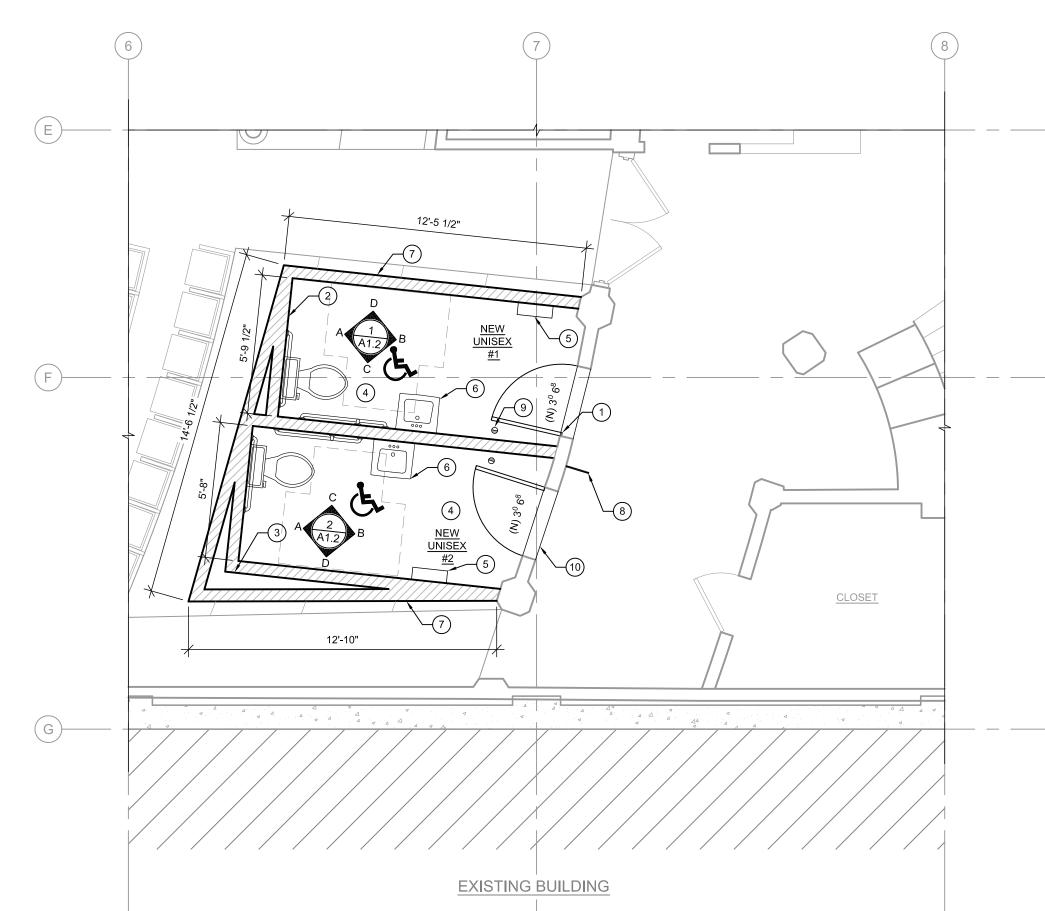


## DEMOLITION PLAN KEYED NOTES 1 G.C. TO REMOVE 27 SEATS, SALVAGE, AND DELIVER TO

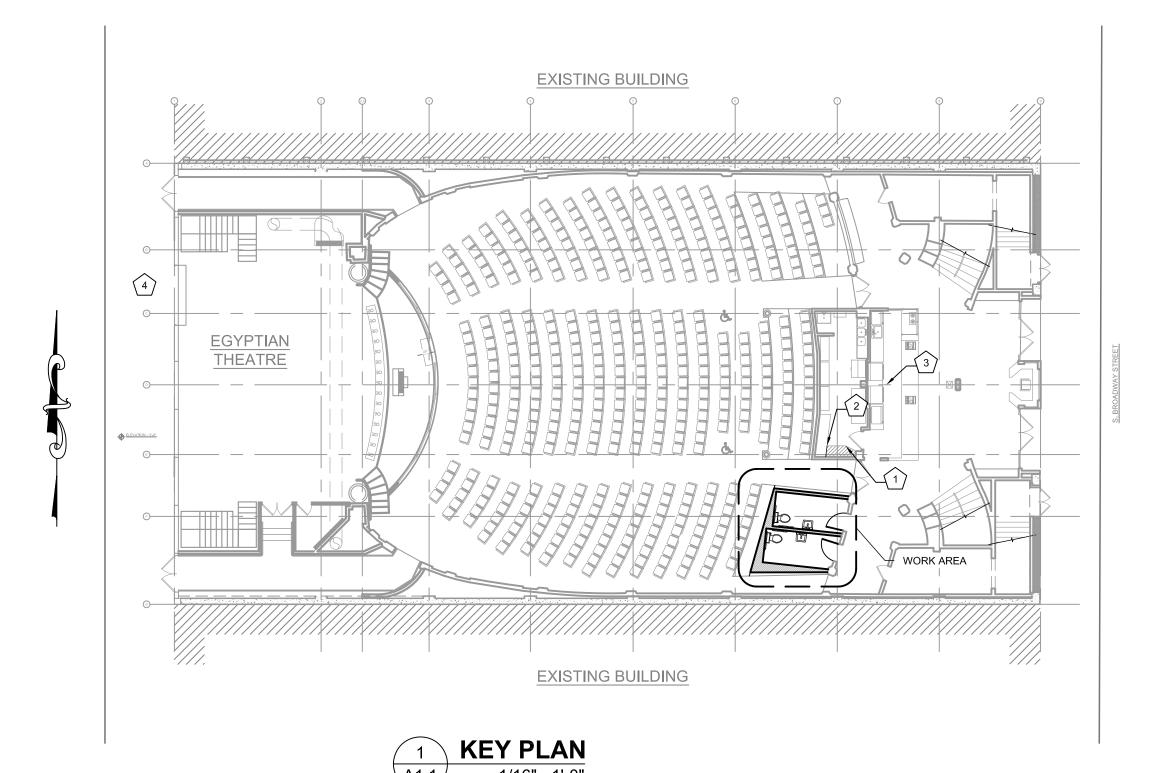
- REMOVE FLOOR FINISHES AS REQUIRED WITHIN LIMITS SHOWN AS REQUIRED DOWN TO CONCRETE BELOW AND PREPARE FOR NEW CONCRETE PLACEMENT OVER. (E) CONCRETE TIERS TO REMAIN. DEMOLITION TO OCCUR NO GREATER THAN 2" OUTSIDE OF NEW CONCRETE PLACEMENT LIMITS TO ALLOW FOR BATTEN TRIM COVERING OF DEMOLISHED FINISHES TO NEW CARPET AT WALLS ABOVE. SEE DETAIL A/S1.1 FOR MORE INFORMATION.
- DEMOLISH WALLS AS REQUIRED FOR NEW DOOR OPENINGS.G.C. TO VERIFY FRAMING ABOVE (BEAM OR BEARING WALL) AND PROVIDE SHORING AS NECESSARY TO INSTALL NEW FRAMING IF REQUIRED. CUT FINISHES TIGHT TO NEW DOOR OPENING SO THAT NEW METAL CASING WILL COVER DEMOLITION LINE AT NEW DOORS WITHOUT SUBSTANTIAL FINISH REPAIR
- SAWCUT AND/OR CHISEL CONCRETE FLOOR AT TRANSITION FROM (E) FLOOR TO (N) FLOOR IN ORDER TO ALLOW PLACEMENT OF MINIMUM OF 3" THICKNESS OF NEW CONCRETE AT MINIMUM SECTION (SEE STRUCTURAL DETAILS FOR MORE INFORMATION)
- FINISHES WILL BE INSTALLED.
- APPROXIMATE TRENCH LINE FOR NEW UTILITIES (BORE UNDER SLAB AT TILE FINISH IN LOBBY) SEE PLUMBING PLANS FOR MORE INFORMATION.



#### RESTROOM PLAN KEYED NOTES

- (N) SOLID WOOD CORE DOOR, SEE INTERIOR ELEVATIONS. PROVIDE WEATHER STRIPPING AT DOOR FOR SOUND TRANSMISSION MITIGATION.
- (N) WALL W/ STAGGERED 2x4 STUDS @ 8" O.C. (2 WALLS AT 16" O.C. SEE STRUCTURAL) WITH DOUBLE LAYER OF 1/2" TYPE X GYPSUM BOARD EACH SIDE AND "FIBERGLAS PINK" OR APPROVED EQUAL ACOUSTIC INSULATION (COMPLETELY FILL CAVITY) TYP. SEE DETAILS AND INTERIOR ELEVATIONS FOR MORE INFORMATION.
- 3 AT DOUBLE WALL LOCATIONS PROVIDE 2x6 @ 16" O.C. SINGLE STUD WALLS WHERE SHOWN W/ FINISHES AS STATED ABOVE ON OUTSIDE FACE ONLY (FILL CAVITY WITH INSULATION AS STATED IN NOTE 2)
- 4 TILE OVER CONCRETE FLOOR, SEE INTERIOR ELEVATIONS.
- 5 COMBINATION TRASH RECEPTACLE/TOWEL DISPENSER. (SEE INTERIOR ELEVATIONS)
- 6) NEW PLUMBING FIXTURE, TYP. SEE PLUMBING PLANS.
- AT EXTERIOR SIDES OF NEW WALLS, PROVIDE RED PATTERNED CARPET TO MATCH (E) OVER ENTIRE WALL. (GLUED) RUN SEAMS VERTICAL ON WALL AND PROVIDE WOOD STAINED BATTEN TO MATCH (E) AT EXTERIOR OF CONCESSION WALL AT ALL SEAMS AND AT BTM. OF WALL. PROVIDE SAMPLE MOCK UP OF BATTEN WITH STAIN FOR APPROVAL PRIOR TO CONSTRUCTION.
- 8 PROVIDE NEW PERPENDICULAR OVERHEAD RESTROOM SIGN AT (E) WALL BETWEEN RESTROOMS AS SHOWN (COORDINATE COLOR WITH OWNER PRIOR TO CONSTRUCTION).
- 9 PROVIDE NEW FLOOR-MOUNTED DOOR STOP WITH RUBBER BUMPER AT APPROXIMATE LOCATIONS SHOWN ON PLAN. (DOOR TO STOP CLEAR OF WALL)
- PROVIDE NEW ALUMINUM TRANSITION (BLACK) AT BTM. OF DOOR AT THRESHOLD. PROVIDE TRANSITION WIDTH SUFFICIENT TO COVER ENTIRE THRESHOLD SO THAT EACH TILE FINISH IS NOT SEEN FROM THE OPPOSITE SIDE OF THE DOOR (MIN. 7").
  - NOTE: G.C. TO PROVIDE ALL ADA SIGNAGE AS REQUIRED BY CODE INCLUDING BUT NOT LIMITED TO: ADA WALL PLACARD WITH BRAILLE INDENTIFICATION, GEOMETRIC DOOR SIGN, AND DOOR HARDWARE WITH OCCUPANCY INDICATOR (COORDINATE COLOR WITH OWNER PRIOR TO CONSTRUCTION).







#### CODE REVIEW NARRATIVE:

THE SCOPE OF THIS PROJECT INCLUDES VOLUNTARY UPGRADES IN ORDER TO REMOVE ARCHITECTURAL BARRIERS AND INCREASE ADA ACCESSIBILITY. THE OWNER IS VOLUNTARILY PROVIDING ADA ACCESSIBLE RESTROOMS ON THE GROUND FLOOR WHERE NONE EXISTED BEFORE. BECAUSE ALL UPGRADES ARE VOLUNTARY AND CONSIST OF ADA IMPROVEMENTS, NO FURTHER CODE REVIEW IS REQUIRED BEYOND CODE COMPLIANCE OF ACCESSIBILITY FEATURES IN THE RESTROOMS THEMSELVES.

#### **KEY PLAN NOTES**

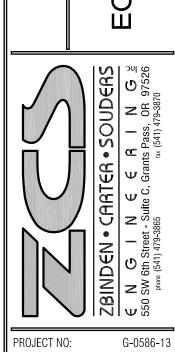
- 1 AT THIS LOCATION G.C. TO REMOVE CABINET BACK TO CORNER AS ILLUSTRATED ON PLAN AND IN ELECTRICAL PLANS AND ELEVATIONS.
- PROVIDE NEW DOORS AND CABINET FACE AT LIMITS OF CABINETRY DEMOLITION. PROVIDE ALL NECESSARY ALTERATIONS TO COUNTERTOP, BACKSPLASH, AND CABINETRY IN ORDER TO MATCH (E) FINISHES AND FUNCTIONALITY. PROVIDE FRP PANEL OR SIMILAR FINISH TO MATCH EXISTING AT LIMITS OF DEMOLITION AT WALL. VERIFY PANEL CLEARANCES WITH ELECTRICAL ENGINEER/ELECTRICIAN PRIOR TO CONSTRUCTION.
- SEE MECHANICAL PLANS FOR LOCATION OF 8" EXHAUST VENT IN CORNER OF PROJECTION ROOM (ABOVE). G.C. TO PROVIDE NEW FRAMED BOX-OUT AROUND VENT AND MATCH ADJACENT FINISHES. (1/2" GYP WITH TAPE, TEXTURE, AND PAINT AT A MINIMUM)
- COORDINATE STAGING AREA AT REAR OF BUILDING WITH OWNER PRIOR TO CONSTRUCTION. ALL ACCESS MUST BE MAINTAINED DURING CONSTRUCTION FOR FIRE AND LIFE-SAFETY REASONS AND FOR DELIVERY ACCESS TO REAR OF ADJACENT BUILDINGS.

## PROJECT NOTES:

#### GENERAL INFORMATION:

- 1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER WHERE DISCREPANCIES OCCUR.
- 2. G.C. SHALL COORDINATE ALL NON-BID ITEMS (INTERIOR FINISH COLORS ETC.) W/ OWNER PRIOR TO CONSTRUCTION IF NOT SPECIFIED IN THESE
- 3. G.C. SHALL PROVIDE ALL APPROPRIATE BACKING, FASTENERS, AND CONCRETE FASTENERS AS REQUIRED FOR BATHROOM ACCESSORIES AND OTHER MISCELLANEOUS ITEMS.
- 4. G.C. TO COORDINATE INSTALLATION OF ALL UTILITIES W/ RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION, TYPICAL.
- 5. VERIFY (E) UTILITY LAYOUT, AND SAWCUT FOR (N) UTILITIES AS
- 6. G.C. SHALL PROVIDE FULLY FURNISHED AND FINISHED RESTROOM FACILITY. G.C. TO COORDINATE WITH OWNER FOR COLOR SELECTION WHERE REQUIRED.
- 7. G.C. TO IDENTIFY AND REMEDIATE HAZARDOUS MATERIALS.
- 8. SEE ADDITIONAL NOTES ON PLAN SET FOR FURTHER INFORMATION.
- 9. G.C. TO PROVIDE MATERIAL SUBMITTALS FOR ALL FINISHES PRIOR TO START OF CONSTRUCTION. FOR ALL FINISHES THAT REQUIRE FIELD PAINTING, STAINING, OR OTHER MODIFICATION OF INSTALLED FEATURES, G.C. TO SUBMIT MOCK-UP OF FINAL PRODUCT PRIOR TO FINAL APPROVAL AND INSTALLATION.
- 10. SAMPLES SHALL BE SUBMITTED IN A TIMELY MANNER IN ORDER TO ALLOW OWNER ADEQUATE TIME FOR REVIEW AND APPROVAL. G.C. TO ALLOW A MINIMUM OF 1 WEEK FOR REVIEW AFTER SUBMITTAL.

SPECIAL NOTE:
G.C. TO TAKE ALL NECESSARY STEPS/PRECAUTIONS IN ORDER
TO PROTECT ALL FEATURES OF EXISTING BUILDING THAT ARE
TO REMAIN IN AREAS OF CONSTRUCTION AND ALL FEATURES IN
OTHER AREAS. PROTECT ALL FEATURES FROM DAMAGE DUE
TO MATERIALS STORAGE AND HANDLING AS WELL AS ACCESS.



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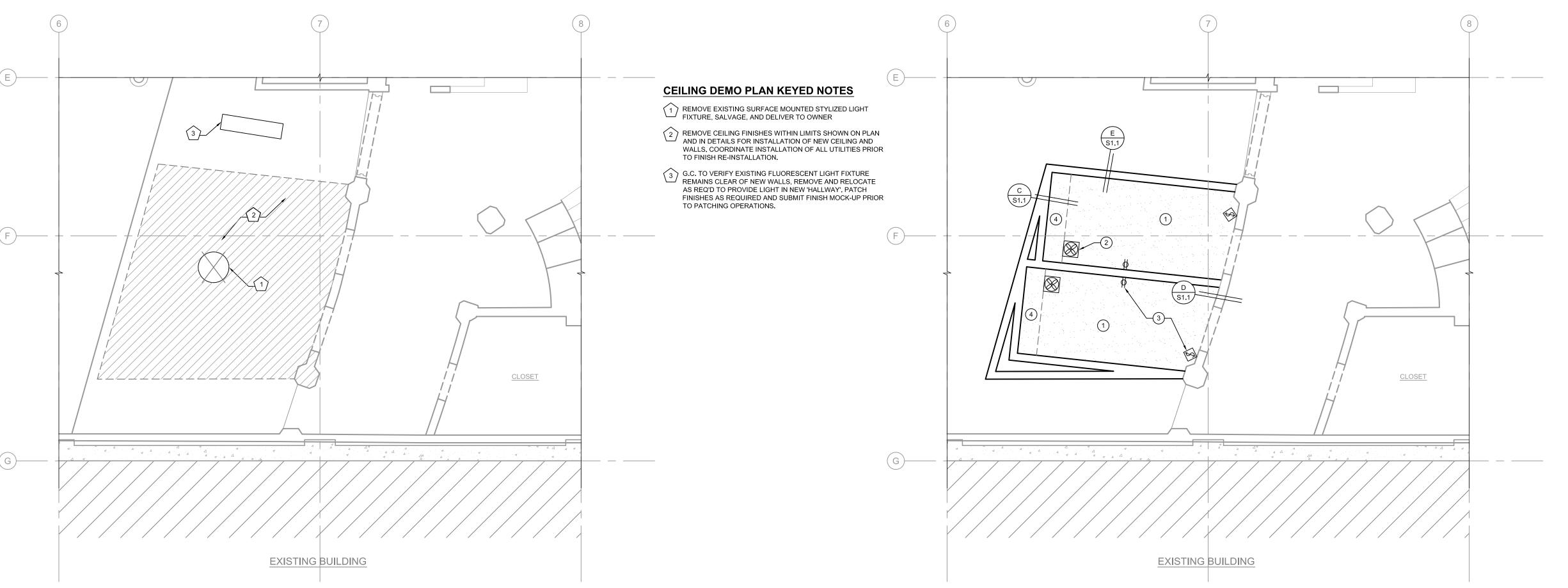
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RESTROOM PLANS

A1 1



**CEILING DEMOLITION PLAN** 

A1.1

1 REFLECTED CEILING PLAN
1/4"= 1'-0"



- DOUBLE LAYER OF 1/2" TYPE X GYPSUM BOARD CEILING, TEXTURED TO MATCH EXISTING. PLACE SINGLE LAYER OF OWENS-CORNING QUIET-ZONE ACOUSTICAL BATTS OR APPROVED EQUAL ABOVE CEILING
- 2 NEW EXHAUST FAN PER MECHANICAL DRAWINGS (FIELD PREP AND PAINT GRILLE TO MATCH CEILING COLOR 1 COAT PRIMER AND 2 COATS SATIN LATEX PAINT).
- SWITCHING AND POWER PER ELECTRICAL PLANS. PROVIDE WHITE COLOR AT ALL COVERS AND FIXTURES FOR ELECTRICAL.
- SLOPED CEILING SOFFIT, SEE STRUCTURAL DETAILS AND INTERIOR ELEVATIONS FOR MORE INFORMATION.

ZBINDEN • CARTER • SOUDERS

E N G I N E E R I N G E

550 SW 6th Street - Suite C, Grants Pass, OR 97526

plone (541) 479-3866

lax (541) 479-3866

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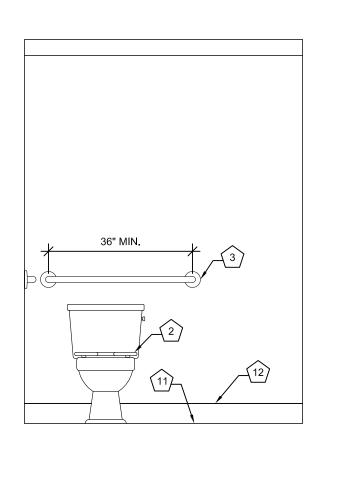
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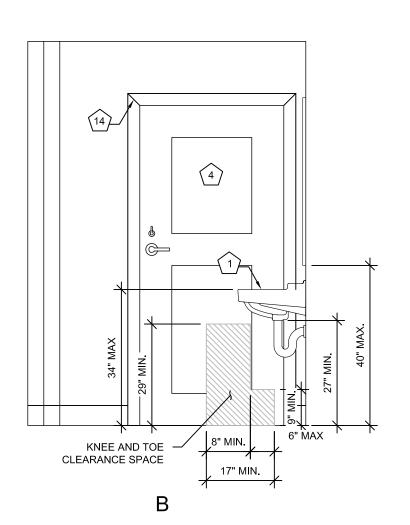
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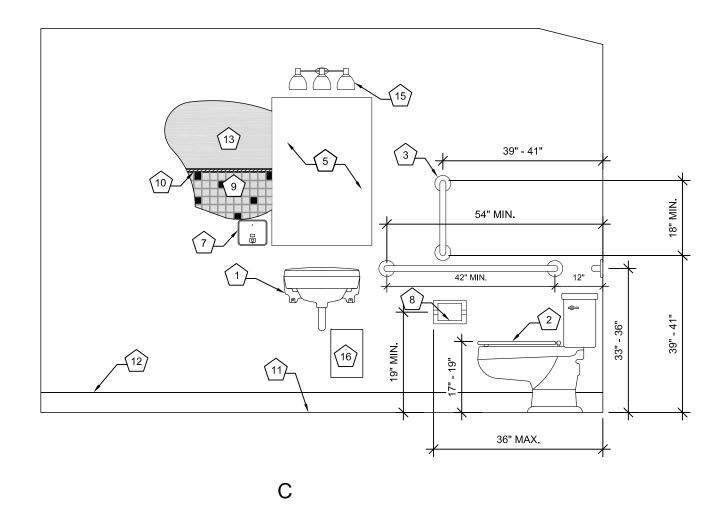
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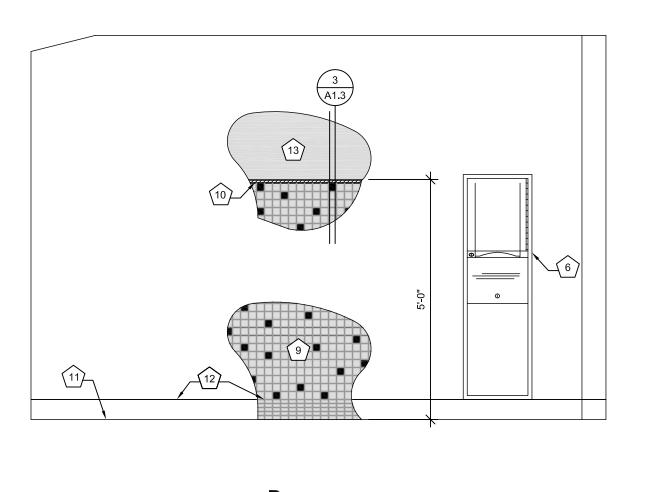
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Δ1 2

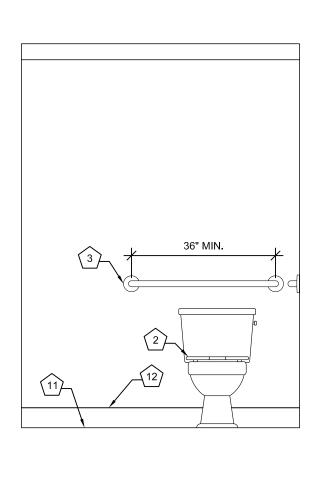


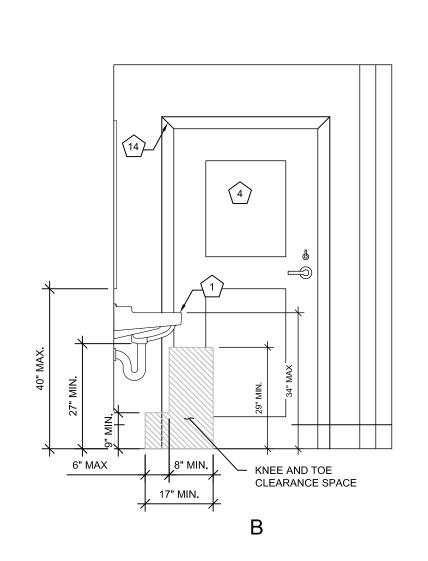


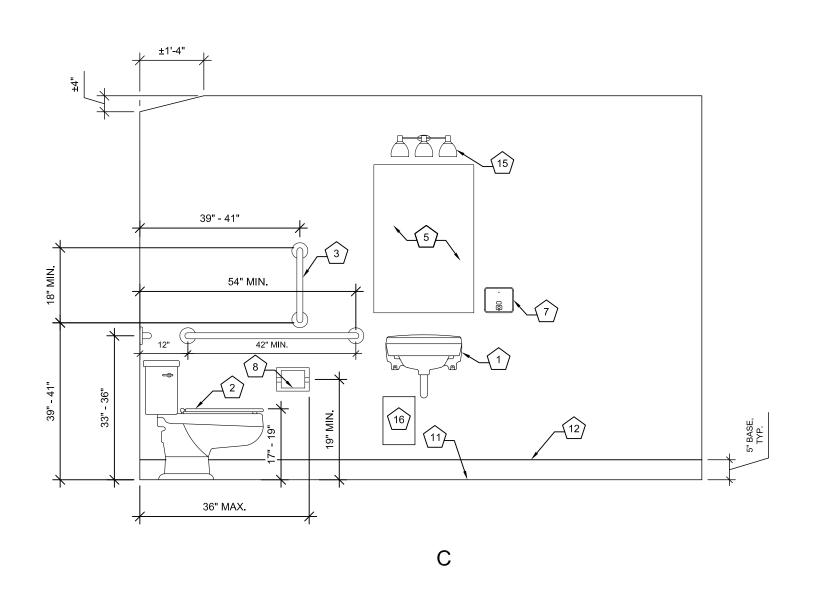


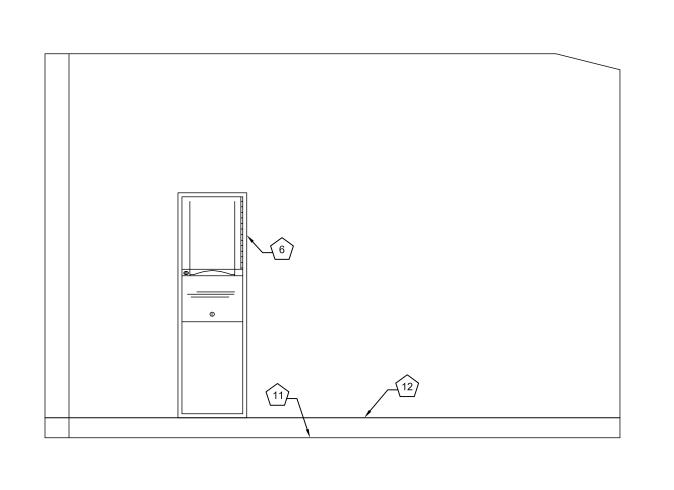






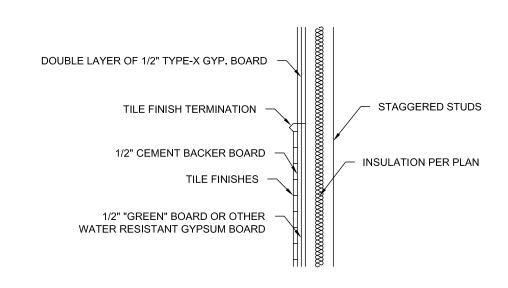






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# UNISEX BATHROOM #2 INTERIOR ELEVATION 1/2"= 1'-0"





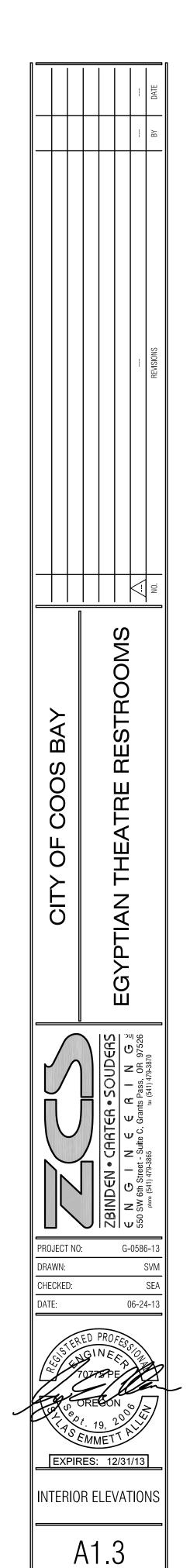
### GENERAL INTERIOR ELEVATION NOTES:

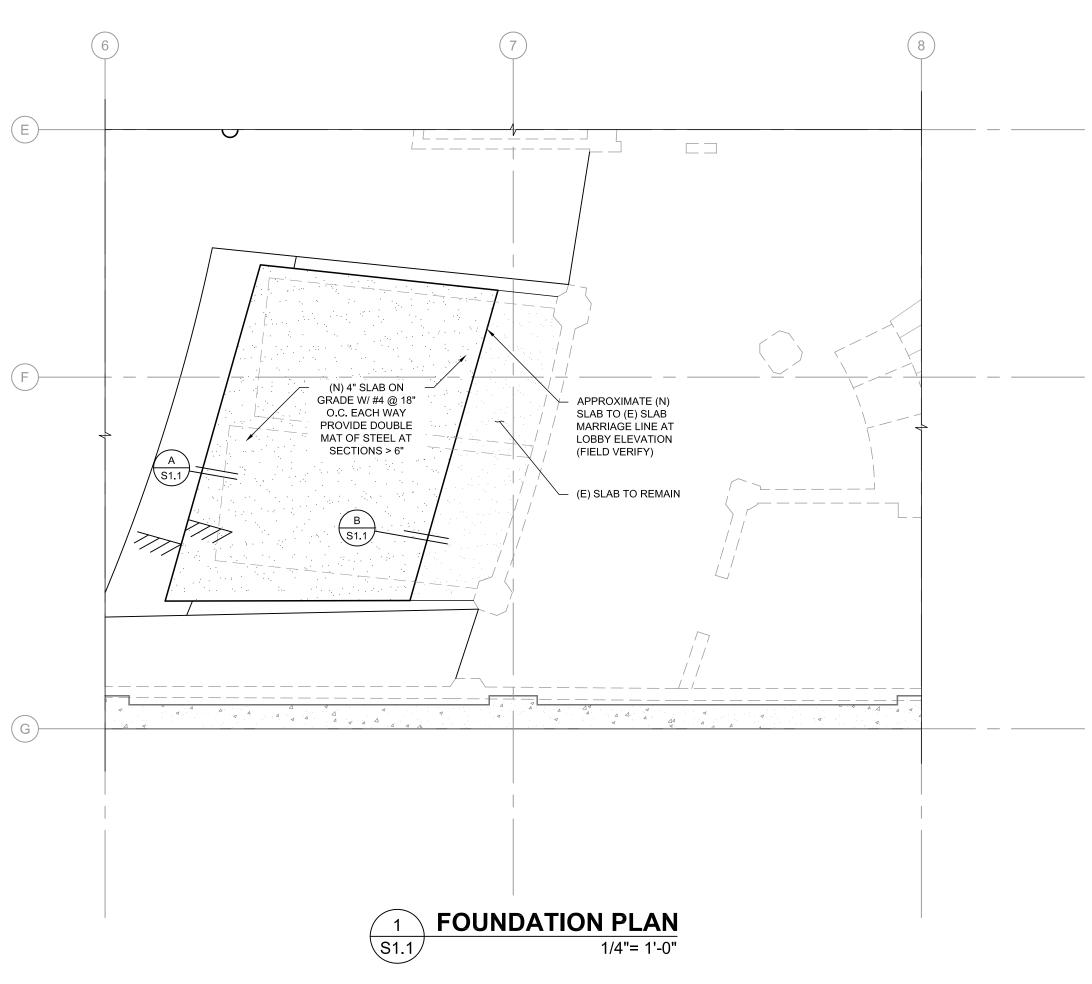
- AMERICAN STANDARD WALL-MOUNT LAVATORY PER PLUMBING PLANS (PROVIDE WHITE INSULATED TRAP AND HOT WATER COVERS, TYP.)
- 2 AMERICAN STANDARD TOILET PER PLUMBING PLANS
- BOBRICK OR APPROVED EQUAL 1-1/2" O.D. STAINLESS STEEL GRAB BARS AS SHOWN WITH NON-SLIP SURFACE AND CONCEALED FLANGE MOUNTING
- JELD-WEN MODEL 0028 2-PANEL DOOR OR APPROVED EQUAL SOLID WOOD CORE DOOR PAINT GOLD TO MATCH OTHER LOBBY DOORS. PROVIDE MIN. 20 MINUTE RATED ASSEMBLY. HARDWARE TO BE L-SERIES MORTISE LOCK AS MANUFACTURED BY SCHLAGE LOCKS, WITH LEVER HANDLE AND EZ TURN TOGGLE BOLT WITH BRONZE FINISH TO MATCH (E) HARDWARE. PROVIDE OCCUPANCY INDICATOR. PROVIDE METAL DOOR FRAME (BLACK FACTORY FINISH) WITH METAL CASING ON RESTROOM SIDE (SEE NOTE 14 FOR FINISH) AND METAL CASING (BLACK FACTORY FINISH) ON LOBBY SIDE. LAP CASING OVER FINISHES AT EACH SIDE AND FIELD VERIFY WALL WIDTH FOR FRAME ORDERING. MANUFACTURER TO BE CECO DOORS OR APPROVED
- 5 TEMPERED GLASS FRAME-LESS MIRROR (DELETE TILE AS REQUIRED TO INSTALL MIRRORS AND SET TIGHT INTO TILE CAVITY AT WALL)
- BOBRICK B-3942 SEMI-RECESSED CONVERTIBLE PAPER TOWEL DISPENSER/WASTE RECEPTACLE OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS, (MUST MEET ALL ADA REQUIREMENTS)
- 7 BOBRICK B-4063 STAINLESS STEEL RECESSED SOAP DISPENSER OR APPROVED EQUAL (PLACEMENT PER ADA STANDARDS)
- 8 BOBRICK B-663 STAINLESS STEEL RECESSED TOILET TISSUE DISPENSER OR APPROVED EQUAL

- 9 TILE WAINSCOT WALL FINISH FIELD TILE IS AMERICAN OLEAN UNGLAZED CERAMIC MOSAICS 2"x2" (CAPPUCCINO A78) ACCENT TILE IS DAL-TILE GLAZED 2"x2" (BLACK 6421). PLACE 75% FIELD, 25% ACCENT. (TYP.) RANDOM PATTERN
- TRIM TILE FINISH DAL-TILE 1'x6" ROPE LINER (BLACK GLOSS) (TYP.)
- TILE FLOOR FINISH AMERICAN OLEAN UNGLAZED CERAMIC MOSAICS 2"x2" (CAPPUCCINO A78) (TYP.)
- TILE COVE/TRANSITION AMERICAN OLEAN UNGLAZED CERAMIC MOSAICS 2"x1" (CAPPUCCINO A78) (TYP.)
- TEXTURED AND PAINTED WALL AND CEILING FINISH LIGHT ORANGE PEEL AT WALLS AND CEILINGS. PAINT 1 COAT PRIMER AND 2 FINISH COATS OF SATIN LATEX KELLY MOORE (SPANISH SAND 231) OR APPROVED EQUAL. (TYP.)
- PAINTED CASING FINISH 1COAT PRIMER SUITABLE FOR METAL SUBSTRATE AND 2 FINISH COATS OF SEMI-GLOSS LATEX KELLY MOORE (SPANISH SAND) OR APPROVED EQUAL. (TYP.) (G.C. TO PREP METAL FOR RE-FINISH IN
- LIGHT FIXTURE PER ELECTRICAL PLANS (OIL-RUBBED BRONZE FINISH)
- POINT OF USE WATER HEATER SEE PLUMBING PLANS

  NOTE: ALL SHEET METAL VISIBLE THROUGH SUPPLY AND EXHAUST GRILLS TO BE PAINTED FLAT BLACK

NOTE: TILE BOND COAT TO BE LATICRETE 4237. PROVIDE 1/2" THICK CEMENT BACKER BOARD AT WAINSCOT. PROVIDE REINFORCED CRACK ISOLATION TAPE TO SPAN CONSTRUCTION JOINTS AND OTHER CRACKS AT CONCRETE SLABS. PROVIDE MATTE GROUT SEALER AS RECOMMENDED BY MAN. WITH POLYMER MODIFIED GROUT BY HYDROCEMENT, CUSTOM BUILDING PRODUCTS, OR APPROVED (SUBMIT "TAN" GROUT COLOR SAMPLES FOR APPROVAL PRIOR TO CONSTRUCTION)





#### PROJECT STRUCTURAL NOTES (Coos Bay, Oregon)

#### GENERAL INFORMATION:

- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THESE DRAWINGS INTO THEIR SHOP DRAWINGS AND WORK. NOTES AND DETAILS ON THE STRUCTURAL
- DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS.

  2. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES
- ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE
  CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY SIGNIFICANT DISCREPANCIES FROM
  CONDITIONS SHOWN ON THE DRAWINGS.
- 4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS. RESPONSIBILITY SHALL INCLUDE BUT IS NOT LIMITED TO DEMOLITION AND CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCING, AND SAFETY REQUIRED TO COMPLETE CONSTRUCTION.
- 5. UNLESS OTHERWISE NOTED, MATERIAL AND DESIGN SPECIFICATIONS CITED HEREIN SHALL BE THOSE CONFORMING WITH THE VERSION OF THE APPLICABLE SPECIFICATIONS OR CODE MOST RECENTLY ADOPTED BY THE PERMITTING AUTHORITY.
- 6. ALL FEATURES OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME TYPE AND CHARACTER AS SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER OF RECORD.
- ALL PRODUCTS AND MATERIALS USED BY THE CONTRACTOR SHALL BE APPLIED, PLACED, ERECTED
  OR INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

#### CODE REQUIREMENT:

1. CONFORM TO THE 2010 OREGON STRUCTURAL SPECIALTY CODE (OSSC), BASED ON THE 2009 INTERNATIONAL BUILDING CODE (IBC)

#### DESIGN CRITERIA:

- THE FOLLOWING WORK IS SUBJECT TO SPECIAL INSPECTIONS AS DESCRIBED IN SECTION 1704 OF THE OSSC.
- CAST-IN-PLACE CONCRETE
  2. DESIGN IS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE OSSC.

#### SPECIAL INSPECTION

 SPECIAL INSPECTIONS WILL BE PROVIDED BY THE OWNER BASED ON THE REQUIREMENTS OF THE OSSC. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.

#### DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

#### FRAMING LUMBER:

- ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH AND SHALL BE GRADED UNDER THE MOST RECENTLY ADOPTED RULES OF THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB).
   ALL BEAMS AND JOISTS SHALL BE NO. 2 MINIMUM, UNLESS INDICATED OTHERWISE ON THE PLANS.
- 3. ALL STUDS AND BLOCKING SHALL BE NO. 2.
- 4. ALL LUMBER IN CONTACT WITH CONCRETE OR EXPOSED SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C-2 AND SHALL BEAR THE AWPA QUALITY MARK.

#### NAILING AND FASTENERS:

- NAILING INDICATED ON PLANS AND DETAILS ARE "COMMON" NAILS. MINIMUM FRAMING NAILING SHALL CONFORM TO OSSC TABLE 2304.9.1 SEE DETAILS FOR ADDITIONAL TYPICAL NAILING REQUIREMENTS. SUBSTITUTION OF NAILS OTHER THAN "COMMON" IS NOT PERMITTED WITHOUT PRIOR APPROVAL.
- 2. POWER DRIVEN NAILS OTHER THAN "COMMON" NAILS MAY BE USED IF DATA IS SUBMITTED AND APPROVED PRIOR TO USE.
- 3. JOIST HANGERS, HOLDOWNS AND OTHER FRAMING ACCESSORIES ARE REFERRED TO ON PLANS BY PARTICULAR TYPE AS MANUFACTURED BY SIMPSON COMPANY, SAN LEANDRO, CA. ALL HARDWARE IS TO BE FASTENED PER MANUFACTURER'S SPECIFICATIONS, U.N.O.
- 4. ALL PLATES AND LEDGERS SHALL BE ANCHORED WITH A MINIMUM OF THREE FASTENERS PER

  PLECE

  PL

#### DIVISION 03 - CONCRETE

#### CONCRETE:

1. CONCRETE WORK SHALL CONFORM TO CHAPTER 19 OF THE OSSC. CONCRETE STRENGTHS SHALL BE AS FOLLOWS:

#### 3,500 psi - SLAB ON GRADE

- 2. VERIFY WATER/CEMENT RATIO WITH FLOOR COVERING MANUFACTURER FOR CONCRETE FLOORS WITH MOISTURE SENSITIVE FLOOR COVERINGS, AND VERIFY COORDINATE WITH PROJECT
- SPECIFICATIONS.
   FLY ASH CONFORMING TO ASTM C618 (INCLUDING TABLE 2A) TYPE F, MAY BE USED TO REPLACE UP
  TO 20% OF THE CEMENT CONTENT, PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST
- 4. THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS, ALONG WITH TEST DATA COMPLIANT WITH OSSC SECTION 1905, A MINIMUM OF TWO WEEKS PRIOR TO PLACING CONCRETE. NO WATER MAY BE ADDED TO CONCRETE IN THE FIELD UNLESS SPECIFICALLY APPROVED IN WRITING BY THE CONCRETE SUPPLIER IN CONJUNCTION WITH THE CONCRETE MIX DESIGN.
- 5. A WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494, USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, SHALL BE INCORPORATED IN CONCRETE DESIGN MIXES. A HIGH-RANGE WATER-REDUCING (HRWR) ADMIXTURE CONFORMING TO ASTM C494, TYPE F OR G, MAY BE USED IN CONCRETE MIXES PROVIDING THAT THE SLUMP DOES NOT EXCEED 8". AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260 SHALL BE USED IN CONCRETE MIXES FOR EXTERIOR HORIZONTAL SURFACES EXPOSED TO WEATHER. THE AMOUNT OF ENTRAINED AIR SHALL BE 5% +/- 1% BY VOLUME.

#### CONCRETE CAST IN PLACE:

- 1. CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4" WITHOUT THE USE OF ADMIXTURES AS NOTED. 2. CONCRETE MATERIALS, FORM WORK, MIXING, PLACING AND CURING SHALL CONFORM WITH THE
- CONCRETE MATERIALS, FORM WORK, MIXING, PLACING AND CURING SHALL CONFORM WITH THE SPECIFICATIONS CONTAINED IN THE A.C.I. "MANUAL OF CONCRETE PRACTICE".
- 3. AT AREAS OF DEPRESSIONS FOR SLABS AND BEAMS, PROVIDE MINIMUM THICKNESS OF DEPTH AS
- FOR ADJACENT AREAS, UNLESS NOTED OTHERWISE.

  4. BOND NEW CONCRETE TO EXISTING CONCRETE WITH "WELD-CRETE", AS MANUFACTURED BY LARSON PRODUCTS CORPORATION, OR APPROVED. AS MINIMUM, EXISTING CONCRETE SURFACES SHALL BE ROUGHENED BY CHIPPING TO A MINIMUM 1/4" AMPLITUDE TO EXPOSE COARSE AGGREGATE. PREPARATION AND APPLICATION IS TO BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

#### CONCRETE REINFORCING STEEL:

- 1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 FOR DEFORMED BARS UNLESS OTHERWISE NOTED. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706.
- REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE.

  2. BARS IN SLABS SHALL BE SUPPORTED ON WELL CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, AS SPECIFIED BY THE CRSI MANUAL OF STRANDED PRACTICE, MSP-1. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315. LAP ALL REINFORCING BARS PER THE TYPICAL LAP SPLICE LENGTH SCHEDULE, EXCEPT AS NOTED.

#### TYPICAL LAP SPLICE LENGTH SCHEDULE

#3 = 22 #4 = 29 #5 = 36 #6 = 4

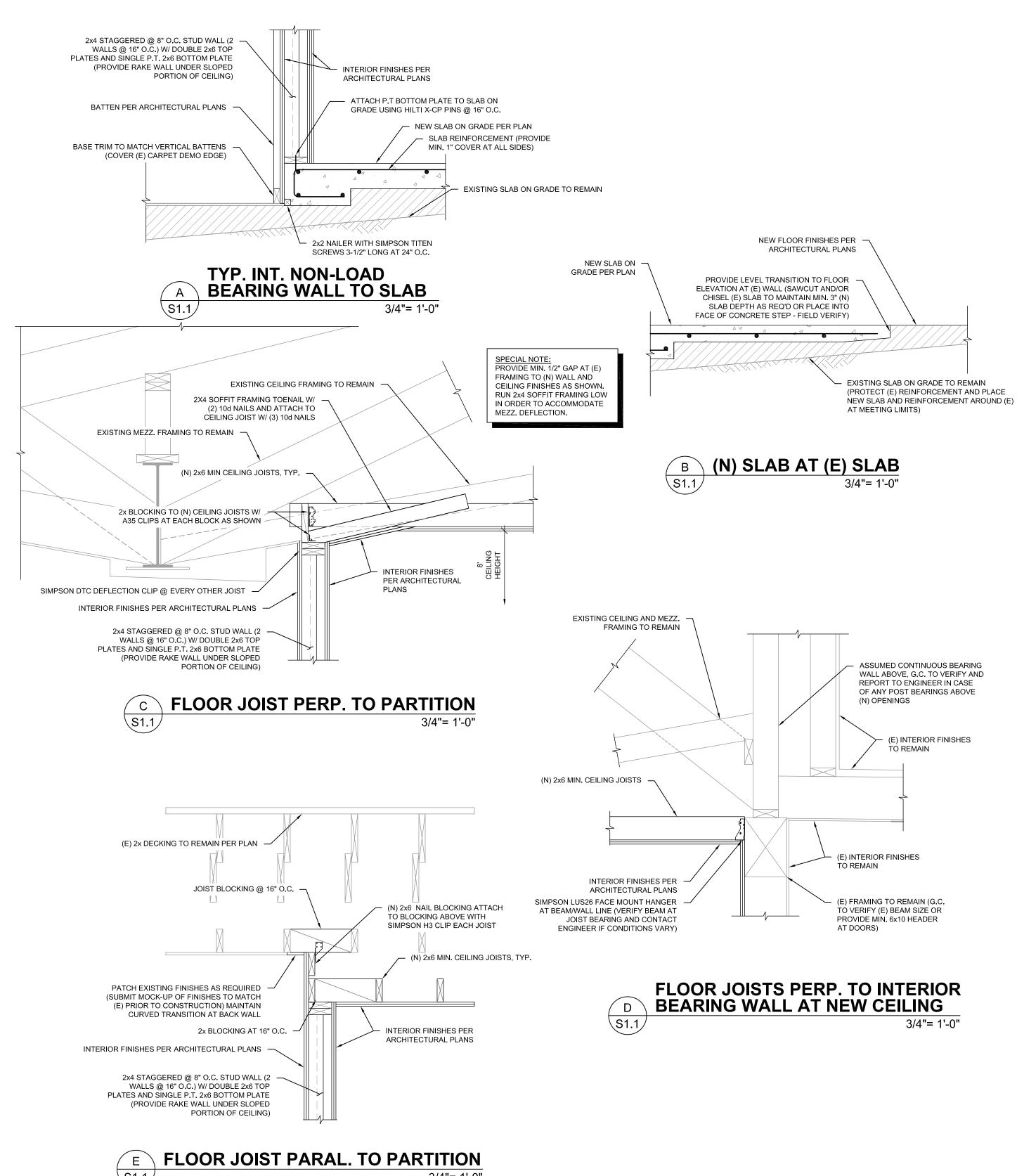
#### NOTES: A. DIMENSIONS ARE IN INCHES.

- B. FOR TOP BARS, MULTIPLY LAP LENGTH ABOVE BY 1.3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.
- MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.

  C. REINFORCING STEEL SHALL HAVE PROTECTION AS FOLLOWS:

#### USE COVE SLAB BARS: 1"

- 3. ALL REINFORCING STEEL SHALL BE TIED 100% ALONG ALL PERIMETER EDGES AND 50%FIELD.
  4. REINFORCING (MINIMUM UNLESS NOTED OTHERWISE ON PLANS)
- A. PLACE TWO (2) NO. 4x OPENING DIMENSIONS PLUS 4'-0" EACH SIDE OF ALL OPENINGS AND TWO (2) NO. 4x4'-0" DIAGONAL BARS AT EACH CORNER OF ALL SLAB OPENINGS GREATER THAN 1'-6" IN DIMENSION.
- 6. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH A.C.I. DETAILING MANUAL 315.
- A. ALL REINFORCING STEEL SHALL BE ACCURATELY AND SECURELY PLACED.B. REINFORCING SHALL NOT BE BENT OR DISPLACED FOR THE CONVENIENCE OF OTHER TRADES,
- UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
  7. REINFORCEMENT BARS SHALL NOT BE TACK WELDED, WELDED, HEATED OR CUT, UNLESS INDICATED ON THE CONTRACT DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.



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STRUCTURAL PLANS

AND DETAILS

PROJECT NO:

DRAWN:

CHECKED: