GENERAL NOTES:

1. ALL DIMENSIONS ARE IN ENGLISH SYSTEM UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS AND MATERIALS FOR CONSTRUCTION OF THIS PROJECT, INCLUDING COMPLIANCE WITH ALL APPLICABLE REGULATIONS.
3. PRIOR TO THE START OF ANY EXCAVATION OR TRENCHING ACTIVITY BOTH ON SITE AND OFFSITE, CONTRACTOR WILL ENGAGE THE SERVICES OF THE GMHA UTILITY LOCATING SERVICES IN ORDER TO ESTABLISH AND MARK THE LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND OBJECTS IN THE VICINITY OF THE WORK AND SECURE THE MANDATORY "DIG PERMIT".
4. AFTER SECURING THE " DIG PERMIT", CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND FEATURES BY HAND EXCAVATION WHERE NECESSARY IN ORDER TO PRECLUDE THE POSSIBILITY OF DAMAGING SUCH FEATURES. ANY DAMAGE TO UNDERGROUND PIPE, POWER CABLES, COMMUNICATION CABLE OR STRUCTURES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. SUCH REPAIR WILL BE CONDUCTED IN A MANNER CONSISTENT WITH RELATED PROVISIONS OF THE CONTRACT.
5. UNLESS OTHERWISE NOTED, EXISTING FEATURES SHOWN ON PLANS OR REFERENCED IN SPECIFICATIONS AS BEING LEFT IN PLACE, SHALL BE PROTECTED DURING CONSTRUCTION BY APPROPRIATE DEVICES AS AGREED BY THE OWNER OR ITS REPRESENTATIVE, THIS INCLUDES BUT IS NOT LIMITED TO TREES, SHRUBS, SIGNAGE, GUARD POSTS AND THE LIKE. SHOULD TEMPORARY REMOVAL BE NECESSARY, THE LOCATION WILL BE CLEARLY NOTED ON DRAWINGS SO AS TO PROVIDE FOR REINSTATEMENT IN THE SAME LOCATION. PLANTS REQUIRED TO BE TEMPORARILY RELOCATED WILL BE PROPERLY PROTECTED AND WATERED DURING THE TIME THEY ARE IN STORAGE.
6. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE OWNER OR ITS REPRESENTATIVE FOR CLARIFICATION AND RESOLUTION PRIOR TO CONSTRUCTION. IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING FURTHER.
7. CONTRACTOR SHALL LIMIT ALL CONSTRUCTION ACTIVITIES TO THE SPECIFIED LIMITS OF WORK.
8. GRADING ACTIVITY SHALL NOT OCCUR UNTIL AUTHORIZED BY OWNER OR ITS REPRESENTATIVE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ACTIVITIES WITH THE OWNER OR ITS REPRESENTATIVE.
10. BACKFILL MATERIAL AND COMPACTION REQUIREMENTS SHALL BE AS STATED IN CONTRACT DOCUMENTS.
11. ALL ROADWAYS AND BUILDINGS WILL BE MAINTAINED AND PROTECTED AS DESCRIBED. DAMAGED AND REMOVED SECTIONS OF ROADWAY WILL BE REPLACED IN KIND, AND AT CONTRACTOR'S EXPENSE IF NOT PART OF THE WORK.
12. DISTURBED AREAS TO BE SEEDED AS DEFINED IN THE SPECIFICATIONS.
13. DISPOSAL OF ALL DEFECTIVE MATERIALS OR SURPLUS TO BE COMPLETED IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND SHALL BE UNDER THE CONTRACTOR'S RESPONSIBILITY.
14. CONTRACTOR SHALL REPORT TO THE OWNER OR ITS REPRESENTATIVE ALL SPILLS AND LEAKS OF OIL OR OTHER HAZARDOUS SUBSTANCES (E.G. OIL, ENGINE COOLANT, CHEMICALS, ETC.) OCCURRING DURING THE PERFORMANCE OF THEIR CONTRACT IMMEDIATELY UPON DISCOVERY REGARDLESS OF THE QUANTITY.
15. CONTRACTOR SHALL PREVENT DEBRIS FROM ENTERING SWALES AND DRAINAGE INLETS. PROVIDE AND MAINTAIN INLET PROTECTION FOR THE DURATION OF THE WORK. CLEAN ALL STRUCTURES AT THE COMPLETION OF THE WORK.
16. CONTRACTOR TO PROVIDE A FULL SET OF AS-BUILT DRAWINGS TO THE OWNER OR ITS REPRESENTATIVE AT THE COMPLETION OF THE PROJECT.
17. CONTRACTOR TO REPORT FINDINGS OF UNDERGROUND STORAGE TANKS AND IMPACT ON THE WORK TO THE ENGINEER AND OWNER OR ITS REPRESENTATIVE.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED CLEARANCE, PERMITS, AND APPROVALS FROM THE BASE AND GUAM ENVIRONMENTAL PROTECTION AGENCY FOR PERFORMING OF THE CONSTRUCTION WORK.
19. ALL SITE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH GMHA STANDARDS.
20. UPON COMPLETION OF THE CONSTRUCTION WORK, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL. ALL DAMAGE CAUSED BY THE CONTRACTOR SHALL BE RESTORED TO PREVIOUS OR BETTER CONDITION, AS ORIGINALLY FOUND.
21. SERVICES PROVIDED BY EXISTING UTILITIES SHOWN TO BE DEMOLISHED AND/OR ABANDONED IN PLACE SHALL BE TEMPORARILY MAINTAINED BY THE SITE CONTRACTOR.
22. ALL DEBRIS GENERATED AS RESULT OF SITE DEMOLITION AND SITE CONSTRUCTION WORK SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR IN ACCORDANCE WITH THE PROJECT WASTE MANAGEMENT PLAN.

GRADING NOTES:

1. WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR WILL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK.
2. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS FOUNDATIONS AND STRUCTURES.
3. ALL EXISTING LANDSCAPE AND UNPAVED AREA WHICH ARE DISTURBED BY CONSTRUCTION OR EARTHWORK AREA SHALL BE HAND RAKED SMOOTH AND RETURNED TO ORIGINAL CONDITION.
4. EARTHWORK FILL SHALL CONFORM TO RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT.
5. SOIL TREATMENT FOR TERMITES IS REQUIRED.

UTILITIES

1. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND MAY NOT INCLUDE ALL UTILITIES WITHIN THE PROJECT SITE. CONTRACTOR TO FIELD VERIFY ALL UTILITY LOCATIONS AND BE RESPONSIBLE FOR ANY DAMAGE INCURRED. CONTRACTOR TO ENSURE THAT DEMOLITION AND OR RELOCATION OF ANY UTILITIES WILL NOT IMPACT UP STREAM OR DOWN STREAM FACILITIES. CONTRACTOR TO CONTACT THE OWNER OR ITS REPRESENTATIVE PRIOR TO ANY SUBSURFACE INVESTIGATION.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL UTILITIES AND SERVICES THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR TO INFORM OWNER OR ITS REPRESENTATIVE OF ANY ANTICIPATED TEMPORARY SERVICE INTERRUPTIONS AND OBTAIN OWNER OR ITS REPRESENTATIVE'S APPROVAL PRIOR TO BEGINNING WORK.
3. ANY UTILITIES THAT TERMINATED AT DEMOLISHED STRUCTURES SHALL BE PERMANENTLY CAPPED AND SEALED.
4. UTILITIES NOT IDENTIFIED FOR DEMOLITION SHALL BE RELOCATED IN ORDER TO MAINTAIN UTILITY SERVICES.
5. ALL EXISTING UTILITY INFORMATION SHOWN ON THE PLANS SHALL BE VERIFIED BY A UTILITY FIELD SUPERVISOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER AND OWNER OR ITS REPRESENTATIVE. UTILITY SURVEY TO IDENTIFY UP STREAM SOURCES AND DOWN STREAM FACILITIES AND TO VERIFY ADEQUATE CAPACITY TO ACCOMMODATE THE PROPOSED CONNECTIONS.
6. CONTRACTOR TO ADJUST UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN-OUTS, UTILITY MANHOLES, INLETS, ETC.) THAT ARE AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
7. THE LOCATION, SIZE DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY. FINAL DESIGN AND LOCATIONS OF UTILITY STUB OUT AT BUILDINGS WILL BE PROVIDED ON THE ARCHITECTURAL DRAWINGS. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE UTILITY CONNECTIONS WITH THE RESPECTIVE COMPANIES PRIOR TO ANY UTILITY CONSTRUCTION.
8. REFER TO ELECTRICAL PLANS FOR SECTION AND DETAILS OF THE UTILITY DUCT BANK.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY GOVERNMENT UTILITY SYSTEM RESULTING FROM CONSTRUCTION OPERATIONS.
10. UPON COMPLETION OF SEWER CONSTRUCTION, CONTRACTOR SHALL MAKE ADVANCE ARRANGEMENTS (3 WORKING DAYS MIN.). THROUGH OWNER OR ITS REPRESENTATIVE'S REPRESENTATIVE, WITH NAVFACMAR UTILITIES WATER/WASTEWATER SUPERINTENDENT FOR FINAL ACCEPTANCE INSPECTION OF THE NEW SEWER SYSTEM.

ABBREVIATIONS:

@	AT
&	AND
AC	ASPHALT CONCRETE
ADD'L	ADDITIONAL
AG	ABOVE GROUND
AGG	AGGREGATE
A/C	AIR CONDITIONER
≈	APPROXIMATE
BC	BEGIN CURVE
CHB	CHORD BEARING
CHD	CHORD DISTANCE
CL	CHAIN LINK
℄	CENTERLINE
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUE
CP	CONTROL POINT
CPP	CONCRETE POWER POLE
CM	CENTIMETER
Ø	DIAMETER
DBL	DOUBLE
DIA	DIAMETER
DN	DOWN
D/W	DRIVEWAY
DWG	DRAWING
E	EAST, EASTING
EF	EACH FACE
(E)	EXISTING
EC	END CURVE
EL, ELEV	ELEVATION
ELECT	ELECTRICAL
EMH	ELECTRICAL MANHOLE
EOP	EDGE OF PAVEMENT
EQ	EQUAL
EW	EACH WAY
' OR FT	FOOT, FEET
FFE	FINISH FLOOR ELEVATION
FFL	FINISH FLOOR LINE
FL	FLOW LINE
FG	FINISH GRADE
FH	FIRE HYDRANT
GRND	GROUND
GV	GATE VALVE
GWA	GUAM WATERWORKS AUTHORITY
HB	HOSE BIBB
HYD	HYDRANT
HORIZ., HOR.	HORIZONTAL
HW/HDWL	HEADWALL
"	INCH
ID	INSIDE DIAMETER/IDENTIFICATION
INV	INVERT
L	LENGTH
LAT.	LATERAL
LF	LINEAR FEET
LP	LIGHT POLE
LPG	LIQUID PETROLEUM GAS
M	METER
MM	MILLIMETER
MH	MANHOLE
MAX	MAXIMUM
MDD	MAXIMUM DRY DENSITY
MIN	MINIMUM
#, NO.	NUMBER
N	NORTH, NORTHING
(N)	NEW
NOM.	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OG	ORIGINAL GROUND
O/H	OVERHEAD
±	PLUS OR MINUS
PCC	PORTLAND CEMENT CONCRETE
PE	PLAIN END
ℓ	PROPERTY LINE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PT	POINT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RET	RETAINING
S	SLOPE
SD	STORM DRAIN
SDO	STORM DRAIN OUTLET
SF	SQUARE FEET/FOOT
SL	SEWER LINE
SMH	SEWER MANHOLE
SS	SANITARY SEWER
SSC	SANITARY SEWER CLEANOUT
SQ.	SQUARE
STA.	STATION/STATIONING
STRUCT'L	STRUCTURAL
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
T&B	TOP AND BOTTOM
TC	TOP OF CURB
TEL	TELEPHONE
THK	THICK
TW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
U/G	UNDERGROUND
VIF	VERIFY IN FIELD
VERT	VERTICAL
W	WATER
W/	WITH
WL	WATER LINE
WM	WATER METER
WMH	WATER MANHOLE
WWF	WELDED WIRE FABRIC
WV	WATER VALVE

LEGEND & SYMBOLS

EXISTING	NEW	DESCRIPTION
		FIRE HYDRANT
Ⓢ	Ⓢ	SEWER MANHOLE
		CATCH BASIN
		TREE
		STRUCTURE TO BE DEMOLISHED
		NEW CONCRETE WALK
		NEW A.C. PAVEMENT
		EARTHEN SWALE
— 180 —		CONTOUR LINE
—W—		WATER UNDERGROUND LINE
		UNIDENTIFIED MAN HOLE (MH)
Ⓔ		ELECTRICAL MAN HOLE (EMH)
Ⓥ		WATER VALVE (WV)
Ⓜ	Ⓜ	WATER METER (WM)
TRN		TRANSFORMER WITH CONCRETE ENCLOSURE
BP		BACKFLOW PREVENTER

EXISTING	NEW	DESCRIPTION
—WL100—	WL100	WATER LINE (NUMBER DENOTES PIPE SIZE)
	FW200	FIRE LINE (NUMBER DENOTES PIPE SIZE)
—SL200—	SL200	SEWER LINE (NUMBER DENOTES PIPE SIZE)
—SD457—	SD457	STORM DRAIN (NUMBER DENOTES PIPE SIZE)
CO		SEWER CLEANOUT
	SC	STORM CLEANOUT
		GATE VALVE
	Ⓜ	SUPPLY WATER METER
		SILT FENCE
		LIMIT OF GRADING
Ⓣ		TELEPHONE MANHOLE (TMH)
GAW		GROUND ACCESS POINT
AC		AIR CONDITION UNIT WITH CONCRETE PAD
		NEW UTIITY LINES
		UNDER SIDEWALK DRAIN
		HEADWALL/ENDWALL

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

AmOrient Engineering

AQUILINO S. CABRIAS, JR.
CERTIFICATE No. 1460
CIVIL
EXP. 04/30/25
GUAM
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT TITLE: MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

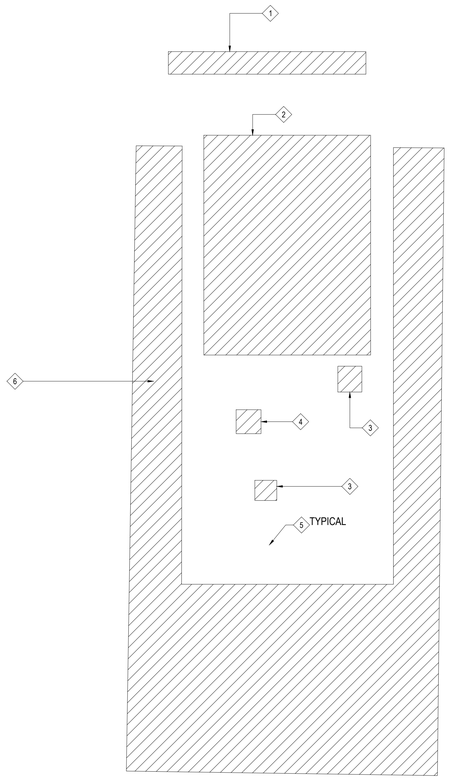
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY

SHEET TITLE: GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS

MARK	DATE	DESCRIPTION

DATE : 2024.10.25
PROJECT NO : 144052
DRAWN BY : ASC
CHECKED BY : ASC
COPYRIGHT :

DWG NO: C001



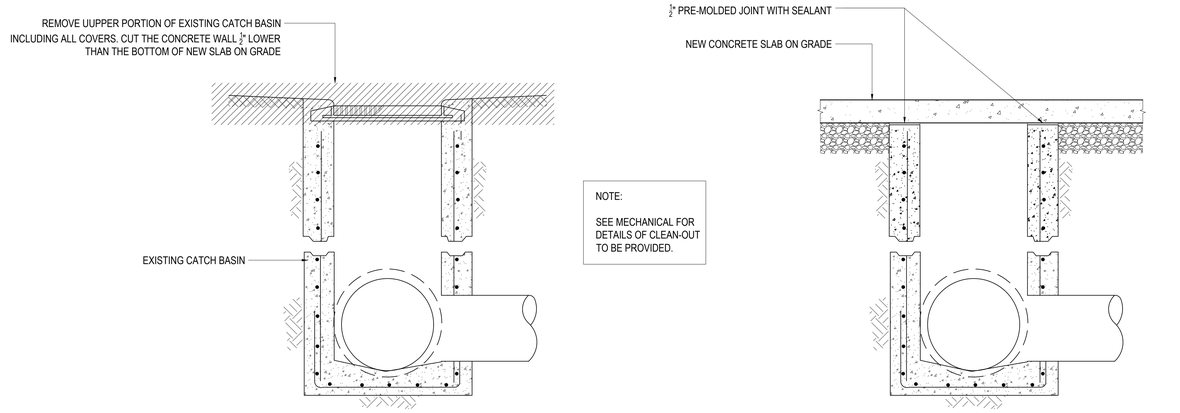
REMOVAL NOTES:

1. REMOVE EXISTING WALL. REFER TO ARCHITECTURAL REMOVAL PLAN FOR COMPLETE REMOVAL PLAN FOR STRUCTURE.
2. DEMOLISH EXISTING STAIRWAY.
3. EXISTING DRAINAGE CATCH BASIN TO BE MODIFIED.
4. EXISTING SEWER MANHOLE TO BE MODIFIED.
5. REMOVE ALL EXISTING TREES AND SHRUBS.
6. REMOVE EXISTING CONCRETE PAVEMENT.

1 / C101 PARTIAL REMOVAL PLAN

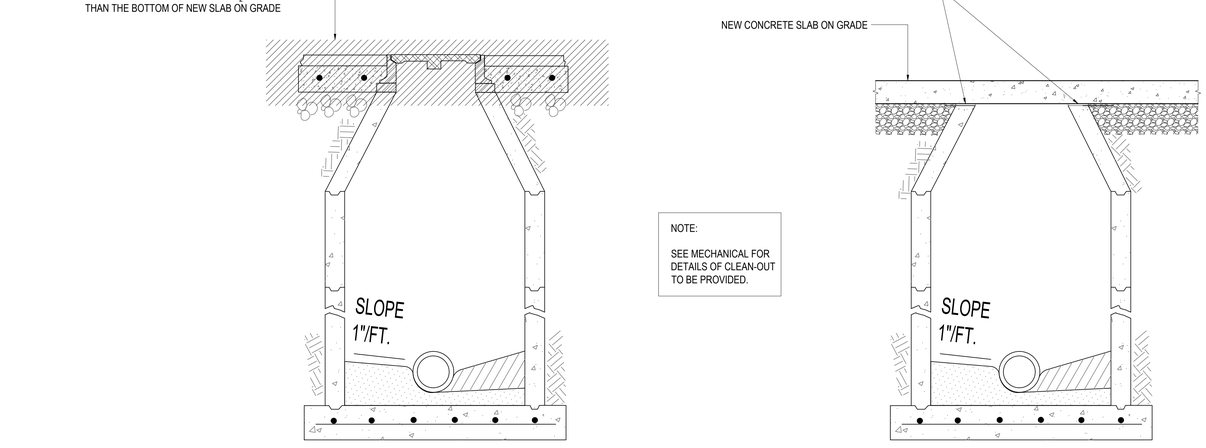
1/8" = 1'-0"

0" 4" 8" 16"



2 / C101 MODIFICATION OF EXISTING DRAINAGE CATCH BASIN

NTS



3 / C101 MODIFICATION OF EXISTING SEWER MANHOLE

NTS

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

AMOrient ENGINEERING

ARNULFO S. CABRIAS JR. — LICENSED PROFESSIONAL ENGINEER — No. 14601 — EXP. 04/30/25 — GUAM

PERMIT SET

MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

PROJECT TITLE:
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY
SHEET TITLE: REMOVAL PLAN
DETAILS OF MODIFIED DRAINAGE AND SEWER MANHOLES

MARK	DATE	DESCRIPTION
DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

DWG NO: C101

GENERAL NOTES:

1. GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS SHALL APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT FOR SIMILAR CONDITIONS.
2. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER OF ANY APPARENT DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK OR DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO ENSURE THE INSTALLATION OF ALL WORK WITHIN THE AVAILABLE SPACE CONFORMS TO CONTRACT REQUIREMENTS.
4. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST APPLICABLE STANDARDS OR SPECIFICATIONS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.
6. DO NOT SCALE DRAWINGS, CALLED-OUT DIMENSIONS AND STANDARD CODE REQUIREMENTS SHALL GOVERN OVER UNSCALED DRAWINGS.

REINFORCED CONCRETE NOTES:

1. ALL CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI AT THE END OF 28 DAYS UNLESS OTHERWISE INDICATED.
2. ALL CONCRETE WORK SHALL CONFORM TO ACI 318-08 AS REFERRED IN THE DESIGN CRITERIA.
3. PIPES OR DUCTS EXCEEDING ONE THIRD OF SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.
4. REINFORCING BARS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE SECURED IN PLACE BEFORE PLACING CONCRETE. BAR PLACEMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE RECOMMENDED ACI PRACTICE.
5. IN GENERAL, THE LATEST EDITION OF "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES", ACI 315, SHALL BE ADHERED TO, UNLESS SHOWN OTHERWISE.
6. ALL INSERTS, ANCHOR BOLTS, PLATES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE HOT-DIPPED GALVANIZED UNLESS OTHERWISE NOTED.
7. USE OF ADMIXTURE IS PERMITTED TO PRODUCE PROPER SLUMP AND WORKABILITY BUT SUBJECT TO ENGINEER'S APPROVAL. ADDITION OF WATER TO CONCRETE AT JOBSITE IS NOT ALLOWED UNLESS SPECIFICALLY AUTHORIZED.
8. 48 HOURS PRIOR TO THE PLACEMENT OF ANY STRUCTURAL CONCRETE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO AN INSPECTION CAN BE MADE ON ALL FORMS, EMBEDS AND REINFORCING BARS.

REINFORCING STEEL NOTES:

1. REINFORCING STEEL BARS SHALL BE SPLICED AS REQUIRED IN ACCORDANCE WITH ACI REQUIREMENTS.
2. ANY WELDING TO BE PERFORMED, IF ALLOWED, MUST HAVE PRIOR WRITTEN APPROVAL OF THE ENGINEER.
3. PROVIDE DOWELS IN FOOTINGS AND/OR GRADE BEAMS WITH THE SAME SIZE AND SPACING AS WALL REINFORCEMENT.
4. IN GENERAL, BAR SPLICES SHALL BE MADE AT POINTS OF MINIMUM STRESS. SPLICES SHALL BE SECURELY WIRED TOGETHER. STAGGER SPLICES AT LEAST 24" WHENEVER POSSIBLE IN BEAMS AND SLABS. SPLICE TOP BARS AT MIDSPAN, AND BOTTOM BARS NEAR SUPPORT FOR BEAMS AND TOP SLABS. IN THE CASE OF SLAB ON GRADE OR BASE SLABS, SPLICE BOTTOM BARS AT MIDPSPAN AND TOP BARS NEAR SUPPORT. BAR SPLICING SHALL ONLY BE MADE AS REQUIRED OR PERMITTED ON DESIGN DRAWINGS OR AS ALLOWED BY ACI CODE OR AS AUTHORIZED BY THE ENGINEER.
5. ALL REINFORCING BENDS SHALL BE COLD BENDS PER ACI 315 REQUIREMENTS.
6. MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS:

CAST AGAINST EARTH	3"
EXPOSED TO EXTERIOR OR WEATHER	1½"
FORMED SURFACE BELOW GRADE	2"
COLUMNS AND BEAMS	1½

7. REINFORCING STEEL SHALL BE PER ASTM A615, GRADE 60, U.N.O.
   - 7.1. ASTM A615, GRADE 60 DEFORMED BARS IN FRAME MEMBERS, WALLS, AND COUPLING BEAMS RESISTING EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES SHALL COMPLY WITH THE FOLLOWING:
     - 7.1.1. ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT NOT EXCEED Fy BY MORE THAN 18,000 PSI; AND
     - 7.1.2. THE RATIO OF THE ACTUAL TENSILE STRENGTH TO THE ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25
     - 7.1.3. IF THE CONDITIONS IN 7.1.1 AND 7.1.2 ABOVE CANNOT BE MET OR AT THE CONTRACTOR'S OPTION, DEFORMED REINFORCEMENT COMPLYING WITH ASTM A706 SHALL BE USED.

FOUNDATION NOTES:

1. THE CONTRACTOR SHALL RETAIN A SOIL ENGINEER TO PREPARE A GEOTECHNICAL REPORT TO VERIFY ASSUMED VALUES HEREIN PRIOR TO COMMENCING ANY WORK.
2. ALL GRADING SHALL BE DONE IN ACCORDANCE WITH THE CONTOURS AND DIMENSIONS INDICATED. SUBGRADE SHALL BE SLIGHTLY SLOPED TO PROVIDE PROPER SURFACE DRAINAGE AND TO AVOID SURFACE PONDING.
3. THE BASE COURSE, WHERE REQUIRED, SHALL BE COMPACTED IN A MANNER RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
4. FOOTING EXCAVATION AND RECOMPACTION, WHERE REQUIRED, SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER TO VERIFY CONDITION OF SOIL BEARING CAPACITY PRIOR TO PLACEMENT OF FOUNDATION FORMS AND REBAR. WHERE UNSATISFACTORY SOILS ARE ENCOUNTERED, THEY SHALL BE OVEREXCAVATED AND REPLACED WITH A LEAN CONCRETE OR CEMENT GROUT OR AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
5. REFER TO GEOTECHNICAL REPORT AS REFERENCED IN THE DESIGN CRITERIA FOR PREPARATION OF SITE SUBGRADE AND STRUCTURAL FILL.

SPECIAL INSPECTIONS:

1. SPECIAL INSPECTIONS SHALL BE UNDER RESPONSIBILITY OF THE CONTRACTOR AND CARRIED OUT IN ACCORDANCE WITH PROVISIONS OF IBC 2009, CHAPTER 17.
2. IN ADDITION TO THE INSPECTION PROCEDURES AND REQUIREMENTS OF IBC 2009, THE CONTRACTOR SHALL EMPLOY ONE OR MORE PRE-COORDINATED AND OWNER-APPROVED SPECIAL INSPECTORS, AS REQUIRED BY AND ACCEPTABLE TO THE BUILDING OFFICIAL, WHO SHALL PROVIDE "SPECIAL INSPECTIONS" DURING CONSTRUCTION.
3. THE SPECIAL INSPECTOR OF RECORD SHALL PREPARE A "STATEMENT OF SPECIAL INSPECTIONS" ACCORDING TO IBC 2009. THE STATEMENT SHALL INDICATE SPECIFIC ITEMS TO BE INSPECTED AND THEIR FREQUENCIES WHICH SHALL COVER, BUT NOT BE LIMITED TO, THE FOLLOWING TYPE OF WORK:
   - 3.1. CONCRETE
   - 3.2. ANCHOR BOLTS INSTALLED IN CONCRETE
   - 3.3. REINFORCING STEEL
   - 3.4. EPOXY DOWELS AND ANCHORS
4. SPECIAL INSPECTOR SHALL FURNISH SIGNED TESTING AND INSPECTION REPORTS TO THE CONSTRUCTION MANAGER AND THE CONTRACTOR INDICATING THE WORK INSPECTED ON A DAILY OR WEEKLY BASIS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE CONSTRUCTION MANAGER.
5. FINAL REPORT: SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND THE APPLICABLE PROVISIONS OF THE BUILDING CODE.
6. THE CONTRACTOR SHALL PROVIDE A TWO-WEEK SCHEDULE OF ANTICIPATED WORK REQUIRING SPECIAL INSPECTIONS. INSPECTION REQUESTS SHALL BE IN WRITING AND FILED AT LEAST 2 WORKING DAYS BEFORE THE DESIRED INSPECTION.
7. THE CONTRACTOR SHALL CAUSE THE WORK TO REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES. IT SHALL BE AT THE CONTRACTOR'S EXPENSE IF REMOVAL AND REPLACEMENT OF MATERIALS ARE REQUIRED TO ALLOW INSPECTION.
8. THE SPECIAL INSPECTOR SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FINAL QUALITY CONTROL REVIEW OF WORK TO ENSURE THAT ITEMS OBSERVED BY THE SPECIAL INSPECTOR SHALL NOT HAVE BEEN MOVED, REMOVED, DISPLACED OR DISLODGED BY THE VARIOUS SUBCONTRACTORS WORKING ON THE SITE BETWEEN INSPECTION AND COMPLETION OF WORK.
10. CONTRACTOR SHALL PAY FOR ALL RELATED COSTS SUCH AS RE-WORK, INCLUDING MATERIAL REPLACEMENT, AND RE-TESTING WHEN NON-CONFORMING WORK HAS BEEN FOUND RESULTING FROM TESTS AND INSPECTIONS.
11. THE SPECIAL INSPECTION FINAL REPORT SHALL DOCUMENT THE REQUIRED SPECIAL INSPECTIONS AND CORRECTIONS OF DISCREPANCIES NOTED IN THE INSPECTIONS. IT IS NOT A GUARANTEE OR WARRANTY THAT THE FINAL CONSTRUCTION IS IN COMPLETE CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS NOR THE WORKMANSHIP PROVISIONS OF THE BUILDING CODE.
12. ACCEPTANCE AS A RESULT OF INSPECTION SHALL NOT BE CONSTRUED AS AN ACCEPTANCE OF A VIOLATION OF BUILDING CODE PROVISIONS OR OTHER ORIDNANCES OF THE GUAM JURISDICTION.
13. SUBSTITUTION AS A RESULT OF AN INSPECTION SHALL NOT BE ALLOWED. THE CONTRACTOR SHALL SEEK THE APPROVAL OF THE ENGINEER OF RECORD FOR ANY CHANGES OR SUBSTITUTIONS.

DESIGN CRITERIA:

1. REFERENCES

   2009 INTERNATIONAL BUILDING CODE
   ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2008
   ACI 530 BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES, 2008
   AISC 360 MANUAL OF STEEL CONSTRUCTION, 2005
   ASCE 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2005
   AWS D1.1 STRUCTURAL WELDING CODE

2. FOUNDATION LOAD PARAMETERS

   THE FOLLOWING ARE BASED ON THE SOIL REPORT PROVIDED BY PACIFIC SOILS AND TESTING DATED AUGUST 27, 2015.

   SOIL BEARING CAPACITY = 4000 PSF (DEAD PLUS LIVE PLUS WIND OR SEISMIC)
   SOIL BEARING CAPACITY = 3000 PSF (DEAD PLUS LIVE)
   ALLOWABLE EQUVALENT FLUID PRESSURE = 250 PSF PER FOOT OF DEPTH
   ALLOWABLE FRICTION FACTOR = 0.35

3. SEISMIC LOAD PARAMETERS

   MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER FOR SHORT PERIOD, SS = 1.50G
   MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETER FOR 1-SECOND PERIOD, S1 = 0.60g
   LONG-PERIOD TRANSITION PERIOD, TL = 12s
   SITE CLASS = C
   OCCUPANCY CATEGORY = IV
   IMPORTANCE FACTOR, I = 1.5
   STRUCTURALSYSTEM:
   INFILL BUILDING: SPECIAL MOMENT FRAME, R=8.0, Ωo=3.0, Cd=5..5
   ELEVATOR LOBBY: SPECIAL REINFORCED CONCRETE SHEAR WALL, R=5, Ωo=2.50, Cd=5.0

4. WIND LOAD PARAMETERS

   BASIC WIND SPEED V = 170 MPH
   EXPOSURE CATEGORY = B
   OCCUPANCY CATEGORY = IV
   TOPOGRAPHIC FACTOR, Kzt = 1.0

5. DEAD LOAD PARAMETERS

   STEEL UNIT WEIGHT = 490 PCF
   CONCRETE UNIT WEIGHT = 150 PCF
   SUPERIMPOSED DEADLOADS = 35 PSF

6. LIVE LOAD PARAMETERS

   ROOF = 20 PSF
   PARTITION = 15 PSF
   OPERATING ROOMS, LABORATORIES = 60 PSF
   PATIENT ROOMS = 40 PSF
   FIRST FLOOR CORRIDORS = 100 PSF
   UPPER FLOOR CORRIDORS = 80 PSF
   STAIRS = 100 PSF
   MECHANICAL/ELECTRICAL ROOMS = 125 PSF

7. MATERIAL PROPERTIES

   STRUCTURAL CONCRETE, f'c = 4000 PSI, U.N.O.
   DEFORMED REINFORCING BARS: SEE ALSO "REINFORCING STEEL NOTES"
   Fy = 40 KSI FOR #3 AND SMALLER,
   Fy = 60 KSI FOR #4 AND LARGER.

ABBREVIATIONS:

ACI	AMERICAN CONCRETE INSTITUE	MW	METRIC WIRE GAGE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MIN	MINIMUM
ADDT'L	ADDITIONAL	MPH	MILES PER HOUR
ARCH	ARCHITECT OR ARCHITECTURAL	NGL	NATURAL GRADE LINE
AWS	AMERICAN WELDING SOCIETY	NTS	NOT TO SCALE
BB	BOND BEAM	O.C.	ON CENTER
BLK	BLOCK	OPG	OPENING
BOT	BOTTOM	PNTD	PAINTED
BLDG	BUILDING	PSF	POUNDS PER SQUARE FOOT
BP	BASE PLATE	PSI	POUNDS PER SQUARE INCH
BW	BOTH WAYS	PVC	POLYVINYL CHLORIDE
C	CHANNEL	PREFAB	PREFABRICATED
CIP	CAST IN PLACE	PJF	PREFORMED JOINT FILLER
CLR	CLEAR	REBAR	REINFORCING STEEL BARS
COMP	COMPACTED	R.O.	ROUGH OPENING
CONC	CONCRETE	SLRS	SEISMIC LOAD RESISTING SYSTEM
CMU	CONCRETE MASONRY UNIT	SIM	SIMILAR
CONN	CONNECTION	SOG	SLAB ON GRADE
CONT	CONTINUES, CONTINUED	SS	STAINLESS STEEL
DECOR	DECORATIVE	T	THICKNESS
D	DIAMETER	T.O.	TOP OF
DIAM	DIAMETER	THK	THICK
DEG	DEGREE	THRU	THROUGH
E, (E)	EXISTING	TYP	TYPICAL
EA	EACH	U.N.O.	UNLESS NOTED OTHERWISE
EF	EACH FACE	VER	VERIFY
ETC	ETCHETERA	VERT	VERTICAL
EW	EACH WAY	W	WIDE FLANGE
ENCL	ENCLOSURE	WWF	WELDED WIRE FABRIC
EQUIP	EQUIPMENT	W/	WITH
EXIST	EXISTING		
EXP	EXPANSION		
FIN	FINISH, FINISHED		
FGL	FINISHED GRADE LINE		
GMHA	GUAM MEMORIAL HOSPITAL AUTHORITY		
GR	GRADE		
HGT., HT.	HEIGHT		
HOR	HORIZONTAL		
KSI	KIPS PER SQUARE INCH		
LB	LINTER BEAM		
LD	DEVELOPMENT LENGTH		
LIQ	LIQUID		
LFRS	LATERAL FORCE RESISTING SYSTEM		
MD	MAXIMUM DENSITY		
MDD	MAXIMUM DRY DENSITY		

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management
E : info@ascengineersinc.com | W: www.ascengineersinc.com | C : 1-671-888-6362

AQUILINO S. CABRIAS, JR.
CERTIFICATE No. 1710
STRUCTURAL
EXP. 04/30/25
GUAM
PROFESSIONAL ENGINEER

PERMIT SET

PROJECT TITLE: MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY

SHEET TITLE: GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS
SPECIAL INSPECTION NOTES

MARK	DATE	DESCRIPTION

DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

DWG NO:
S001

REINFORCEMENT SPLICE SCHEDULE NOTES:

(1) ALL LAPS ARE TYPICAL TENSION LAP SPLICES UNLESS NOTED AS COMPRESSION (" l_{sc} ") ON PLANS OR DETAILS.

(2) IF CONCRETE COVER IS NOT GREATER THAN THE DIAMETER OF THE BAR OR THE CENTER TO CENTER SPACING IS NOT GREATER THAN (3) BAR DIAMETERS, THEN VALUES SHOWN SHALL BE INCREASED BY 50%.

(3) "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.

(4) IF CONCRETE COVER IS NOT GREATER THAN 2½" AND THE END COVER OF HOOKS IS NOT GREATER THAN 2", THEN VALUES SHOWN SHALL BE INCREASED BY 43%.

(5) NON-CONTACT SPLICES ARE NOT ALLOWED.

(6) INCREASE LENGTHS PROVIDED BY 25% FOR ALL VERTICAL BARS IN CONCRETE WALLS.

(7) FOR EPOXY-COATED BARS WITH COVER LESS THAN 3 TIMES BAR DIAMETER, OR CLEAR SPACING LESS THAN 6 TIMES BAR DIAMETER MULTIPLY THE LENGTHS BY 1.5. FOR ALL OTHER EPOXY-COATED BARS, MULTIPLY THE LENGTHS BY 1.2.

(8) ALL BAR SPLICES SHALL BE CLASS B, U.N.O.

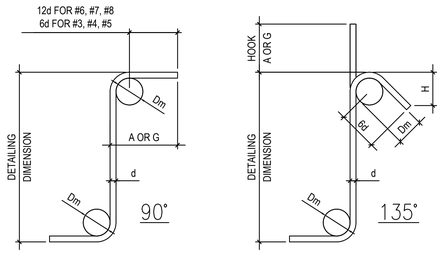
REINFORCEMENT SPLICE SCHEDULE (1)
(FOR GRADE 60, UNCOATED BARS & NORMAL WEIGHT CONCRETE), in.

BAR SIZE	MINIMUM TENSION LAP SPLICE LENGTHS (" l_d ") (2), (5), (6), (7)						MINIMUM EMBEDMENT LENGTHS FOR STANDARD END HOOKS (" l_{dh} ") (4)		MINIMUM LAP SPLICE LENGTHS FOR BARS IN COMPRESSION (" l_{sc} ") (2)	MINIMUM STRAIGHT DEVELOPMENT LENGTH (" l_{dc} ") FOR BARS IN COMPRESSION
	f'c = 3 ksi		f'c = 4 ksi		f'c = 5 ksi		f'c = 3 ksi	f'c ≥ 3.5 ksi	f'c ≥ 3.5 ksi	f'c ≥ 3.5 ksi
	TOP BARS (3)	OTHER BARS	TOP BARS (3)	OTHER BARS	TOP BARS (3)	OTHER BARS				
#3	29	22	26	20	22	17	6	6	12	9
#4	38	29	36	27	29	22	11	11	15	11
#5	47	36	43	33	36	28	14	13	19	14
#6	56	43	52	40	43	33	17	16	23	17
#7	82	62	76	58	63	49	20	18	27	20
#8	94	71	86	66	72	55	22	21	30	22
#9	105	81	98	75	81	63	25	23	34	25
#10	117	91	108	83	91	70	28	26	38	28

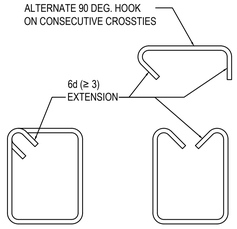
1 / S002 REINFORCEMENT SPLICE SCHEDULE
NOT TO SCALE

STIRRUPS (TIES SIMILAR)
STIRRUP AND TIE HOOK DIMENSIONS
ALL GRADES, in

BAR SIZE	Dm	90° HOOKS	135° HOOKS	
		HOOK A OR G	HOOK A OR G	H APPROX.
#3	1½	4	4	2½
#4	2	4½	4½	3
#5	2½	6	5½	3¾
#6	4½	12	8	4½
#7	5¼	14	9	5¼
#8	6	16	10½	6

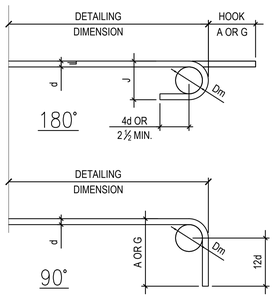


2 / S002 STIRRUP AND TIE HOOK DIMENSIONS
NOT TO SCALE

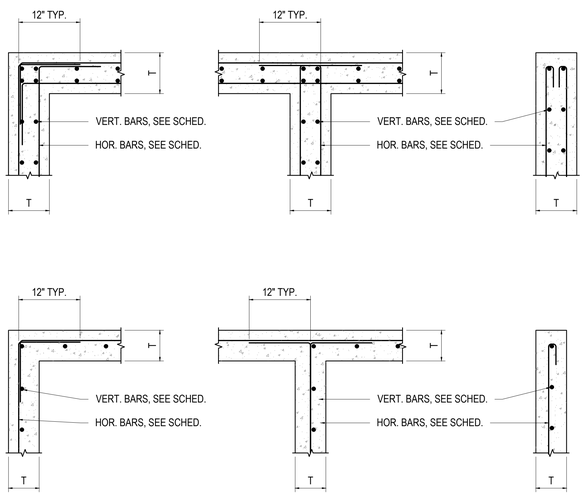


5 / S002 SEISMIC HOOK CLOSED TIE DETAIL
NOT TO SCALE

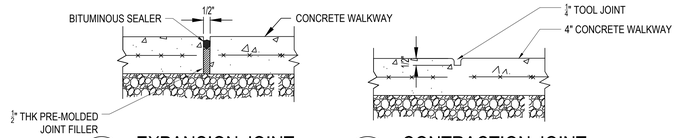
BAR SIZE	Dm	180° HOOKS		90° HOOKS
		A OR G	J	A OR G
#3	2¼	5	3	6
#4	3	6	4	8
#5	3¾	7	5	10
#6	4½	8	6	12
#7	5¼	10	7	14
#8	6	11	8	16
#9	9½	15	11¾	19
#10	10¾	17	13¾	22



3 / S002 STANDARD HOOK DIMENSIONS
NOT TO SCALE

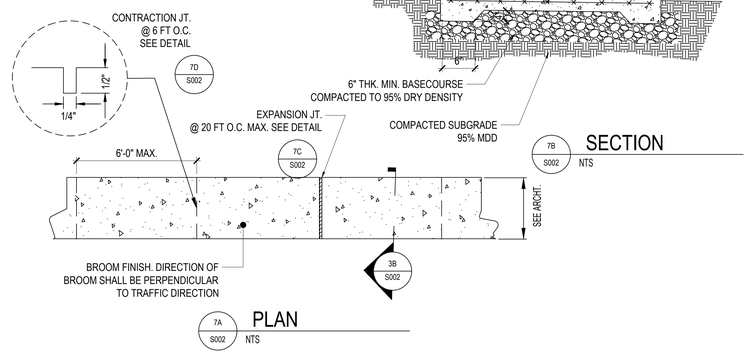


4 / S002 TYPICAL WALL CORNER/END DETAILS
NOT TO SCALE



7C / S002 EXPANSION JOINT
NTS

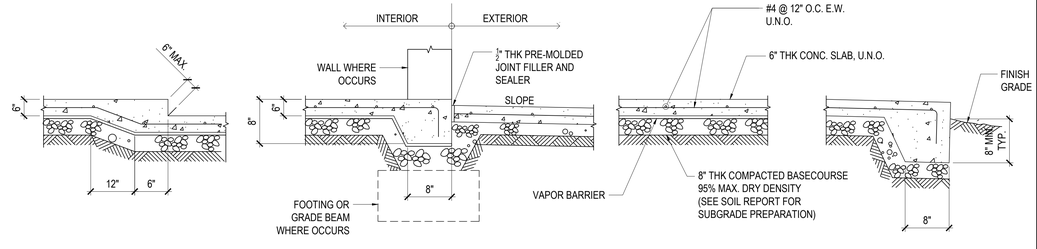
7D / S002 CONTRACTION JOINT
NTS



7B / S002 SECTION
NTS

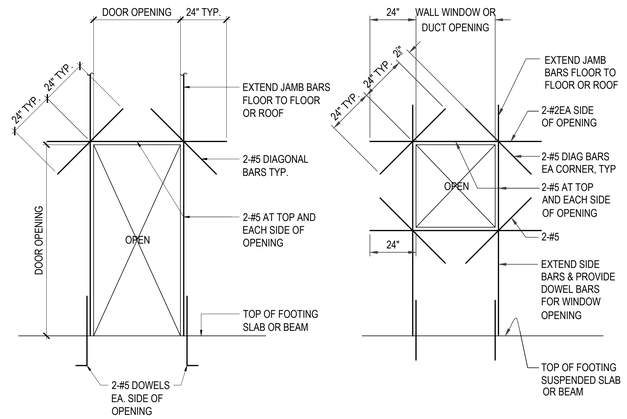
7A / S002 PLAN
NTS

7 / S002 TYPICAL CONC WALK OR SIDEWALK DETAILS
NOT TO SCALE



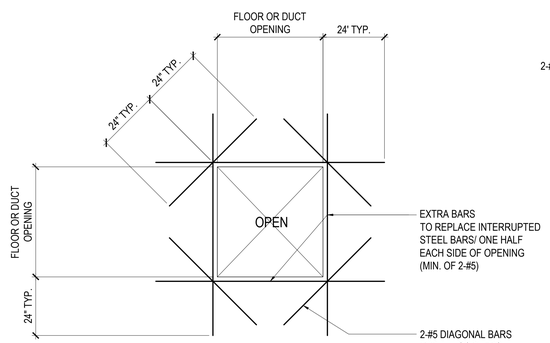
AT DEPRESSION | AT INTERIOR/EXTERIOR JOINT | AT INTERIOR SLAB | AT EXTERIOR SLAB

8 / S002 SLAB ON GRADE DETAILS
NOT TO SCALE

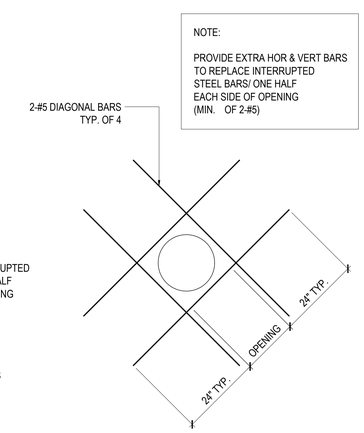


ELEVATION
CONC WALL DOOR OPENING

ELEVATION
CONC WALL WINDOW / DUCT OPENING



PLAN VIEW
RECTANGULAR FLOOR/DUCT OPENING



PLAN VIEW
ROUND FLOOR/DUCT OPENING

6 / S002 WALL OPENING EXTRA BARS
NOT TO SCALE

9 / S002 FLOOR OPENING EXTRA BARS
NOT TO SCALE

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

AGUILINO S. CABRIAS JR.
No. 1710
STRUCTURAL
EXP. 04/30/25
GUAM
PROFESSIONAL ENGINEER

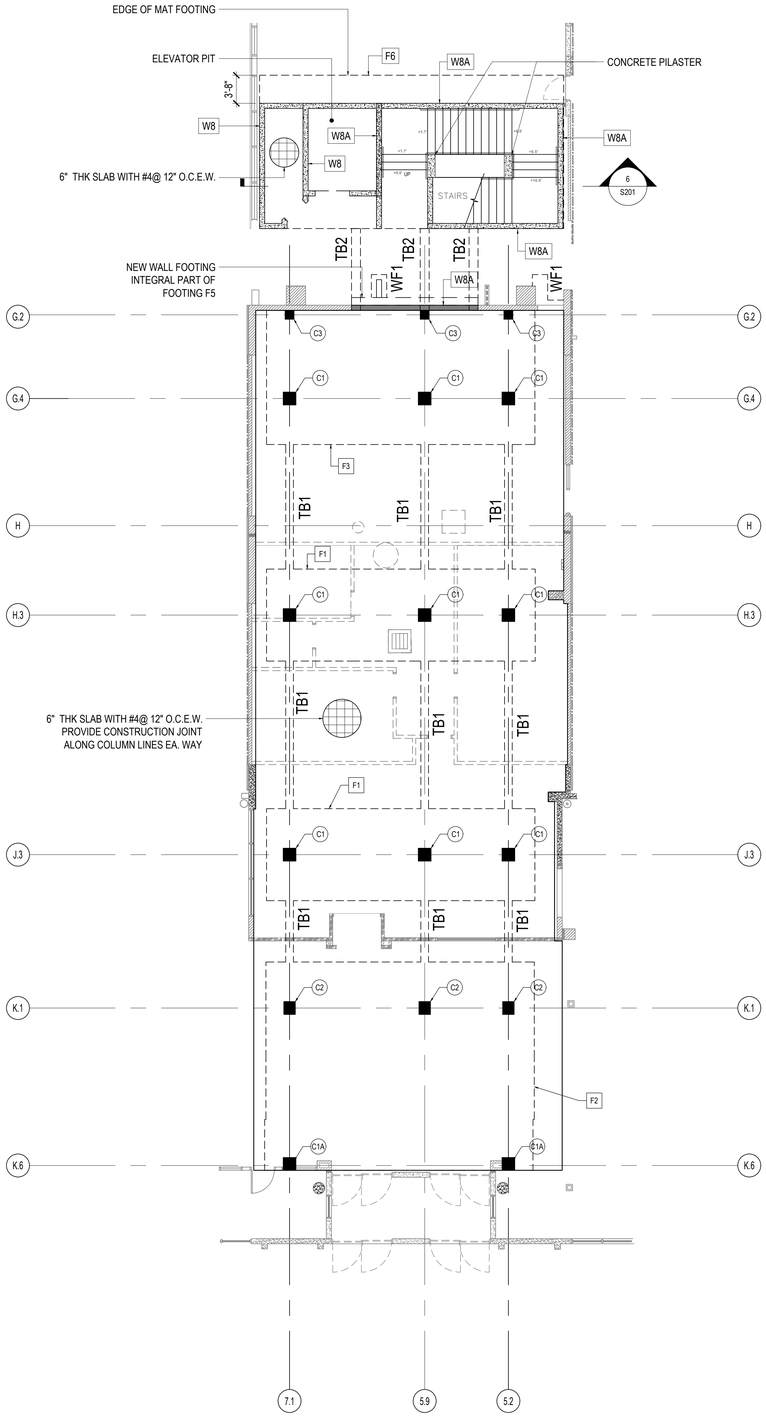
PERMIT SET

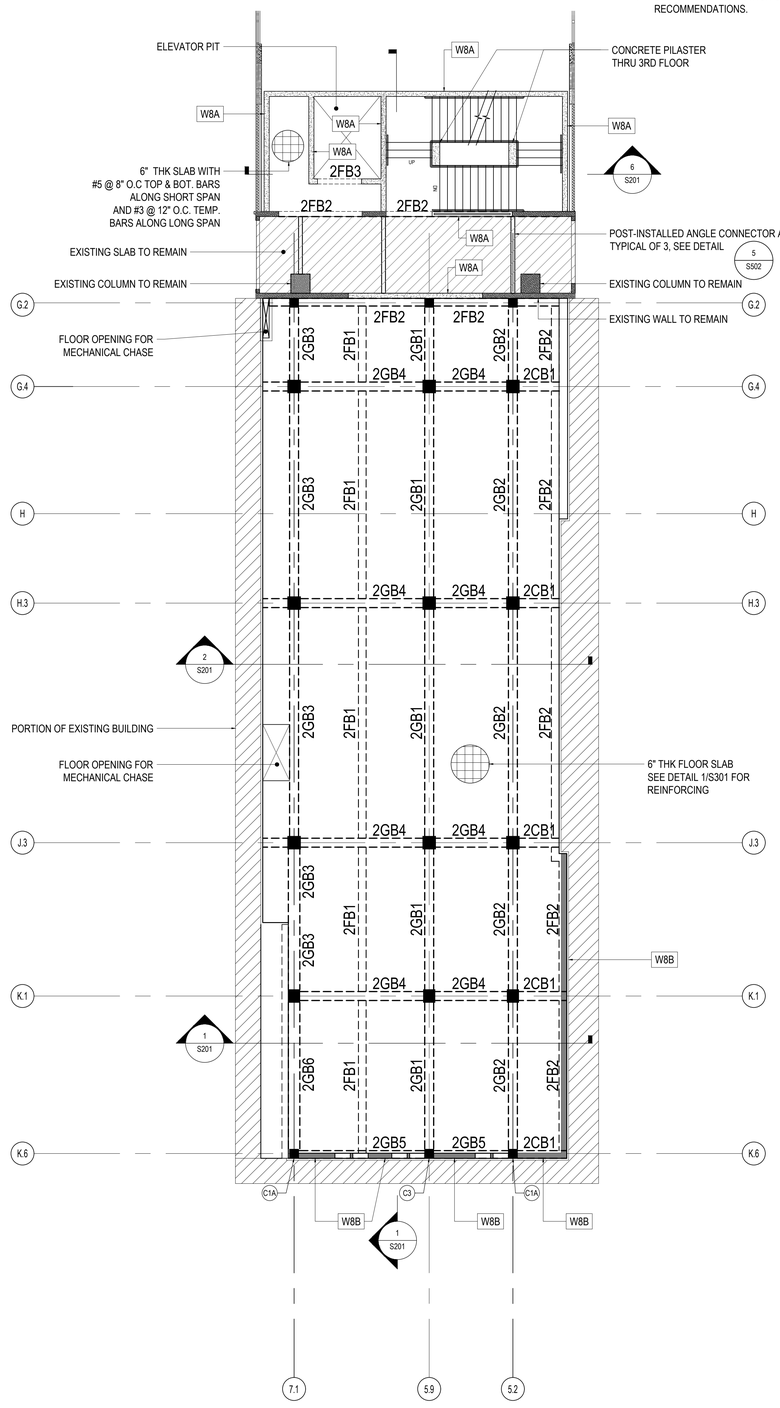
MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

PROJECT TITLE: GUAM MEMORIAL HOSPITAL AUTHORITY
OWNER:
SHEET TITLE: STANDARD HOOKS AND BENDS
TYPICAL DETAILS

MARK	DATE	DESCRIPTION
DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

DWG NO: S002





NOTES:

1. FLOOR CLEANOUTS SHALL BE PROVIDED ON THE EXISTING DRAINAGE CATCH BASIN AND SEWER MANHOLES THAT WILL COVERED BY NEW CONCRETE SLAB.
2. REFER TO PLUMBING DRAWING FOR DETAILS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF REMOVAL WORKS.
4. SUB-GRADE PREPARATION SHALL BE IN ACCORDANCE TO SOIL ENGINEER'S RECOMMENDATIONS.

1 S101 FOUNDATION PLAN
1/8" = 1'-0"
0" 4' 8' 16"

2 S101 PARTIAL 2ND FLOOR FRAMING PLAN
1/8" = 1'-0"
0" 4' 8' 16"

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

ARNULFO S. CABRIAS JR.
No. 1710
STRUCTURAL
EXP. 04/30/25
GUAM
PROFESSIONAL ENGINEER

PERMIT SET

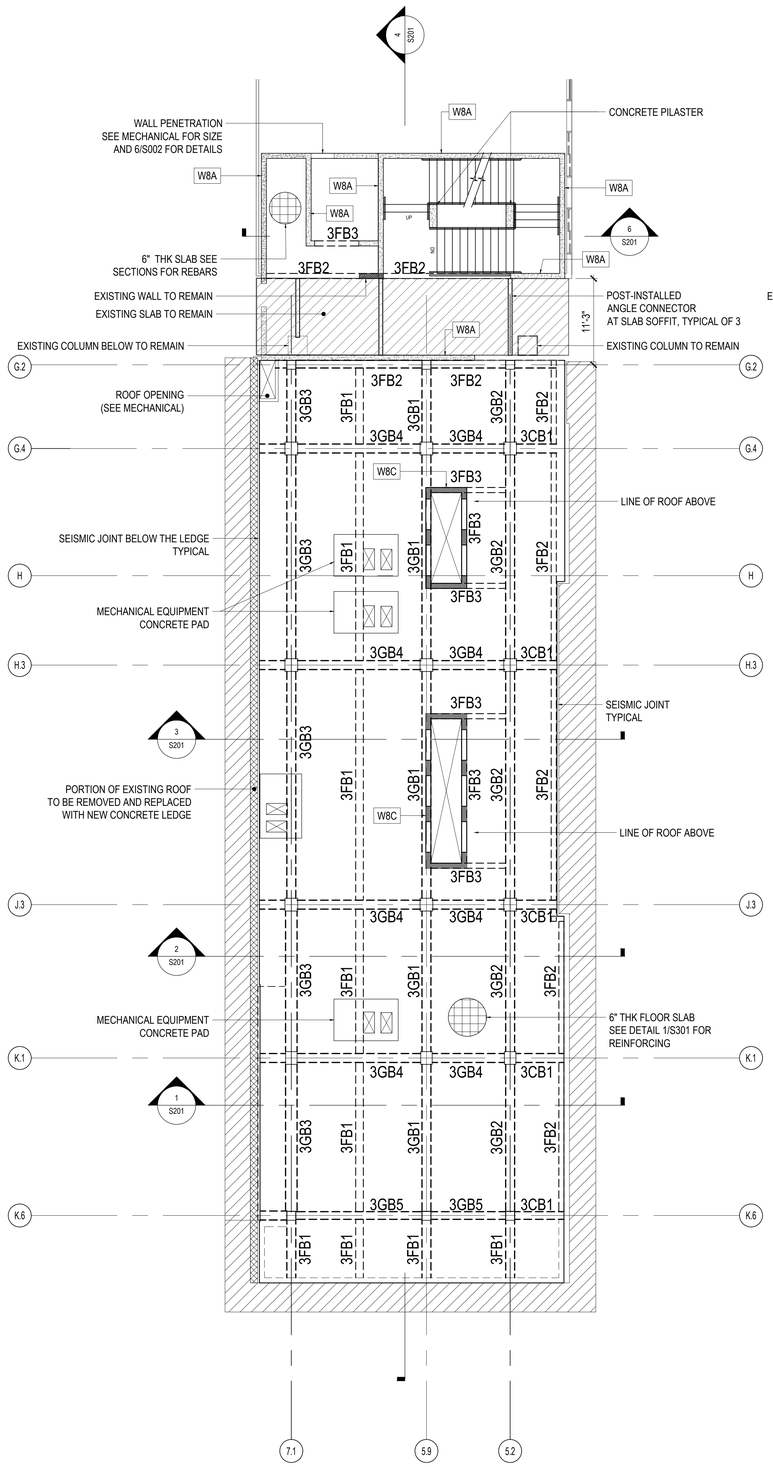
MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

PROJECT TITLE:
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY
SHEET TITLE: PARTIAL FOUNDATION PLAN
PARTIAL 2ND FLOOR FRAMING PLAN

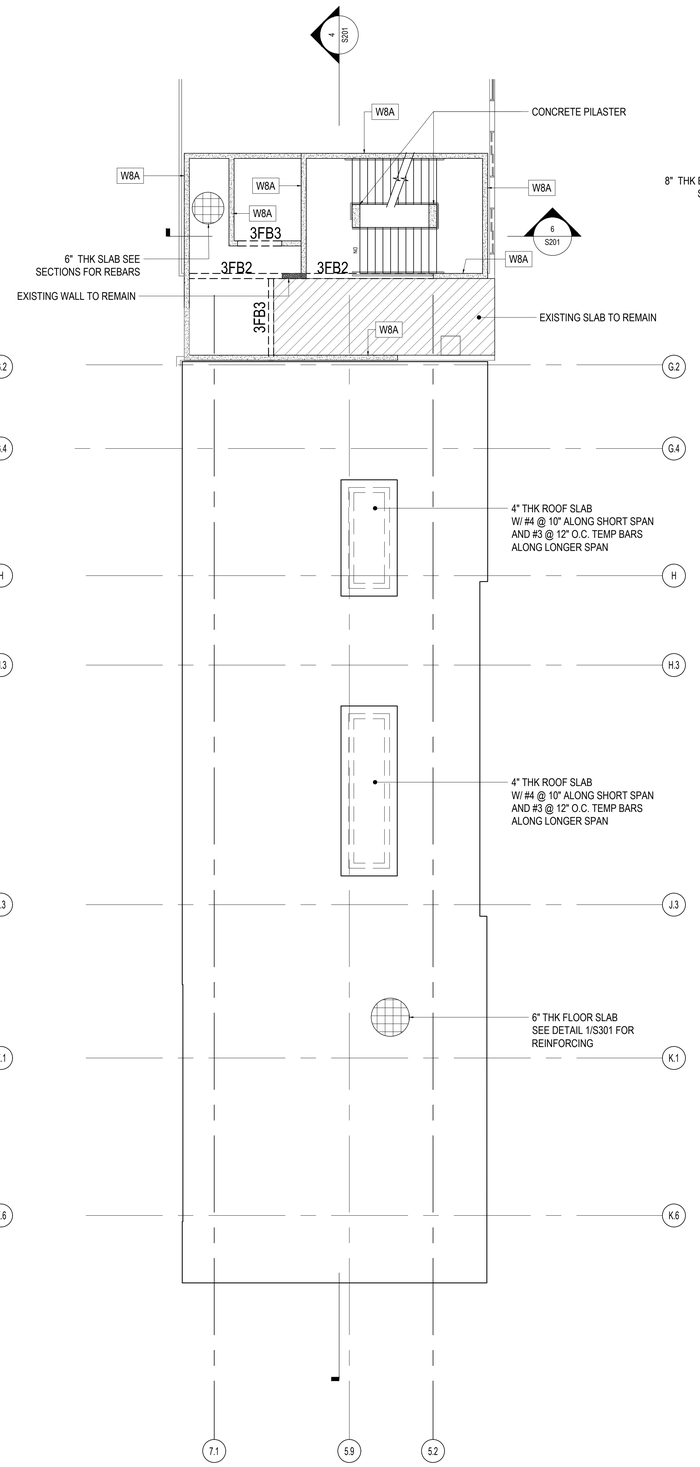
MARK	DATE	DESCRIPTION

DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

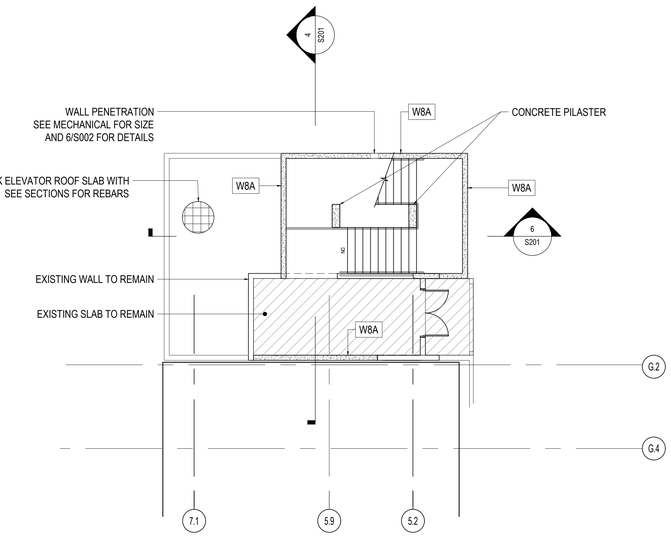
DWG NO: S101



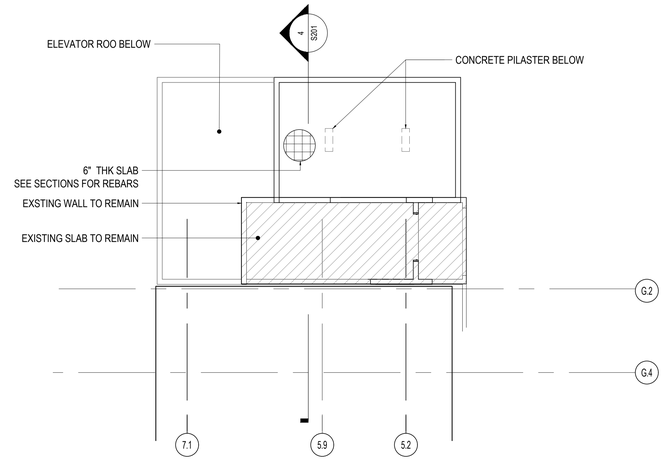
1 S102 PARTIAL 3RD FLOOR AND LOWER ROOF FRAMING PLAN
1/8" = 1'-0"



2 S102 PARTIAL 4TH FLOOR AND UPPER ROOF FRAMING PLAN
1/8" = 1'-0"



3 S102 PARTIAL FIFTH FLOOR FRAMING PLAN
1/8" = 1'-0"
0" 4' 8' 16'



4 S102 PARTIAL ROOF TOWER FRAMING PLAN
1/8" = 1'-0"
0" 4' 8' 16'

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

ARNULFO S. CABRIAS JR.
No. 1710
STRUCTURAL
EXP. 04/30/25
GUAM
PROFESSIONAL ENGINEER

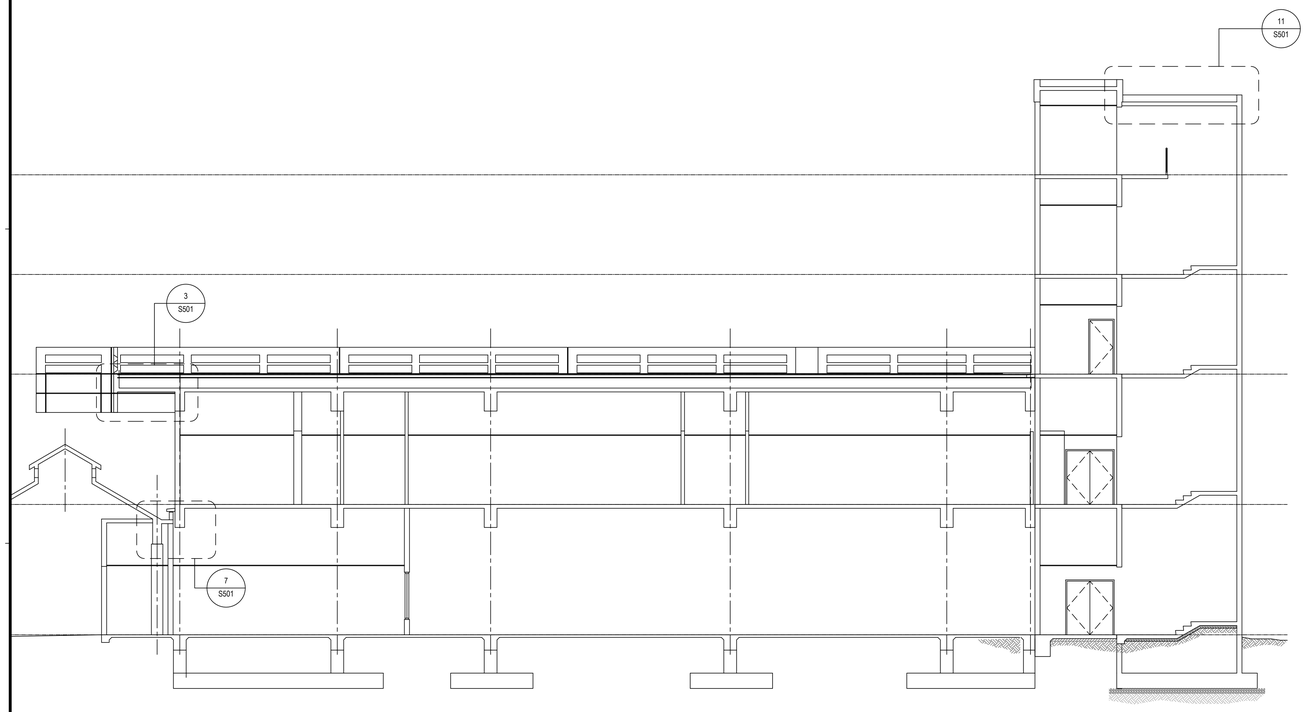
PERMIT SET

MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

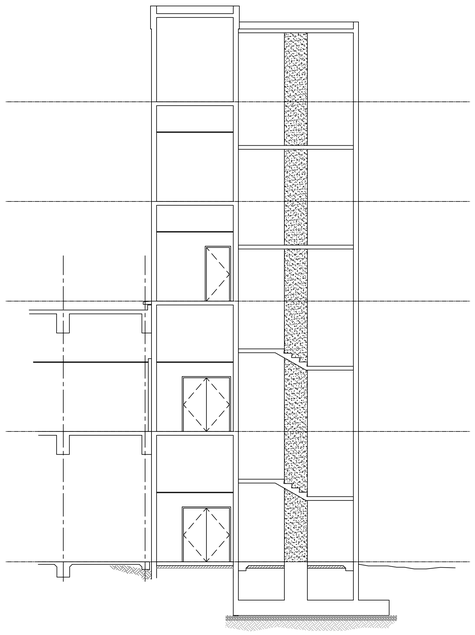
PROJECT TITLE:
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY
SHEET TITLE: PARTIAL 3RD FLOOR & LOWER ROOF FRAMING PLAN / PARTIAL 4TH FLOOR AND UPPER ROOF FRAMING PLAN / PARTIAL FIFTH FLOOR FRAMING PLAN / PARTIAL ROOF TOWER FRAMING PLAN

MARK	DATE	DESCRIPTION
DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

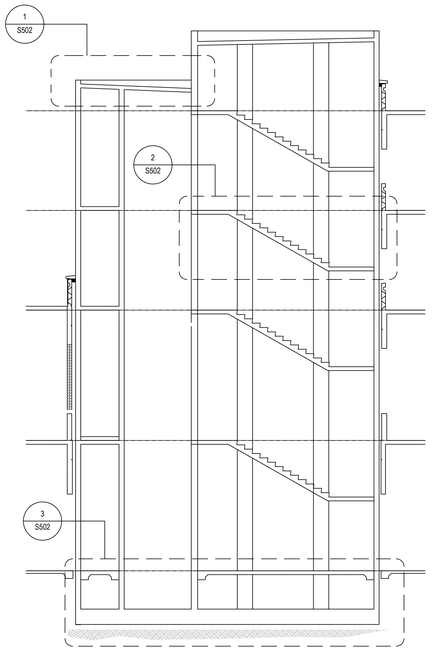
DWG NO:
S102



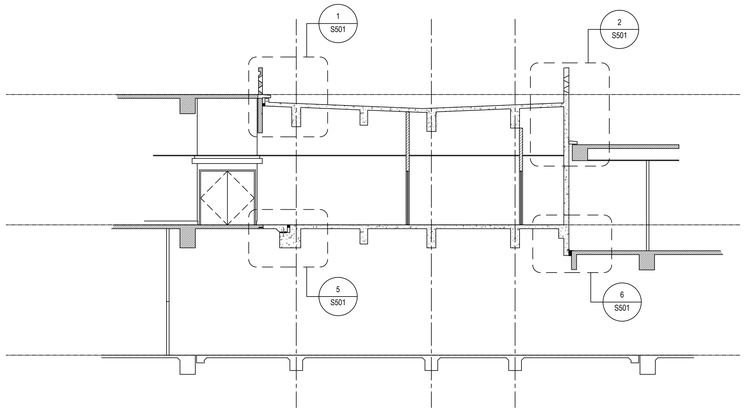
4 S102 BUILDING SECTION
1/4" = 1'-0"



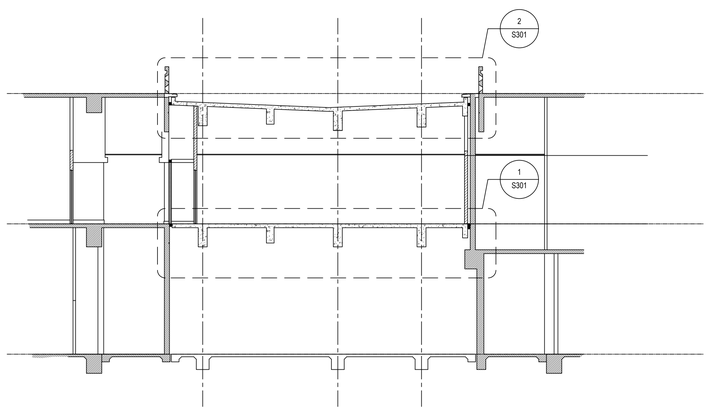
5 S102 BUILDING SECTION
1/4" = 1'-0"



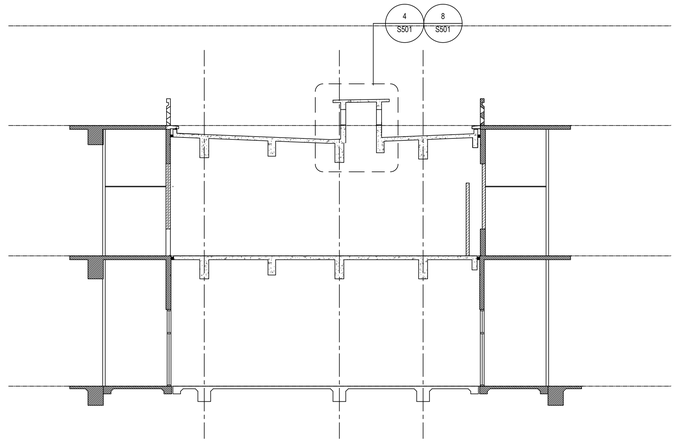
6 S102 BUILDING SECTION
1/4" = 1'-0"



1 S102 BUILDING SECTION
1/4" = 1'-0"



2 S102 BUILDING SECTION
1/4" = 1'-0"



3 S102 BUILDING SECTION
1/4" = 1'-0"

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

ARNULFO S. CABRIAS JR.
No. 1710
STRUCTURAL
EXP. 04/30/25
GUAM
PROFESSIONAL ENGINEER

PERMIT SET

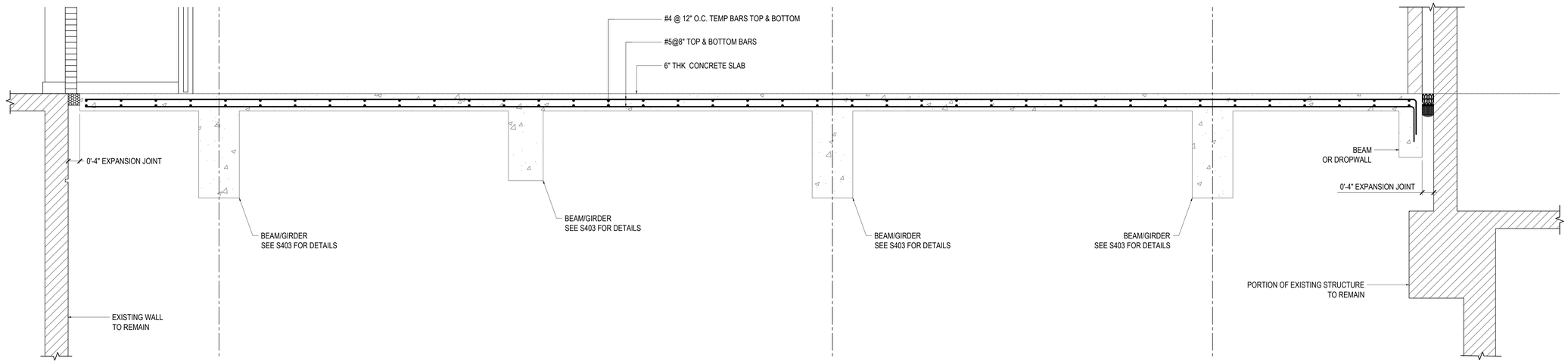
MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

PROJECT TITLE:
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY
SHEET TITLE: BUILDING SECTIONS

MARK	DATE	DESCRIPTION

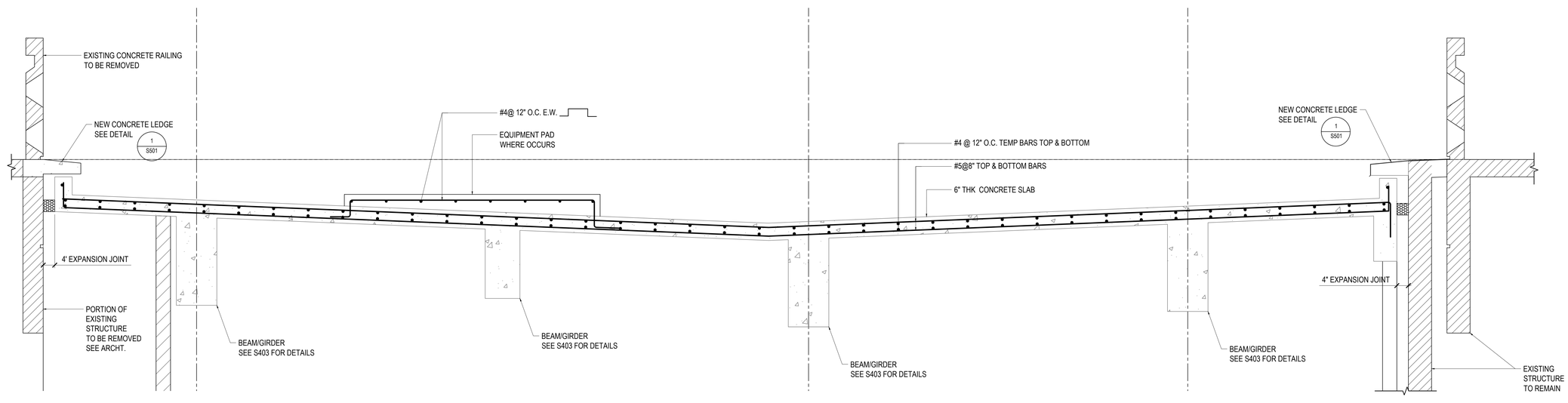
DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

DWG NO:
S201



1 / S301 TYPICAL 2ND FLOOR SLAB SECTION DETAILS

NTS



2 / S301 TYPICAL 3RD FLOOR/ROOF SLAB SECTION DETAILS

NTS

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

ADALINO S. CABRIAS JR. — No. 1710 — STRUCTURAL — EXP. 04/30/25 — GUAM — PROFESSIONAL ENGINEER

PERMIT SET

MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

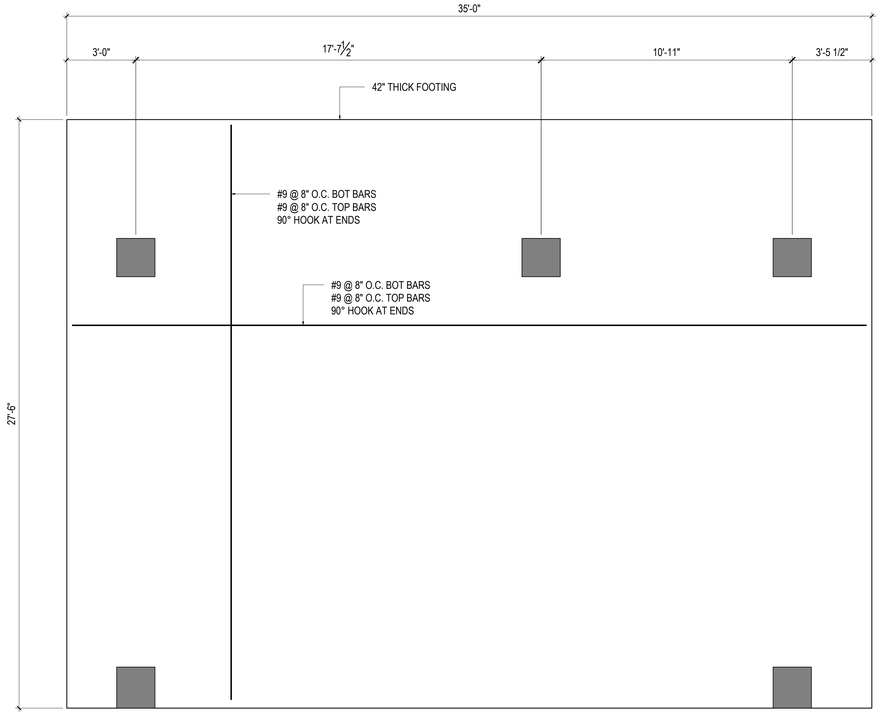
PROJECT TITLE:
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY
SHEET TITLE: 2ND FLOOR SLAB SECTION DETAILS / ROOF SLAB SECTION DETAILS

MARK	DATE	DESCRIPTION
DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

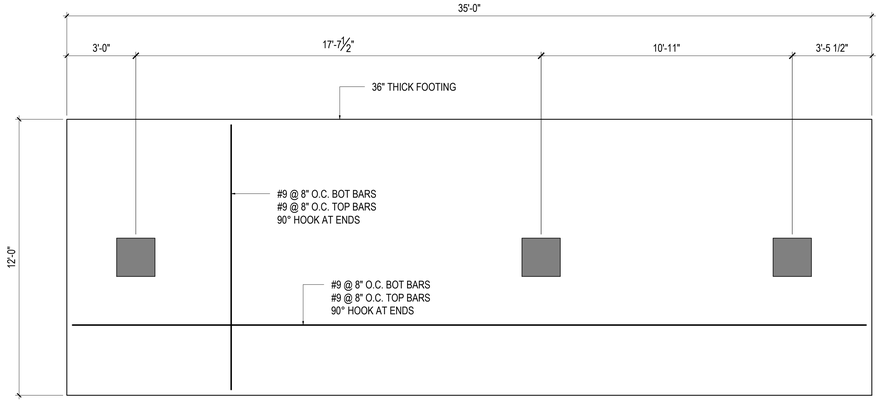
DWG NO: S301

FOUNDATION NOTES FROM SOIL REPORT:

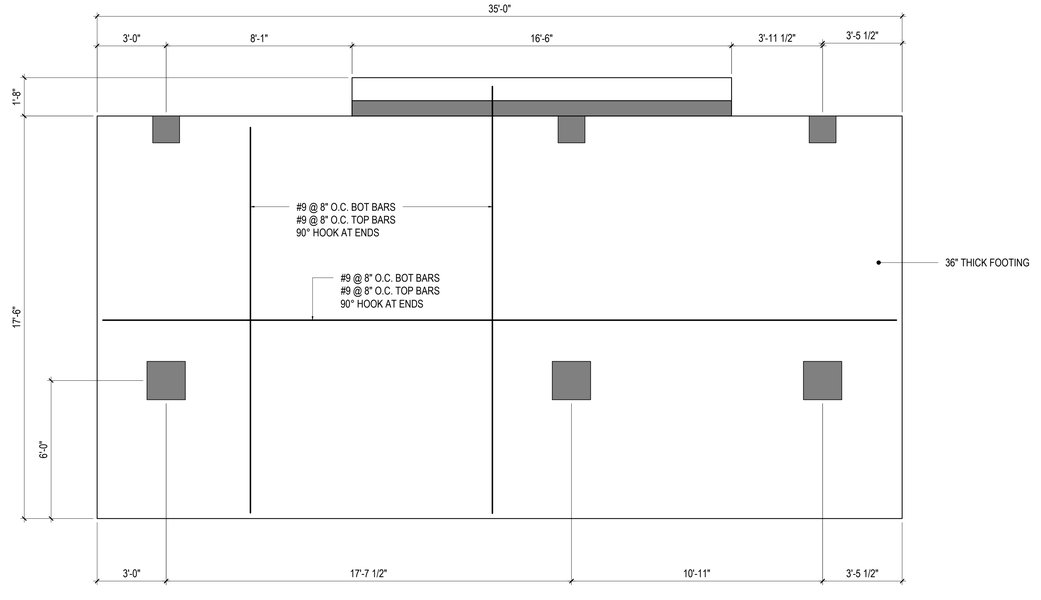
1. CONTRACTOR SHALL REVIEW THE SOIL REPORT PREPARED FOR THIS PROJECT.
2. ALL DEBRIS AND UNSUITABLE MATERIALS SHALL BE STRIPEPD FROM PROPOSED CONSTRUCTION AREAS EXTENDING UP TO 5 FT BEYOND THE CONSTRUCTION LIMITS IF POSSIBLE.
3. THE CONTRACTOR SHALL HIRE A SOIL ENGINEER DURING CONSTRUCTION TO ASSESS THE SITE WHETHER FURTHER DRILLING, PROBING, OR INVESTIGATION WOULD BE REQUIRED. REFER TO SOIL REPORT FOR RECOMMENDED PROBING REQUIREMENTS.
4. ALL FILL INTENDED TO SUPPORT FOUNDATIONS SHALL BE DONE UNDER THE SUPERVISION OF A SOIL ENGINEER.
5. THE UPPER 12 INCHES OF SOILS SUPPORTING FOUNDATIONS SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. COMPACTION SHALL BE IN ACCORDANCE TO THE PROCEDURES AS DIRECTED BY THE SOIL ENGINEER.
6. UNSUITABLE MATERIALS BENEATH SLAB ON GRADES SHALL BE REMOVED AND REPLACED WITH FILL MATERIALS RECOMMENDED BY THE SOIL ENGINEER COMPACTED TO AT LEAST 95% OF MDD.



2 S401 FOOTING F2
NTS



1 S401 FOOTING F1
NTS



5 S401 FOOTING F3
NTS

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

ARNULFO S. CABRIAS JR.
CERTIFICATE
No. 1710
STRUCTURAL
EXP. 04/30/25
GUAM
PROFESSIONAL ENGINEER

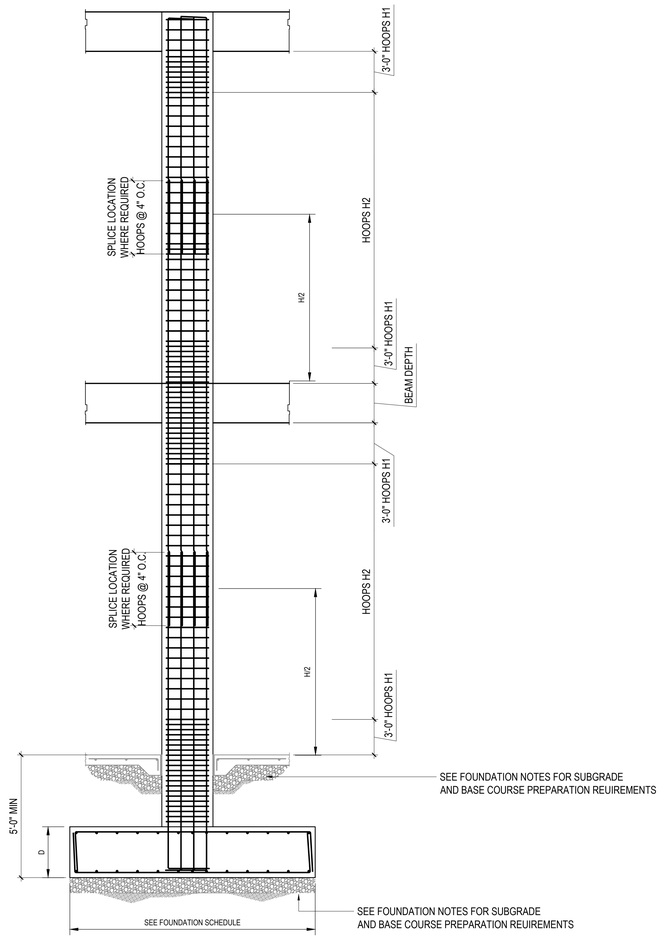
PERMIT SET

MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

PROJECT TITLE:
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY
SHEET TITLE: FOUNDATION DETAILS

MARK	DATE	DESCRIPTION
DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

DWG NO: S401



1 S402 TYPICAL COLUMN ELEVATION
NTS

SCHEDULE OF COLUMN				
LOCATION	DESCRIPTION	STORY 1	STORY 2	STORY 3, 4, 5
COLUMN C1	SIZE	22 X 22	22 X 22	
	TYPE	B	B	
	MAIN BARS	12 # 9	12 # 9	
	TIES (H1)	#4 @ 2" O.C.	#4 @ 2" O.C.	
	TIES (H2)	#4 @ 6" O.C.	#4 @ 4" O.C.	
COLUMN C1A	SIZE	22 X 22	22 X 22	
	TYPE	A	A	
	MAIN BARS	16 # 9	16 # 9	
	TIES (H1)	#4 @ 2" O.C.	#4 @ 2" O.C.	
	TIES (H2)	#4 @ 6" O.C.	#4 @ 6" O.C.	
COLUMN C2	SIZE	22 X 22	22 X 22	
	TYPE	B	B	
	MAIN BARS	12 # 9	12 # 9	
	TIES (H1)	#4 @ 2" O.C.	#4 @ 2" O.C.	
	TIES (H2)	#4 @ 6" O.C.	#4 @ 6" O.C.	
COLUMN C3	SIZE	16 X 16	16 X 16	
	TYPE	C	C	
	MAIN BARS	8 #9	8 #9	
	TIES (H1)	#4 @ 2" O.C.	#4 @ 2" O.C.	
	TIES (H2)	#4 @ 6" O.C.	#4 @ 6" O.C.	
PILASTER	SIZE	12X36	12X36	12X36
	TYPE	WALL	WALL	WALL
	MAIN BARS	6 #8 EA. FACE	6 #8 EA. FACE	6 #8 EA. FACE
	TIES (H1)	#4 @ 2" O.C.	#4 @ 2" O.C.	#4 @ 2" O.C.
	TIES (H2)	#4 @ 8" O.C.	#4 @ 8" O.C.	#4 @ 8" O.C.

3 S402 SCHEDULE OF COLUMN
NTS

SCHEDULE OF WALL						
MARK	DESCRIPTION	STORY 1	STORY 2	STORY 3	STORY 4	STORY 5
W8	THICKNESS	8 IN	8 IN			
	TYPE	DOUBLE	DOUBLE			
	VERTICAL BARS	#6@ 6" O.C.	#6@ 6" O.C.			
	HORIZONTAL BARS	#4 @ 6" O.C. HOOPS	#4 @ 6" O.C. HOOPS			
	REMARKS	SHEARWALL	SHEARWALL			
W8A	THICKNESS	8 IN	8 IN	8 IN	8 IN	8 IN
	TYPE	DOUBLE	DOUBLE	DOUBLE	DOUBLE	DOUBLE
	VERTICAL BARS	#6@ 6" O.C.	#6@ 6" O.C.	#6@ 12" O.C.	#6@ 12" O.C.	#6@ 12" O.C.
	HORIZONTAL BARS	#4 @ 6" O.C. HOOPS	#4 @ 6" O.C. HOOPS	#4 @ 12" O.C. HOOPS	#4 @ 12" O.C. HOOPS	#4 @ 12" O.C. HOOPS
	REMARKS	SHEARWALL	SHEARWALL	SHEARWALL	SHEARWALL	SHEARWALL
W8B	THICKNESS		8 IN			
	TYPE		SINGLE			
	VERTICAL BARS		#6@ 12" O.C.			
	HORIZONTAL BARS		#6 @ 12" O.C.			
	REMARKS		ORDINARY WALL			

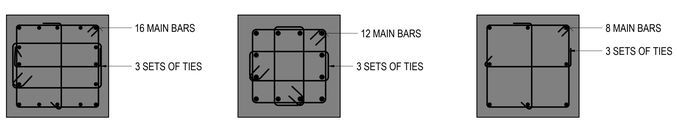
5 S402 SCHEDULE OF WALL
NTS

NOTES:

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL. REINFORCING BARS AND CONSTRUCTION JOINTS MUST SPECIFICALLY LABELLED AND DEFINED.
2. ALL SUB-GRADE AND BASE COURSE PREPARATION FOR FOOTINGS AND SLAB ON GRADE SHALL BE STRICTLY IN ACCORDANCE TO THE RECOMMENDATIONS OF THE SOIL ENGINEER.

FOUNDATION NOTES FROM SOIL REPORT:

1. CONTRACTOR SHALL REVIEW THE SOIL REPORT PREPARED FOR THIS PROJECT.
2. ALL DEBRIS AND UNSUITABLE MATERIALS SHALL BE STRIPEPD FROM PROPOSED CONSTRUCTION AREAS EXTENDING UP TO 5 FT BEYOND THE CONSTRUCTION LIMITS IF POSSIBLE.
3. THE CONTRACTOR SHALL HIRE A SOIL ENGINEER DURING CONSTRUCTION TO ASSESS THE SITE WHETHER FURTHER DRILLING, PROBING, OR INVESTIGATION WOULD BE REQUIRED. REFER TO SOIL REPORT FOR RECOMMENDED PROBING REQUIREMENTS.
4. ALL FILL INTENDED TO SUPPORT FOUNDATIONS SHALL BE DONE UNDER THE SUPERVISION OF A SOIL ENGINEER.
5. THE UPPER 12 INCHES OF SOILS SUPPORTING FOUNDATIONS SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. COMPACTION SHALL BE IN ACCORDANCE TO THE PROCEDURES AS DIRECTED BY THE SOIL ENGINEER.
6. UNSUITABLE MATERIALS BENEATH SLAB ON GRADES SHALL BE REMOVED AND REPLACED WITH FILL MATERIALS RECOMMENDED BY THE SOIL ENGINEER COMPACTED TO AT LEAST 95% OF MDD.



TYPE A TYPE B TYPE C

2 S402 TYPICAL COLUMN SECTION
NTS

DOUBLE CURTAIN SINGLE CURTAIN

4 S402 TYPICAL WALL DETAILS
NTS

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

ARNULFO S. CABRIAS JR.
No. 1710
STRUCTURAL
EXP. 04/30/25
GUAM
PROFESSIONAL ENGINEER

PERMIT SET

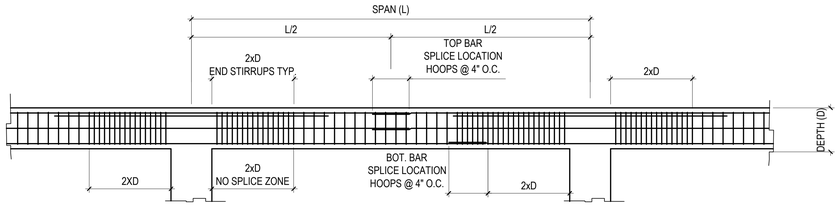
MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

PROJECT TITLE:
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY
SHEET TITLE: COLUMN DETAIL AND SCHEDULE

MARK	DATE	DESCRIPTION

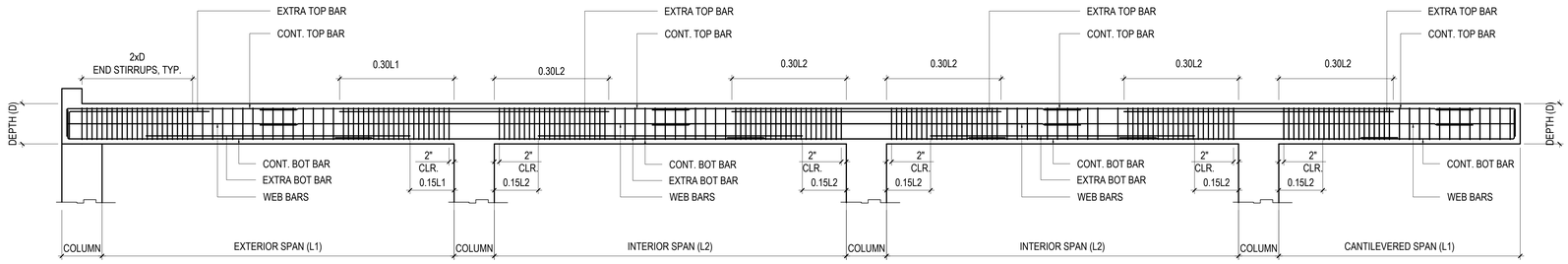
DATE :	2024.10.25
PROJECT NO :	144052
DRAWN BY :	ASC
CHECKED BY :	ASC
COPYRIGHT :	

DWG NO: S402



1 S403 BEAM SPLICE LOCATIONS WHERE REQUIRED

NTS



2 S403 TYPICAL BEAM REINFORCEMENTS

NTS

SCHEDULE OF BEAMS									
BAM MARK	SIZE	TOP BARS			BOTTOM BARS		WEB BARS	STIRRUPS	
	BxD	CONT.	EXTRA (EXTERIOR)	EXTRA (INTERIOR)	CONT.	EXTRA		ENDS	REST
2GB1	14 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
2GB2	14 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
2GB3	14 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
2GB4	14 x 30	4 #8	4 #8	4 #8	4 #8	4 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
2GB5	16 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
2GB6 (W/ LEDGE)	14 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
2FB1	12 x 24	4 #6	2 #6	2 #6	4 #6	2 #6	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
2FB2	12 x 24	4 #6	-	-	4 #6	-	1 #6 EA. FACE	#3 @ 2" O.C.	#3 @ 8" O.C.
2FB3	8 x 20	3# 6	-	-	3 #6	-	1 #6 EA. FACE	#3 @ 2" O.C.	#3 @ 8" O.C.
2CB1	12 X 24	4 #6	2 #6	2 #6	4 #6	2 #6	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
3GB1	14 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
3GB2	14 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
3GB3	14 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
3GB4	14 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
3GB5	16 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
3GB6	14 x 30	4 #8	2 #8	2 #8	4 #8	2 #8	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
3FB1	12 x 24	4 #6	2 #6	2 #6	4 #6	2 #6	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
3FB2	12 x 24	4 #6	-	-	4 #6	-	1 #6 EA. FACE	#3 @ 2" O.C.	#3 @ 8" O.C.
3FB3	8 x 20	3# 6	-	-	3 #6	-	1 #6 EA. FACE	#3 @ 2" O.C.	#3 @ 8" O.C.
3CB1	12 X 24	4 #6	2 #6	2 #6	4 #6	2 #6	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 6" O.C.
TB1	16 X 36	3 #6	-	-	3 #6	-	-	#4 @ 2" O.C.	#4 @ 8" O.C.
TB2	24 X 36	3 #8	-	-	3 #8	-	2 #6 EA. FACE	#4 @ 2" O.C.	#4 @ 8" O.C.

3 S403 SCHEDULE OF BEAMS

NTS

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

PERMIT SET

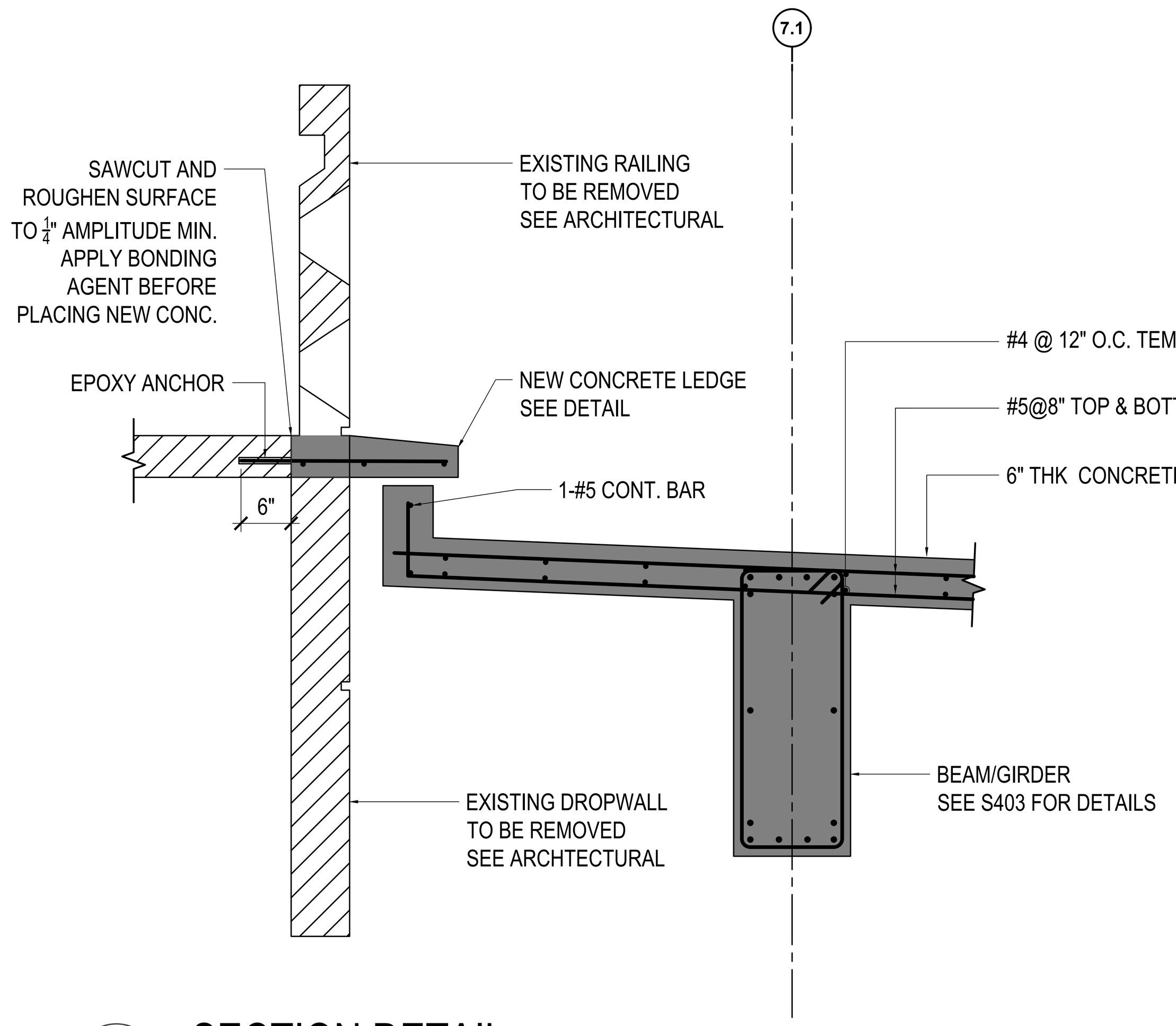
MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

PROJECT TITLE:
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY
SHEET TITLE: TYPICAL BEAM DETAILS AND SCHEDULES

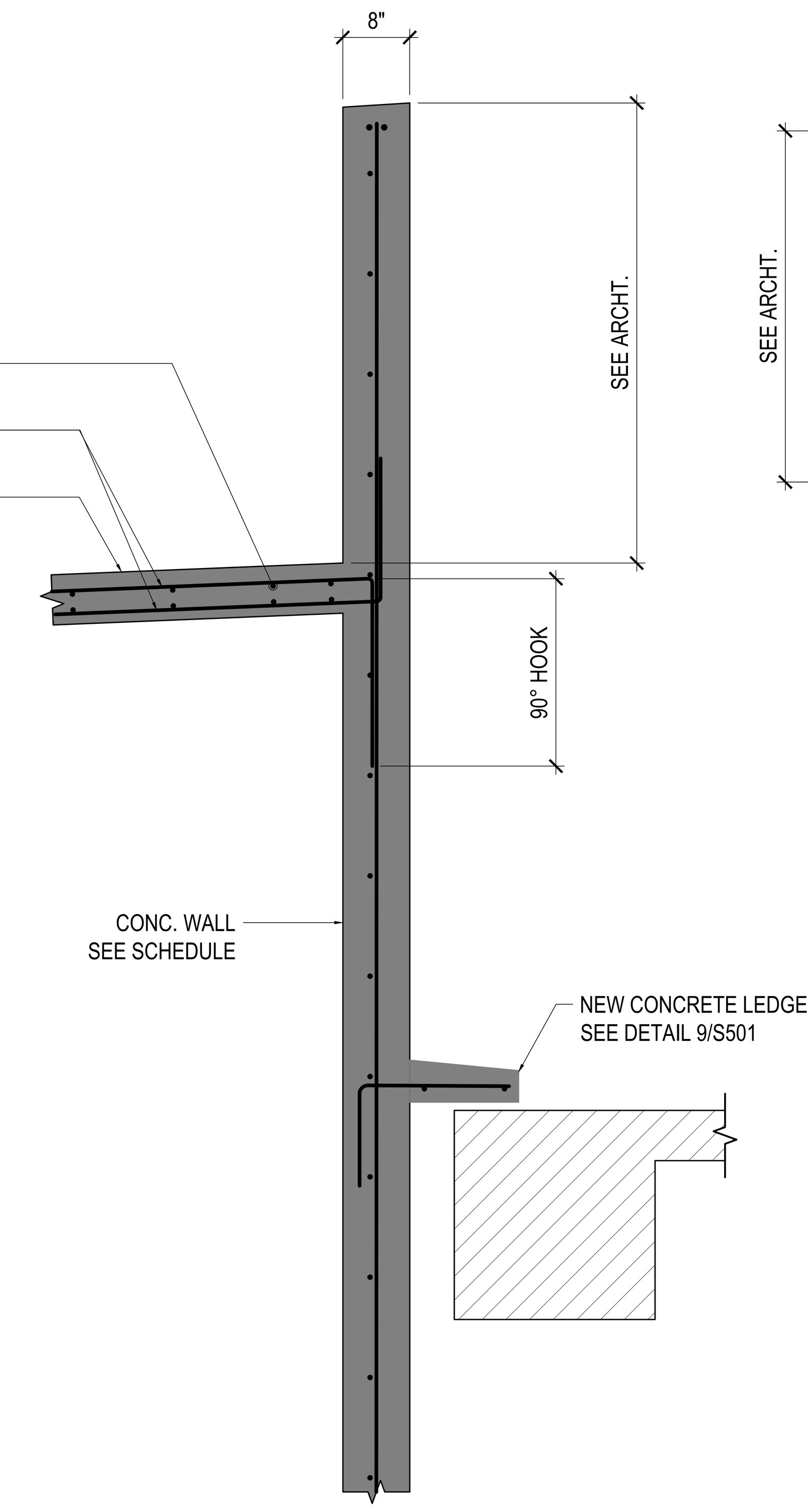
MARK	DATE	DESCRIPTION

DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

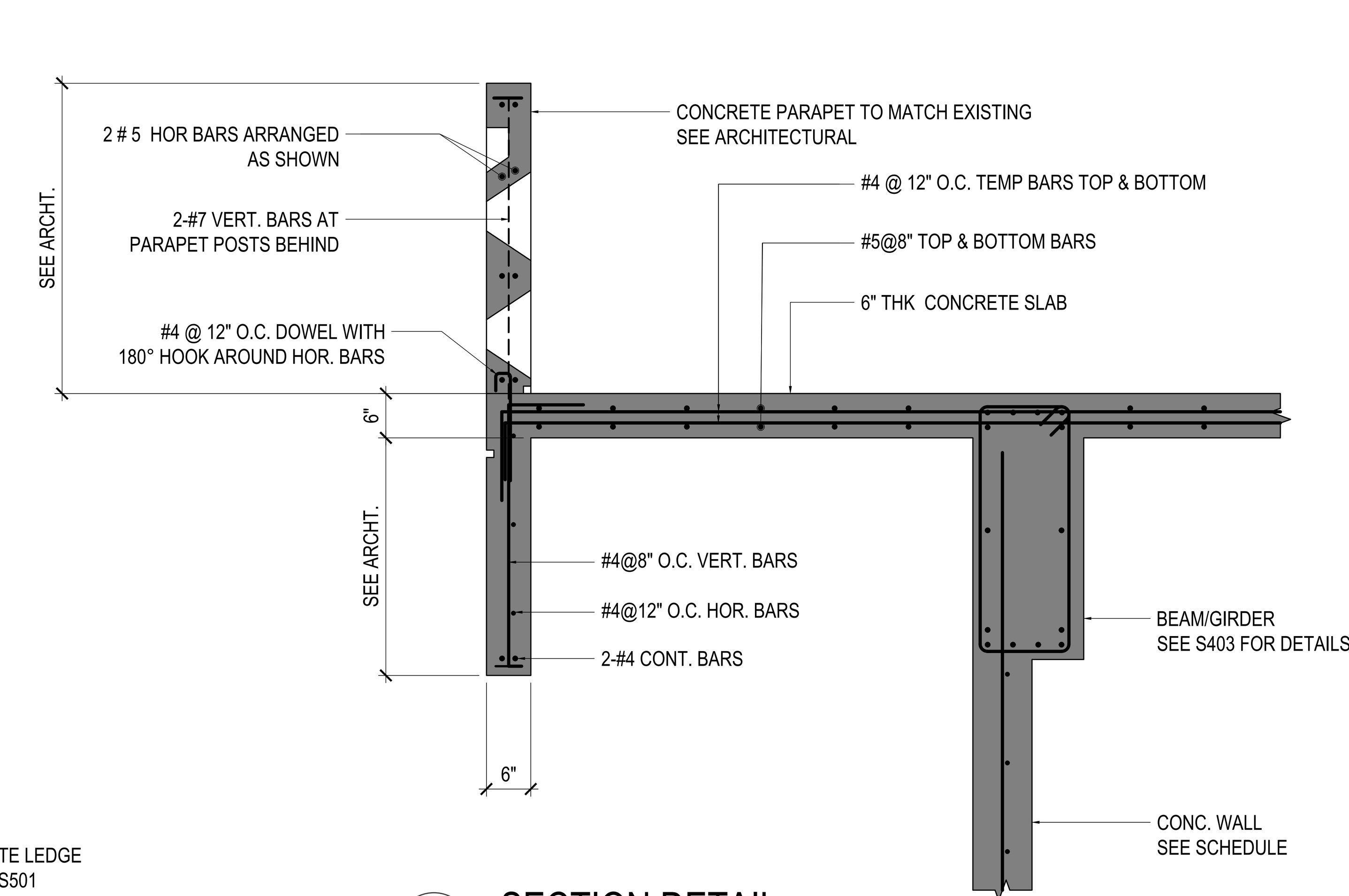
DWG NO: S403



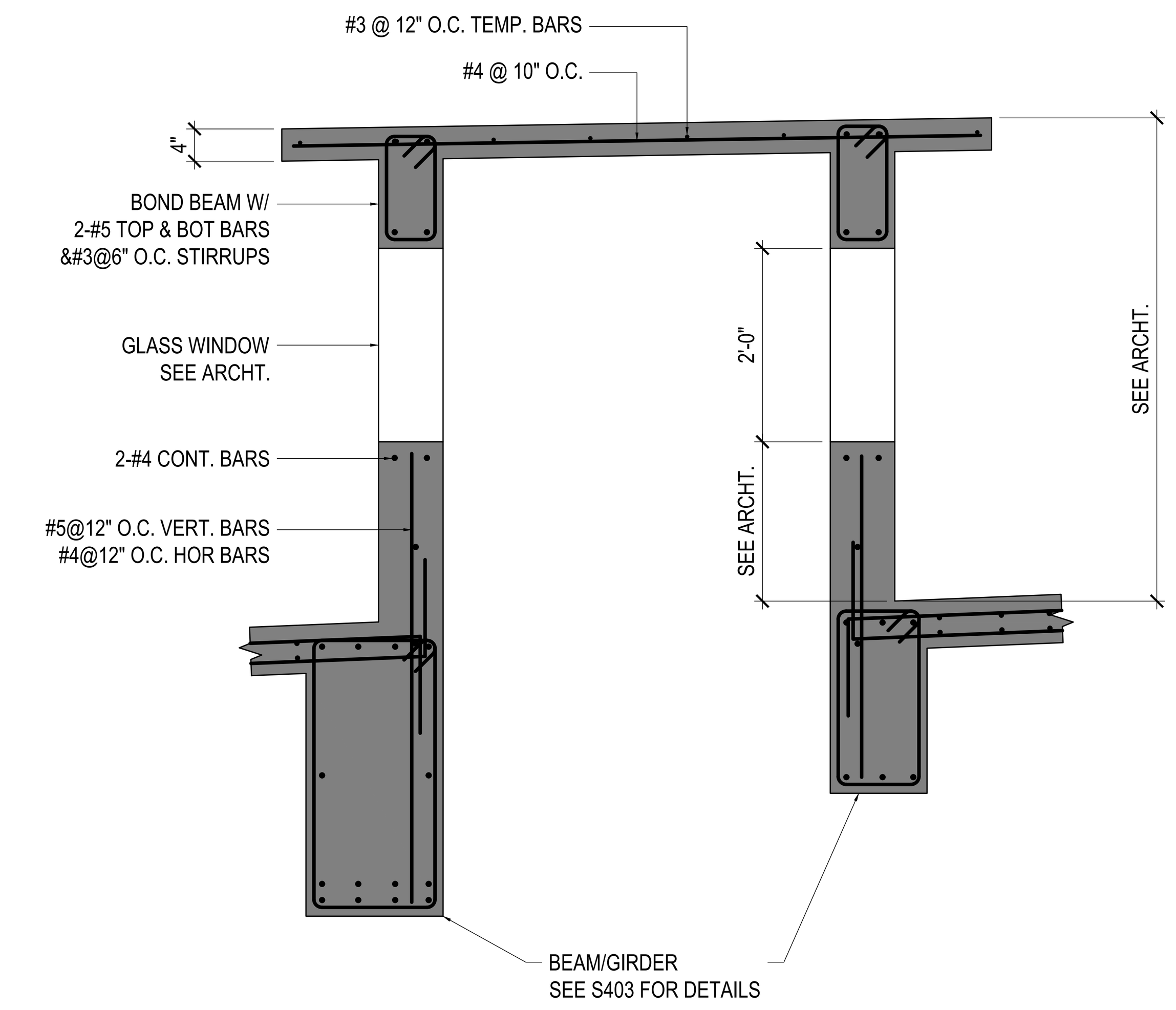
1 SECTION DETAIL
S501 3/4" = 1'-0"
0" 6" 1' 2'



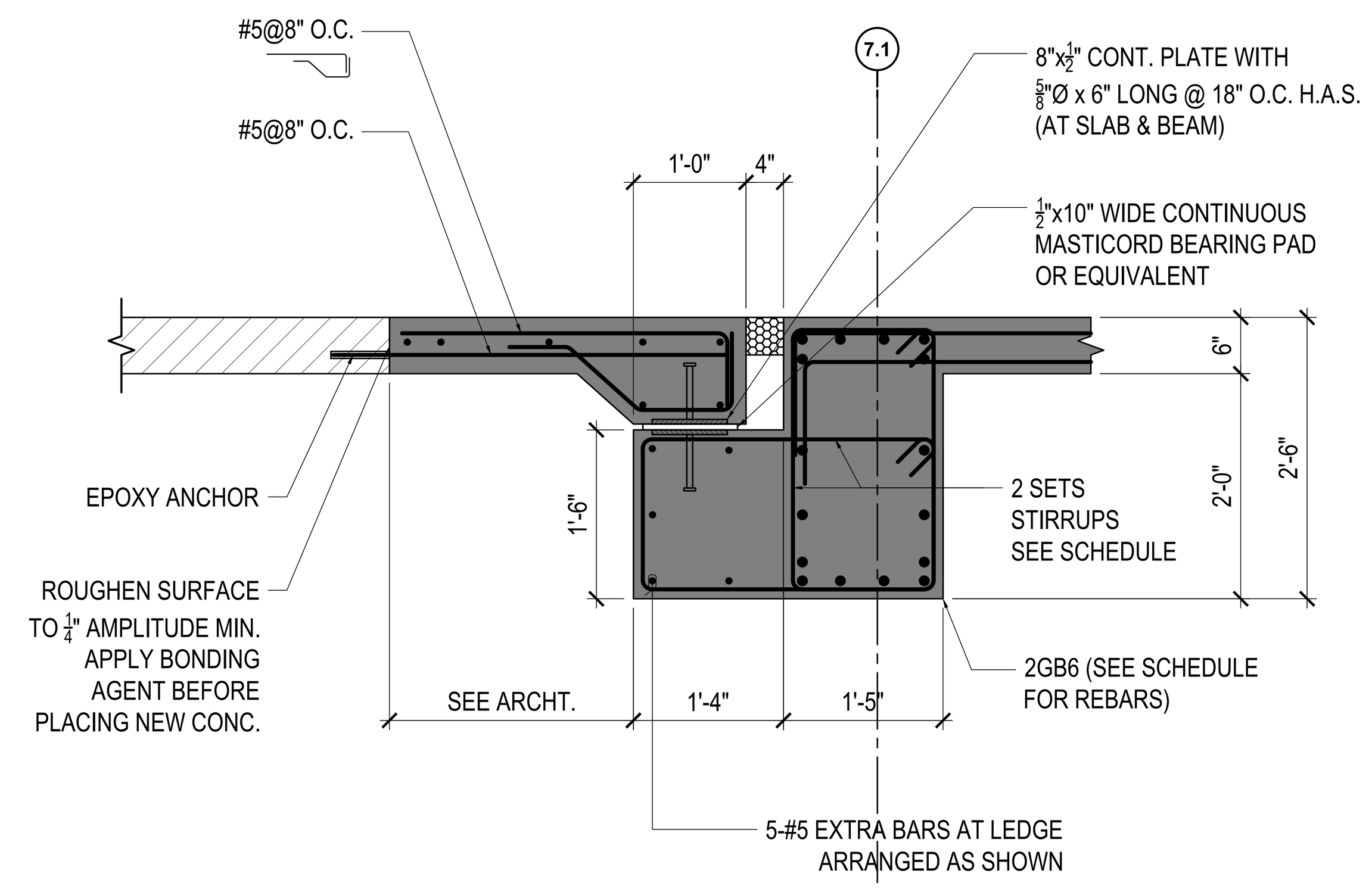
2 SECTION DETAIL
S501 3/4" = 1'-0"
0" 6" 1' 2'



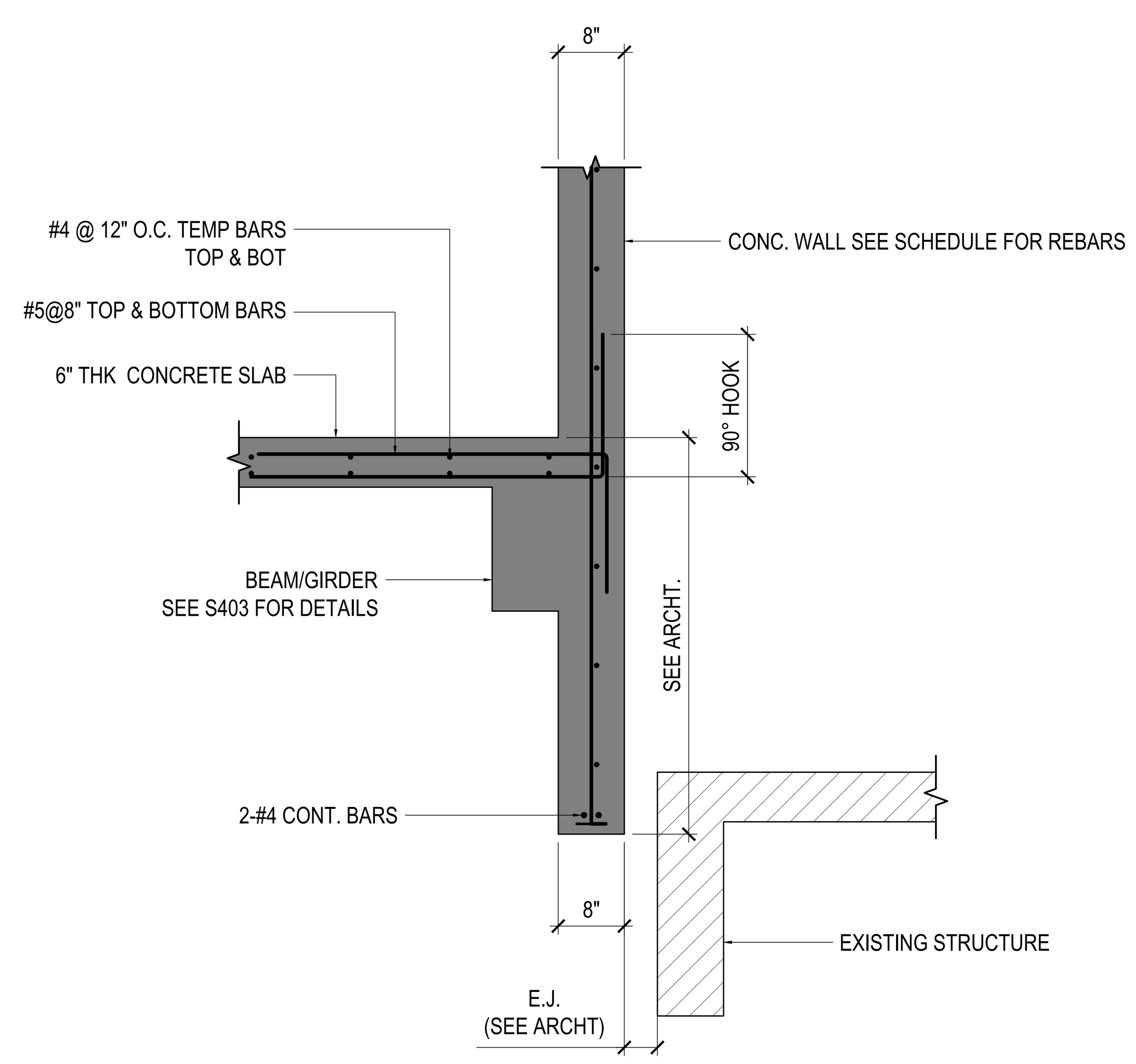
3 SECTION DETAIL
S501 3/4" = 1'-0"
0" 6" 1' 2'



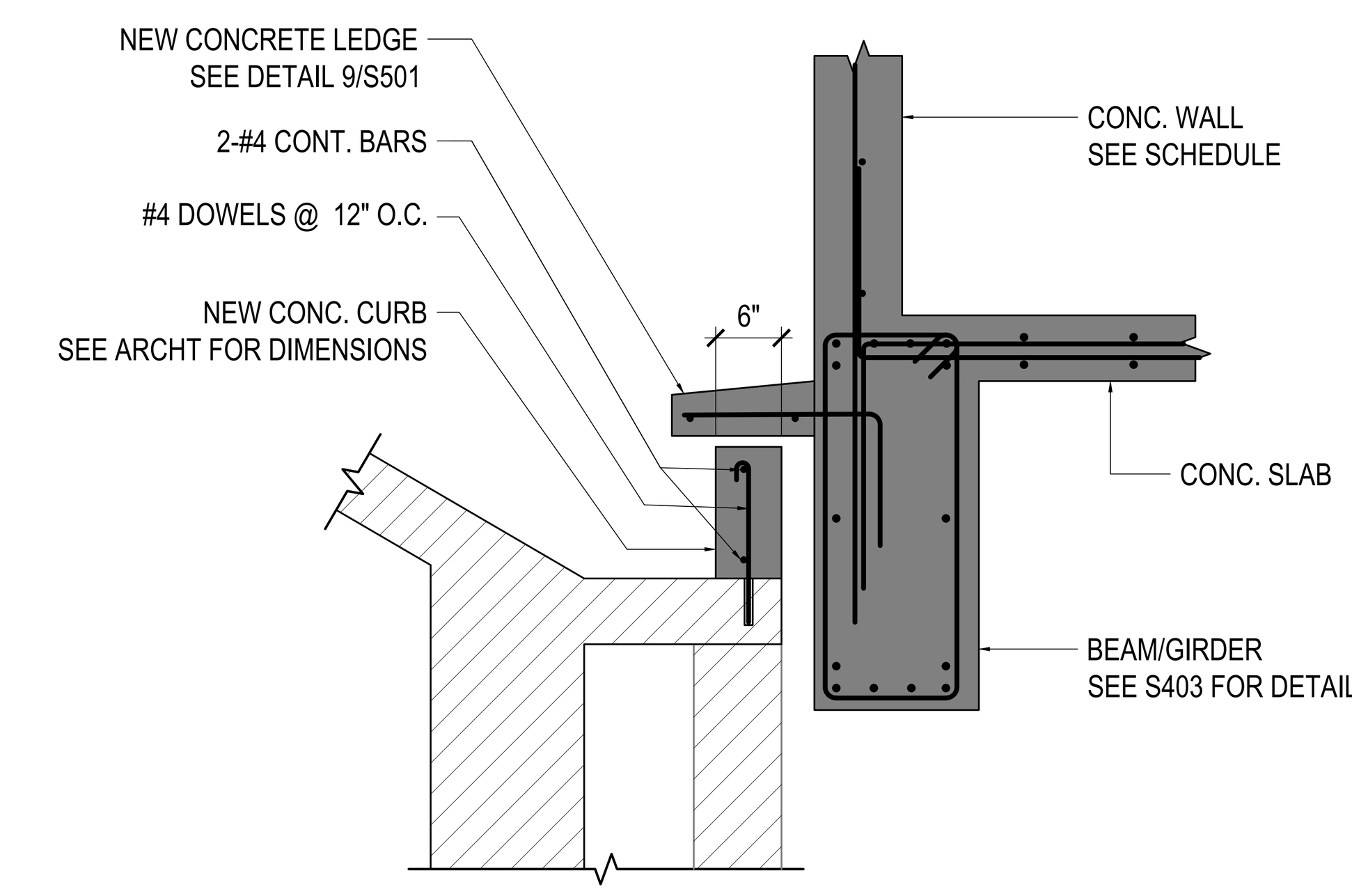
4 SECTION DETAIL
S501 3/4" = 1'-0"
0" 6" 1' 2'



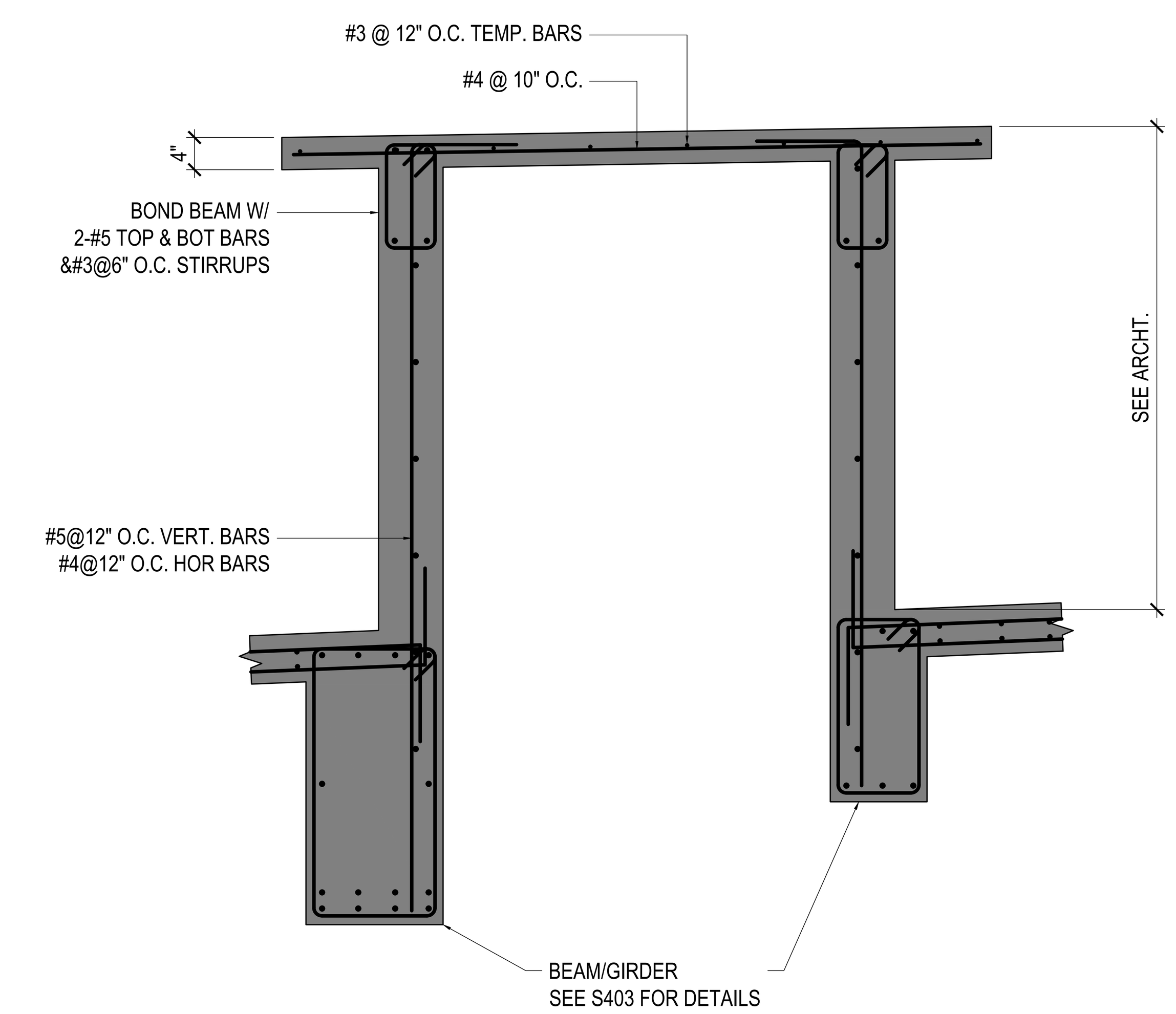
5 SECTION DETAIL
S501 3/4" = 1'-0"
0" 6" 1' 2'



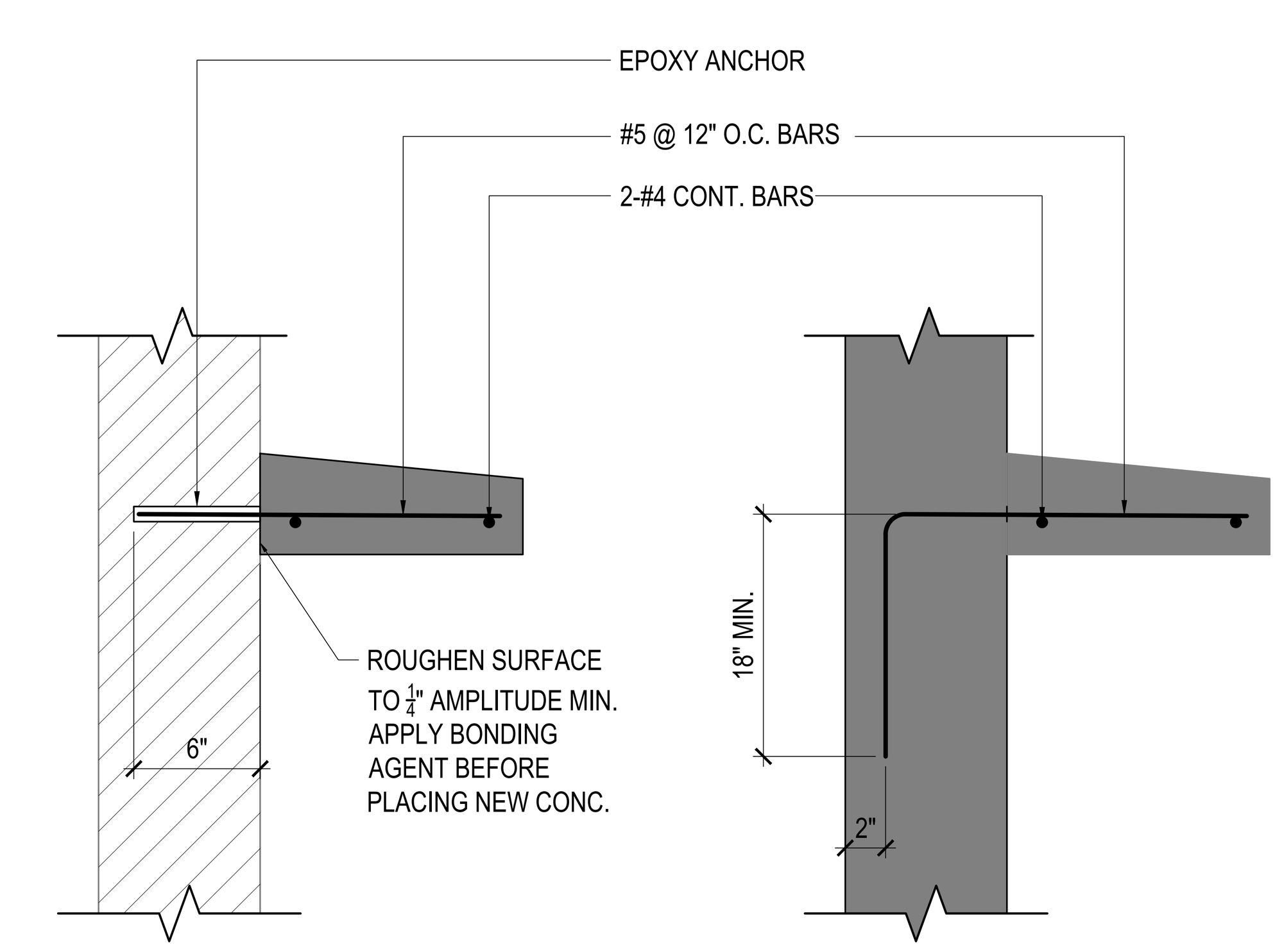
6 SECTION DETAIL
S501 3/4" = 1'-0"
0" 6" 1' 2'



7 SECTION DETAIL
S501 3/4" = 1'-0"
0" 6" 1' 2'



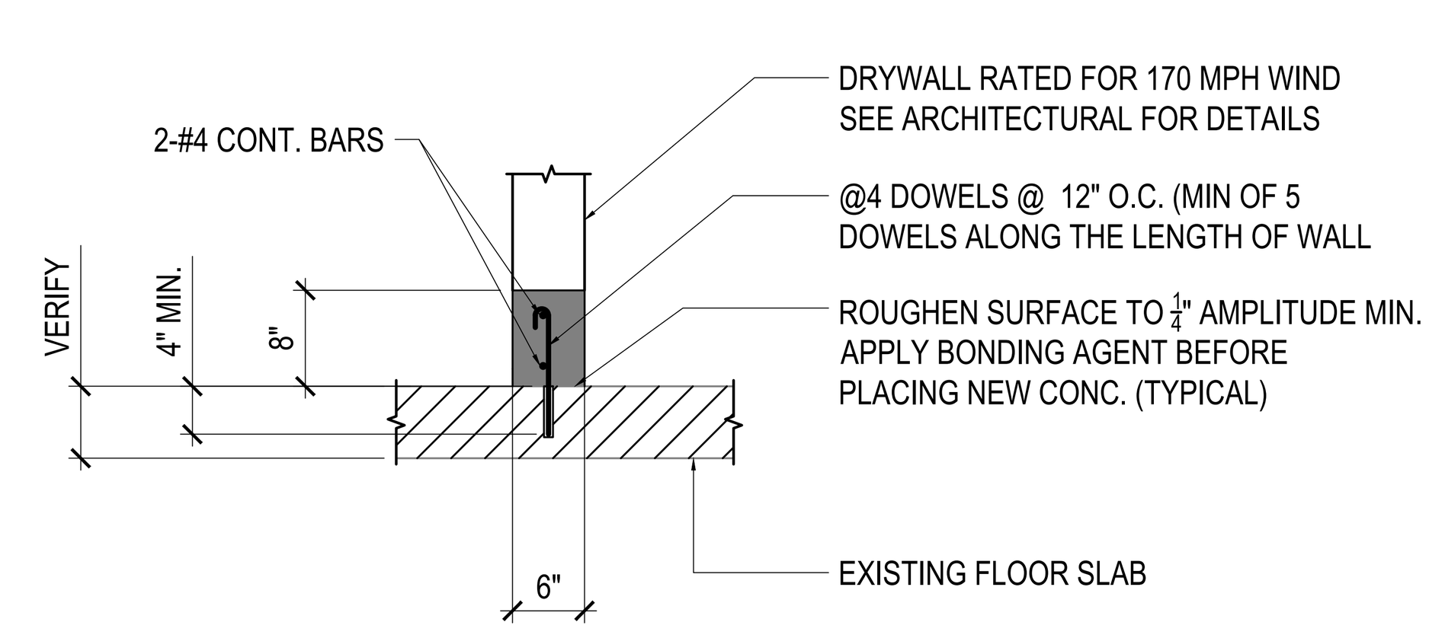
8 SECTION DETAIL
S501 3/4" = 1'-0"
0" 6" 1' 2'



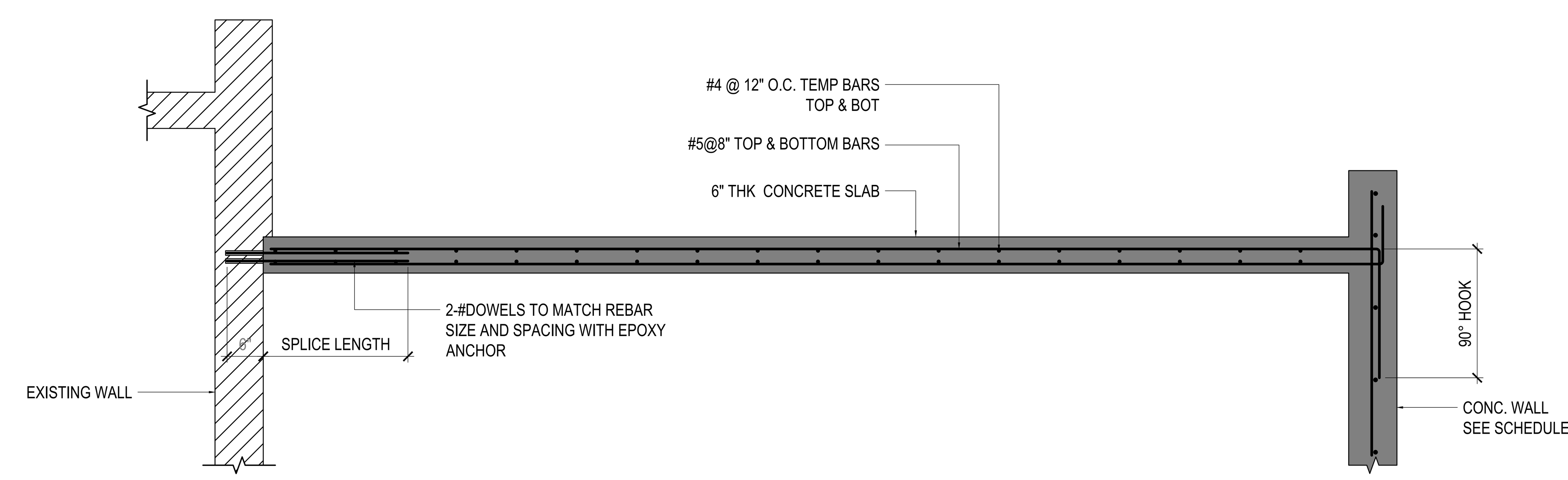
AT EXISTING WALL

AT NEW WALL

9 CONCRETE LEDGE DETAIL
S501 3/4" = 1'-0"
0" 6" 1' 2'



10 CURB DETAIL FOR EXTERIOR DRYWALL INFILL
S501 3/4" = 1'-0"
0" 6" 1' 2'



11 SECTION THRU STAIRCASE ROOF
S501 3/4" = 1'-0"
0" 6" 1' 2'

RIM ARCHITECTS
GUAM CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE SUITE 300 HAGATNA, GUAM 96910
Phone: 671.477.2111 Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

AQUILINO S. CABRIAS JR. No. 1710 STRUCTURAL EXP. 04/30/25 GUAM PROFESSIONAL ENGINEER

PERMIT SET

PROJECT TITLE: MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

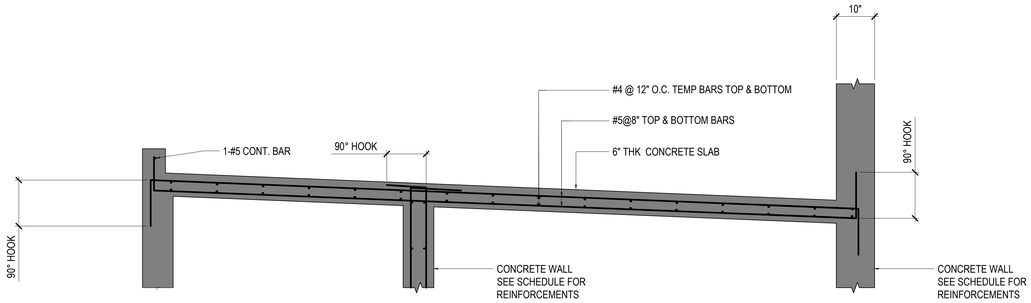
OWNER: GUAM MEMORIAL HOSPITAL AUTHORITY

SHEET TITLE: STRUCTURAL DETAILS

MARK	DATE	DESCRIPTION

DATE :	2024.10.25
PROJECT NO :	144052
DRAWN BY :	ASC
CHECKED BY :	ASC
COPYRIGHT :	

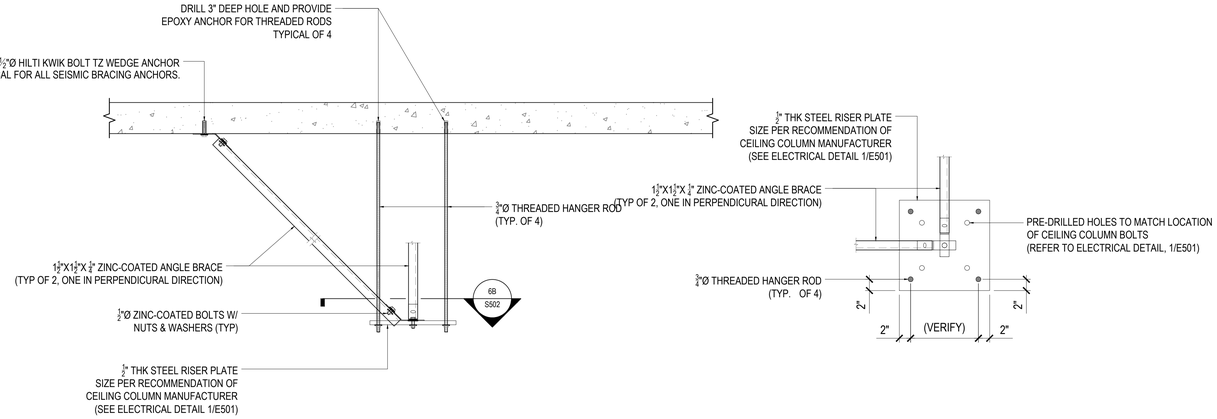
DWG NO:
S501



1 S502 SECTION DETAIL

3/4" = 1'-0"

0" 6" 1' 2'



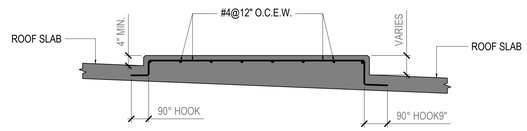
6A S502 ELEVATION VIEW

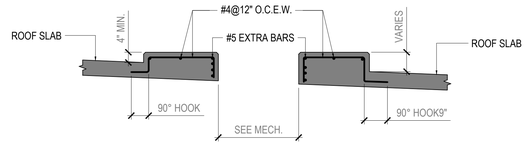
6B S502 PLAN VIEW

6 S502 UTILITY COLUMN ANCHORAGE DETAIL

1" = 1'-0"

0" 6" 1' 2'

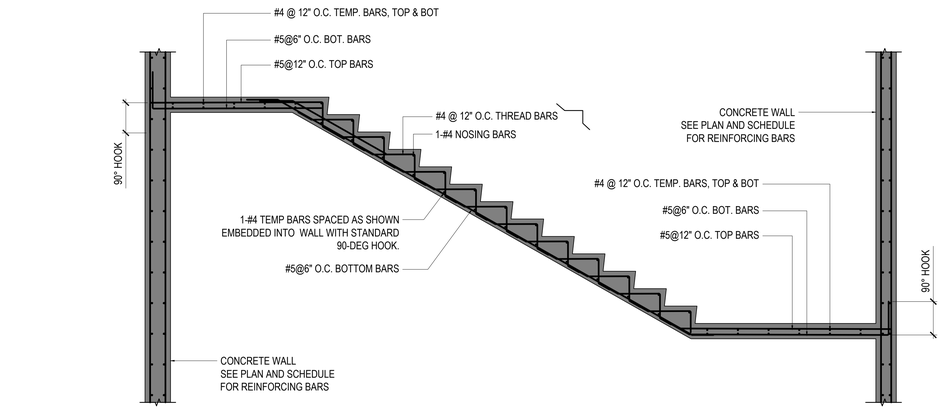




4 S502 SECTION THRU EQUIPMENT PAD

1/2" = 1'-0"

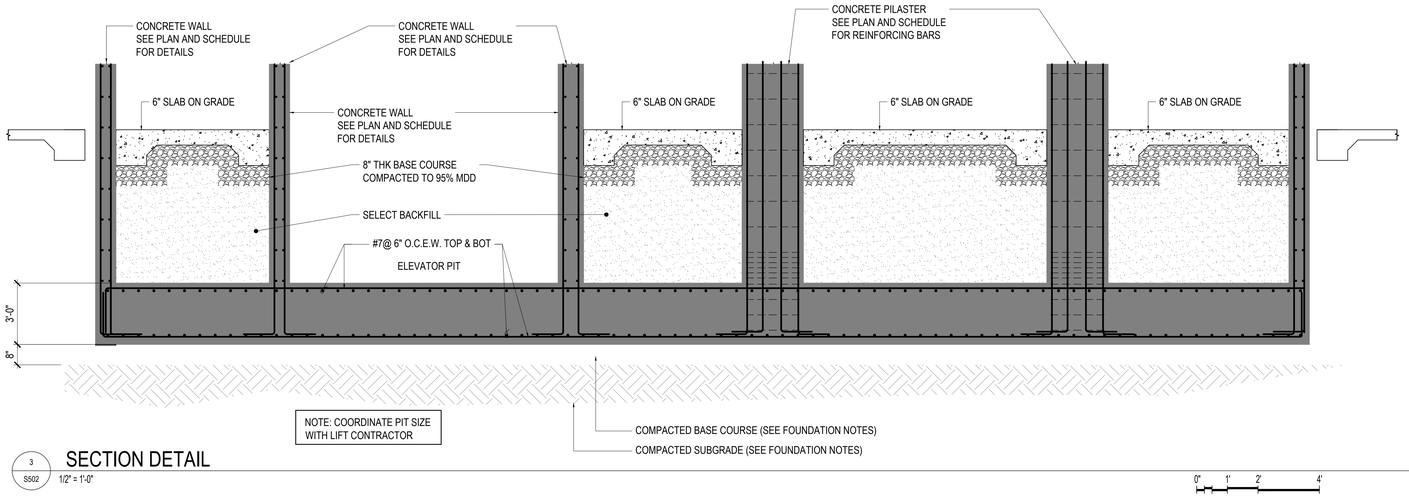
0" 1' 2' 4'



2 S502 SECTION DETAIL

1/2" = 1'-0"

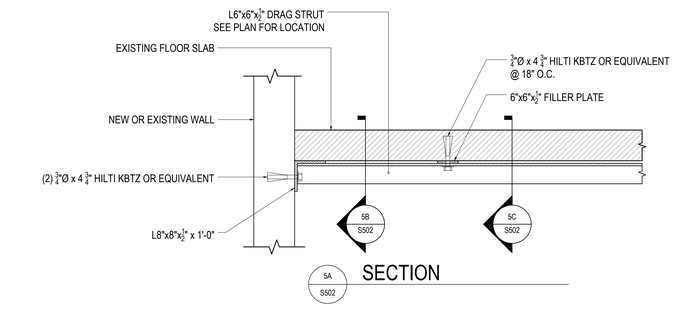
0" 1' 2' 4'



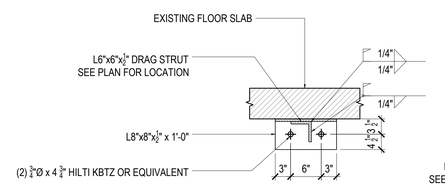
3 S502 SECTION DETAIL

1/2" = 1'-0"

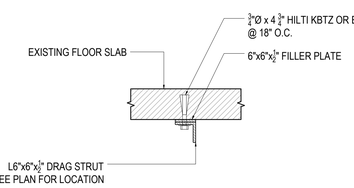
0" 1' 2' 4'



5A S502 SECTION



5B S502 SECTION



5C S502 SECTION

5 S502 ANGLE CONNECTOR DETAIL

1" = 1'-0"

0" 6" 1' 2'

RIM ARCHITECTS
GUAM | CALIFORNIA ALASKA HAWAII
316 HERNAN CORTEZ AVE
SUITE 300
HAGATNA, GUAM 96910
Phone: 671.477.2111
Fax: 671.477.2125
www.rimarchitects.com

ASC Engineers, Inc.
Civil & Structural Engineering | Construction Management

ADALINO S. CABRIAS JR.
No. 1710
STRUCTURAL
EXP. 04/30/25
GUAM
PROFESSIONAL ENGINEER

PERMIT SET

MCH RENOVATION PROJECT, GMHA 007-2014
GMHA FAMILY BIRTH CENTER
850 GOVERNOR CAMACHO ROAD, OKA, TAMUNING, GUAM 96913

PROJECT TITLE: GUAM MEMORIAL HOSPITAL AUTHORITY
OWNER:
SHEET TITLE: STRUCTURAL DETAILS

MARK	DATE	DESCRIPTION
DATE	:	2024.10.25
PROJECT NO	:	144052
DRAWN BY	:	ASC
CHECKED BY	:	ASC
COPYRIGHT	:	

DWG NO: S502