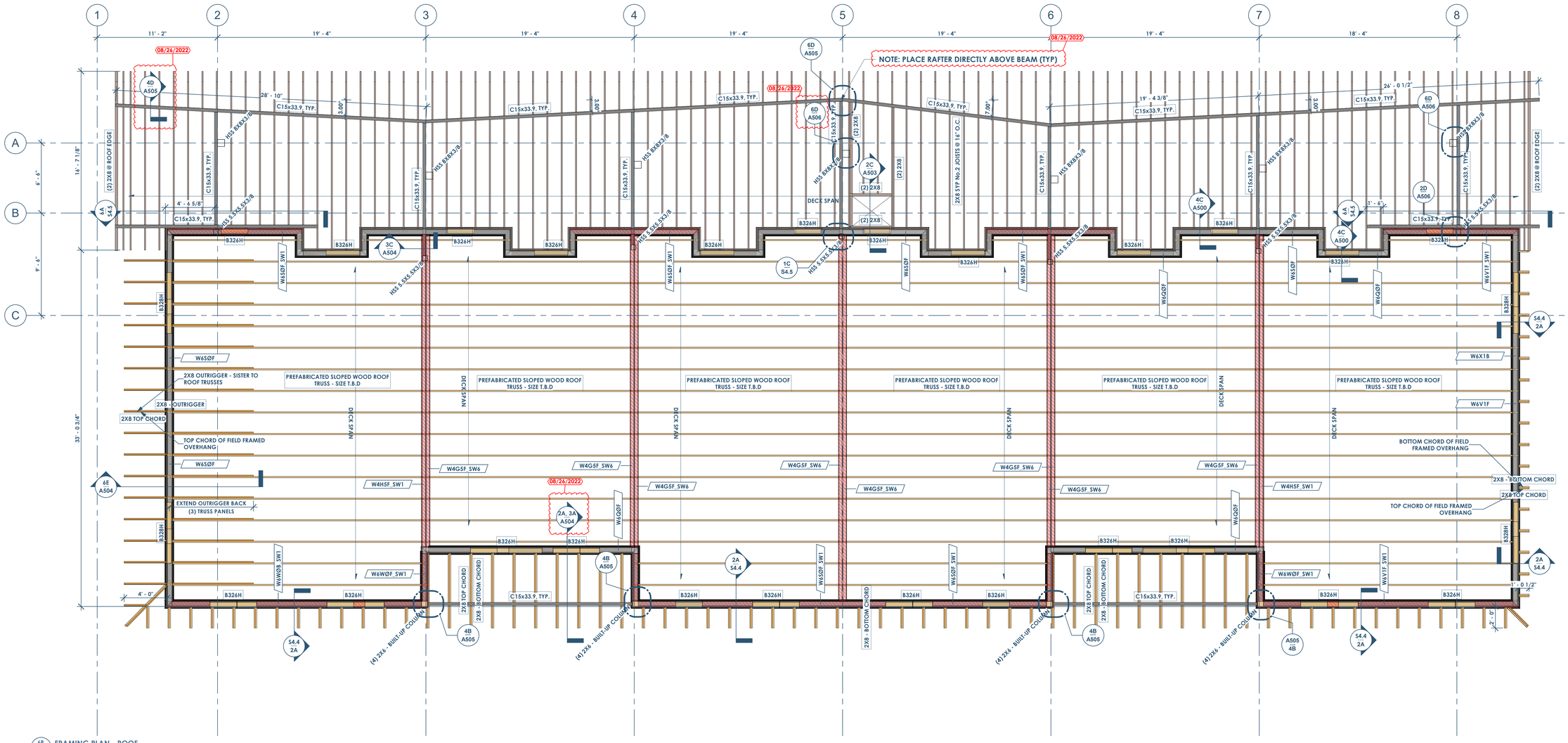
FOR CONSTRUCTION



6B S0.4 FRAMING PLAN - ROOF
1/4" = 1'-0"

SHEAR WALL SCHEDULE					
SHEAR WALL TYPE	SHEATHING TYPE	PANEL EDGE NAILING	FIELD NAILING	ANCHORAGE	ALLOWABLE WIND SHEAR CAPACITY
SW1	7/16" WSP	6"	12"	(5/8" Ø @ 40" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	335 PLF
SW2	7/16" WSP	4"	12"	(5/8" Ø @ 32" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 3" OC - AT WOOD)	490 PLF
SW3	7/16" WSP	3"	12"	(5/8" Ø @24" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 2" OC - AT WOOD)	630 PLF
SW4	15/32" WSP	3"	12"	(5/8" Ø @24" O.C. - AT CONCRETE) - (0.148" X 3" LONG NAILS @ 2" OC - AT WOOD)	840 PLF
SW5	15/32" WSP	2"	12"	(5/8" Ø @24" O.C. - AT CONCRETE) - (0.148" X 3" LONG NAILS @ 2" OC - AT WOOD)	991 PLF
SW6	5/8" GYP WALLBOARD	7"	12"	(5/8" Ø @ 48" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 12" OC - AT WOOD)	115 PLF
SW7	5/8" GYP WALLBOARD	4"	12"	(5/8" Ø @ 48" O.C. - AT CONCRETE) - (0.131" X 3" LONG NAILS @ 12" OC - AT WOOD)	145 PLF

SHEAR WALL NOTES:
1. ALL FASTENERS FOR WOOD STRUCTURAL PANEL SHALL BE FLAT HEAD NAILS CONSISTING OF THE FOLLOWING UNO:
   A. 0.131"Ø X 2½" LONG
   B. 0.148"Ø X 3" LONG
2. FASTENERS FOR GYPSUM WALLBOARD SHALL BE ONE OF THE FOLLOWING:
   A. 6d COOLER NAILS (0.092" X 1 7/8" LONG, 1/4" HEAD)
   B. WALLBOARD NAIL (0.0915" x 1 7/8" LONG, 19/64" HEAD)
   C. 0.120" NAIL x 1-3/4" LONG, MIN 3/8" HEAD
   D. NO.6 TYPE S OR W DRYWALL SCREWS 1-1/4" LONG
3. ANCHORS INTO CONCRETE SHALL EITHER BE CAST-IN-PLACE J-BOLTS OR ADHESIVE ANCHORS WITH A MINIMUM EMBEDMENT OF 8". THE CONTRACTOR SHALL SUBMIT PROPOSED ADHESIVE ANCHOR ASSEMBLY FOR APPROVAL.
4. ALL PANEL EDGES SHALL BE BLOCKED.
5. WSP = WOOD STRUCTURAL PANEL REF GENERAL NOTES FOR SPECIFICATIONS.
6. IF WALL IS SHEATHED ON BOTH SIDES, THEN SILL PLATE ANCHORAGE AND CONNECTION OF BOTTOM PLATE TO TOP PLATE SHALL BE DOUBLED.
7. PANELS MUST BE INSTALLED DIRECTLY TO FRAMING.
8. VALUES CALCULATED ARE FOR SOUTHERN PINE OR DOUGLAS-FIR LARCH FRAMING. CONTACT EOR IF OTHER SPECIES ARE USED.
9. PROVIDE 1/8" WIDE JOINTS IN SHEATHING TO ALLOW FOR SHRINKAGE AND EXPANSION OF THE PANELS.
10. SHEAR WALLS REFERENCED ARE FOR SHEAR WALLS BELOW FLOOR

ROOF FRAMING NOTES:

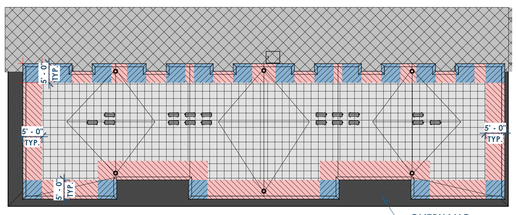
METAL PLATE CONNECTED ROOF TRUSS FRAMING:

- METAL PLATE CONNECTED WOOD TRUSSES SHALL BE SPACED @ 24" OC UNLESS NOTED OTHERWISE. LOADING CRITERIA SHALL BE AS FOLLOWS:
  A. TOP CHORD LIVE LOAD (TCLL): 20 PSF
     a. REF MECHANICAL DRAWINGS FOR RTU'S.
  B. TOP CHORD DEAD LOAD (TCDL): 5 PSF - SINGLE-PLY MEMBRANE ROOF (NOT INCLUDING SELF-WEIGHT)
  C. BOTTOM CHORD LIVE LOAD (BCLL): 10 PSF (NON-CONCURRENT WITH TCLL)
  D. BOTTOM CHORD DEAD LOAD (BCDL): 5 PSF
  E. TOP CHORD WIND LOAD: REF COMPONENTS AND CLADDING SCHEDULE
- TRUSS DEFLECTION LIMITS: TRUSSES SHALL BE LIMITED TO THE FOLLOWING DEFLETION LIMITS:
  A. PITCHED ROOF TRUSS : LIVE LOAD (L/240) TOTAL LOAD (L/180)
  B. SHALLOW (< = 4 : 12) PITCHED ROOF TRUSSES : LIVE LOAD (L/360) TOTAL LOAD (L/240)
  C. PITCHED ROOF TRUSS: 1.00 X DEFLECTION FROM ACTUAL DEAD LOAD.
- DRAG TRUSSES SHALL BE PROVIDED DIRECTLY OVER INTERIOR SHEAR WALLS AND SHALL BE DESIGNED FOR A TOTAL FORCE EQUAL TO THE LENGTH OF THE SHEAR WALL MULTIPLED BY THE ALLOWABLE SHEAR VALUE PROVIDED IN THE SHEAR WALL SCHEDULE FOR THAT SHEAR WALL TYPE.
- TRUSS RESTRAINT/BRACING METHODS SHALL BE IN ACCORDANCE WITH BCSI-B3 UNLESS NOTED OTHERWISE.

ROOF DECKING NOTES:
1. ROOF DECKING SHALL BE 3/4" APA RATED SHEATHING (SPAN RATING 48/24).
2. PANELS SHALL SPAN 3 MORE RAFTERS IN THE ,ONG DIMENSION.
3. PANEL CLIPS:
   A. SINGLE-PLY OR MODIFIED BITUMEN ROOFING SYSTEMS:
      a. LOW SLOPE ROOF (LESS THAN OR EQUAL TO 2:12)
         • DECKING SHALL HAVE PANEL EDGE CLIPS (H-CLIPS) LOCATED MIDWAY BETWEEN EACH SUPPORT.
      b. SLOPE GREATER THAN 2:12
         • DECKING SHALL HAVE PANEL EDGE CLIPS (H-CLIPS) LOCATED MIDWAY BETWEEN EACH SUPPORT FOR ANY SPAN GREATER THAN 12.2" O.C.
   B. ANY OTHER TYPE OF ROOFING SYSTEM
      a. DECKING SHALL HAVE PANEL EDGE CLIPS (H-CLIPS) LOCATED MIDWAY BETWEEN EACH SUPPORT.

ROOF DECKING FASTENING		
ZONE	PANE EDGE / BOUNDARY	FIELD
ZONE 1	@ 6" O.C. MAX	@ 12" O.C. MAX
ZONE 2	@ 6" O.C. MAX	@ 6" O.C. MAX
ZONE 3	@ 4" O.C. MAX	@ 6" O.C. MAX
ZONE 3 OVERHANG	@ 3" O.C. MAX	@ 6" O.C. MAX

ROOF DECKING FASTENING NOTES:
- ALL NAILS SHALL BE 0.131"Ø X 2½" RING SHANK NAILS.
- REFERENCE THE COMPONENTS AND CLADDING WIND PRESSURE MAP ON THE
- GENERAL NOTES FOR ZONE LOCATIONS.
- EDGE SPACING ALSO APPLIES OVER THE TOP OF SHEARWALLS.



4A S0.4 FLOOR PLAN - ROOF WIND ZONE
1/16" = 1'-0"

ROOF WIND ZONE LEGEND
- CORNER
- EDGE
- INTERIOR
- OVER HANG

BEAM SCHEDULE				
BEAM TAG	BEAM SIZE	STUD PACK - NUMBER OF STUDS	FACE-MOUNT HANGER	TOP-FLANGE HANGER
B326H	(3)2X6	2	LUS26-2	HU26-2TF
B328H	(3)-2X8	2	LUS26-3	HUS48TF
B3212H	(3)-2X12	3	HU210-3	HU212-3TF
B411	GL - 3 1/2" X 11 1/4"	3	HHUS410	HB3.56/11.25

BEAM LEGEND NOTES:
1. 'H' INDICATES MULTIPLE PLY DIMENSIONAL LUMBER BEAMS W/ 1/2" PLYWOOD SHEATHING. SEE 2A/S4.0
2. FOR KING AND JACK STUD REQUIREMENTS FOR EXTERIOR HEADERS REFER TO DETAIL 4C/S4.1
3. FOR KING AND JACK STUD REQUIREMENTS IN INTERIOR HEADERS REFER TO DETAIL 5B/S4.1
4. GL - GLULAM BEAMS SHALL BE ANTHONY POWER BEAM GLUE LAMINATED BEAMS OR APPROVED EQUAL.
5. STUD PACKS ARE REQUIRED WHEN BEAM IS BEARING ON A WALL ASSEMBLY. STUD PACKS MUST CONTINUE ALL THE WAY TO THE FOUNDATION UNLESS TRANSFERRED BY A BEAM.
6. ALL STUDS IN STUD PACK SHALL BE NO.2 SOUTHER PINE OR BETTER.
7. SHEATHING AND/OR DRYWALL MUST BE ATTACHED TO EACH INDIVIDUAL STUD IN THE STUD PACK.
8. ALL STUDS IN STUD PACK MUST BE FASTENED PER MECHANICALLY LAMINATED BUILT-UP COLUMN-NAILED - REFER TO 6A/S4.1

WALL STUD SCHEDULE				
TOP OF WALL	MAX PLATE HT	EXTERIOR WALL	INTERIOR NON-LOAD BEARING	PARTY WALL
ROOF	8' - 11 5/8"	2X6 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 16" O.C.
3RD	10' - 8"	2X6 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 12" O.C.
2ND	10' - 9 5/8"	2X6 NO.2 @ 16" O.C.	2X4 STUD @ 16" O.C.	2X4 STUD @ 8" O.C.

RENOVATION Wranglers
Owner: Renovation Wranglers
102 E 26th St
Bryan, TX 77803
Katieneason@me.com | 979.450.9969

LKB ARCHITECTURE
Architect of Record: LKB Architecture
2929 Allen Pkwy Suite 200
Houston, TX 77019
lisa@lkbarchitecture.com | 713.425.3076

DUDLEY
Structural: Dudley
Firm# 18677
6102 Imperial Loop Drive
College Station, TX 77845
oorieka@dudleyeng.com | (979) 777-0720

AMC ENGINEERS
MEP: AMC Engineers
Texas Firm #9441
508 E Jackson St # 552
Burnet, TX 78611
info@amcengineers.com | 512.535.6427

openingdesign
Architect: OpeningDesign
17 S Fairchild | FL 7
Madison, WI 53703
ryan@openingdesign.com | 773.425.6456

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Date	Description
06/10/2022	Issued for Permit
08/26/2022	Permit Revisions

FRAMING PLAN - ROOF

MARCO POLO - 101 W 33RD STREET - CITY OF BRYAN TOWNSITE, BLOCK 96, LOT 3-5 & PT OF 6 & PT OF ALLEY - BRYAN, TX 77803

S0.4

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