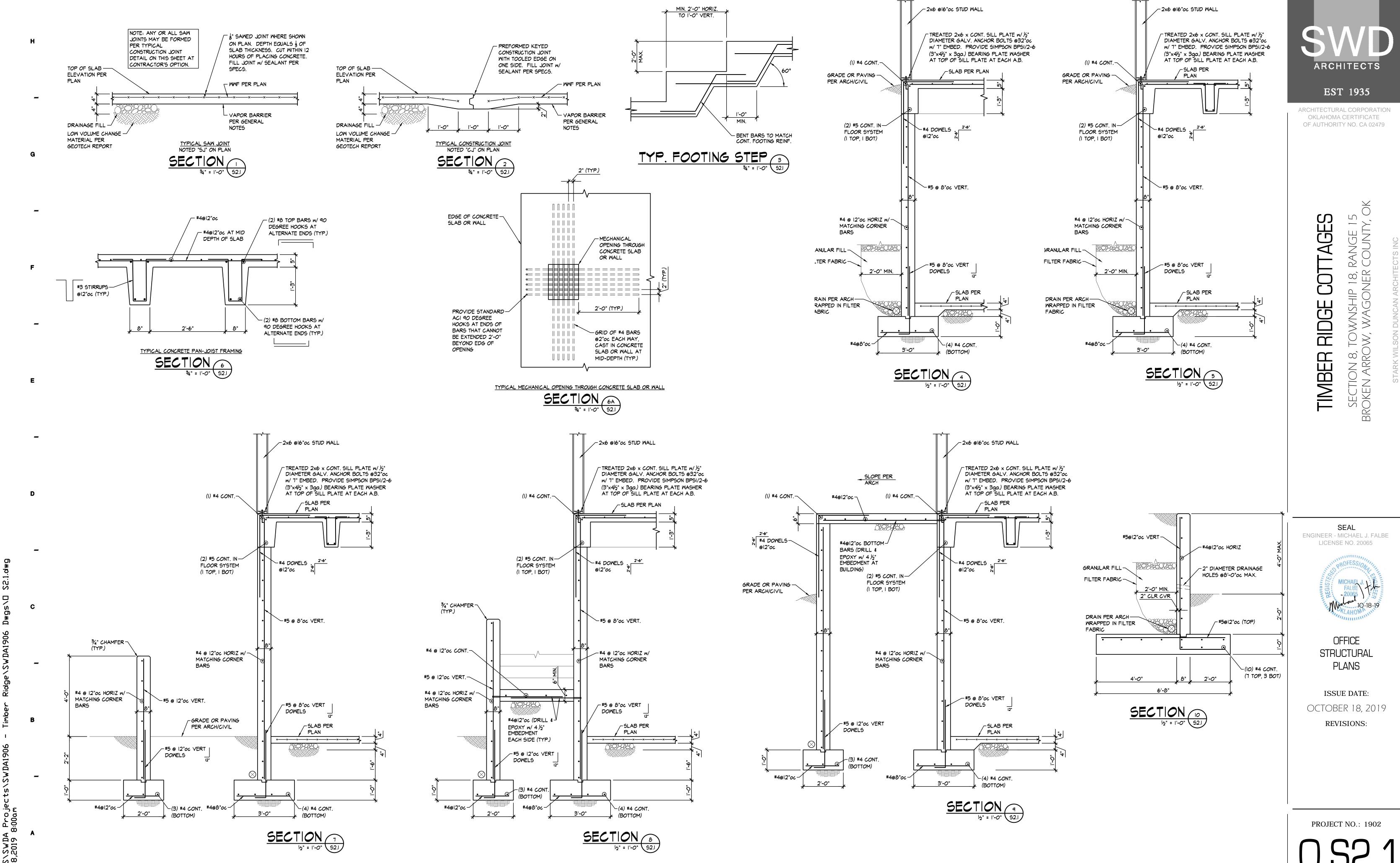


OFFICE STRUCTURAL FLOOR PLANS

ISSUE DATE: OCTOBER 18, 2019

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OF AUTHORITY NO. CA 02479

TIMBER RIDGE COTTAGES SECTION 8, TOWNSHIP 18, RANGE 15

SEAL ENGINEER - MICHAEL J. FALBE

LICENSE NO. 20065



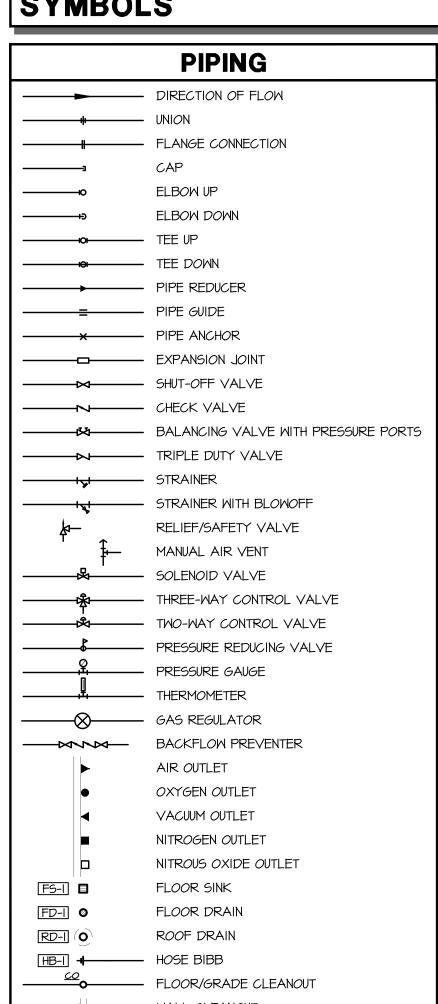
SECTIONS

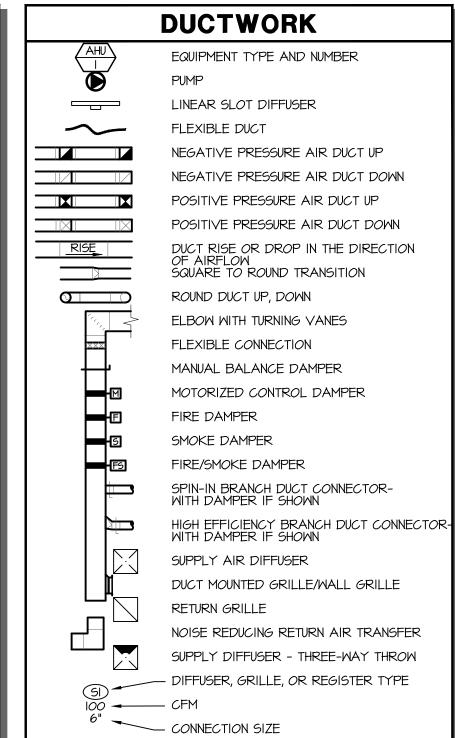
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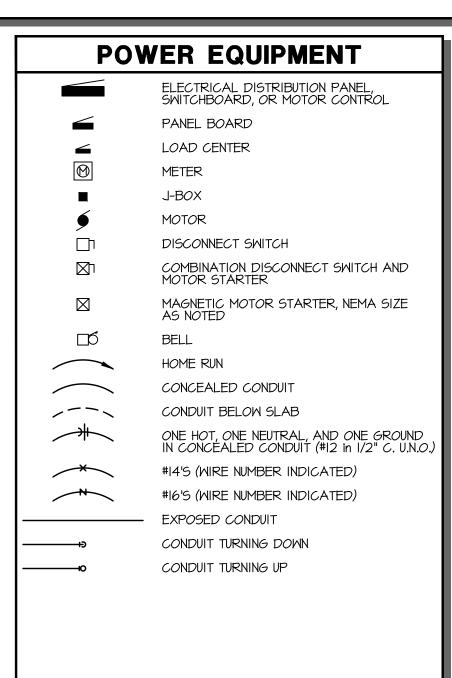
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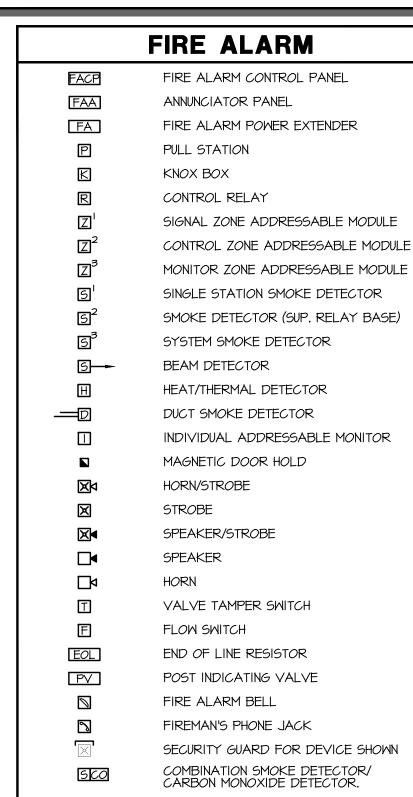


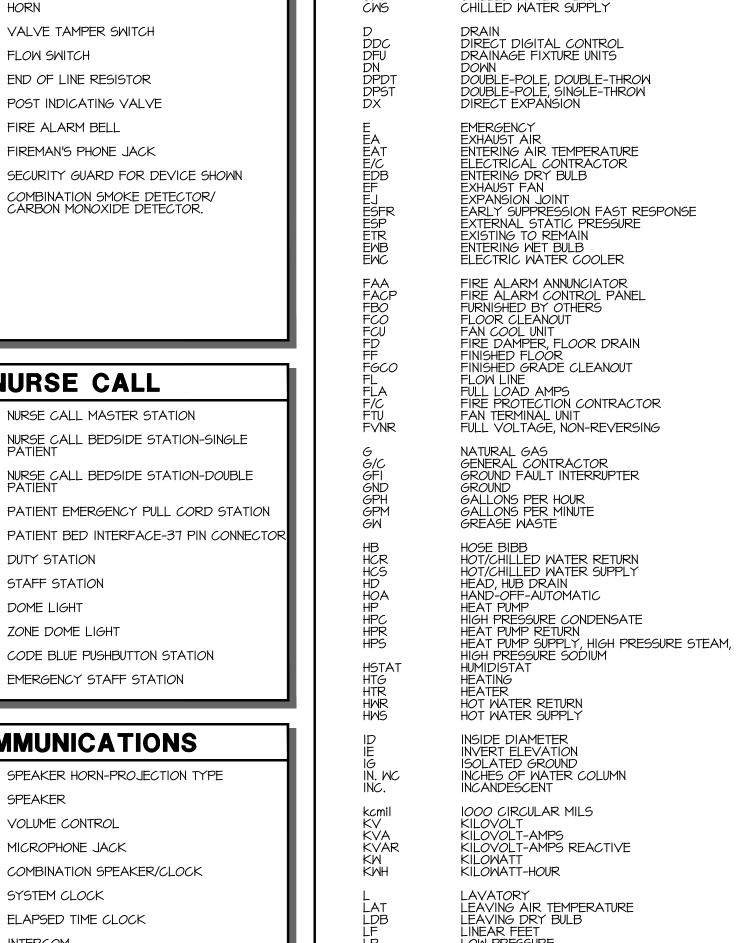
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7



5





LOW PRESSURE STEAM CONDENSATE LIQUIFIED PETROLEUM GAS (PROPANE)

LOW PRESSURE STEAM

LOCKED ROTOR AMPS

1000 BTU PER HOUR

MOTORIZED DAMPER

MAIN SWITCHBOARD

MAKE-UP AIR UNIT

NOT APPLICABLE

MANUFACTURER

MAIN LUGS ONLY

LEAVING WET BULB LEAVING WATER TEMPERATURE

MECHANICAL CONTRACTOR MINIMUM CIRCUIT AMPACITY

MOTOR CONTROL CENTER 1000 CIRCULAR MILS

MAIN DISTRIBUTION PANEL

MANHOLE/METAL HALIDE

MEDIUM PRESSURE CONDENSATE MEDIUM PRESSURE STEAM

NON-FREEZE WALL HYDRANT NOT IN CONTRACT

NITROUS OXIDE NORMALLY OPEN, NORMALLY CLOSED

3

AMG

CTS

CWR

ABBREVIATIONS

AMPS; AIR (COMPRESSED) AIR CONDITIONING AMPERE FUSE

ABOVE FINISHED CEILING

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

AIR PRESSURE DROP

AMERICAN WIRE GAUGE

BACKFLOW PREVENTER

BELOW FINISHED FLOOR

CURRENT TRANSFORMER

CONSTANT AIR VOLUME

CUBIC FEET PER HOUR

COOLING TOWER

CUBIC FEET PER MINUTE

COOLING TOWER SUPPLY

CABINET UNIT HEATER

CHILLED WATER RETURN

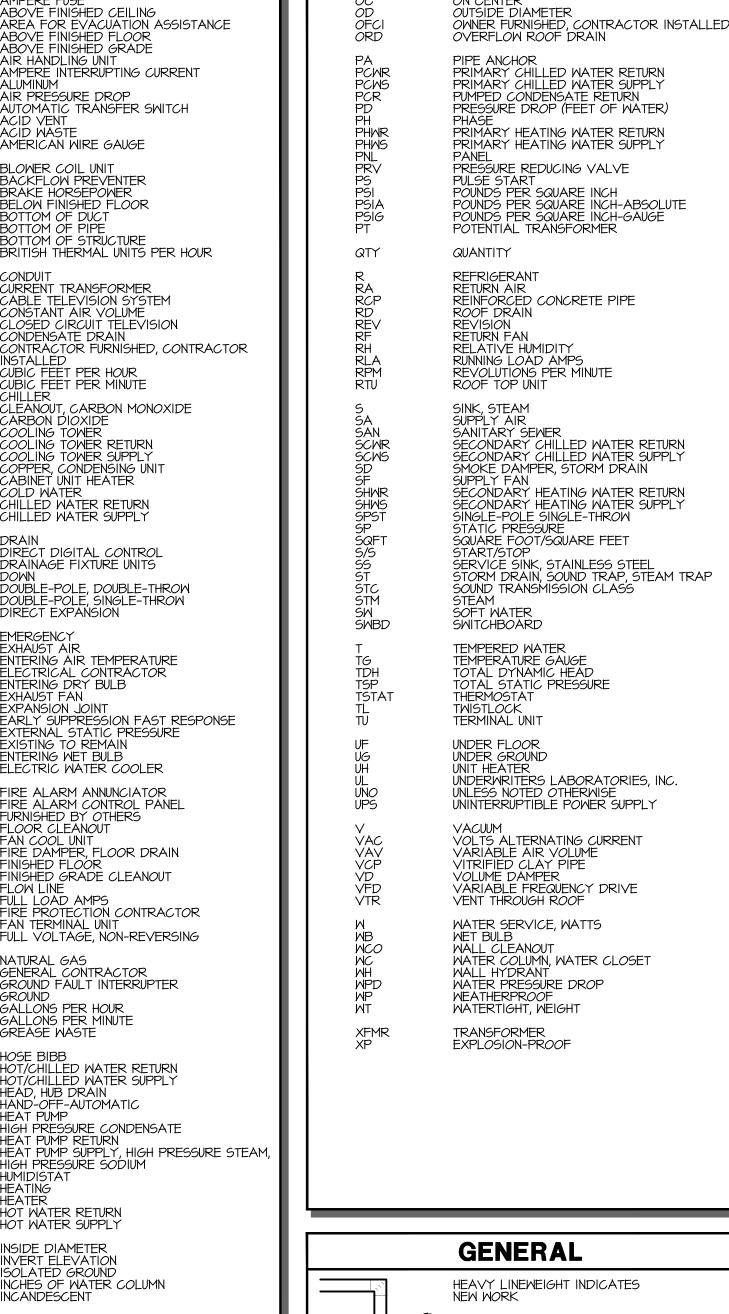
OPPER, CONDENSING UNIT

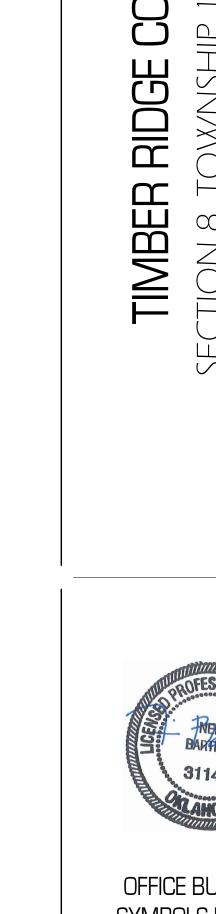
BRAKE HORSEPOWER

BLOWER COIL UNIT

BOTTOM OF PIPE OTTOM OF STRUCTURE

ACID VENT







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OF AUTHORITY NO. CA 02479

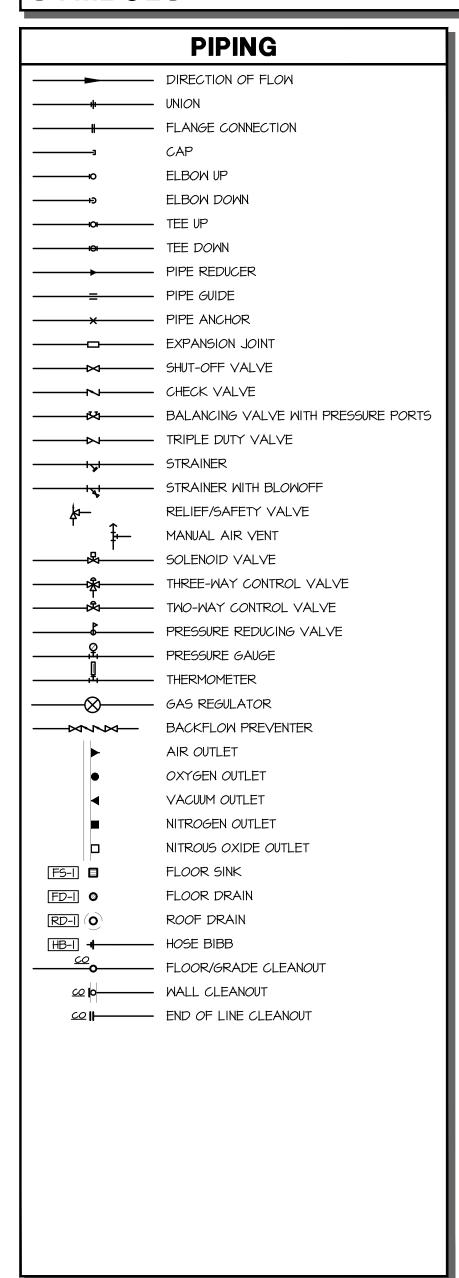
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OFFICE BUILDING SYMBOLS LEGEND

ISSUE DATE: OCTOBER 18, 2019 **REVISIONS:**

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<u> </u>	IATORE CONTINGE
⊕AHU−1	TEMPERATURE SENSOR/THERMOSTAT SERVING AHU-I
\oplus	HUMIDITY SENSOR/HUMIDISTAT
T	REMOTE TEMPERATURE SENSOR
H	REMOTE HUMIDITY SENSOR
<i>CO</i> 2	CARBON DIOXIDE SENSOR
OCC	OCCUPANCY SENSOR
CO	CARBON MONOXIDE SENSOR
SP	STATIC PRESSURE SENSOR
DPT	DIFFERENTIAL PRESSURE TRANSMITTE
FM	FLOW METER

	LIGHTING
<u> </u>	LIGHT TRACK WITH LIGHT TYPES AS INDICATED
⊙ ⊁	WALL WASHER LIGHTING FIXTURE, ARROW INDICATES DIRECTION
(A)	FLUORESCENT FIXTURE AND TYPE
	EMERGENCY LIGHT FIXTURE
	NIGHT LIGHT FIXTURE
A	LIGHT FIXTURE AND TYPE
∆⊙	LIGHT FIXTURE AND TYPE
0	EMERGENCY LIGHT FIXTURE
오	WALL MOUNTED FIXTURE
	WALL SCONCE
	WALL MOUNTED FIXTURE
•─ •□	POLE MOUNTED LIGHT (NUMBER OF HEADS AS SHOWN)
•	TENON MOUNTED POLE LIGHT
8	IN-GROUND LIGHT FIXTURE
•	BOLLARD LIGHT FIXTURE
⊗	EXIT LIGHT CLG. MNTD. (SGL. FACE)
let	EXIT LIGHT CLG. MNTD. (DBL. FACE)
♥	EXIT LIGHT WALL MNTD. (SGL. FACE)
	EXIT/EMERGENCY LIGHT
	EMERGENCY LIGHT
X	CEILING FAN

WIRING DEVICES & OUTLETS

SIMPLEX RECEPTACLE

DUPLEX RECEPTACLE

QUAD RECEPTACLE

GROUND FAULT INTERRUPTER

GROUND FAULT INTERRUPTER WEATHERPROOF DUPLEX RECEPTACLE

HEAVY DUTY RECEPTACLE-NEMA TYPE AS NOTED

	AJ NOTED
	FLOOR MOUNTED DEVICE
● ▼	CEILING MOUNTED DEVICE
•	ISOLATED GROUND DUPLEX RECEPTACLE
♣	ISOLATED GROUND QUAD RECEPTACLE
w	WALL MOUNTED PHONE
d ⁴⁸ ▼ ⁴⁸	CENTER OF DEVICE AT 48" A.F.F.
$\Phi_{E} \oplus_{E}$	DEVICE ON EMERGENCY POWER
∇	DATA OUTLET
$oldsymbol{ abla}$	TELEPHONE/DATA OUTLET
\downarrow	CABLE T.V. OUTLET
\$77\$	CABLE TRAY
••••	SURFACE RACEWAY
\$	SWITCH, SPST U.N.O.
\$ ²	SWITCH, DPST
\$ ^F	FUSESTAT
\$ ³	3-WAY SWITCH
\$ ⁴	4-WAY SWITCH
\$ ^D	DIMMER SWITCH
\$ ^J	JAMB SWITCH
\$ ^M	MOTOR RATED SWITCH
\$ ^{WP}	SWITCH WITH WEATHERPROOF COVER
\$ ^K	KEYED SWITCH
TS	TIME SWITCH
•	PUSH BUTTON
P	PHOTOCELL SWITCH
<i>O</i> #	CEILING OCCUPANCY SENSOR
RC #	ROOM CONTROLLER
EM #	EMERGENCY CONTROL UNIT

COMMUNICATIONS			
(§)⊲	SPEAKER HORN-PROJECTION TYPE		
(5)	SPEAKER		
\bigcirc	VOLUME CONTROL		
M)	MICROPHONE JACK		
60	COMBINATION SPEAKER/CLOCK		
©	SYSTEM CLOCK		
E	ELAPSED TIME CLOCK		
(C)	INTERCOM		
6	POWER SUPPLY		
A	AMPLIFIER		

NURSE CALL

DUTY STATION

STAFF STATION

ZONE DOME LIGHT

CODE BLUE PUSHBUTTON STATION

EMERGENCY STAFF STATION

DOME LIGHT

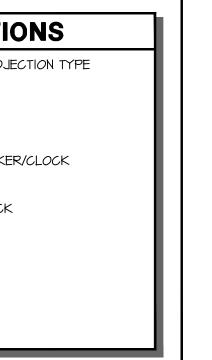
P₂

NURSE CALL MASTER STATION

NURSE CALL BEDSIDE STATION-SINGLE PATIENT

NURSE CALL BEDSIDE STATION-DOUBLE PATIENT

	SECURITY
□ k	CLOSED CIRCUIT TELEVISION CAMERA
(EL)	ELECTRIC DOOR LOCK
	DOOR MONITOR
(R)	CARD READER
(GB)	GLASS BREAK
(RE)	REQUEST TO EXIT BUTTON
⟨SM ⟩	SECURITY MONITOR
(PB) ^D	PANIC BUTTON (D=DESK, W=WALL, F=FLOOR)
(KP)	KEY PAD

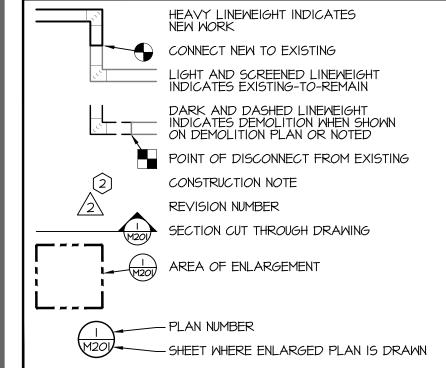


LWB

MLO MPC MPS MS MSB MTD

MAU

S	ECURITY
□ d CL	OSED CIRCUIT TELEVISION CAMERA
(EL) ELE	ECTRIC DOOR LOCK
ØM) D0	OR MONITOR
⟨R⟩ CA	RD READER
GB GL,	ASS BREAK
RE) RE	QUEST TO EXIT BUTTON
SM) SEC	CURITY MONITOR
₽B ^D PA	NIC BUTTON (D=DESK, W=WALL, F=FLOOR)
KP KE	Y PAD



THIS IS A MASTER LEGEND. NOT ALL SYMBOLS, ABBREVIATIONS, ETC. ARE USED ON THE DRAWINGS.

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----- SPRINKLER HEAD (SIDEWALL) — SPRINKLER HEAD (UPRIGHT) FIRE PROTECTION PIPING SIAMESE CONNECTION

VENT THROUGH ROOF NOTE

FIRE PROTECTION

PLUMBING

- - WASTE LINE-BELOW GRADE

---- DOMESTIC HOT WATER

----T----- DOMESTIC TEMPERED HOT WATER ----- DOMESTIC HOT WATER RECIRC.

-----140----- 140 DEGREE DOMESTIC HOT WATER

----- DOMESTIC COLD WATER

————— VENT LINE

- WASTE LINE-ABOVE GRADE

LIGH	IT FIXTURE	SCHEDULE							
				LAMP DATA			TOTAL		
MARK	MANUFACTURER	MODEL	QUAN.	TYPE	VOLTS	MOUNTING	WATTS	DESCRIPTION	NOTES
SA	WILLIAMS	VAI-L83/740-T3-S-DIM-208-PCR		LED	208	POLE	83	EXTERIOR FIXTURE WITH TYPE 3 DISTRIBUTION	1,2,3
SA2	WILLIAMS	VAI-L83/740-T4-S-DIM-208-PCR	2	LED	208	POLE	166	EXTERIOR FIXTURE WITH TYPE 4 DISTRIBUTION	1,2,3

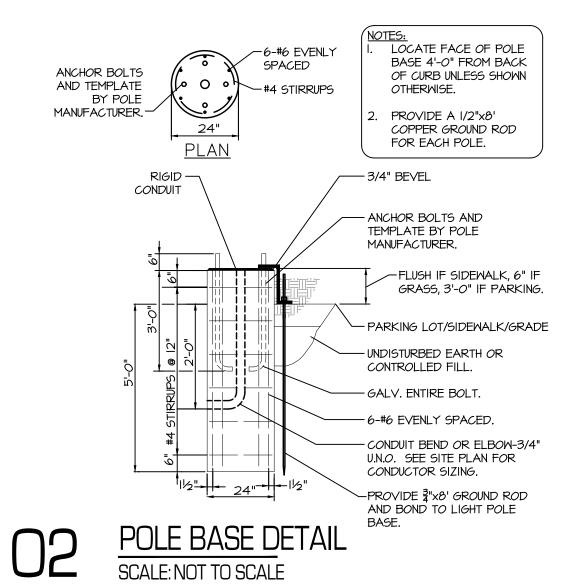
FURNISH 22' TALL LIGHT POLE AND BASE COVER, WILLIAMS-SSA-200-0400-188 / A356-T6, COLOR AS SPECIFIED BY ARCHITECT. COLOR SPECIFIED BY ARCHITECT.

NORTH

3. PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL.

GENERAL NOTES:

A. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION.





- A. REFERENCE MECHANICAL SHEETS FOR MECHANICAL GENERAL
- B. REFERENCE PLUMBING SHEETS FOR PLUMBING GENERAL NOTES.
- C. REFERENCE ELECTRICAL SHEETS FOR ELECTRICAL GENERAL
- D. ALL ELECTRICAL WORK SHALL COMPLY WITH UTILITY COMPANY STANDARDS, AND BE APPROVED BY UTILITY COMPANY AND CITY PRIOR TO INSTALLATION.
- E. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION OF BUILDING TYPES.

ELECTRICAL PLAN NOTES:

- PROPOSED ELECTRIC UTILITY TRANSFORMER. PROVIDE TRANSFORMER PAD PER LOCAL UTILITY REQUIREMENTS. REFER TO ELECTRICAL RISER DIAGRAM FOR EACH RESPECTIVE BUILDING FOR MORE INFORMATION. IMMEDIATELY AFTER BEING AWARDED CONTRACT, NOTIFY ELECTRIC UTILITY OF WORK ON SITE TO BE PERFORMED BY ELECTRIC UTILITY. ROUTING OF ELECTRIC UTILITY WORK IS DIAGRAMMATIC AND FOR COORDINATION PURPOSES ONLY.
- 2. PROVIDE METER BANK AND MAIN CIRCUIT BREAKERS FOR ELECTRICAL SERVICE ON THE EXTERIOR OF THE BUILDING AT THIS LOCATION. REFER TO ELECTRICAL RISER DIAGRAM #1.
- 3. PROVIDE (2)#8'S, AND A #10 GROUND IN 3/4" CONDUIT.
- 4. PROVIDE (2)#IO'S, AND A #IO GROUND IN 3/4" CONDUIT.
- 5. PROVIDE WEATHERPROOF HORN/STROBE ON EXTERIOR OF BUILDING. CIRCUIT TO FIRE PROTECTION FLOW AND TAMPER SWITCHES. ROUTE TO ADDRESSABLE FIRE ALARM CONTROL PANEL LOCATED IN APARTMENT BUILDING.
- 6. BUILDING CABLE TELEVISION CONNECTION BOX.
- 7. BUILDING TELEPHONE CONNECTION BOX.

PLUMBING PLAN NOTES:

- I. REFER TO CIVIL SITE PLAN FOR CONTINUATION. 2. FIRE DEPARTMENT SIAMESE CONNECTION.
- 3. 6" COMBINED DOMESTIC WATER AND FIRE PROTECTION SERVICE
- 4. 6" SANITARY DRAIN LINE.
- 5. 4" COMBINED DOMESTIC WATER AND FIRE PROTECTION SERVICE
- 6. 4" SANITARY DRAIN LINE.
- 7. I" DOMESTIC WATER SERVICE LINE.



ARCHITECTURAL CORPORATION OKLAHOMA CERTIFICATE OF AUTHORITY NO. CA 02479

MPE SITE PLAN

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 $\frac{\text{MPE ROOF PLAN}}{\text{SCALE: } 1/4" = 1'-0"}$

GENERAL NOTES:

A. REFERENCE SHEET MI.I FOR MECHANICAL GENERAL NOTES.

B. REFERENCE SHEET PO.I FOR PLUMBING GENERAL NOTES.

C. REFERENCE SHEET E2.I FOR POWER GENERAL NOTES.

D. ALL ROOF JACKS TO BE PAINTED TO MATCH ADJACENT ROOF

*** MECHANICAL PLAN NOTES:**

I. BATHROOM EXHAUST VENT. REFER TO DETAIL ON M5.I. ROUTE VENT IN ATTIC SPACE AS SHOWN.

PLUMBING AND RADON CONTROL SYSTEM PLAN NOTES:

3" VENT THRU ROOF.
 3" PVC RADON VENT.

RADON CONTROL SYSTEM NOTES:

- I. INSTALL RADON CONTROL SYSTEM IN ACCORDANCE WITH ANSI/AARST CC-1000-2017 "SOIL GAS CONTROLS SYSTEMS IN NEW CONSTRUCTION BUILDINGS."
- 2. OPENINGS AROUND BATHTUBS, SHOWERS, WATER CLOSETS, PIPES, WIRES OR OTHER OBJECTS THAT PENETRATE CONCRETE SLABS OR OTHER FLOOR ASSEMBLIES SHALL BE FILLED WITH A POLYURETHANE CAULK OR EQUIVALENT SEALANT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.



ARCHITECTURAL CORPORATION
OKLAHOMA CERTIFICATE

OF AUTHORITY NO. CA 02479

WOLVEY

OF AUTHORITY NO. CA 02479

SECTION 8, TOWNSHIP 18, RANGE 15 DKEN ARROW, WAGONER COUNTY, OKLAH



OFFICE BUILDING MPE ROOF PLAN

ISSUE DATE:

OCTOBER 18, 2019

REVISIONS:



PROJECT NO.: 1902

O MPE1.1

ARCHITECTURAL TRADES.

DIMENSION.

GENERAL NOTES:

CONSTRAINTS OR OTHER CONDITIONS.

REGISTERS, AND DIFFUSERS.

A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. PROVIDE SHEET METAL SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY OFFSETS, FITTINGS AND SPECIAL RADIUS OR MITRED ELBOWS WHICH ARE REQUIRED DUE TO SPACE

B. COORDINATE THE INSTALLATION OF THE DUCTWORK AND

C. DUCTWORK SHALL NOT BE LOCATED OVER ELECTRICAL

D. PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.

E. COORDINATE FLOOR, WALL, ROOF PENETRATIONS, LOUVER

F. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND

WALL ELEVATIONS FOR EXACT LOCATION OF GRILLES,

G. DUCTWORK UPSTREAM OF SUPPLY TERMINAL UNITS SHALL BE

GREATER AS RECOMMENDED BY MANUFACTURER.

BOX OUTLET SIZE UNLESS NOTED OTHERWISE.

BOX INLET SIZE UNLESS NOTED OTHERWISE. PROVIDE STRAIGHT DUCT AT TERMINAL INLET. STRAIGHT DUCT LENGTH SHALL BE A

MINIMUM OF 1 1/2 TIMES THE DIAMETER OF THE INLET DUCT, OR

H. DUCTWORK DOWNSTREAM OF SUPPLY TERMINAL UNITS SHALL BE

ACCESS TO TERMINAL UNITS, BALANCING DAMPERS, TERMINAL

UNIT HEATING COIL PIPING, ETC. REFER TO ARCHITECTURAL

DRAWINGS FOR CEILING TYPES. COORDINATE WITH THE

I. BRANCH DUCTWORK TO DIFFUSERS, REGISTERS OR GRILLES SHALL BE NECK SIZE UNLESS NOTED OTHERWISE. J. ALL DUCTWORK DIMENSIONS INDICATE THE INSIDE CLEAR

K. PROVIDE ACCESS DOORS IN HARD CEILING AREAS FOR

EQUIPMENT WITH THE WORK OF ALL OTHER TRADES. VERIFY ALL CLEARANCES PRIOR TO THE FABRICATION OF ANY SYSTEM

EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.

SIZES, PAD LOCATIONS, ETC. WITH THE ARCHITECTURAL TRADES.

2. 4" BATHROOM EXHAUST VENT. ROUTE TO EXTERIOR WALL AND PROVIDE WALL CAP (TYP.). TERMINATION SHALL BE EQUIPPED WITH BACKDRAFT DAMPER. MAINTAIN 3 FOOT CLEARANCE ABOVE OPERABLE WINDOWS. REFER TO DETAIL ON SHEET O

3. I4xI2 SUPPLY DUCT UP TO SERVE FIRST FLOOR. SEE

STRUCTURAL DRAWINGS FOR PENETRATION REQUIREMENTS. 4. 14x12 SUPPLY DUCT DOWN, SEE STRUCTURAL DRAWINGS FOR PENETRATION REQUIREMENTS.

5. I4xI2 RETURN DUCT DOWN, SEE STRUCTURAL DRAWINGS FOR PENETRATION REQUIREMENTS.

6. PROVIDE IO" WALL CAP FOR OUTSIDE AIR INTAKE. PROVIDE WITH BIRDSCREEN.

7. PROVIDE MOTORIZED DAMPER AND BALANCE OUTSIDE AIR DAMPER TO 300 CFM. OUTSIDE AIR MOTORIZED DAMPER TO BE INTERLOCKED WITH AIR HANDLING UNIT. DAMPER SHALL OPEN WHEN UNIT IS ENERGIZED AND CLOSE WHEN UNIT IS OFF.

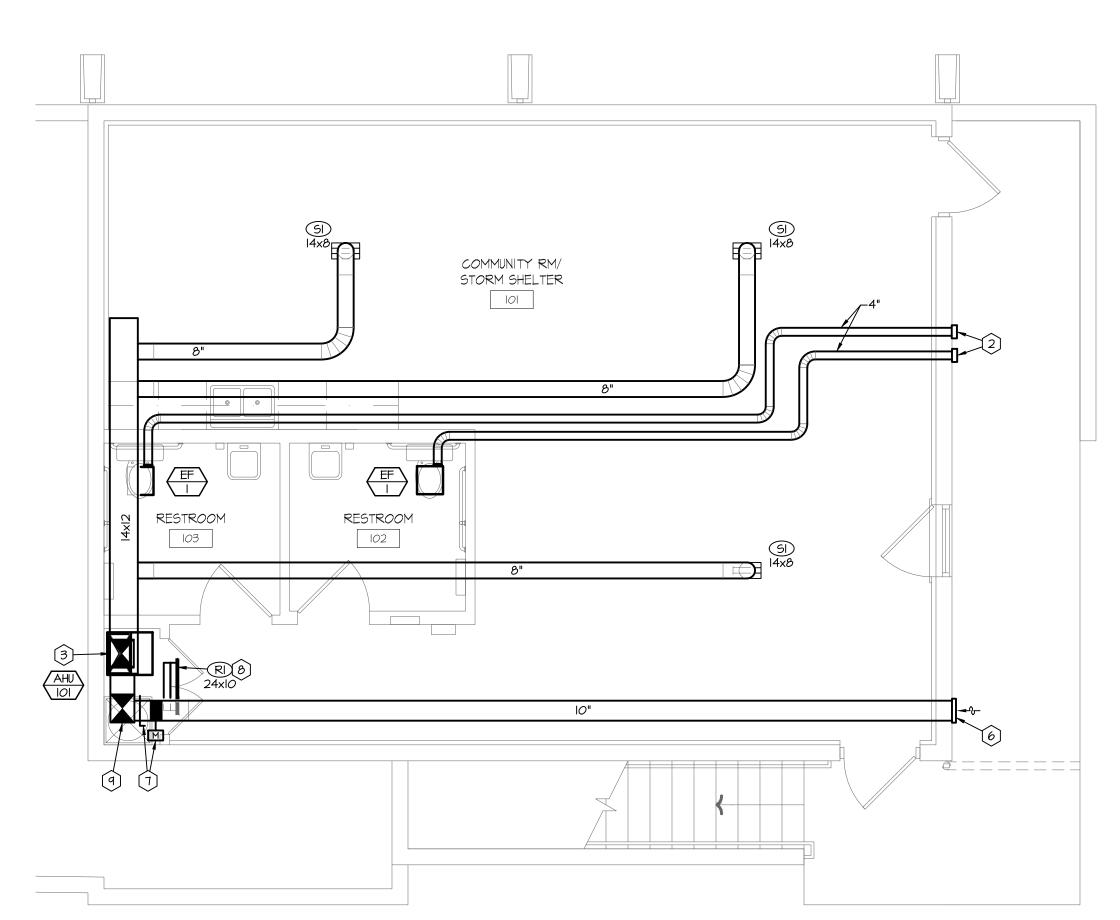
8. INSTALL RETURN GRILLE CENTERED ABOVE CLOSET DOOR. 9. 14x12 RETURN DUCT UP TO FIRST FLOOR.

IO. RETURN DUCT LOCATED ABOVE CORRIDOR CEILING AND BELOW ATTIC SPACE.

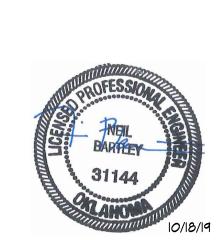
II. SUPPLY DUCT LOCATED ABOVE CEILING IN ATTIC SPACE.

MAINTENANCE FITNESS 207 208 205 RECORD STORAGE 206 LIBRARY W/ RESTROOM COMPUTER 204 HALLWAY 203 202

5



OFFICE BUILDING MECHANICAL PLAN - BASEMENT
SCALE: 1/4" = 1'-0"



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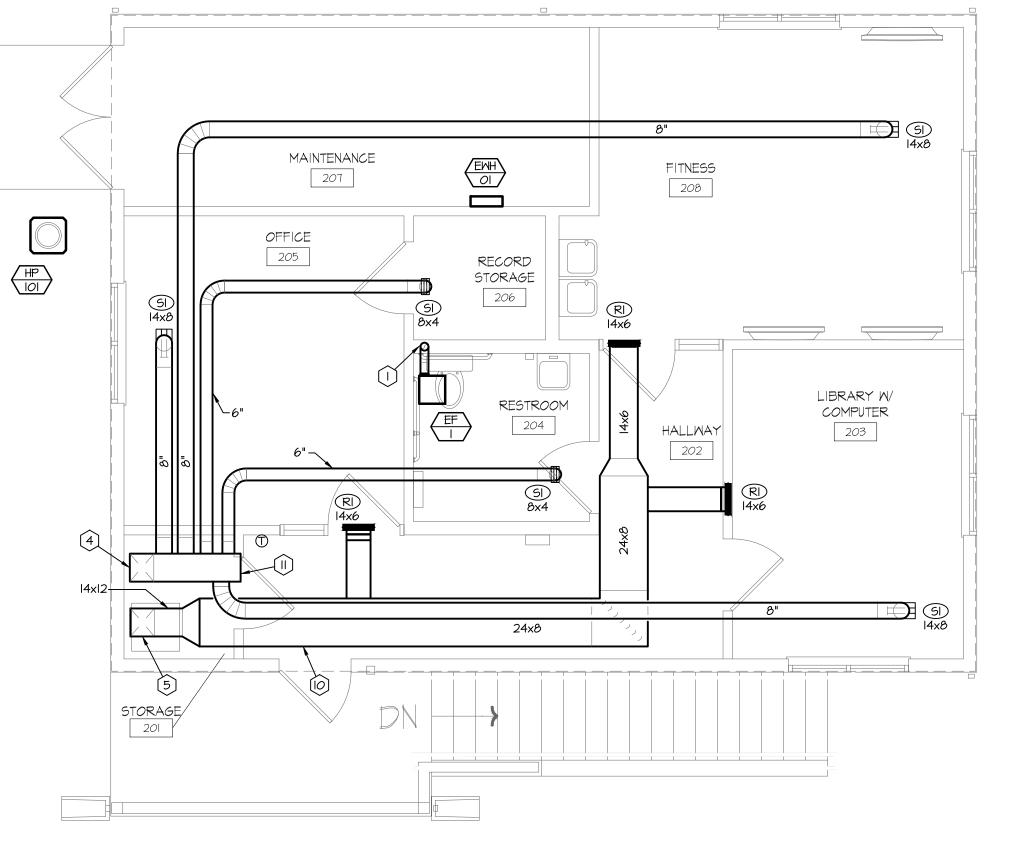
OFFICE BUILDING MECHANICAL PLAN

ISSUE DATE: OCTOBER 18, 2019

REVISIONS:

HOSS & BROWN 11205 West 79th Street
Lenexa, Kansas 66214
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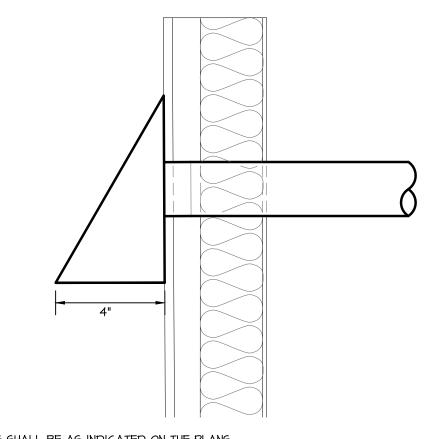
OFFICE BUILDING MECHANICAL PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

OFFICE BUILDING MECHANICAL **DETAILS**

ISSUE DATE: OCTOBER 18, 2019 **REVISIONS:**

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PROJECT NO.: 1902 Lenexa, Kansas 66214 913.362.9090 | mail@h-be.com H&B PROJECT NUMBER : 1920580 © Hoss & Brown Engineers 2019 COPYRIGHT © 2019 SWD ARCHITECTS INC.



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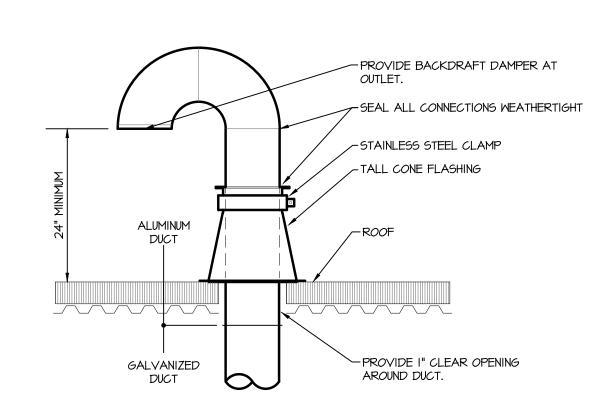
NOTES:

I. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS. PROVIDE SIDING AND FLASHING PER ARCHITECTURAL AND/OR SIDING MANUFACTURER'S REQUIREMENTS. 3. USE POP RIVETS ON ALL DRYER VENT. SHEETMETAL SCREWS ARE NOT ACCEPTABLE. 4. THE MALE END OF THE DUCT AT OVERLAPPED DUCT JOINTS SHALL EXTEND IN THE DIRECTION OF AIRFLOW.

6. PROVIDE BUG SCREENS FOR BATHROOM EXHAUST. 7. PROVIDE BACKDRAFT DAMPERS FOR BATHROOM EXHAUST AND DRYER EXHAUST.

5. ALL WALL CAPS TO BE PAINTABLE.

6 Exterior Wall Bathroom Exhaust Detail Scale: Not to Scale

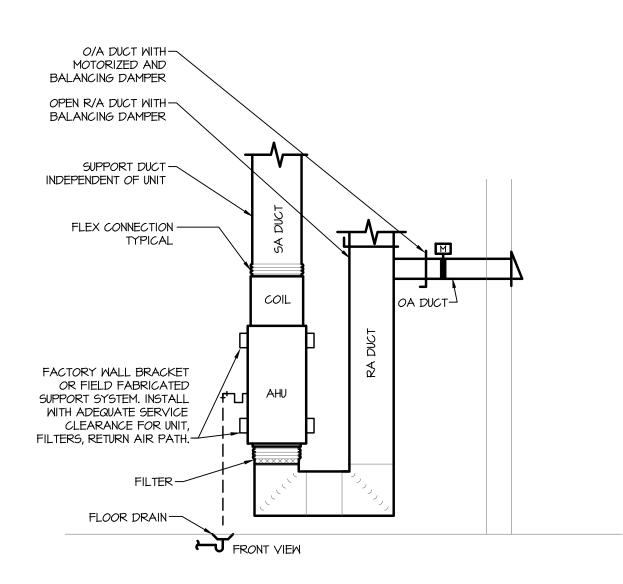


NOTES:

I. DUCT SIZES SHALL BE AS INDICATED ON THE PLANS.

2. PROVIDE ROOFING AND FLASHING PER ARCHITECTURAL AND/OR ROOF MANUFACTURER'S REQUIREMENTS.

5 Round Intake or Exhaust Gooseneck Scale: Not to Scale



4 Office Space AHU Detail

Scale: Not to Scale

3 Heat Pump Mounting Detail Scale: Not to Scale

-HEAT PUMP; MOUNT

PROVIDE CONCRETE

PAD FOR HEAT PUMP

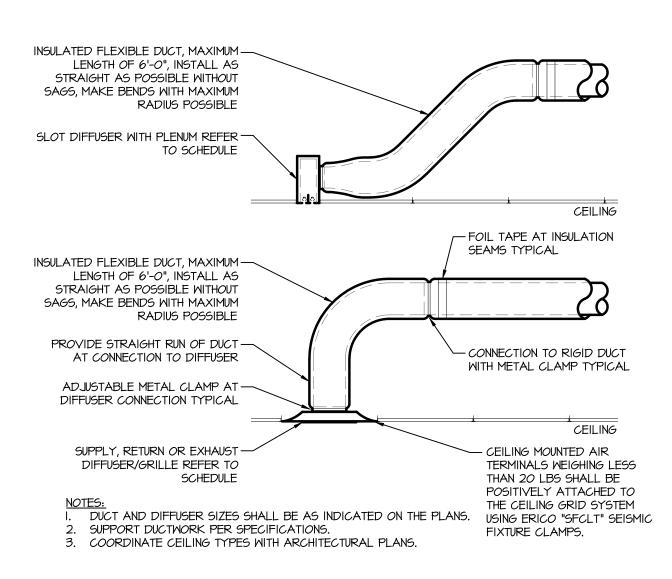
DISCONNECT SWITCH -MOUNT ON WALL -REFRIGERANT PIPING;

SEALANT AT PIPING

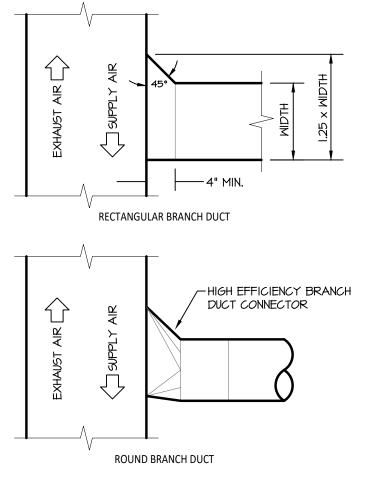
AND CONDUIT PENETRATIONS. -

PROVIDE WEATHERPROOF

SIZED BY MANUFACTURER -



2 Diffuser Connection Detail Scale: Not to Scale



NOTES:

I. SUPPLY, RETURN AND EXHAUST FITTINGS ARE SIMILAR, ONLY DIRECTION OF AIRFLOW CHANGES. 2. REFER TO FLOOR PLANS FOR BRANCH LOCATIONS REQUIRING BALANCING DAMPERS.

Branch Duct Detail

MAXIMUM NC OF 30 FOR ALL GRILLES, REGISTERS, AND DIFFUSERS.

UNLESS NOTED OTHERWISE, COLOR SHALL BE STANDARD WHITE.

GENERAL NOTES (APPLY TO ALL ABOVE).

GENERAL NOTES (APPLY TO ALL ABOVE).

MARK	MANUFACTURER	MODEL	CFM	S.P.	DRIVE	ВНР	HP	RPM	dBA	V/PH	NOTES
EF-I	BROAN	AE80L	50	0.25	DIRECT	26.9 W		-	28	120/1	l, 2
NOTES:											
1.	PROVIDE WITH FACTORY	INSTALLED AND WI	RED DISCONNEC	T.							
2.	PROVIDE WITH BROAN RE	OMI RADIATION DAN	MPER								

PROVIDE MOUNTING FRAME TO MATCH CEILING TYPE. VERIFY WITH ARCHITECT'S PLANS PRIOR TO ORDERING.

WHERE NOT NOTED, DIFFUSER NECK SIZE SHALL BE THE SAME AS THE BRANCH DUCT SIZE.

PROVIDE WITH INTEGRAL THERMOSTAT AND DISCONNECTING MEANS

FOUR-WAY THROW PATTERN FOR SQUARE DIFFUSERS UNLESS NOTED OTHERWISE.

MARK	MANUFACTURER	MODEL	KW	V/PH	MCA	MOCP	NOTES
EWH-OI	Q-MARK	CWH3508F	4.8	208/1	28.8	30	



ARCHITECTURAL CORPORATION
OKLAHOMA CERTIFICATE
OF AUTHORITY NO. CA 02479

IINIDER RIDGE GOI LAGES TION 8, TOWNSHIP 18, RANGE 15 RROW, WAGONER COUNTY, OKLAHON



OFFICE BUILDING MECHANICAL SCHEDULES

ISSUE DATE:

OCTOBER 18, 2019

REVISIONS:

HOSS & BROWN

11205 West 79th Street
Lenexa, Kansas 66214

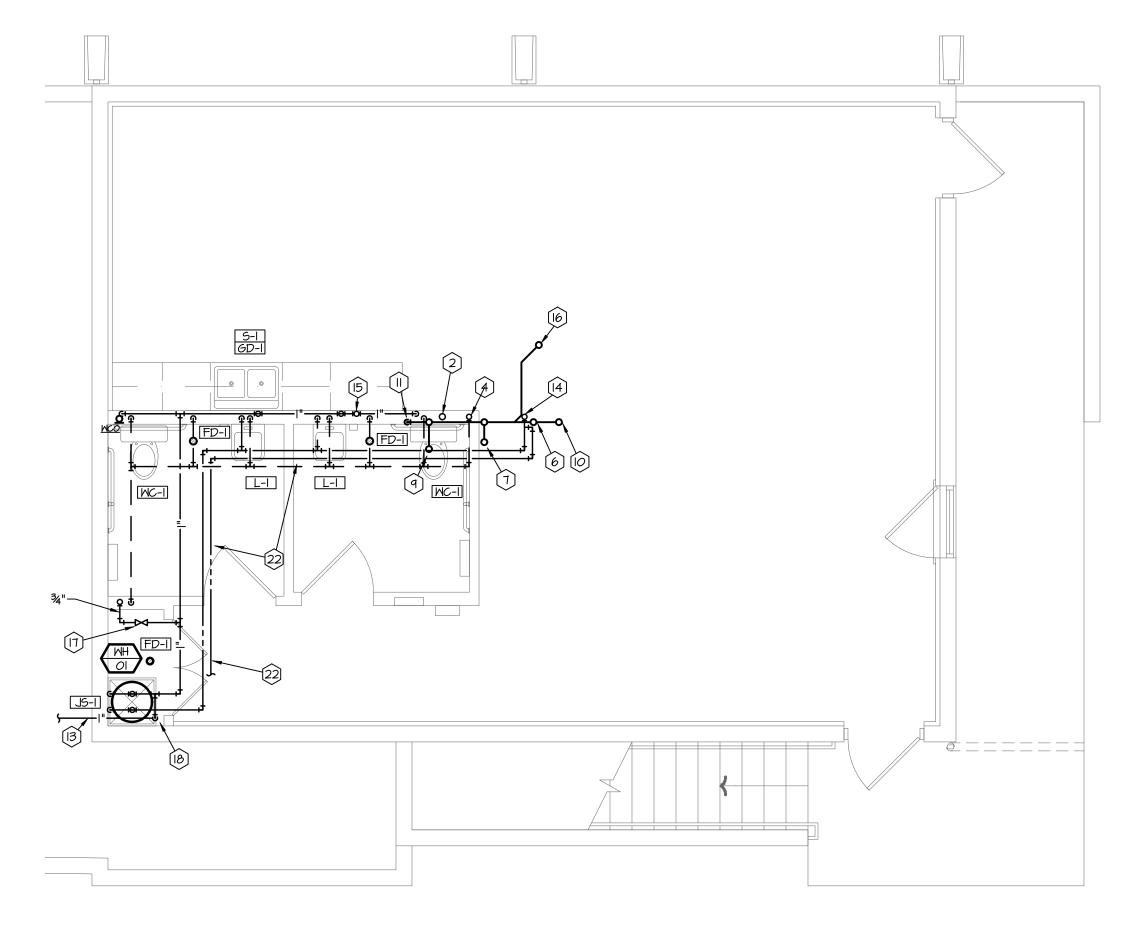
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OFFICE BUILDING PLUMBING PLAN - FIRST FLOOR

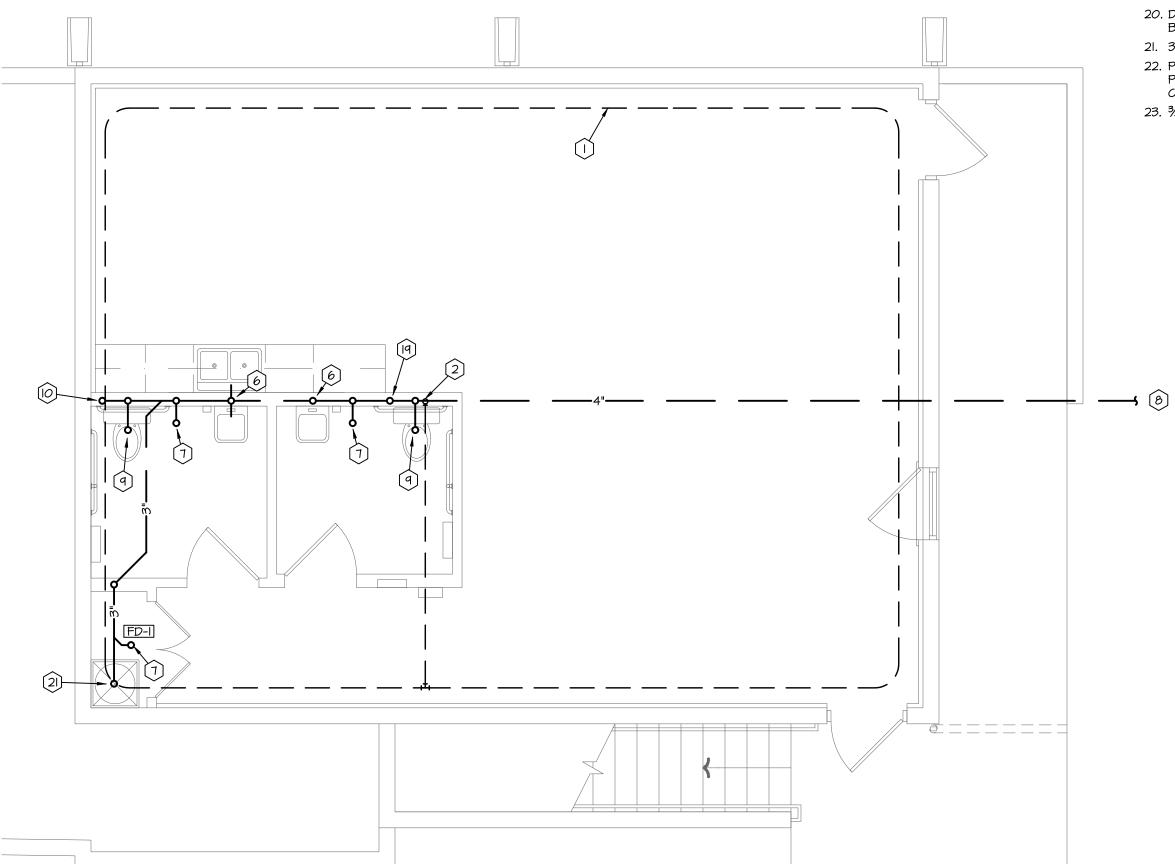
SCALE: 1/4" = 1'-0"



5

OFFICE BUILDING PLUMBING PLAN - BASEMENT ABOVE GRADE

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



OFFICE BUILDING PLUMBING PLAN - BASEMENT BELOW GRADE

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

GENERAL NOTES:

OTHER ACCESSORIES.

FACE OF THE PARAPET.

- A. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK, PROVIDE PLUMBING SYSTEMS COMPLETE AND PER APPLICABLE CODES INCLUDING ALL NECESSARY COMPONENTS AND OFFSETS WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS OR OTHER CONDITIONS.
- B. REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT LOCATIONS OF PLUMBING FIXTURES.
- C. COORDINATE THE INSTALLATION OF PLUMBING AND PIPING WITH THE WORK OF ALL OTHER TRADES.
- D. WHERE WALL MOUNTED FLUSH VALVE SENSORS ARE USED, THE PLUMBING CONTRACTOR SHALL COORDINATE THE LOCATION OF THE SENSORS WITH THE ELECTRICAL AND ARCHITECTURAL TRADES TO AVOID CONFLICTS WITH GRAB BARS OR ANY
- E. PIPING SHALL NOT BE LOCATED OVER ELECTRICAL EQUIPMENT OR PANELS. PROVIDE THE CODE REQUIRED WORKING CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT AND PANELS.
- F. THE CONTRACTOR SHALL NOT LOCATE PIPING BELOW DUCT MOUNTED AIR TERMINAL UNITS, TERMINAL HEATING COILS, OR OTHER EQUIPMENT.
- G. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE
- PROPER SUPPORT OF ALL PLUMBING SYSTEMS.

 H. COORDINATE THE SHUT DOWN OF ANY EXISTING SERVICES
- AND/OR EQUIPMENT WITH THE OWNER'S REPRESENTATIVE.

 I. PLUMBING VENT PIPING THROUGH THE ROOF SHALL BE LOCATED A MINIMUM OF IO'-O" AWAY FROM ANY FRESH AIR INTAKE

LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE

- J. PROVIDE THE CODE REQUIRED CLEARANCE FOR ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.
- K. MINIMUM UNDERGROUND PIPE SIZE SHALL BE 2".
- L. ***FOR JOHNSON COUNTY PROJECTS ONLY*** ALL EXTERIOR SANITARY SEMER PLUMBING FROM THE BUILDING FOUNDATION TO THE CONNECTION POINT SHALL MEET JOHNSON COUNTY WASTEWATER (JCW) STANDARDS AND REQUIREMENTS AND ALSO, SHALL BE INSPECTED BY A JCW INSPECTOR.

PLAN NOTES:

- I. 4" PERFORATED PVC PIPING INSTALLED IN CENTER OF GRAVEL LAYER FOR RADON CONTROL SYSTEM. INSTALL RADON CONTROL SYSTEM IN ACCORDANCE WITH ICC IRC 2015 APPENDIX F.
- 3" PVC PIPE UP FOR PASSIVE RADON CONTROL SYSTEM.
 3" PVC RISER UP THRU ROOF FOR PASSIVE RADON
- 3" PVC RISER UP THRU ROOF FOR PASSIVE RADON SUPPRESSION SYSTEM.
- 4. 2-1/2" VENT UP TO FIRST FLOOR.
- 5. 3" VENT THRU ROOF.
- 6. 2" WASTE UP TO LAVATORY/SINK.
- 7. 2" TRAPPED WASTE UP TO FLOOR DRAIN.
- 8. REFER TO MPE SITE PLAN FOR CONTINUATION.9. 3" WASTE UP TO WATER CLOSET.
- 10. 3" WASTE UP TO WALL CLEANOUT.
- II. 3" WASTE PIPE DOWN TO BASEMENT.
- 12. 2-1/2" VENT UP FROM BASEMENT.
- I3. I" DOMESTIC WATER SERVICE ENTRANCE. SEE MPE SITE PLAN FOR CONTINUATION.
- 14. ½" HOT WATER UP TO SERVE FIRST FLOOR LAVATORY.
- 15. 3/4" COLD WATER UP TO SERVE FIXTURES ON THE FIRST FLOOR.
- 16. 2" WASTE UP TO DF-1.
- 17. 34" COLD WATER TO HOSE BIBB. PROVIDE ACCESSIBLE SHUTOFF VALVE OR ACCESS PANEL.
- 18. INSTALL I" VERTICAL BACKFLOW PREVENTER MEETING WATER DEPARTMENT REQUIREMENTS IN ACCESSIBLE LOCATION.
- 19. 3" WASTE DOWN FROM FIRST FLOOR FIXTURES.
- 20. DOMESTIC WATER SERVING FIXTURES ON FIRST FLOOR SHALL BE ROUTED HORIZONTALLY IN WALL.
- 21. 3" TRAPPED WASTE UP TO MOP SINK.
- 22. PIPE ROUTING SHOWN FOR CLARIFICATION. CONCEAL ALL PIPING WHERE POSSIBLE IN CLOSET AND ABOVE BATHROOM
- 23. 34" COLD WATER UP FROM BASEMENT.



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OF AUTHORITY NO. CA 02479

OFFICE BUILDING PLUMBING PLAN

ISSUE DATE:

OCTOBER 18, 2019

REVISIONS:

PROJECT NO.: 1902

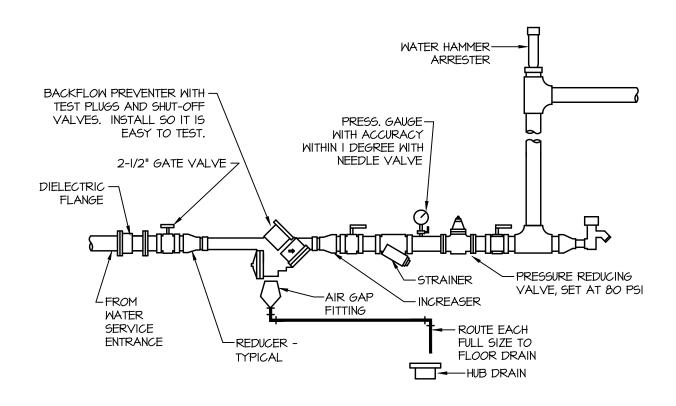
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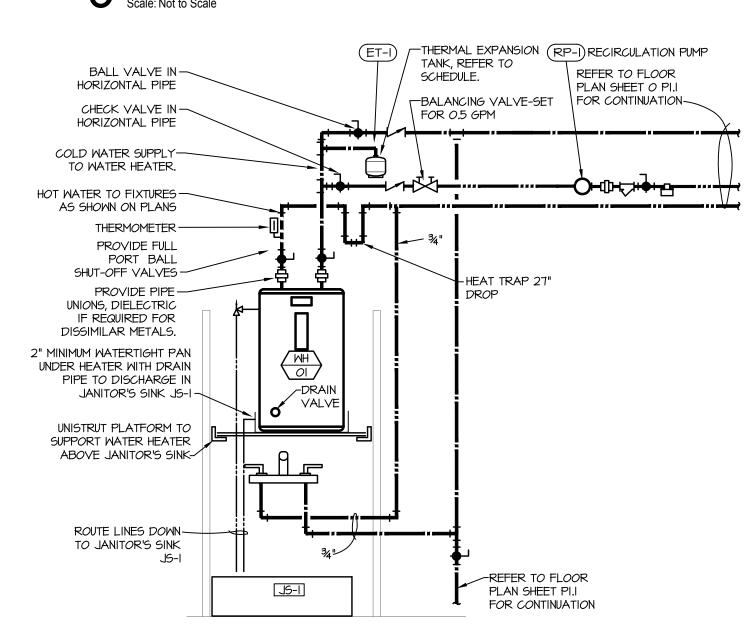
OP1.1

Dishwasher Connection Detail



PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER OF TYPE AND MANUFACTURER AS APPROVED BY LOCAL AUTHORITIES. INSTALL BFP IN HORIZONTAL UPRIGHT POSITION, UNLESS NOTED OTHERWISE. STRAINER AND REDUCING VALVES MAY BE INSTALLED IN VERTICAL PIPE IF SPACE LIMITATIONS REQUIRE. CLEAN STRAINER BEFORE TURNING BUILDING OVER TO OWNER. PROVIDE ANY REQUIRED CERTIFICATION TEST OF BFP TO LOCAL AUTHORITIES. ALL ITEMS SHALL BE APPROVED FOR DOMESTIC WATER SERVICE. ARRANGEMENT SHOWN IS SCHEMATIC. MODIFY TO SUIT CONDITIONS. INSTALL BFP SO IT CAN BE EASILY SERVICED AND TESTED. SUPPORT ASSEMBLY FROM WALL BRACKET OR FLOOR STAND.

3 Domestic Water Service Scale: Not to Scale



2 Electric Water Heater Building Service Room

Scale: Not to Scale

					CON	NECTI	ONS		
MARK	DESCRIPTION	MANUFACTURER	MODEL	TRIM	CW	HW	W	V	NOTE
	ADA FLOOR MOUNTED	AMERICAN STANDARD	2l5BA.l0#	ROUND BOWL					
MC-I	FLUSH TANK			CLOSED FRONT SEAT	1/2"		3"	2"	8
	WATER CLOSET			AND SOLID COVER, I.28 GPF					
	ADA WALL HUNG			WHITE					
L-I	LAVATORY	AMERICAN STANDARD	356.041	MIXING VALVE MV-I			1-1/4"	1-1/2"	1, 2
				FAUCET: F-2					
	DOUBLE BOWL	DAYTON	DSE23319	STAINLESS STEEL					
S-I	20 GAUGE			FAUCET: F-I			2"	I-I/2"	2
	DROP-IN								
	ADA SINGLE HANDLE	149 1115		I.O GPM AERATOR, SINGLE HOLE	,				
F-I	HIGH ARC PULL DOWN	KRAUS	KPF-2620	PULLDOWN SPRAY, CHROME FINISH	1/2"	1/2"			2, 8
	KITCHEN FAUCET			CUP STRAINER DRAIN			ļ		
	ADA SINGLE HANDLE	14 2111 722		0.5 GPM AERATOR					
F-2	LAVATORY	KOHLER	K-97282-4	SINGLE LEVER	1/2"	1/2"			2,8
	FAUCET	110.005.000	110000	POLISHED CHROME					
	NON-FREEZE	MOODFORD	MODEL 65	VACUUM BREAKER	1.60				
HB-I	WALL HYDRANT			LOOSE CONTROL KEY	1/2"				6
			F7CT 0.6	WALL CLAMP-WITH HYDRANT BOX			ļ		
DF-I	WALL HUNG BI-LEVEL WATER COOLER	ELKAY	EZSTL8C		1/2"		2"		0.0
	MATER COOLER				1/2		2	- /2"	0,10
	7" ROUND	WADE	IIOOSTD	NICKEL BRONZE STRAINER					
FD-I	FLOOR DRAIN	ZURN	Z-4l5	DEEP SEAL TRAP					4, 9
		SMITH	2005						
	MOLDED STONE	FIAT	MSB-2424	FAUCET F-3					
JS-I	JANITOR'S SINK			S/S BUMPERGUARDS			3"	I-I/2"	
				S/S WALL GUARDS					
	MIXING VALVE	LEONARD	270-LF	0.25-12 GPM FLOW					
MV-I	THERMOSTATIC	SYMMONS		ASSE 1017 CERTIFIED	1/2"	1/2"			4
	POINT-OF-USE	POWERS		LOW FLOW					
		AMTR <i>O</i> L	THERM-X-TROL ST-5	WATER HEATER					
ET-I	EXPANSION TANK					3/4"			
	RECIRCULATION			0,167 HP, 120V					
RP-I	PUMP	TACO	2420	STRAP-ON AQUASTAT					4
				2 GPM, 40' HEAD					
(D)	CARRACE RICEGGAL	INCINIZED A TOD	DADCED E	1/2/ID 1201/					
GD-I	GARBAGE DISPOSAL	INSINKERATOR	BADGER 5	1/3HP, 12 <i>0</i> V					
1									

NOTES:

- PROVIDE TAILPIECE DRAIN CONNECTION ON LAVATORIES OR SINKS WHERE NEEDED FOR HVAC CONDENSATE DRAINS.
- 2. FAUCET HOLES TO MATCH FAUCET SPECIFIED.
- 3. WHERE BOX IS TO BE INSTALLED IN FIRE RATED WALL, CONTRACTOR SHALL SUPPLY FIRE RATED BOXES.

 4. PIPE SIZE AS SHOWN ON DRAWING
- 5. PROVIDE WASHING MACHINE DRAIN PAN UNDERNEATH WASHING MACHINE AT ALL WASHING MACHINE BOX LOCATIONS.
- 6. PROVIDE OPERATING ROD ASSEMBLY PER MANUFACTURER'S RECOMMENDATIONS BASED ON WALL THICKNESS.

 7. PIPE FOR SHOWER HEAD SHALL BE LOCATED AT 6'-8" A.F.F., ABOVE SURROUND
- 8. FIXTURE ASSEMBLY MUST BE APPROVED BY AND INSTALLED PER ADA.
- 9. PROVIDE SURESEAL SSX000V INLINE FLOOR DRAIN TRAP SEAL WITH ASSE 1072 RATING.
- IO. MOUNT WITH HANDICAPPED RECEPTOR RIM 34" ABOVE FLOOR.

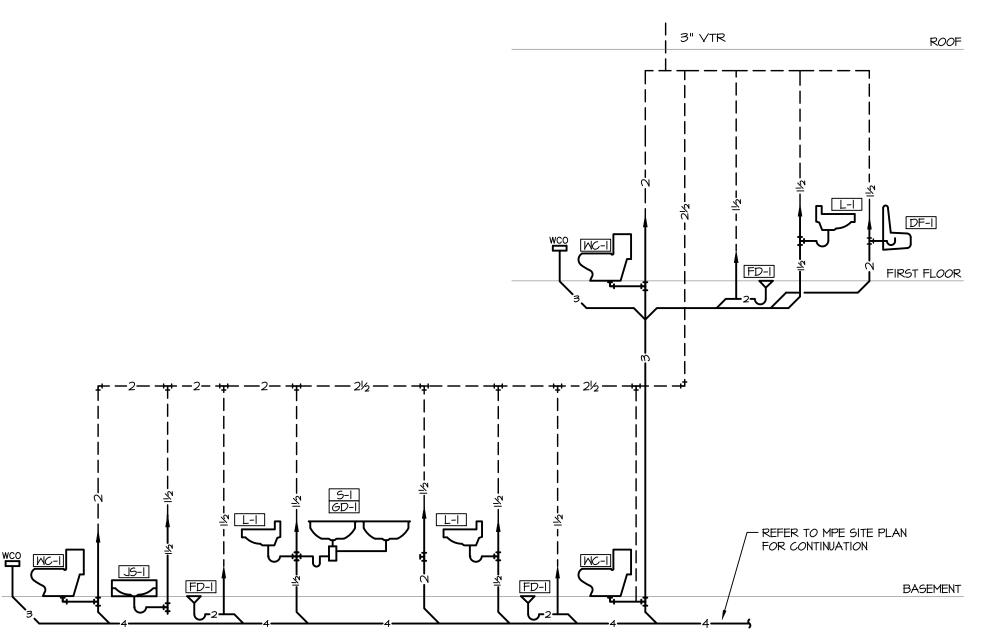
GENERAL NOTES:

- A. PROVIDE INSULATION KIT ON ALL ADA FIXTURES WITH EXPOSED TRAP AND SUPPLIES.
- B. PROVIDE TAILPIECE DRAIN CONNECTION ON LAVATORIES OR SINKS WHERE NEEDED FOR HVAC CONDENSATE DRAINS.

WAT	WATER HEATER SCHEDULE													
			CAPACITY	INPUT	OUTPUT	RECOVERY								
MARK	MANUFACTURER	MODEL	(GAL)	(kW)	(kW)	(GPH)	V/PH	NOTES						
MH-I	BRADFORD WHITE	RE240L6	38	4.5	-	21.0	208/1	RESIDENCE						

GENERAL NOTES (APPLIES TO ALL ABOVE): A. PROVIDE ASME PRESSURE AND TEMPERATURE RELIEF VALVE.

- B. PROVIDE DIELECTRIC CONNECTIONS AT WATER HEATER.
- RECOVERY BASED ON 90 DEGREE TEMPERATURE RISE.



1 Plumbing Riser Diagram - Waste & Vent





ARCHITECTURAL CORPORATION
OKLAHOMA CERTIFICATE
OF AUTHORITY NO. CA 02479

bek kiluge cui i Ages 18, township 18, range 15 X, wagoner county, oklahom

COMMUNITY
BUILDING PLUMBING
SCHEDULES &

ISSUE DATE:

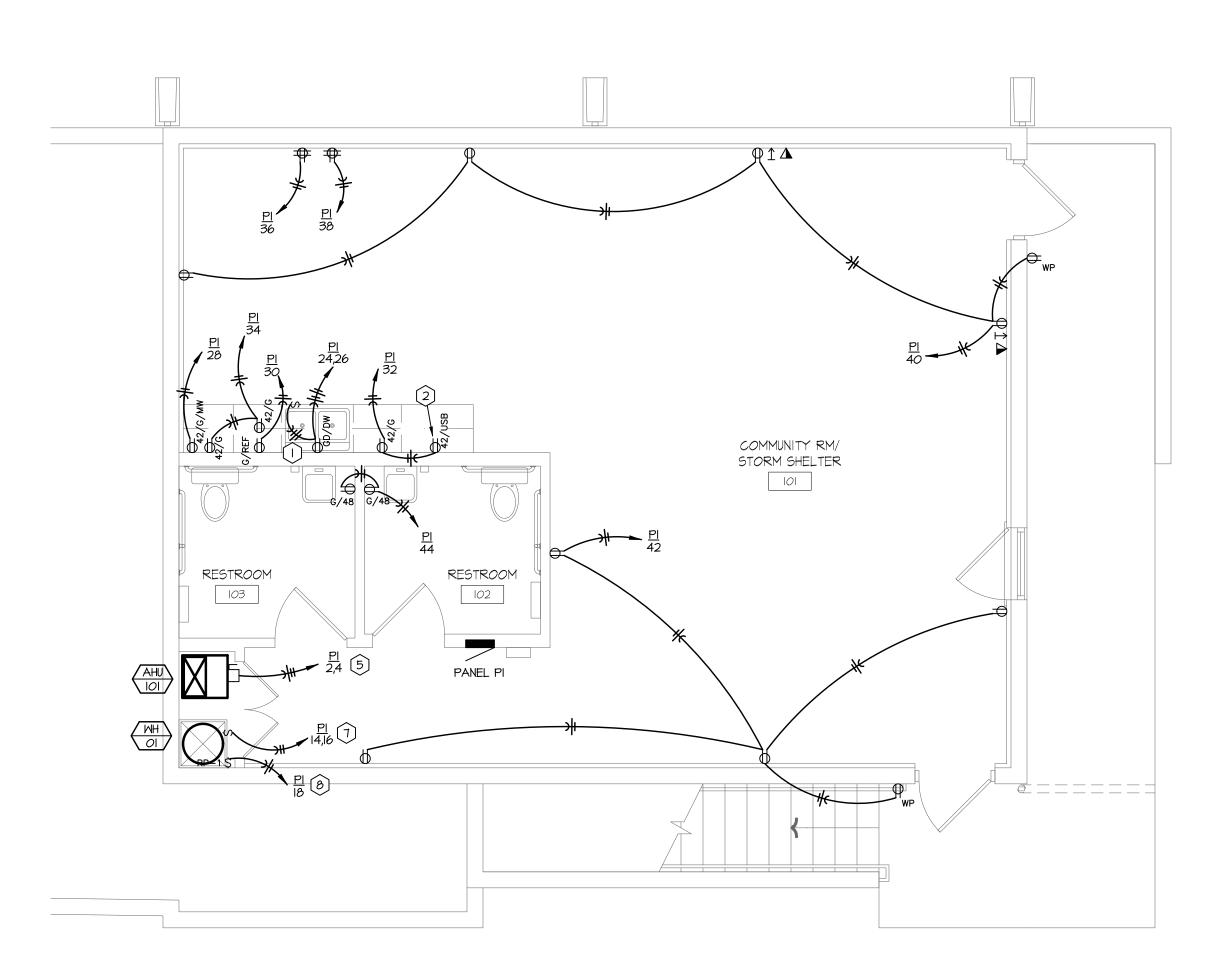
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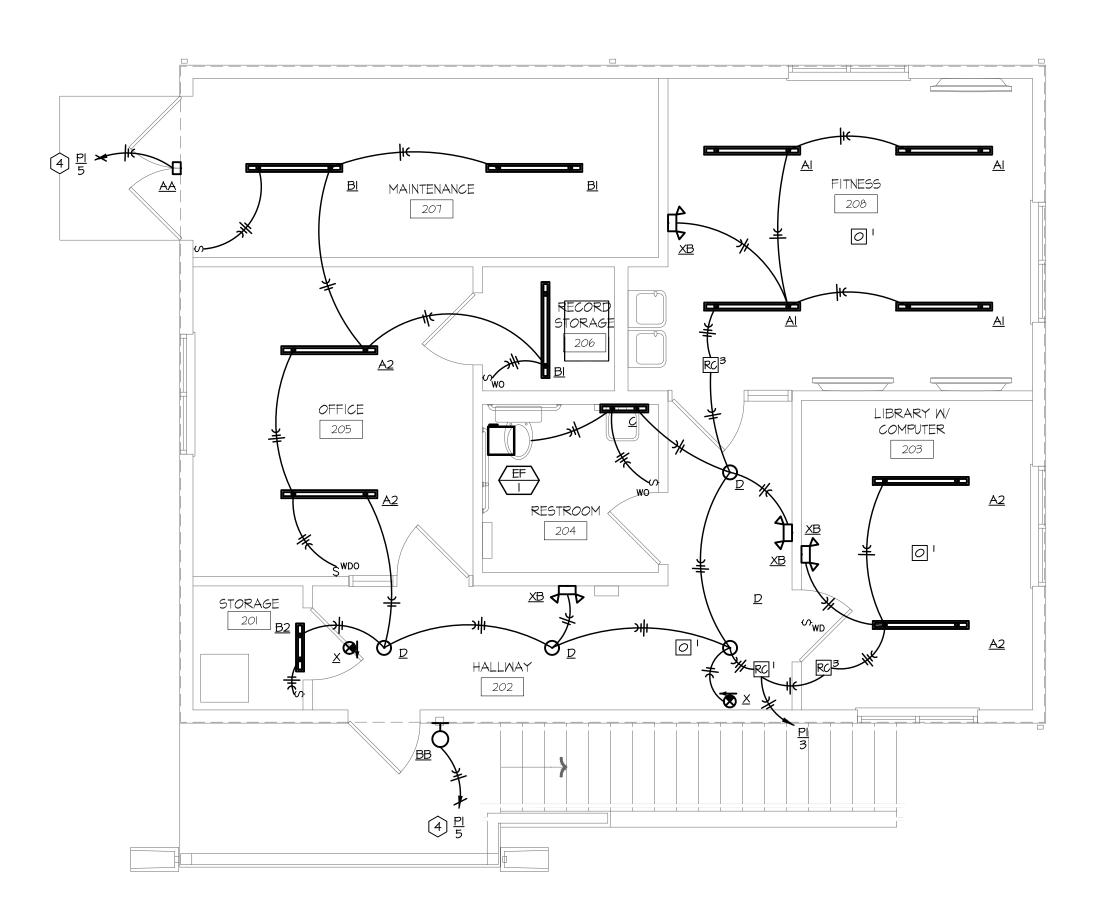
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PROJECT NO.: 1902

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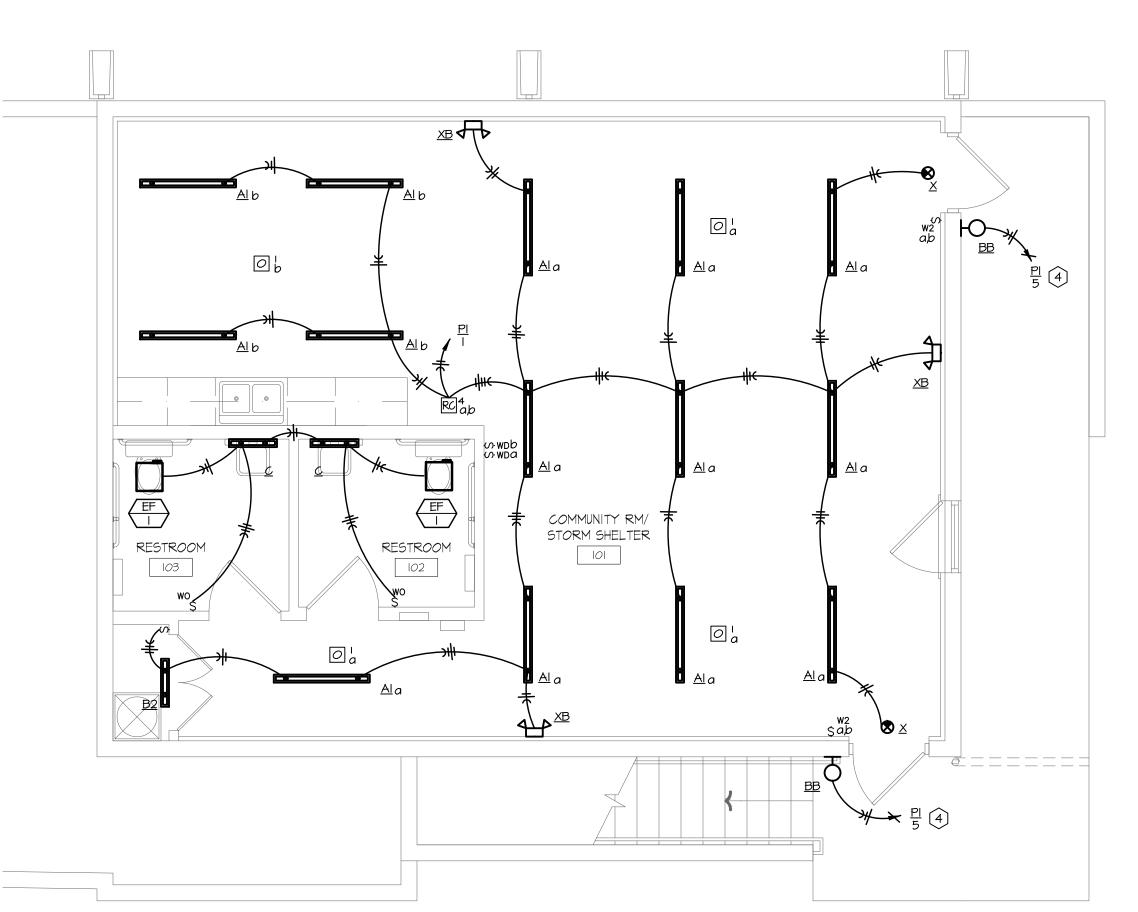


OFFICE BUILDING BASEMENT POWER PLAN
SCALE: 1/4" = 1'-0"



5

OFFICE BUILDING LIGHTING 1ST FLOOR PLAN
SCALE: 1/4" = 1'-0"



OFFICE BUILDING BASEMENT LIGHTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
- B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS. C. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH CONTRACTOR PROVIDED SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE SUBMITTALS AND ELECTRICAL
- D. CONTRACTOR SHALL OFFSET OUTLET BOXES ON OPPOSITE SIDES OF A COMMON WALL TO PREVENT SOUND TRANSMISSION BETWEEN ADJOINING ROOMS. BOXES SHALL BE A MINIMUM OF 12" APART, AND MUST BE INSTALLED IN SEPARATE STUD
- E. ALL LOW VOLTAGE WIRES NOT ROUTED IN CONDUIT SHALL BE PROVIDED AS PLENUM RATED CABLES.
- F. PROVIDE JUNCTION BOXES AND 3/4" CONDUIT WITH PULL-STRINGS UP TO ACCESSIBLE LOCATION IN PLENUM AT ALL VOICE AND DATA OUTLET LOCATIONS.
- G. WHERE BOXES ARE INSTALLED IN CONCRETE BLOCK WALLS, THE BOX MOUNTING HEIGHT SHALL BE AT THE BLOCK JOINT AND THE DEVICES SHALL BE PROVIDED WITH A JUMBO COVERPLATE.
- H. ALL WIRES RUN BELOW GRADE, IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE WET LOCATION LISTED.
- I. ALL ELECTRICAL BRANCH CIRCUITS SERVING OUTLETS AND BED ROOMS, DINING ROOMS, KITCHENS, LIBRARIES, RECREATION ROOMS, CLOSETS, FAMILY ROOMS, LIVING ROOMS, SUNROOMS, DENS, HALLWAYS, PARLORS, LAUNDRY AREAS, OR SIMILAR ROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.
- J. FURNITURE LAYOUTS ARE FOR REFERENCE ONLY. COORDINATE THE FINAL LOCATION OF ELECTRICAL DEVICES AND OUTLETS WITH ARCHITECT, OWNER AND FINAL FURNITURE PLANS PRIOR TO INSTALLATION.
- K. PROVIDE LOCKING CLIPS ON ALL CIRCUIT BREAKERS SERVING TELECOMMUNICATION EQUIPMENT AND FIRE ALARM CONTROL
- L. [FOR POWER PLANS WITH SMOKE DAMPERS] REFERENCE MECHANICAL SHEETS FOR LOCATION OF SMOKE DAMPERS. PROVIDE 20A/120V POWER TO SMOKE DAMPERS AND INTERLOCK WITH FIRE ALARM RELAY(S). CIRCUIT SHALL ONLY SERVE SMOKE DAMPERS.
- M. [FOR SPECIAL SYSTEM & POWER PLANS WITH SMOKE DAMPERS] REFERENCE MECHANICAL PLANS FOR LOCATION OF SMOKE DAMPERS. PROVIDE 20A/I20V POWER TO SMOKE DAMPERS FROM CIRCUIT ONLY SERVING SMOKE DAMPERS. PROVIDE AND INTERLOCK FIRE ALARM RELAY(S) TO CLOSE SMOKE DAMPERS UPON SMOKE DETECTION.
- N. [FOR SPECIAL SYSTEM PLANS] PROVIDE DUCT SMOKE DETECTORS IN RETURN AND SUPPLY AIR PATHS FOR AIR HANDLING EQUIPMENT 2,000 CFM AND LARGER AND WHERE SHOWN ON PLANS. INTERLOCK WITH AIR HANDLING EQUIPMENT TO SHUT DOWN UNIT UPON SMOKE DETECTION.
- O. COORDINATE THE EXACT LIGHT FIXTURE LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.
- P. PROVIDE SEPARATE NEUTRALS FOR DIMMING CIRCUITS.

***PLAN NOTES:**

- PROVIDE RECEPTACLE BELOW SINK FOR GARBAGE DISPOSAL AND DISHWASHER. PROVIDE SWITCH BELOW COUNTER FOR GARBAGE DISPOSAL. REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. SWITCH TOP HALF OF RECEPTACLE TO CONTROL GARBAGE DISPOSAL.
- 2. CIRCUIT USB RECEPTACLE DOWNSTREAM OF GFCI RECEPTACLE. 3. COORDINATE EXACT LOCATION OF FITNESS EQUIPMENT WITH
- ARCHITECT PRIOR TO INSTALLING EQUIPMENT RECEPTACLES. 4. CIRCUIT THROUGH LIGHTING CONTACTOR. REFERENCE EXTERIOR
- LIGHTING CONTROL DETAIL ON O E4.1 FOR MORE INFORMATION. 5. PROVIDE NEMA I 60A/2P DISCONNECT SWITCH WITH HOMERUN
- (3)#4's & #IOG IN I"C. 6. PROVIDE NEMA 3R 60A/2P DISCONNECT SWITCH WITH HOMERUN
- (2)#8's & #106 IN 3/4"C. 7. PROVIDE HUBBLE 20A/2P TOGGLE DISCONNECT SWITCH WITH
- HOMERUN (2)#12's \$ #126 IN 3/4"C. 8. PROVIDE HUBBLE 20A/IP TOGGLE DISCONNECT SWITCH WITH
- HOMERUN (2)#12's & #126 IN 3/4"C. 9. PROVIDE HOMERUN WITH (2)#10's \$ #106 IN 3/4"C.



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OKLAHOMA CERTIFICATE

OF AUTHORITY NO. CA 02479

OFFICE BUILDING ELECTRICAL PLAN

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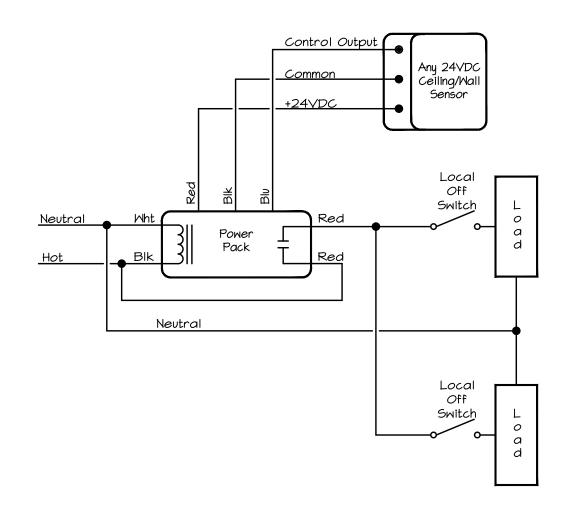
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H&B PROJECT NUMBER : 1920580 © Hoss & Brown Engineers 2019

Exterior Building Mounted

1 Lighting Control Schematic

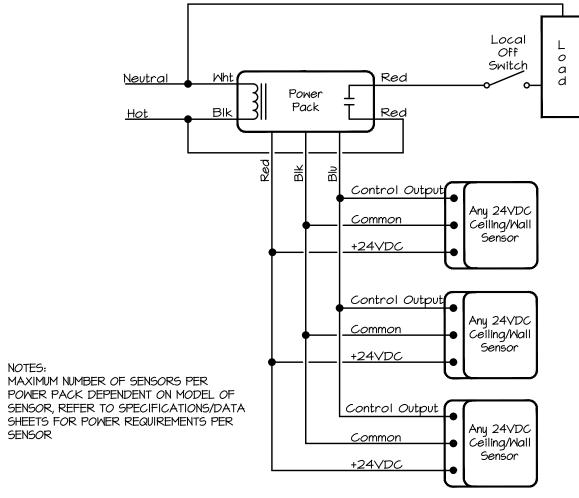
Scale: Not to Scale



Ceiling Mounted Occupancy Sensor

24v Dual Level Switched Wiring Diagram

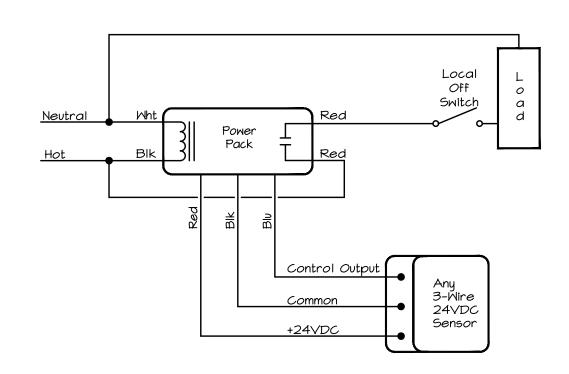
Scale: Not to Scale



Ceiling Mounted Occupancy Sensor

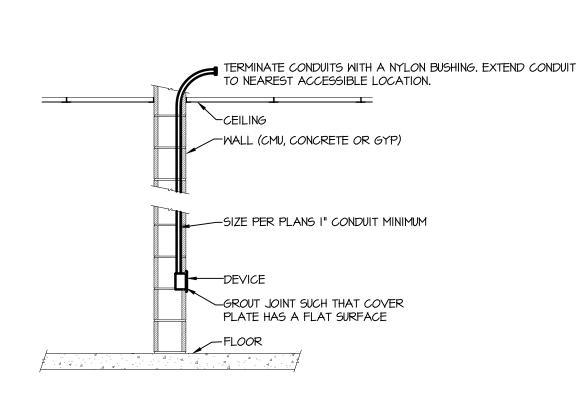
24v Mutiple Sensors Wiring Diagram

Scale: Not to Scale



Ceiling Mounted Occupancy Sensor 24v Wiring Diagram

Scale: Not to Scale



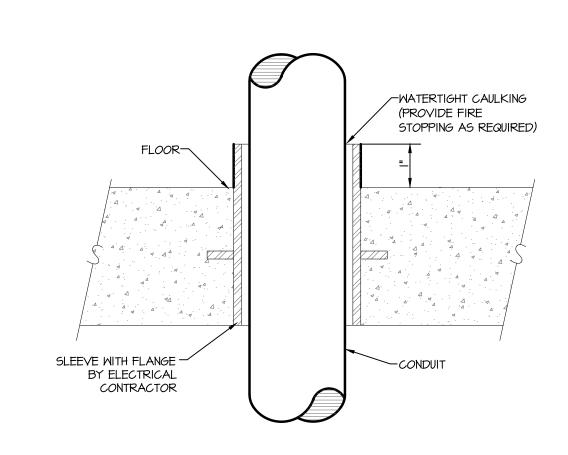
NOTES:

I. DEVICE MOUNTED AT NORMAL RECEPTACLE HEIGHT UNLESS NOTED

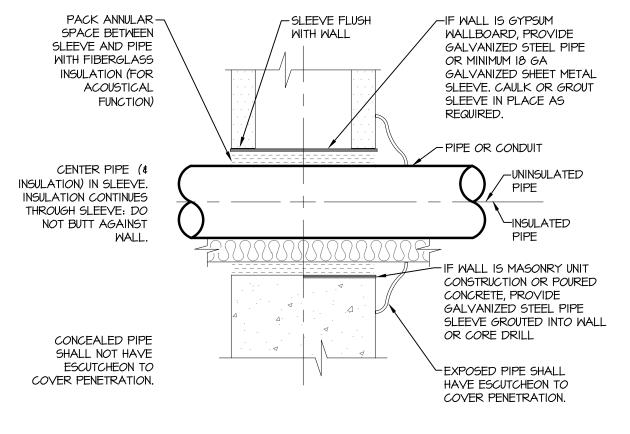
II. DEVICE MOUNTED AT NORMAL RECEPTACLE HEIGHT UNLESS NOTED

II. DEVICE MOUNTED AT NORMAL RECEPTACLE HEIGHT UNLESS NOTED OTHERWISE. REFER TO PLANS FOR MOUNTING HEIGHTS. 2. REFER TO SPECS FOR OTHER INSTALLATION REQUIREMENTS.

05 Data Conduit and Back Box Scale: Not to Scale



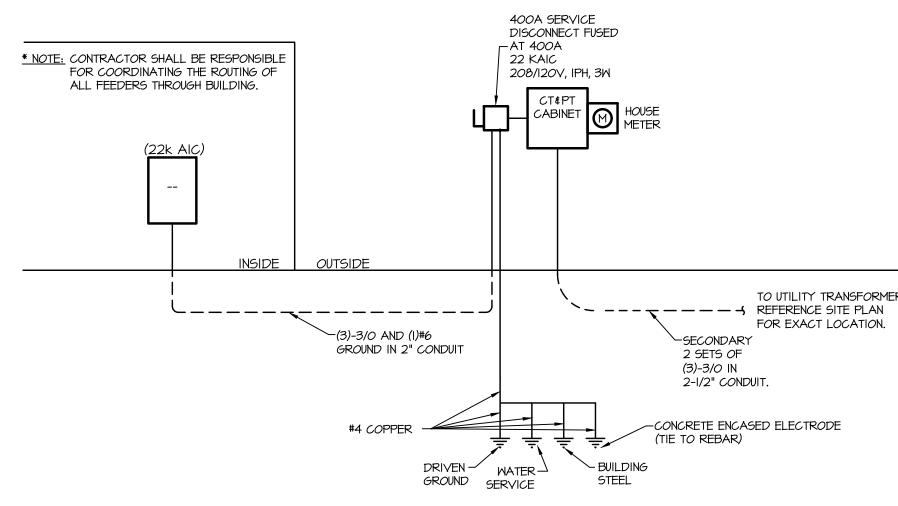
06 Conduit Penetration Through Floor
Scale: Not to Scale



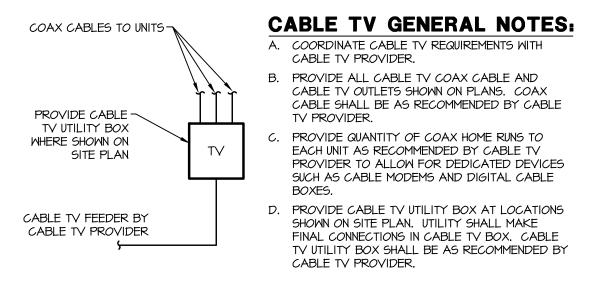
NOTES:

I. REFER TO ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS. REFER TO SPECIFICATIONS FOR ALTERNATIVE INSTALLATIONS. COORDINATE REQUIREMENTS WITH GENERAL

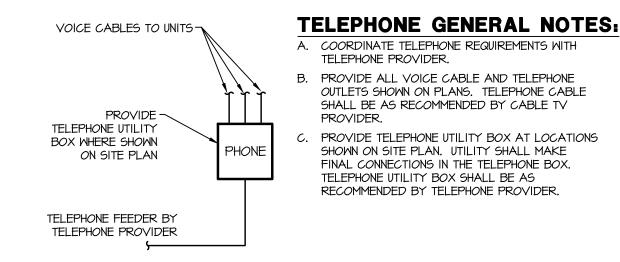
07 Conduit Penetration Through Non-Firewall



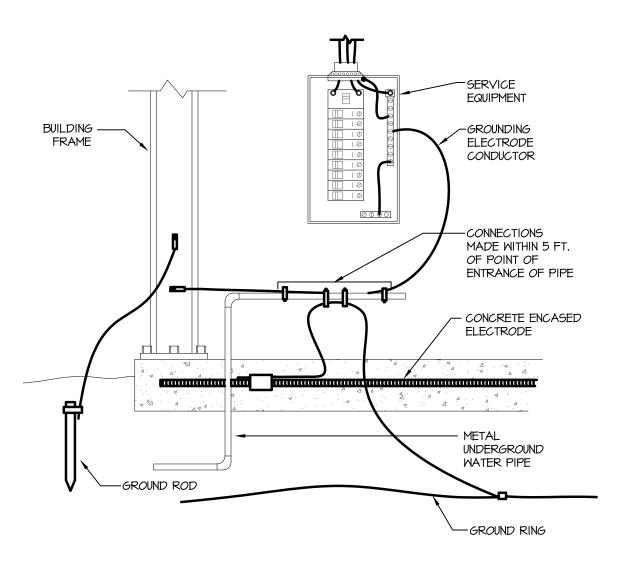
Community Building Electrical Riser Diagram SCALE: NTS



Cable TV Detail & Notes



Telephone Detail & Notes



Grounding Electrode System



ARCHITECTURAL CORPORATION OKLAHOMA CERTIFICATE

OF AUTHORITY NO. CA 02479

TIMBER RIDGE

OFFICE BUILDING ELECTRICAL DETAILS

ISSUE DATE: OCTOBER 18, 2019 **REVISIONS:**

PROJECT NO.: 1902

HOSS & BROWN 11205 West 79th Street Lenexa, Kansas 66214

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P#	NEL	P1								
DESC	RIPTION	400A 100% Neu MCB	tra	Bus			V	OLTAGE: 120/208V, 1PH, 3 W	IRE	
22	kAIC RA	TING .						OTAL CONNECTED LOAD: EMANDED LOAD CONTINUOUS:		
	LOAD	LOAD		AMP		AMP		LOAD	LOAD	
NO	(W)	DESCRIPTION	P	SIZE	PH	SIZE	Р	DESCRIPTION	(W)	NO
-	404	LTS - BASEMENT	T	20	A	20	_	HTG - AHU-IOI	4410	2
3	530	LTS - FIRST FLOOR	T	20	В	1			4410	4
5	IIO	LTS - EXTERIOR	T	20	A	30	2	YR - HP-101	2030	6
7	180	LTS - TIMECLOCK	T	20	В	1			2030	8
9	460	LTS - EXTERIOR POLES	2	20	A	20	2	HTG - EWH-OI	2995	10
Ш	460				В	1			2995	12
13		SPARE	T	20	A	20	2	MISC - WH-OI	2250	14
15		SPARE	T	20	В	1			2250	16
17	900	RCPT - FITNESS GENERAL	T	20	A	20	Τ	MTR - RP-I	540	18
19	1000	MISC - FITNESS EQP I	\prod	20	В	20	Т	SPARE		20
21	1000	MISC - FITNESS EQP 2	П	20	A	20	_	SPARE		22
23	1000	MISC - FITNESS EQP 3		20	В	20		MTR - GD-I	1200	24
25	750	RCPT - FITNESS TVS		20	A	20	_	MISC - DW-I	1500	26
27	250	RCPT - DF-I		20	В	20	_	KTICH - MW	1000	28
29	1180	RCPT - COMPUTER RM		20	A	20	_	RCPT - REF	360	30
31	1180	RCPT - COMPUTER RM		20	В	20	_	RCPT - KITCHEN COUNTER I	360	32
33	1220	RCPT - OFFICE	1	20	A	20		RCPT - KITCHEN COUNTER 2	360	34
35	180	RCPT - OFFICE RESTROOM		20	В	20	_	RCPT - QUAD I	360	36
37	540	RCPT - OFFICE HALLWAY	1	20	A	20		RCPT - QUAD 2	360	38
39	540	RCPT - STORAGE		20	В	20	Ī	RCPT - COMMUNITY NORTH	900	40
41		SPARE	T	20	A	20	Ι	RCPT - COMMUNITY SOUTH	900	42
43		SPARE		20	В	20		RCPT - COMMUNITY RESTROOM	360	44
45		SPARE	1	20	Α	20		SPARE		46
47		SPARE	1	20	В	20		SPARE		48

								ULTRA	TIME DELAY	AMBIENT	MANUAL	AUTO	MAXIMUM		CONTROL
MARK	MANUFACTURER	MODEL	DEVICE	MOUNTING	RELAYS	DIMMING	PIR	SONIC	SETTINGS	LIGHT CONTROL	ON	ON	LOAD	VOLTS NOT	ES NOTES
RCI	WATTSTOPPER	LMRC-101	ROOM CONTROLLER	PLENUM	1	-	-	-	-	-	-	-	20A	120/277	
RC2	WATTSTOPPER	LMRC-102	ROOM CONTROLLER	PLENUM	2	-	-	-	-	-	-	-	20A	120/277	
RC3	WATTSTOPPER	LMRC-211	ROOM CONTROLLER - SINGLE RELAY LV DIMMING	PLENUM	1	0-107	-	-	-	-	-	-	20A	120/277	
RC4	WATTSTOPPER	LMRC-212	ROOM CONTROLLER - DUAL RELAY LV DIMMING	PLENUM	2	0-107	-	-	-	-	-	1	20A	120/277	
RC5	WATTSTOPPER	LMRC-213	ROOM CONTROLLER - TRIPLE RELAY LV DIMMING	PLENUM	3	0-107	-	-	1	-	-	1	20A	120/277	
<i>0</i> 2	WATTSTOPPER	LMUC-100	OCCUPANCY SENSOR - ULTRASONIC	CEILING	-	-	-	YES	15 MINUTES	-	YES	RR/CORR	-	24VDC	
<i>0</i> 2	WATTSTOPPER	LMDC-100	OCCUPANCY SENSOR - DUAL	CEILING	-	-	YES	YES	1	-	YES	RR/CORR	-	24VDC	
MI	WATTSTOPPER	LMSW-101	PERSONAL CONTROL - I BUTTON	WALL	-	-	-	-	-	-	-	1	-	24VDC	
W2	WATTSTOPPER	LMSW-102	PERSONAL CONTROL - 2 BUTTON	WALL	-	-	-	-	-	-	-	1	-	24VDC	
M3	WATTSTOPPER	LMSW-103	PERSONAL CONTROL - 3 BUTTON	WALL	-	-	-	-	-	-	-	1	-	24VDC	
M4	WATTSTOPPER	LMSW-104	PERSONAL CONTROL - 4 BUTTON	WALL	-	-	-	-	-	-	-	1	-	24VDC	
M5	WATTSTOPPER	LMSW-105	PERSONAL CONTROL - 4 BUTTON + PADDLE	WALL	-	YES	-	-	-	-	-	1	-	24VDC	
MD	WATTSTOPPER	LMDM-101	PERSONAL CONTROL - DIMMING	WALL	-	YES	-	-	-	-	-	1	-	24VDC	
MO	WATTSTOPPER	DSW-301	PERSONAL CONTROL - OCC. SENSOR	WALL	1	-	YES	YES	15 MINUTES	-	YES	NO	20A	120/277	
MD0	WATTSTOPPER	DW-311	PERSONAL CONTROL - DIMMING/OCC. SENSOR	WALL	1	YES	YES	YES	15 MINUTES	-	YES	NO	20A	120/277	

1 7 1 6 1 5

I. ARCHITECT SHALL SELECT COLOR FROM MANUFACTURER'S COLOR PALATE DURING THE SUBMITTAL PROCESS.

CONTROL NOTES:

- I. AUTO ON (OCCUPANCY MODE): LOAD TURNS ON AND OFF AUTOMATICALLY BASED ON OCCUPANCY. IF LOAD IS TURNED OFF MANUALLY, LOAD REMAINS OFF UNTIL 5 MINUTES AFTER OCCUPANT DETECTION, IT THEN REVERTS TO AUTO ON MODE.
- 2. MANUAL ON (VACANCY MODE): OCCUPANT MUST MANUALLY PRESS ON/OFF BUTTON TO ENERGIZE THE LOAD. LOAD REMAINS ENERGIZED UNTIL NO MOTION IS DETECTED
- FOR THE SELECTED TIME DELAY. 3. 30 SECOND RE-TRIGGER DELAY - IF SENSOR DETECTS MOTION DURING DELAY SENSOR SHALL RE-ENERGIZE LOAD.
- SENSOR SHALL ENERGIZE LOAD UPON DETECTION OF MOTION. LOAD IS DE-ENERGIZED ONCE SPACE IS VACANT AND THE ADJUSTABLE TIME DELAY ELAPSES. 5. MANUAL OVERRIDE SMITCH SHALL DE-ENERGIZE LOAD DURING OCCUPANCY FOR THE DURATION OF THE SET TIME DELAY. MANUAL ON SMITCH
- SHALL ENERGIZE LOAD FOR THE DURATION OF OCCUPANCY.
- 6. FOR DUAL SWITCH SENSORS DEFAULT IN AUTO-ON TO 50% OPERATION.

GENERAL NOTES (APPLIES TO ALL ABOVE):

- A. PROVIDE POWER PACKS FOR ALL LOW VOLTAGE OCCUPANCY SENSORS.
- PROVIDE POWER PACK TYPE AND QUANTITY RECOMMENED BY MANUFACTURER FOR DEVICES SCHEDULED.
- PROVIDE ALL REQUIRED WIRING FOR A COMPLETE INSTALLATION. REFERENCE MANUFACTURER'S WIRING DIAGRAMS FOR ALL REQUIRED WIRING. DUAL TECHNOLOGY SENSORS OCCUPANCY LOGIC SHALL BE SELECTED FOR DETECTION BY EITHER TECHNOLOGY AND SHOULD ONLY REQUIRE ONE FOR INITIAL
- AND MAINTAINED OCCUPANCY AND RETRIGGER WHEN OPTION IS AVAILABLE.
- F. ALL WALL SWITCHES WITH MORE THAN TWO BUTTONS OR BUTTONS FOR DIMMING SHALL BE ENGRAVED WITH THE SCENE FUNCTION. TEXT SHALL BE SELECTED DURING THE SUBMITTAL PROCESS.
- G. PROVIDE TWO DIGITAL WIRELESS CONFIGURATION TOOLS, WATTSTOPPER MODEL LMCT-100.

LIC	HT FIXTUR	E SCHEDULE
MAF	RK MANUFACTURE	R MODEL

			LAMP DATA	1				TOTAL		
MARK	MANUFACTURER	MODEL	LUMENS	TYPE	COLOR (K)	VOLTS	MOUNTING	WATTS	DESCRIPTION	NOTES
Al	ALCON	12122-4-R28W2800-35K	2800	LED	3500	UN✓	PENDANT	28	DIMMABLE 4' DOMED LINEAR PENDANT	6,9
A2	ALCON	12122-4-R40W4000-35K	4000	LED	3500	UN√	PENDANT	40	DIMMABLE 4' DOMED LINEAR PENDANT	6,9
BI	HE WILLIAMS	75R-4-L30/830-DRV-120	3200	LED	3000	120	SURFACE	23	4' LED STRIP W/ SQUARE LENS	
B2	HE WILLIAMS	75R-2-L15/830-DRV-120	1500	LED	3000	120	SURFACE	12	2' LED STRIP W/ SQUARE LENS	
C	MAC LIGHTING	BRINK WS-77636-30	2445	LED	3000	120	MALL	30	36" VANITY FIXTURE	2,5
D	SIGNIFY	STR830KIO	1000	LED	3000	120	SURFACE	14.2	7" SLIM SURFACE LED	5
X	DUAL-LITE	EVEU-R-W-E-I	-	LED	-	120	SEE PLANS	2	INDOOR LED EXIT SIGN W BATTERY	1,4
XB	DUAL LITE	LZ2-03L	-	LED	-	120	MALL	4	DUAL HEAD LED BUGEYE	
AA	MCGRAW-EDISON	IST-B02-LED-EI-GZW-AP-CWB	4244	LED	4000	120	MALL	42	LED EXTERIOR WALL MOUNT	3,7
BB	KICHLER	ASHLAND BAY 16" 49571WZC	1600	LED 150W EQ.	3000	120	SURFACE	15	16" I LIGHT EXTERIOR WALL SCONCE	5,8,10

NOTES:

- PROVIDE NUMBER OF FACES AND DIRECTIONAL ARROWS TO MATCH WHAT IS SHOWN ON DRAWINGS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION. 3. PROVIDE WITH INTEGRAL BATTERY BACK-UP DRIVER.
- 4. PROVIDE WITH SELF-TESTING / SELF-DIAGNOSTICS.
- 5. VERIFY FINISH WITH ARCHITECT PRIOR TO ORDERING. 6. PROVIDE FIXTURE WITH DIMMABLE DRIVER.
- MOUNT FIXTURE AT 8'-6" AFF TO CENTER OF FIXTURE. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
- 8. MOUNT FIXTURE AT 5'-2" AFF ADJACENT TO DOOR UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECTURAL ELEVATIONS.
- 9. SUSPEND FIXTURE AT 8'-6" AFF.
- IO. PROVIDE EQUIVALENT LED BULD FOR FIXTURE.

GENERAL NOTES:

- A. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION.
- B. REFERENCE PLANS FOR FIXTURES REQUIRING EMERGENCY DRIVERS.
- C. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING ALL FIXTURES. D. MANUFACTURER EQUALS ACCEPTED UPON ENGINEERS APPROVAL.



ARCHITECTURAL CORPORATION OKLAHOMA CERTIFICATE OF AUTHORITY NO. CA 02479

OFFICE BUILDING

ISSUE DATE: OCTOBER 18, 2019 **REVISIONS:**

ELECTRICAL

SCHEDULES

HOSS & BROWN ■ 11205 West 79th Street Lenexa, Kansas 66214 913.362.9090 | mail@h-be.com H&B PROJECT NUMBER : 1920580

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