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615 320 1735

Project No. 24051.00



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## MED SURG & DIETARY EXPANSION

HCA - LEE'S SUMMIT MEDICAL CENTER  
2100 SE BLUE PKWY  
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:  
CITY OF LEE'S SUMMIT BUILDING DEPT.  
MISSOURI DHSS

FACILITY NUMBER:  
0972400009

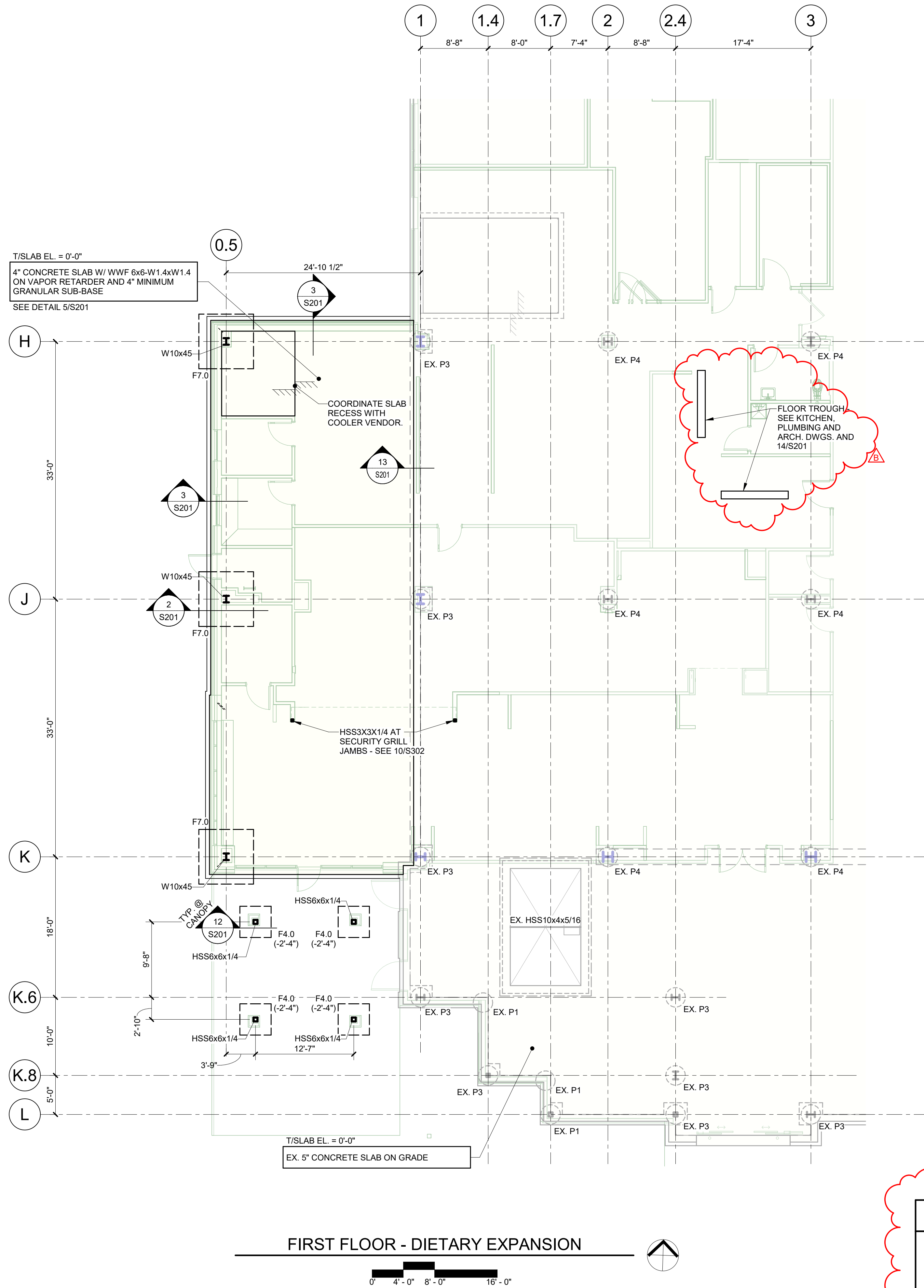
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B	DESIGN COORDINATION	2025/02/06

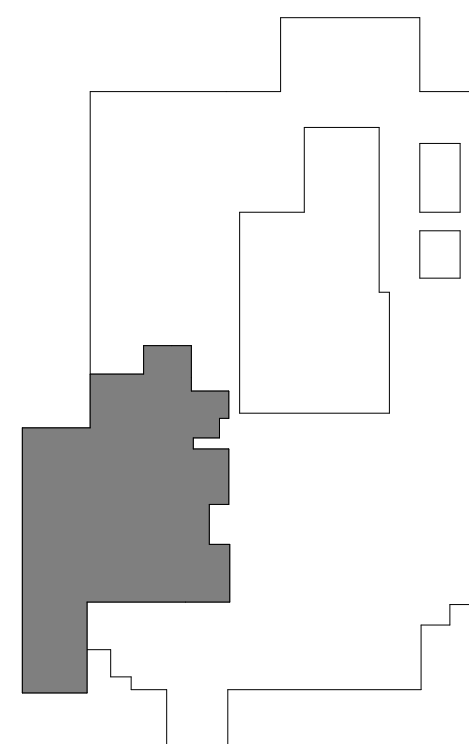
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DRAWN: JL  
REVIEWED: JDP  
JOB NUMBER: 6406.24

### LEVEL 1 FOUNDATION PLAN

S121



#### KEY PLAN



#### SHEET NOTES:

- REFERENCE ELEVATION 0'-0" = 1006.23' (REFER TO CIVIL DRAWINGS).
- TOP OF FOUNDATION ELEVATIONS ARE 2'-0" BELOW FINISHED FLOOR ELEVATION UNLESS NOTED OTHERWISE.
- FOUNDATION ELEMENTS ARE CENTERED UNDER COLUMNS UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS.
- COORDINATE ALL SLAB DEPRESSIONS WITH MEP AND ARCHITECTURAL DRAWINGS.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND EXTENTS OF NON-LOAD BEARING CMU WALLS. COORDINATE WITH STRUCTURAL DETAILS.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS RELATED TO THE NEW STRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION. NOTIFY ARCHITECT/STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
- SHEET AND TYPICAL DETAIL REFERENCES:  
S0 SERIES STRUCTURAL NOTES  
1/S201 FOOTING SCHEDULE  
S201 SLAB ON GROUND  
S401 STAIRS  
S501 GRAVITY COLUMNS  
S601 MOMENT FRAMES  
10. X/SX.XX TOPPING SLAB & HOUSEKEEPING PADS  
MARK AND LEGEND KEY:  
F# # FOOTING  
T# # TOPPING SLAB, HOUSEKEEPING PAD, OR CURB

Autodesk Docs/6406.24 - HCA - Lee's Summit Medical Center (LSMC)\_rv23/2405100-Lee's Summit\_MC\_Med\_Surg\_Bldg\_Expansion\_S0121.rvt 2/2/2025 5:09:36 PM



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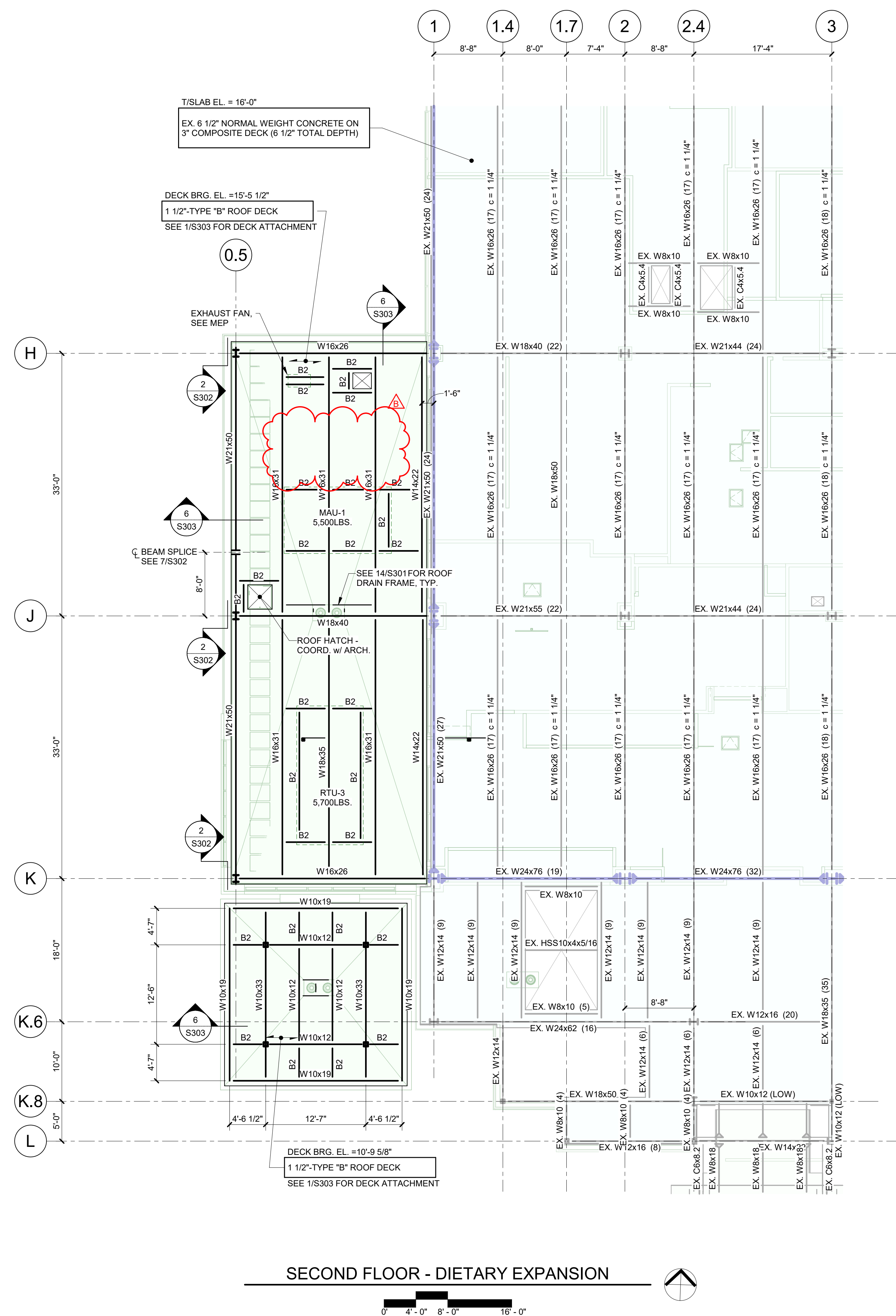
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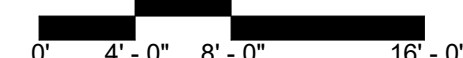
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## LEVEL 2 FRAMING PLAN

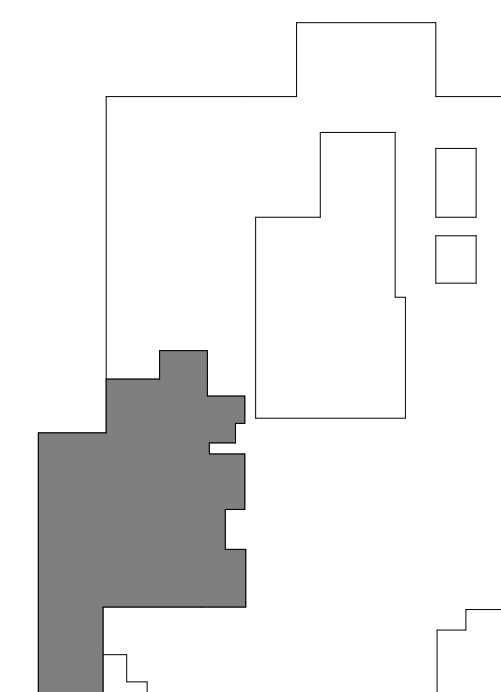
S122



## SECOND FLOOR - DIETARY EXPANSION



## KEY PLAN



**SHEET NOTES:**

1. ALL BEAMS SHALL BE SPACED EQUALLY IN COLUMN BAYS, UNLESS NOTED OTHERWISE.
2. LOCATION OF SLABRANT LATE IS LOCATED 6" OFF OF BEAM CENTERLINES AT INTERIOR OPENINGS, UNLESS NOTED OTHERWISE.
3. REFER TO FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT TO BE COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS, SLAB SLOPE AND EDGE OF SLAB DIMENSIONS.
6. COORDINATE ALL SLAB DIMENSIONS AND DEPRESSIONS WITH MFR AND ARCHITECTURAL DRAWINGS.
7. WEIGHTS TO BE CARRIED BY STRUCTURAL EQUIPMENT ARE MAXIMUMS NOT STRUCTURAL ENGINEER ACTUAL WEIGHTS EXCEED THE VALUES GIVEN.
8. COORDINATE THE LOCATION OF FRAMING SUPPORTING MECHANICAL EQUIPMENT WITH THE EQUIPMENT SUPPLIER. NOTIFY STRUCTURAL ENGINEER IF EQUIPMENT SUPPORT REQUIREMENTS EXCEED WHAT IS AVAILABLE FOR THE MECHANICAL EQUIPMENTS.
9. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS RELATED TO THE NEW STRUCTURE PRIOR TO ERECTION AND CONSTRUCTION.
10. SHEET AND TYPICAL DETAIL REFERENCES:
  - 5100 SERIES STRUCTURAL NOTES
  - 5307 WELD THROUGH MOMENT CONNECTIONS
  - 5307 COMPOSITE SLABS
  - 5307 FRAMING SECTIONS AND DETAILS
  - 5307 ROOF FRAMING SECTIONS AND DETAILS
  - 5301 STAIRS
  - 5301 GRAVITY COLUMN DETAILS
  - 5301 MOMENT FRAMES
  - 53502 TOPPING SLAB & HOUSEKEEPING PADS
  - 53503 WALLS AND LEGEND KEY
11. WELD THROUGH MOMENT CONNECTION TOPPING SLAB, HOUSEKEEPING PAD, OR CURB BARRIERS.
12. ULTIMATE LRFD REACTIONS FOR STEEL BEAMS SUPPORTING NON-COMBUSTIBLE DECK SHALL AS FOLLOWS, UNLESS NOTED OTHERWISE.

SIZE	REACTION	SIZE	REACTION	SIZE	REACTION
W8	12 KIPS	W16	30 KIPS	W24	48 KIPS
W10	12 KIPS	W18	30 KIPS	W27	66 KIPS
W12	12 KIPS	W21	48 KIPS	W30	66 KIPS
W14	28 KIPS				

## 12. STEEL BEAM SCHEDULE

MARK	SIZE	ULTIMATE (LRFD) REACTION
B1	W8x10	12 KIPS
B2	W10x12	12 KIPS
B3	W12x14	12 KIPS
C1	C8x11.5	12 KIPS



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DAMAGES TO BE PAID TO THE ARCHITECT.

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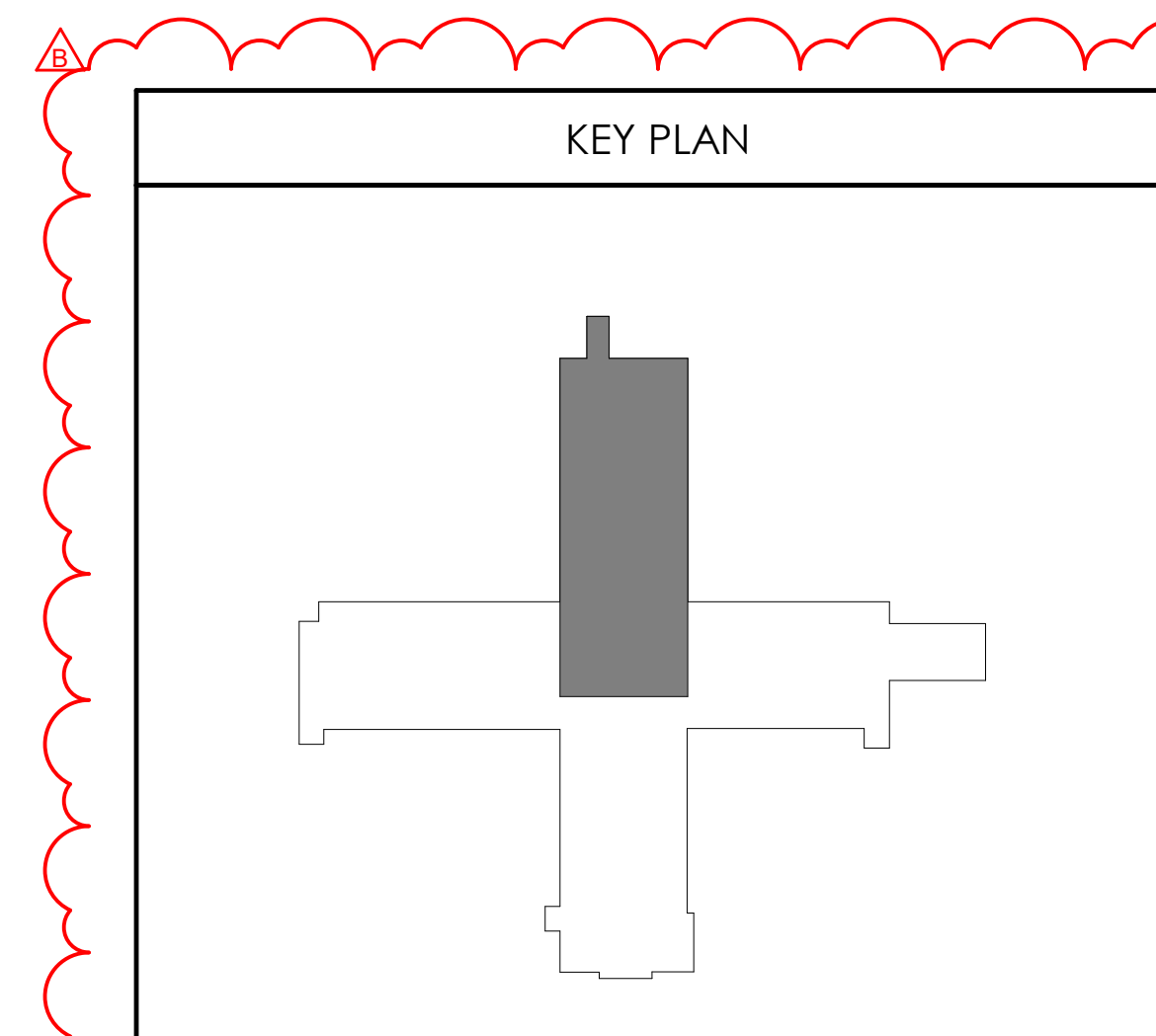
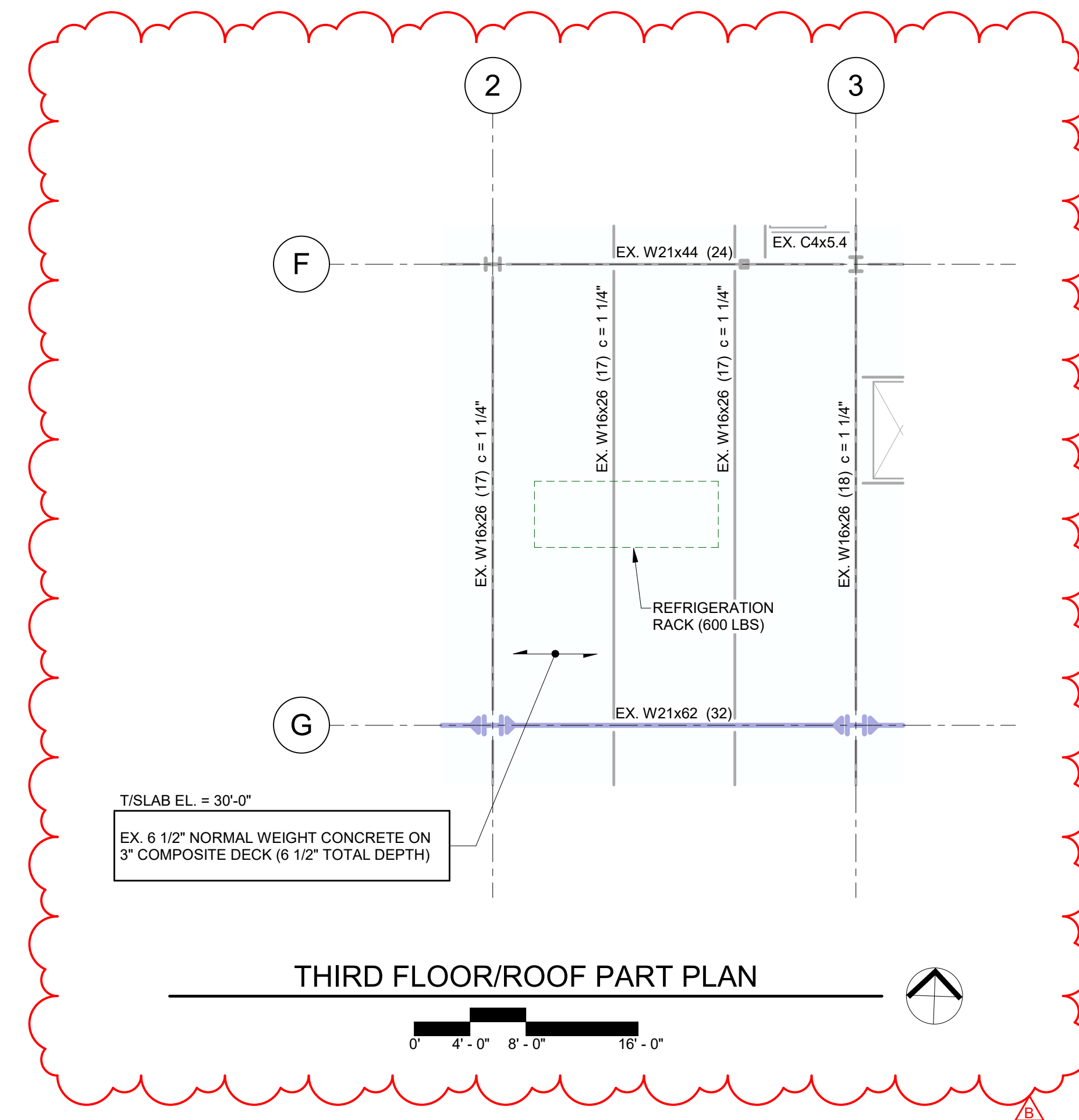
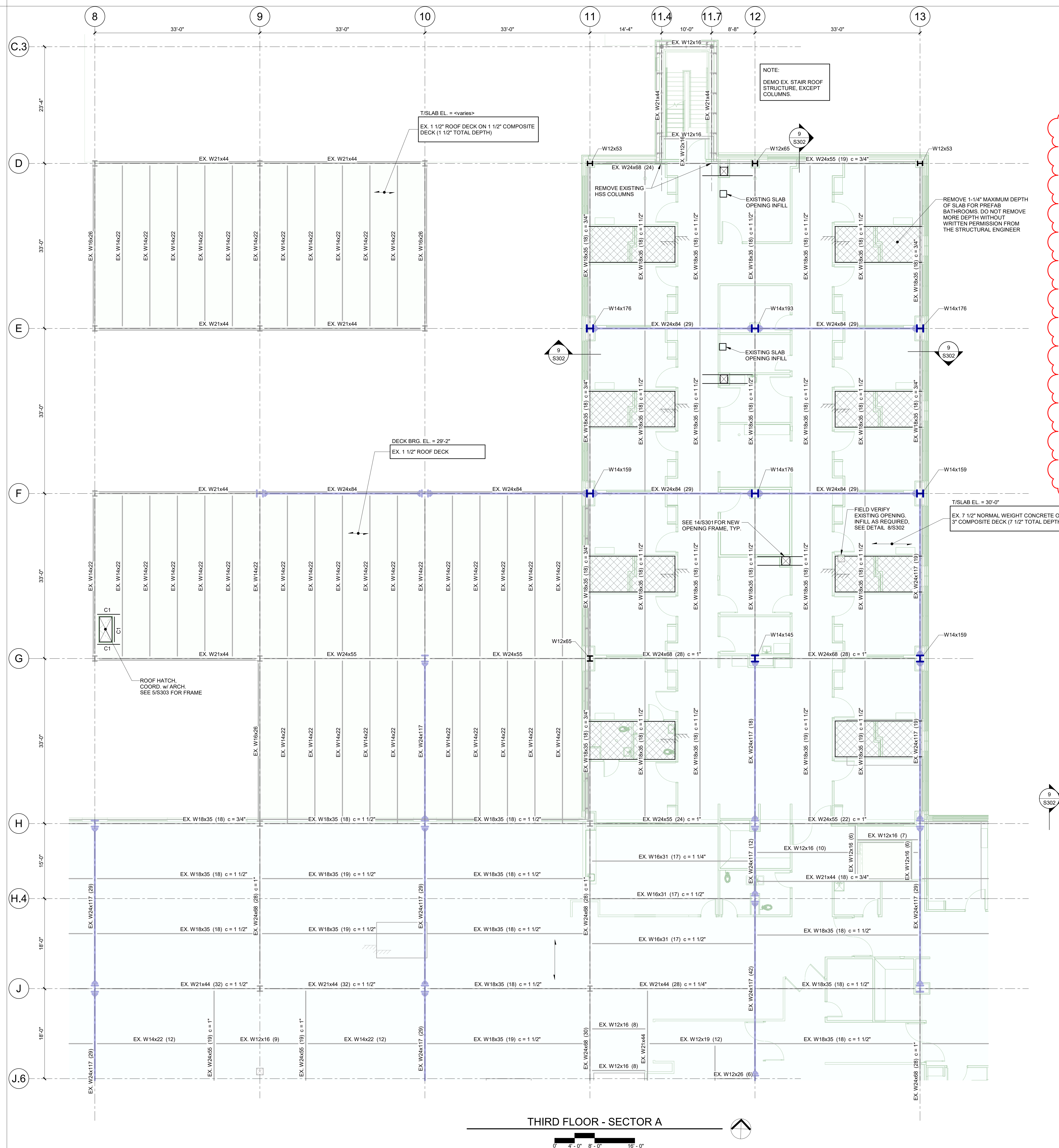
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DATE:	2024/12/1
SCALE:	1/8" = 1'-0"
DRAWN:	
REVIEWED:	JL
JOB NUMBER:	6406

LEVEL 3 FRAMING PLAN -  
SECTOR A

S123A



**SHEET NOTES:**

1. ALL BEAMS SHALL BE SPACED EQUALLY IN COLUMN BAYS, UNLESS NOTED OTHERWISE.
2. LOCATION OF SLABRANT LATE IS LOCATED 6" OFF OF BEAM CENTERLINES AT INTERIOR OPENINGS, UNLESS NOTED OTHERWISE.
3. REFER TO FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS. SLAB SLOPE AND EDGE OF SLAB DIMENSIONS COORDINATE ALL, AS SHOWN, WITH DEPRESSIONS WITH MEN AND ARCHITECTURAL DRAWINGS.
6. WEIGHTS AND ANCHOR FOR MECHANICAL EQUIPMENT ARE MAXIMUMS. NOT STRUCTURAL ENGINEER ACTUAL WEIGHTS EXCEED THE VALUES GIVEN.
7. COORDINATE THE LOCATION OF FRAMING SUPPORTING MECHANICAL EQUIPMENT WITH THE EQUIPMENT SUPPLIER. NOTIFY STRUCTURAL ENGINEER IF EQUIPMENT SUPPORT REQUIREMENTS EXCEED WHAT IS SHOWN ON THE DRAWINGS OR DIMENSIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS RELATED TO THE NEW STRUCTURE PRIOR TO ERECTION AND CONSTRUCTION.
8. SHEET AND TYPICAL DETAIL REFERENCES:
  - 5301 STRUCTURAL NOTES
  - 5302 WELD THROUGH MOMENT CONNECTIONS
  - 5307 COMPOSITE SLABS
  - 5308 FRAMING SECTIONS AND DETAILS
  - 5309 ROOF FRAMING SECTIONS AND DETAILS
  - 5340 STAIRS
  - 5341 GRAVITY COLUMN DETAILS
  - 5342 MOMENT FRAMES
  - 5350 TOPPING SLAB & HOUSEKEEPING PADS
9. SYMBOLS AND LEGEND KEY:
  - (M) WELD THROUGH MOMENT CONNECTION
  - (T) TOPPING SLAB, HOUSEKEEPING PAD, OR CURB
  - (B) BARRIER
10. ULTIMATE UPRD REACTIONS FOR STEEL BEAMS SUPPORTING NON-COMBUSTIBLE DECK SHALL AS FOLLOWS, UNLESS NOTED OTHERWISE.

<u>SIZE</u>	<u>REACTION</u>	<u>SIZE</u>	<u>REACTION</u>	<u>SIZE</u>	<u>REACTION</u>
W8	12 KIPS	W16	30 KIPS	W24	48 KIPS
W10	12 KIPS	W18	30 KIPS	W27	66 KIPS
W12	12 KIPS	W21	48 KIPS	W30	66 KIPS

12. STEEL BEAM SCHEDULE:

MARK	SIZE	ULTIMATE (LRFD) REACTION
B1	W8x10	12 KIPS
B2	W10x12	12 KIPS
B3	W12x14	12 KIPS
C1	C8X11.5	12 KIPS





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CENTER  
2100 SE BLUE PKWY  
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:  
CITY OF LEE'S SUMMIT BUILDING DEPT.  
MISSOURI DHSS

FACILITY NUMBER:  
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AGENCY APPROVALS:  
AGENCY

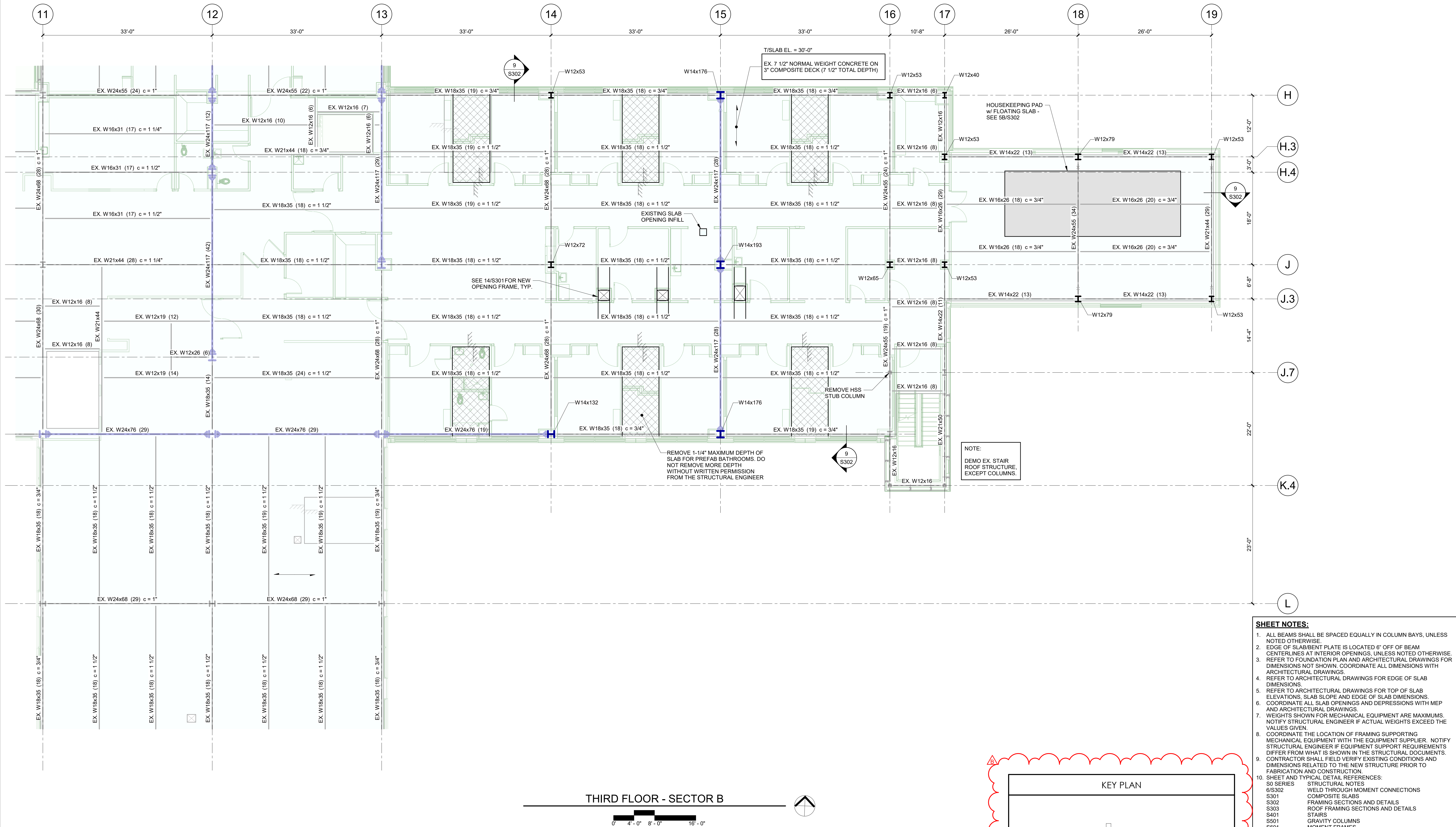
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SCALE: 1/8" = 1'-0"  
DRAWN: JL  
REVIEWED: JDP  
JOB NUMBER: 6406.24

LEVEL 3 FRAMING PLAN -  
SECTOR B

S123B

Autodesk Docx / 6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r23 / 2405100 Lee's Summit, MO - Med Surg\_Bed\_Expansion\_SDI23.rvt 2/5/2025 5:09:58 PM



THIRD FLOOR - SECTOR B

0' 4' 0" 8' 0" 16' 0"

KEY PLAN

### SHEET NOTES:

- ALL BEAMS SHALL BE SPACED EQUALLY IN COLUMN BAYS, UNLESS NOTED OTHERWISE.
- EDGE OF SLAB/BENT PLATE IS LOCATED 6" OFF OF BEAM CENTERLINES AT INTERIOR OPENINGS, UNLESS NOTED OTHERWISE. REFER TO FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS, SLAB SLOPE AND EDGE OF SLAB DIMENSIONS. COORDINATE ALL SLAB OPENINGS AND DEPRESSIONS WITH MEP AND ARCHITECTURAL DRAWINGS.
- WEIGHTS SHOWN FOR MECHANICAL EQUIPMENT ARE MAXIMUMS. NOTIFY STRUCTURAL ENGINEER IF ACTUAL WEIGHTS EXCEED THE VALUES GIVEN.
- COORDINATE THE LOCATION OF FRAMING SUPPORTING MECHANICAL EQUIPMENT WITH THE EQUIPMENT SUPPLIER. NOTIFY STRUCTURAL ENGINEER IF EQUIPMENT SUPPORT REQUIREMENTS DIFFER FROM WHAT IS SHOWN IN THE STRUCTURAL DOCUMENTS.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS RELATED TO THE NEW STRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.
- SHEET AND TYPICAL DETAIL REFERENCES:  
SU SERIES STRUCTURAL NOTES  
6/S302 WELD THROUGH MOMENT CONNECTIONS  
S301 COMPOSITE SLABS  
S302 FRAMING SECTIONS AND DETAILS  
S303 ROOF FRAMING SECTIONS AND DETAILS  
S401 STAIRS  
S501 GRAVITY COLUMNS  
S501 MOMENT FRAMES  
5/S302 TOPPING SLAB & HOUSEKEEPING PADS  
MARK AND LEGEND KEY:  
WELD THROUGH MOMENT CONNECTION  
TOPPING SLAB, HOUSEKEEPING PAD, OR CURB  
BARRIER CABLES
- ULTIMATE (LRFD) REACTIONS FOR STEEL BEAMS SUPPORTING NON-COMPOSITE DECK SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:

SIZE	REACTION	SIZE	REACTION	SIZE	REACTION
W8	12 KIPS	W16	30 KIPS	W24	48 KIPS
W10	12 KIPS	W18	30 KIPS	W27	66 KIPS
W12	12 KIPS	W21	48 KIPS	W30	66 KIPS
W14	30 KIPS				

### 12. STEEL BEAM SCHEDULE:

MARK	SIZE	ULTIMATE (LRFD) REACTION
B1	W8x10	12 KIPS
B2	W10x12	12 KIPS
B3	W12x14	12 KIPS
C1	C8X11.5	12 KIPS





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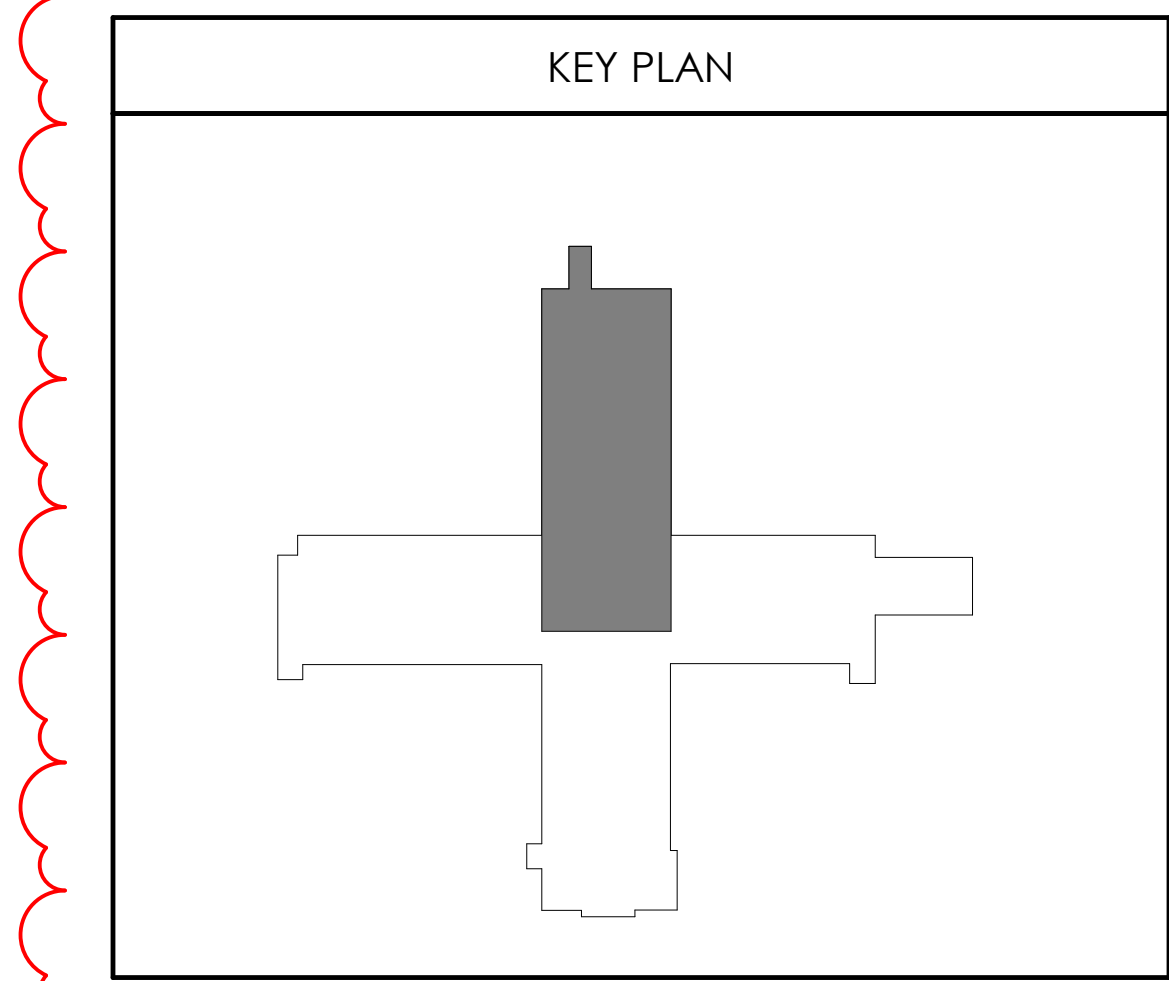
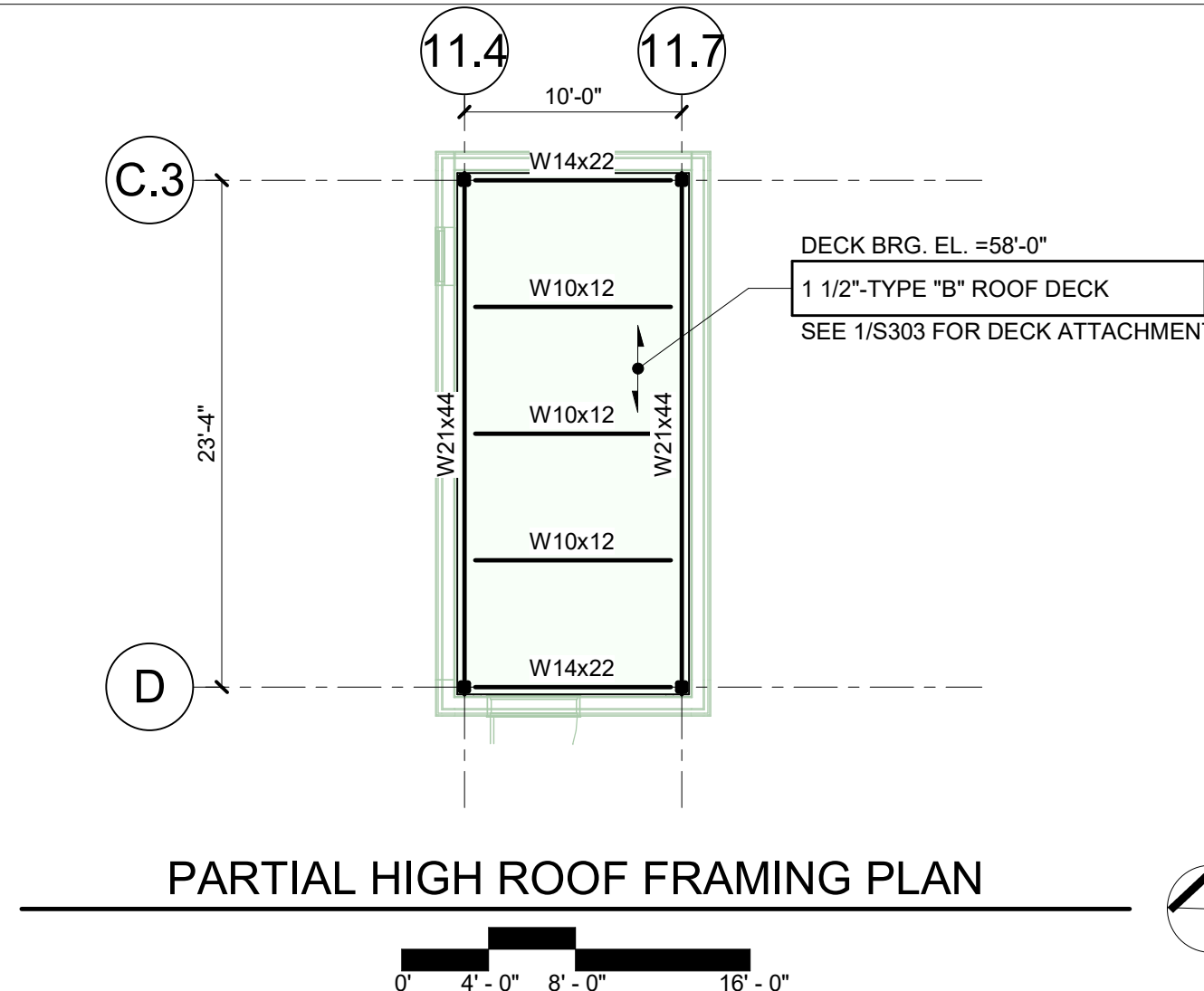
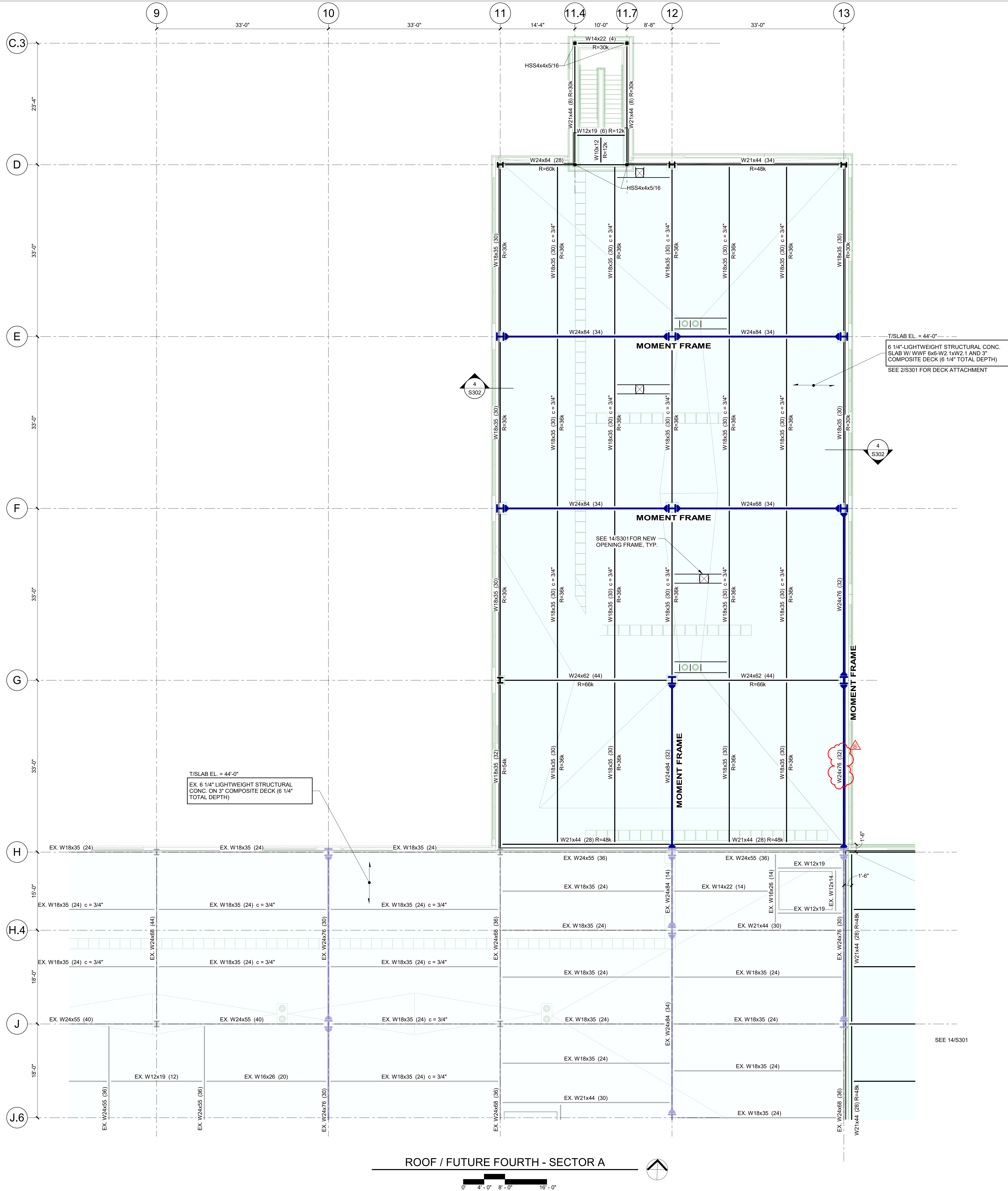
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## ROOF FRAMING PLAN - SECTOR A

S124A



- SHEET NOTES:**
- ALL BEAMS SHALL BE SPACED EQUALLY IN COLUMN BAYS, UNLESS NOTED OTHERWISE.
  - EDGE OF SLAB/BENT PLATE IS LOCATED 6" OFF OF BEAM CENTERLINES AT INTERIOR OPENINGS, UNLESS NOTED OTHERWISE.
  - REFER TO FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS, SLAB SLOPE AND EDGE OF SLAB DIMENSIONS.
  - COORDINATE ALL SLAB OPENINGS AND DEPRESSIONS WITH MEP AND ARCHITECTURAL DRAWINGS.
  - WEIGHTS SHOWN FOR MECHANICAL EQUIPMENT ARE MAXIMUMS. NOTIFY STRUCTURAL ENGINEER IF ACTUAL WEIGHTS EXCEED THE VALUES GIVEN.
  - COORDINATE THE LOCATION OF FRAMING SUPPORTING MECHANICAL EQUIPMENT WITH THE EQUIPMENT SUPPLIER. NOTIFY STRUCTURAL ENGINEER IF EQUIPMENT SUPPORT REQUIREMENTS DIFFER FROM WHAT IS SHOWN IN THE STRUCTURAL DOCUMENTS.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS RELATED TO THE NEW STRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.
  - SHEET AND TYPICAL DETAIL REFERENCES:
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    - 6/S302 WELD THROUGH MOMENT CONNECTIONS
    - S301 COMPOSITE SLABS
    - S302 FRAMING SECTIONS AND DETAILS
    - S303 ROOF FRAMING SECTIONS AND DETAILS
    - S401 STAIRS
    - S501 GRAVITY COLUMNS
    - S501 MOMENT FRAMES
    - 5/S302 TOPPING SLAB & HOUSEKEEPING PADS
  - MARK AND LEGEND KEY:
    - WELD THROUGH MOMENT CONNECTION
    - TOPPING SLAB, HOUSEKEEPING PAD, OR CURB
    - BARRIER CABLES
  11. ULTIMATE (LRFD) REACTIONS FOR STEEL BEAMS SUPPORTING NON-COMPOSITE DECK SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:

SIZE	REACTION	SIZE	REACTION	SIZE	REACTION
W8	12 KIPS	W16	30 KIPS	W24	48 KIPS
W10	12 KIPS	W18	30 KIPS	W27	66 KIPS
W12	12 KIPS	W21	48 KIPS	W30	66 KIPS
W14	30 KIPS				
  12. STEEL BEAM SCHEDULE:

MARK	SIZE	ULTIMATE (LRFD) REACTION
B1	W8x10	12 KIPS
B2	W10x12	12 KIPS
B3	W12x14	12 KIPS
C1	C8X11.5	12 KIPS

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**Consultant:**



## Structural Engineers

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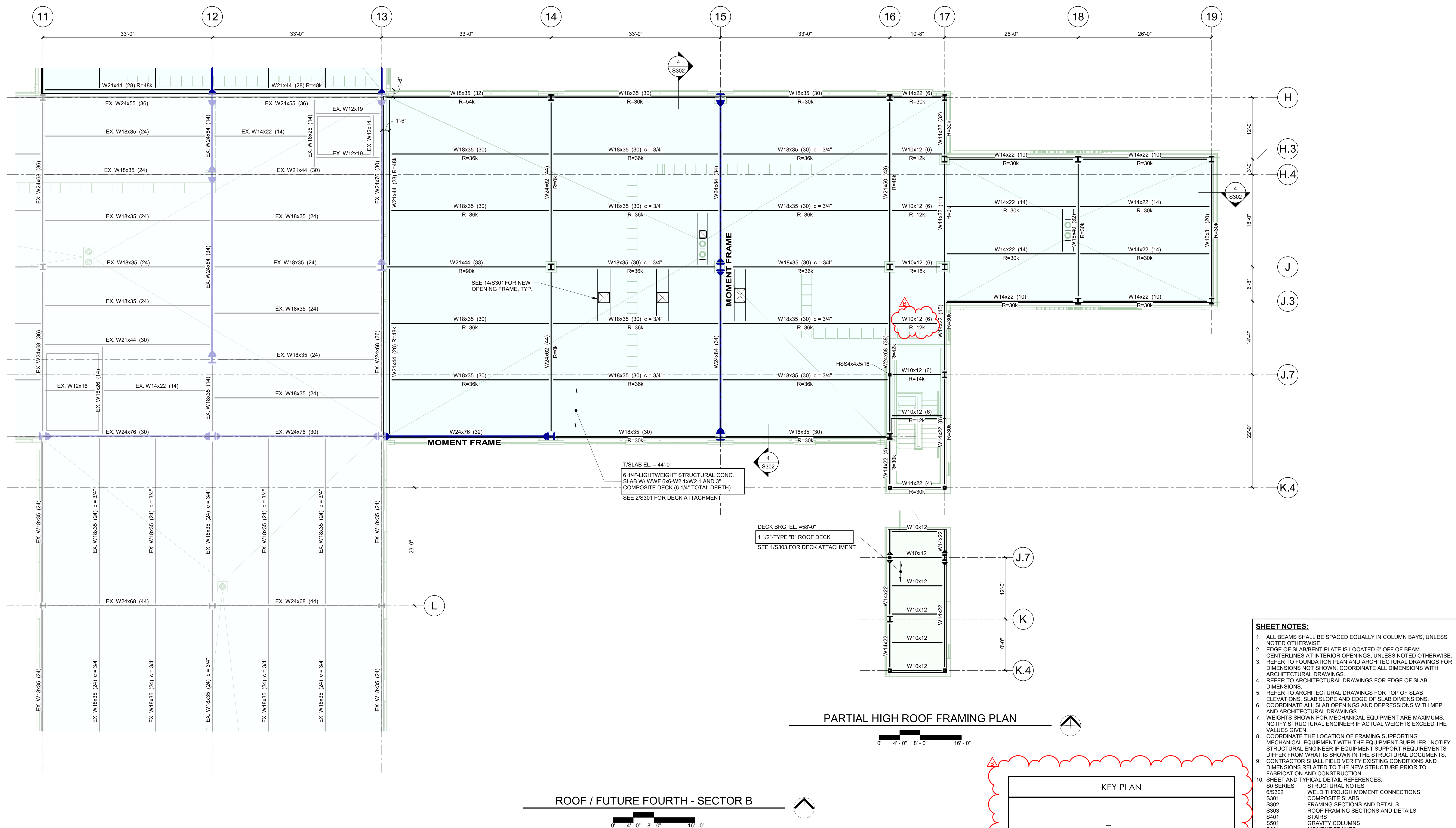
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ROOF FRAMING PLAN -  
SECTOR B

S124E



**SHEET NOTES:**

1. ALL BEAMS SHALL BE SPACED EQUALLY IN COLUMN BAYS, UNLESS NOTED OTHERWISE.
2. EDGE OF SLABMENT PLATE IS LOCATED AT END OF BEAM.
3. COLUMN KINES AT 1/4 BEAM OPENINGS, UNLESS NOTED OTHERWISE.
4. REFER TO FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR EDGE OF SLAB DIMENSIONS.
6. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS, SLAB SLOPE AND EDGE OF SLAB DIMENSIONS.
7. COORDINATE ALL SLAB OPENINGS AND DEPRESSIONS WITH MEP DRAWINGS.
8. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT SCHEDULE.
9. WEIGHTS SHOWN FOR MECHANICAL EQUIPMENT ARE MAXIMUMS. NOTIFY STRUCTURAL ENGINEER IF ACTUAL WEIGHTS EXCEED THE MAXIMUMS.
10. COORDINATE THE LOCATION OF FRAMING SUPPORTS.
11. MECHANICAL EQUIPMENT WITH THE EQUIPMENT SUPPLIER. NOTIFY STRUCTURAL ENGINEER IF EQUIPMENT WEIGHTS EXCEED THE WEIGHTS SHOWN OR IF EQUIPMENT WEIGHTS EXCEED THE WEIGHTS SHOWN.
12. REFER FROM WHAT IS SHOWN IN THE STRUCTURAL DOCUMENTS.
13. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS RELATIVE TO THE STRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.

SIZE	REACTION	SIZE	REACTION	SIZE	REACTION
W8	12 KIPS	W16	30 KIPS	W24	48 KIPS
W10	12 KIPS	W18	30 KIPS	W27	66 KIPS
W12	12 KIPS	W21	48 KIPS	W30	66 KIPS
W14	30 KIPS				

12. STEEL BEAM SCHEDULE:

MARK	SIZE	ULTIMATE (LRFD) REACTION
B1	W8x10	12 KIPS
B2	W10x12	12 KIPS
B3	W12x14	12 KIPS
C1	C8X11.5	12 KIPS









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Project No. 24051.00



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## MED SURG & DIETARY EXPANSION

HCA - LEE'S SUMMIT MEDICAL CENTER  
2100 SE BLUE PKWY  
LEE'S SUMMIT, MO 64063

AUTHORITY HAVING JURISDICTION:  
CITY OF LEE'S SUMMIT BUILDING DEPT.  
MISSOURI DHSS

FACILITY NUMBER:  
0972400009

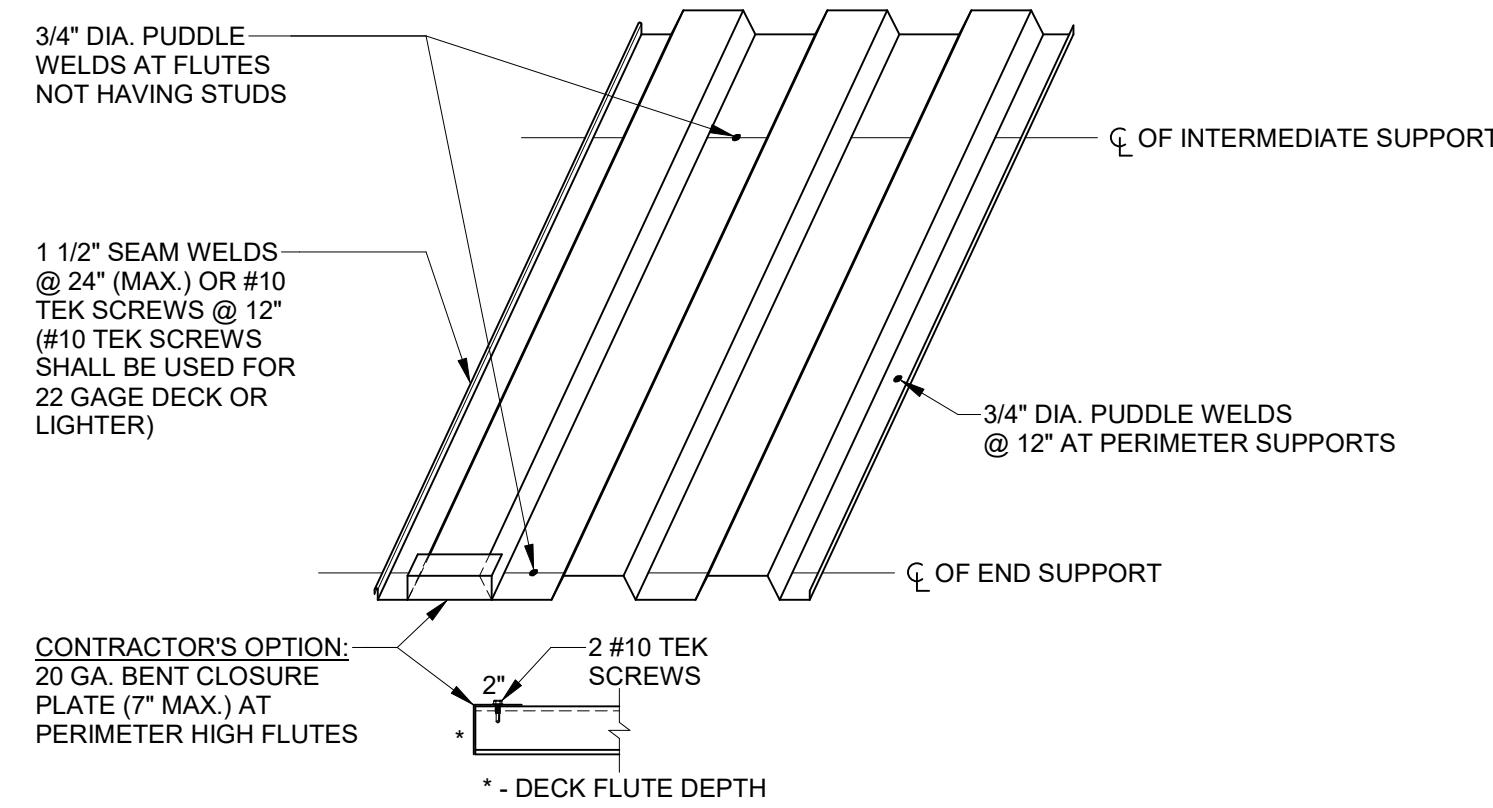
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AGENCY

REVISIONS		
REV #	DESCRIPTION	DATE
B	DESIGN COORDINATION	2025/02/06

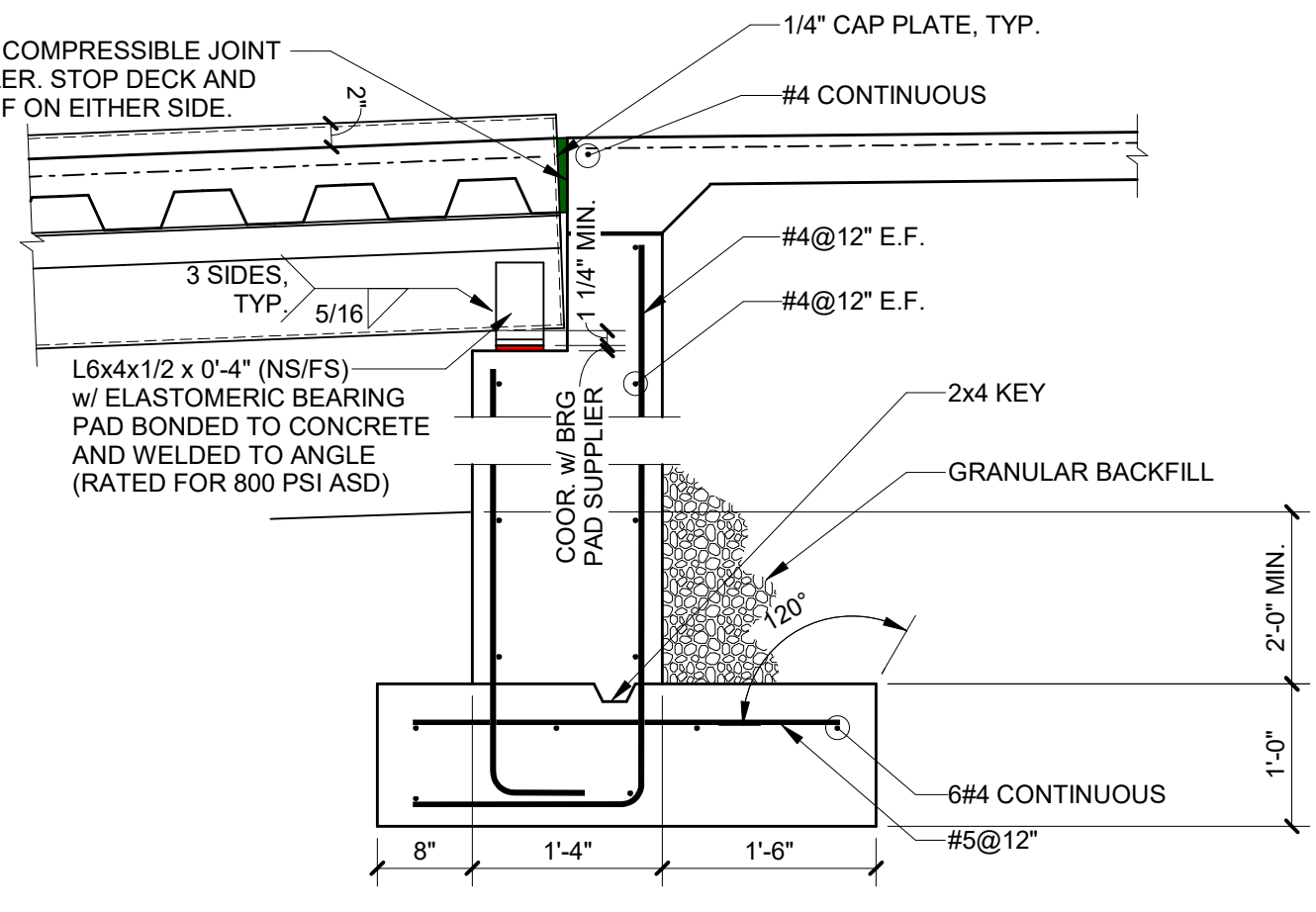
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DRAWN: JL  
REVIEWED: JDP  
JOB NUMBER: 6406.24

## PEDESTRIAN BRIDGE STRUCTURAL SECTIONS AND DETAILS

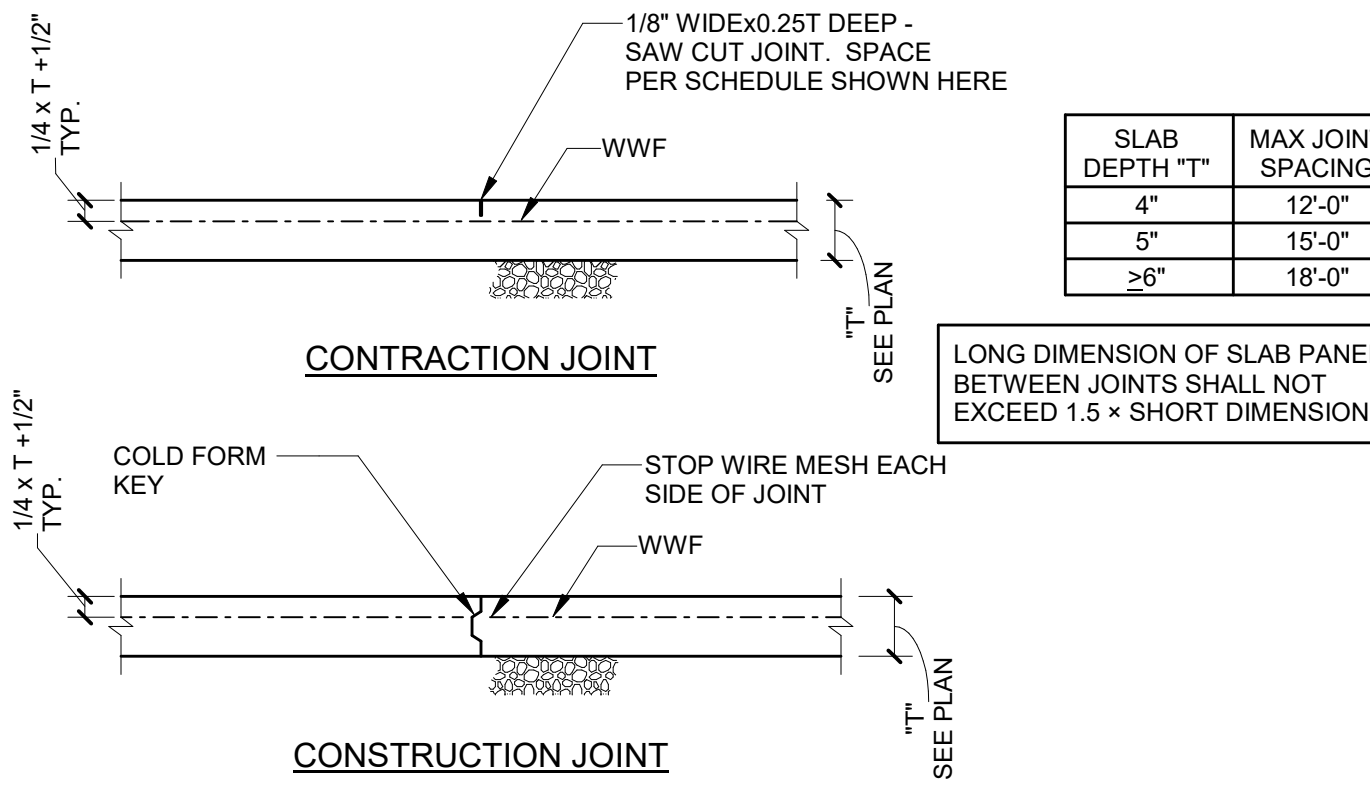
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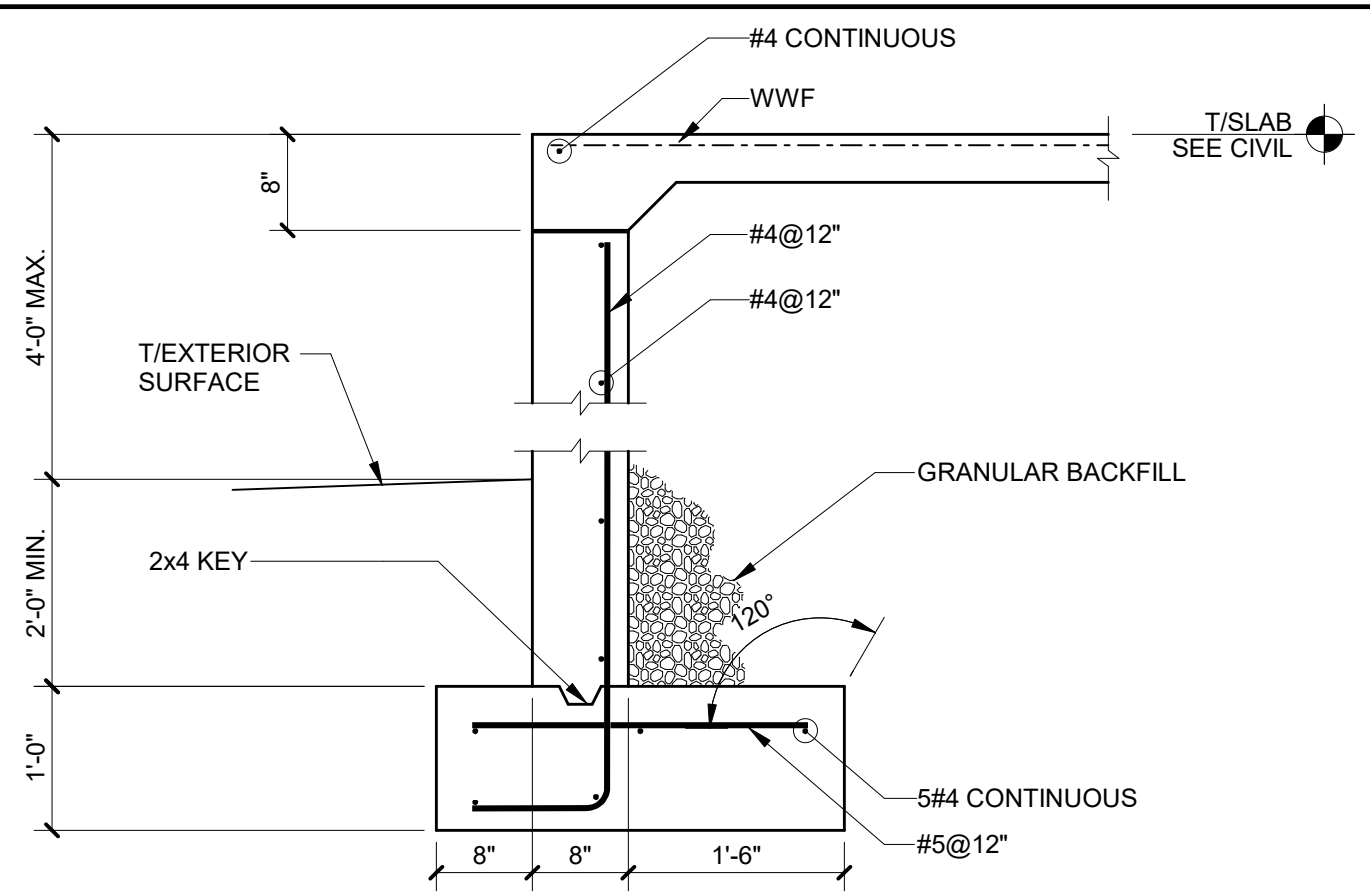
7 TYPICAL COMPOSITE DECK ATTACHMENT



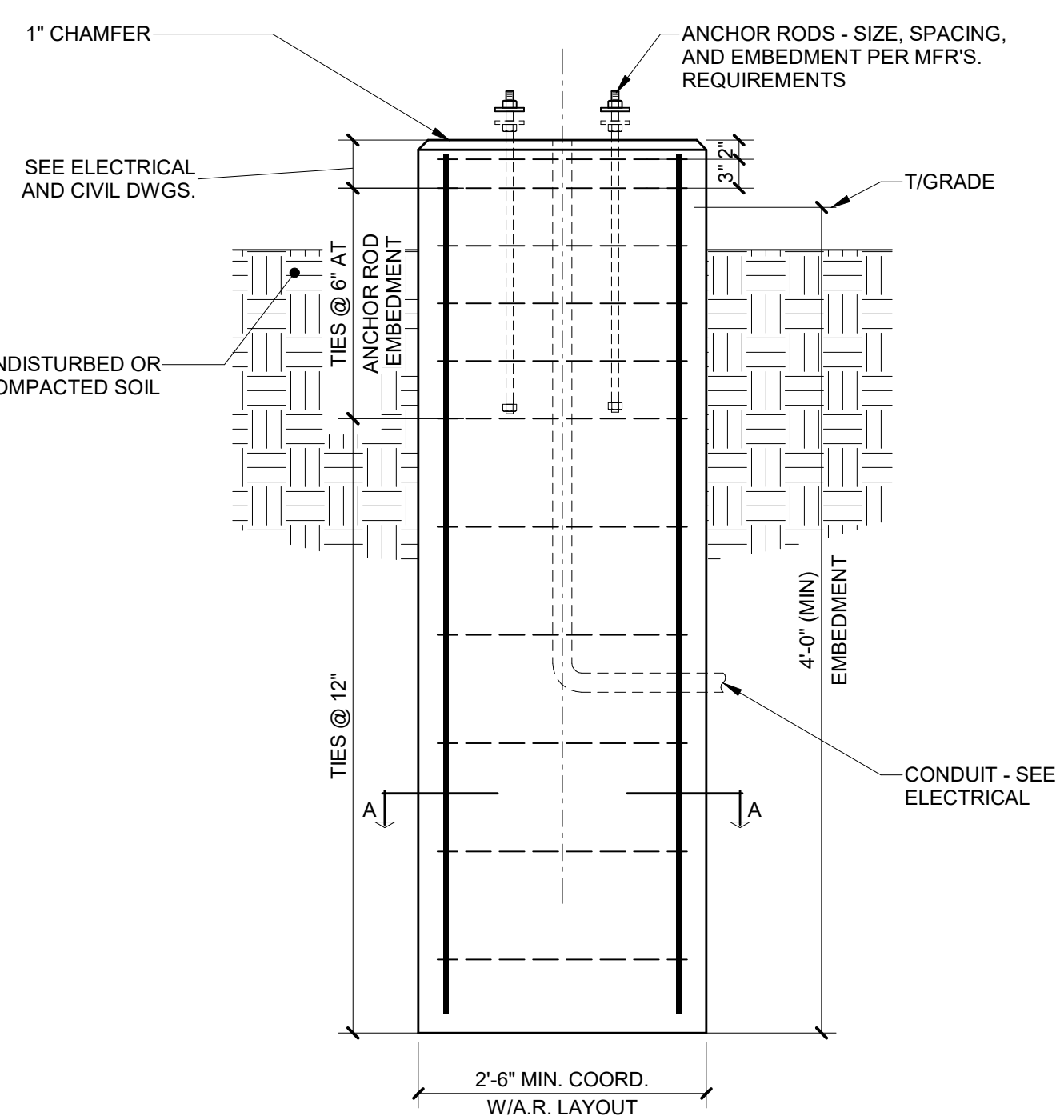
4 TYPICAL SECTION AT STEEL BEAM / RET. WALL



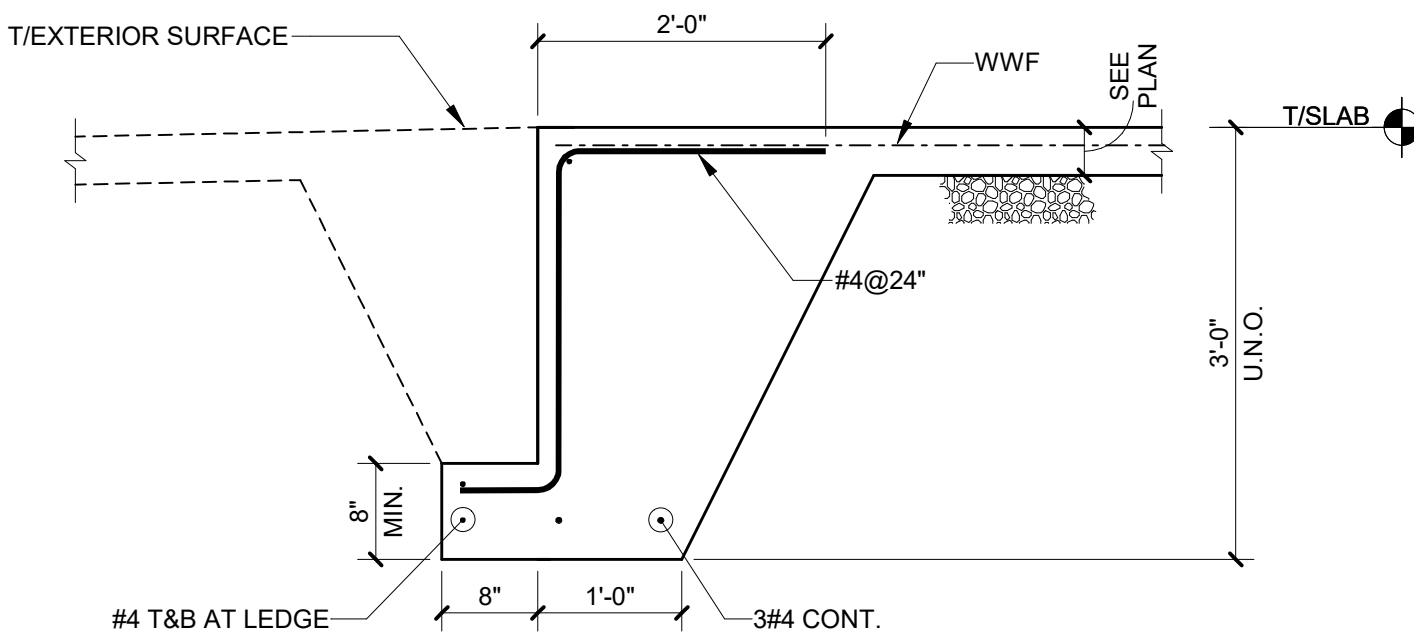
6 TYPICAL SLAB ON GROUND DETAILS



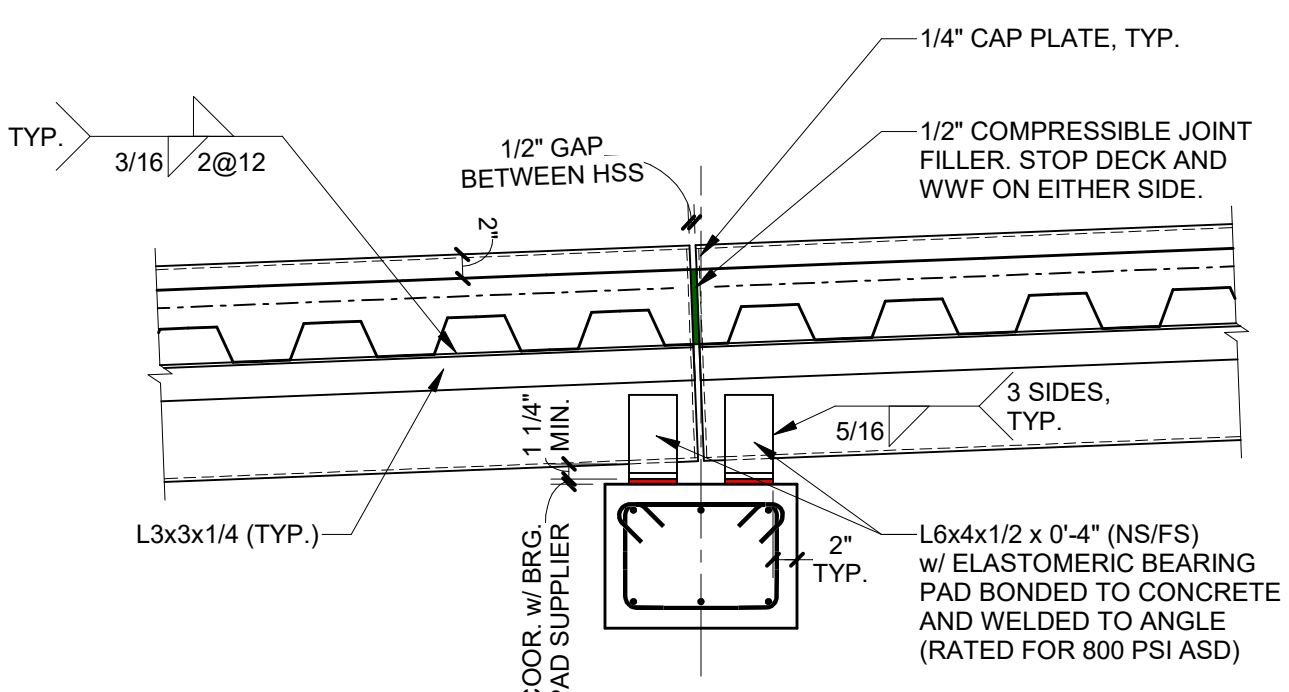
3 TYPICAL SECTION AT RETAINING WALL



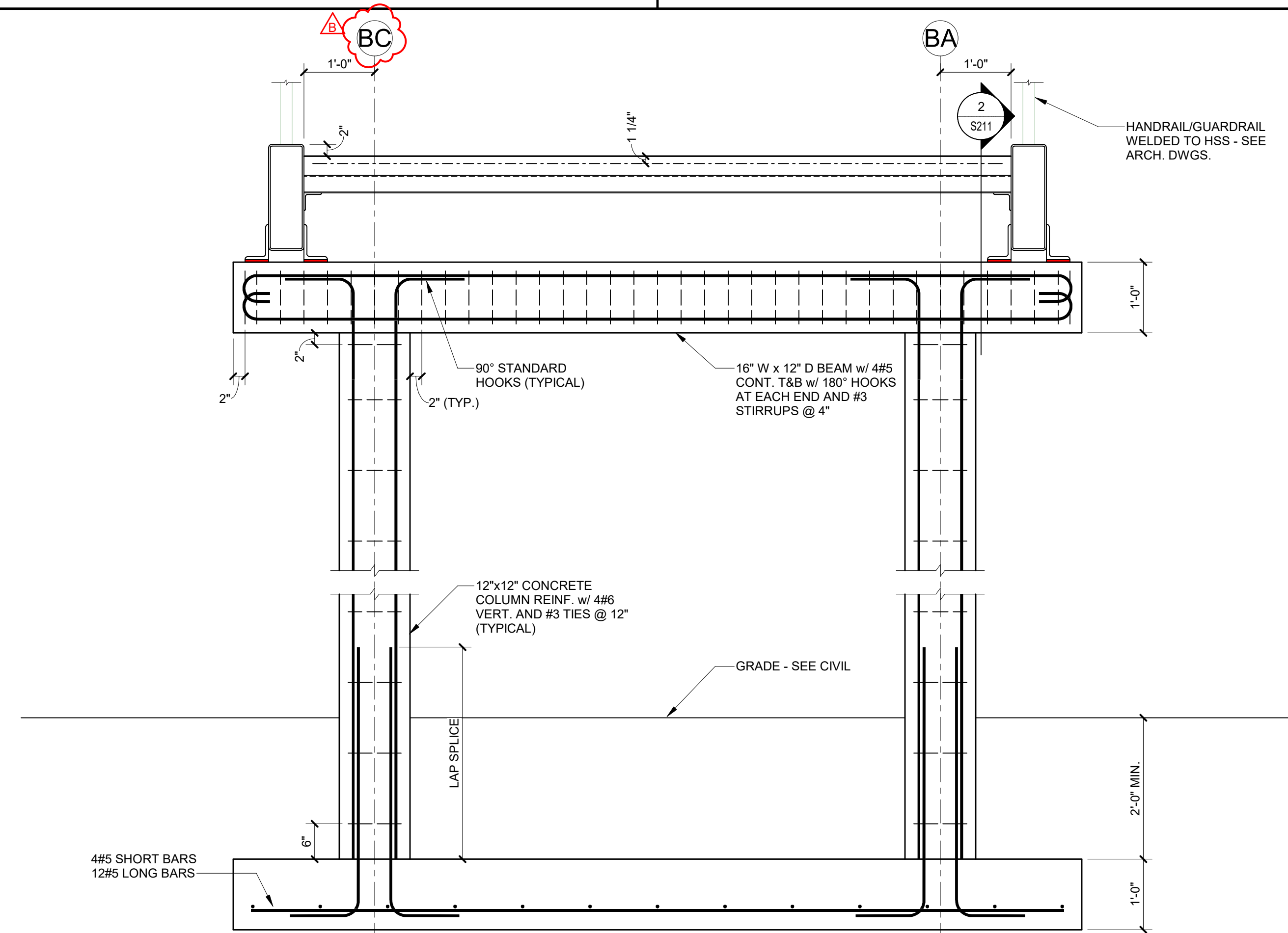
9 SITE LIGHT POLE FOUNDATION SECTION



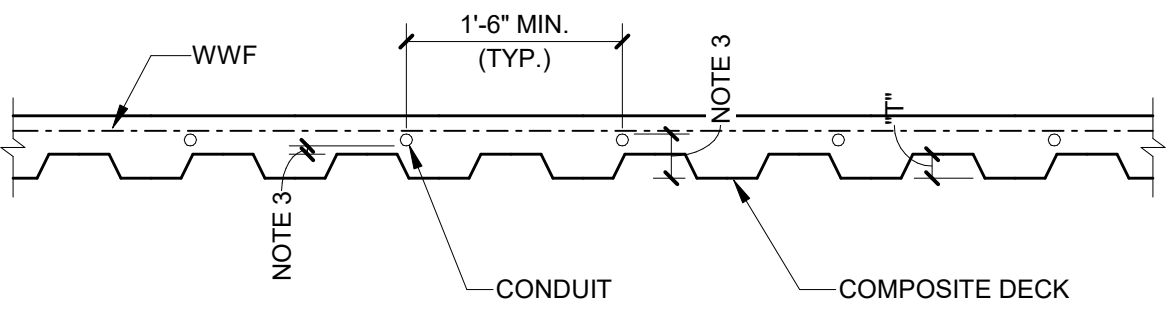
5 TYPICAL TURNED DOWN SLAB



2 TYPICAL SECTION AT PEDESTRIAN BRIDGE



1 TYPICAL SECTION AT PEDESTRIAN BRIDGE



8 TYPICAL CONDUIT IN COMPOSITE SLAB DETAIL

- NOTES:
1. OUTSIDE DIA. OF CONDUIT SHALL NOT EXCEED 1" NOR 1/3 "T".
  2. CROSSEOVERS OF CONDUIT ARE NOT PERMITTED.
  3. MAINTAIN 3/4" MINIMUM CLEAR COVER TOP AND BOTTOM. DO NOT PLACE CONDUIT WITHIN DECK FLUTES.
  4. CONDUITS GROUPED TOGETHER NEAR JUNCTION BOXES SHALL BE REINFORCED AS SLAB OPENINGS.
  5. DO NOT PLACE CONDUIT WITHIN 3" CLEAR OF COMPOSITE BEAM SHEAR STUDS.

Autodesk Docs / 6406.24 - HCA - Lee's Summit Medical Center (LSMC) - r23/2405100 Lee's Summit, MO\_Med Surg\_Bed\_Expansion\_S211.rvt  
2/2/2025 5:10:15 PM  
Notice of Alternate Billing or Payment Cycle: The Owner may plan to make payments on an alternative schedule. A written description of such billing or payment cycle applicable to the Project is available from the Owner or the Owner's designated agent upon request.





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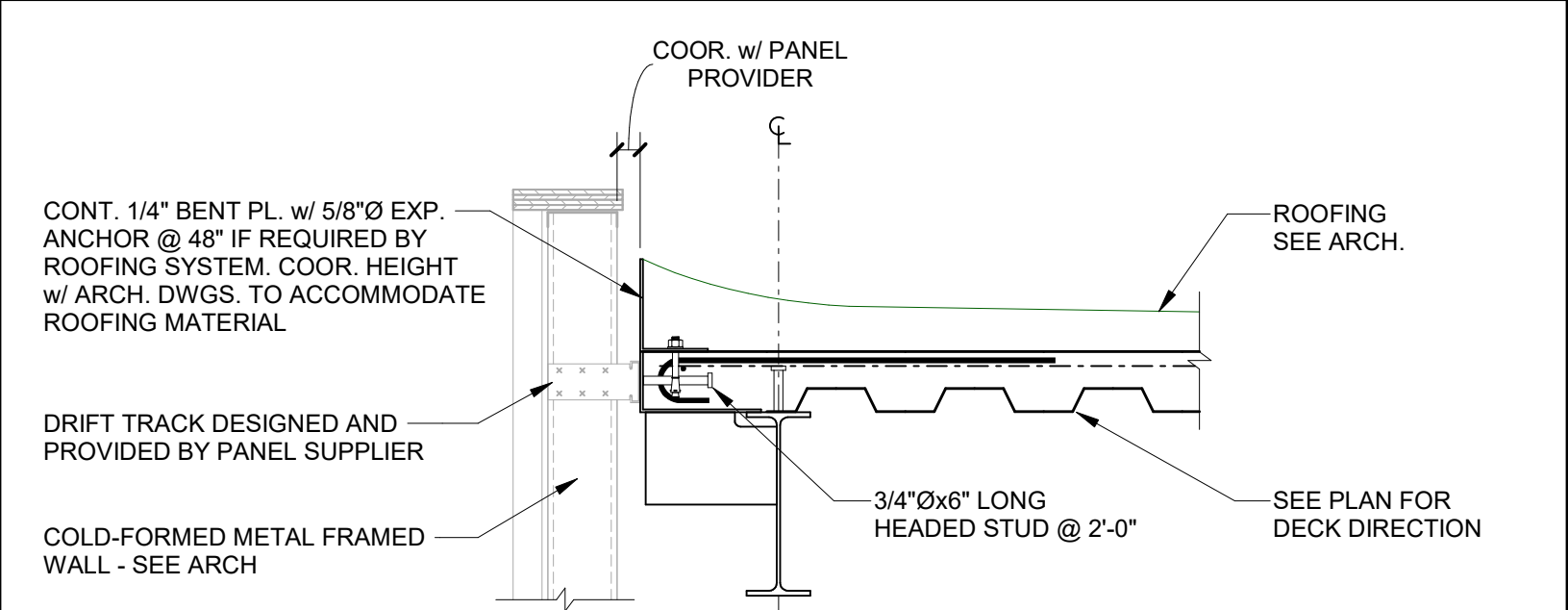
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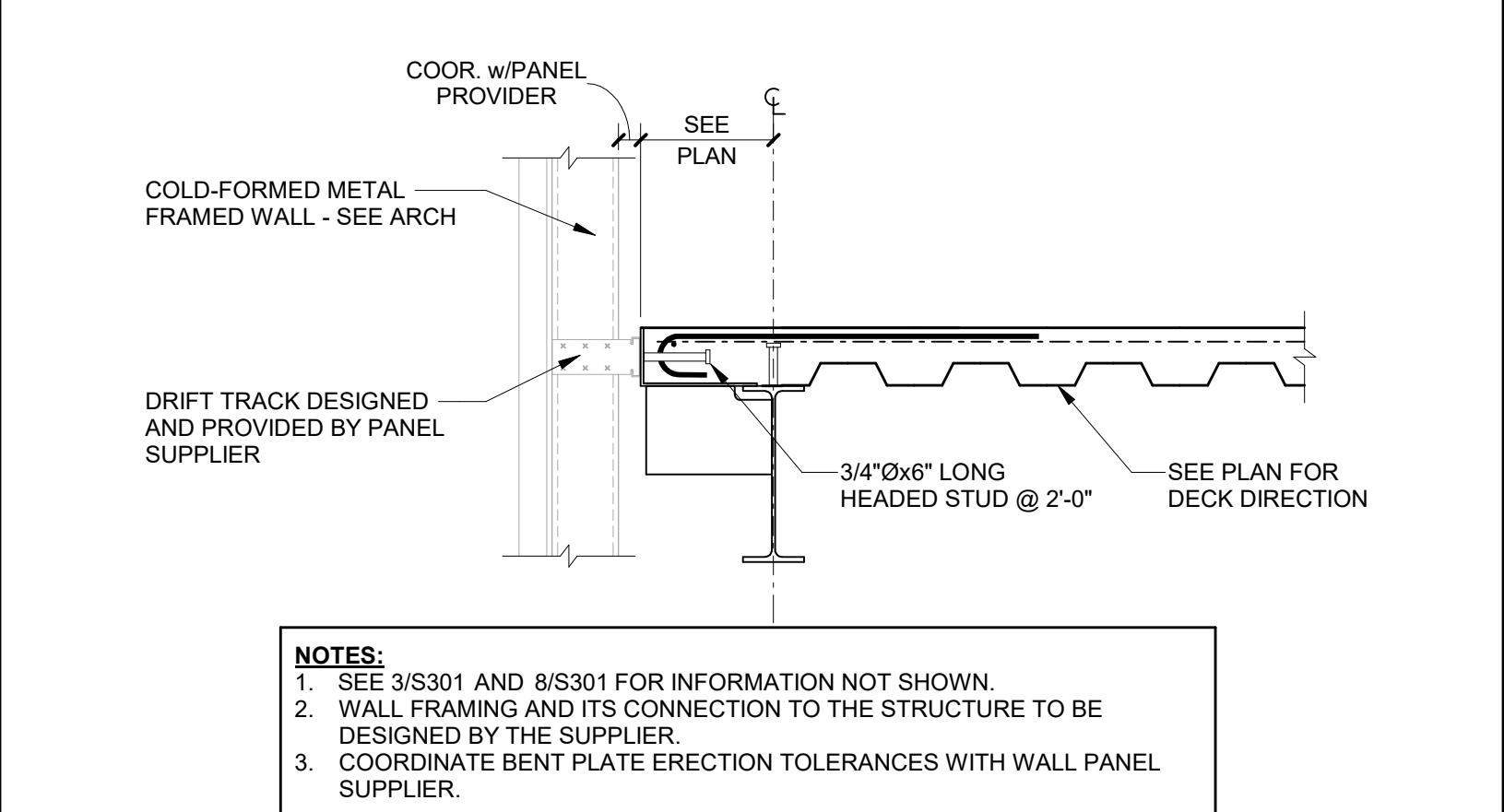
## TYPICAL STEEL FRAMING SECTIONS AND DETAILS

# S302

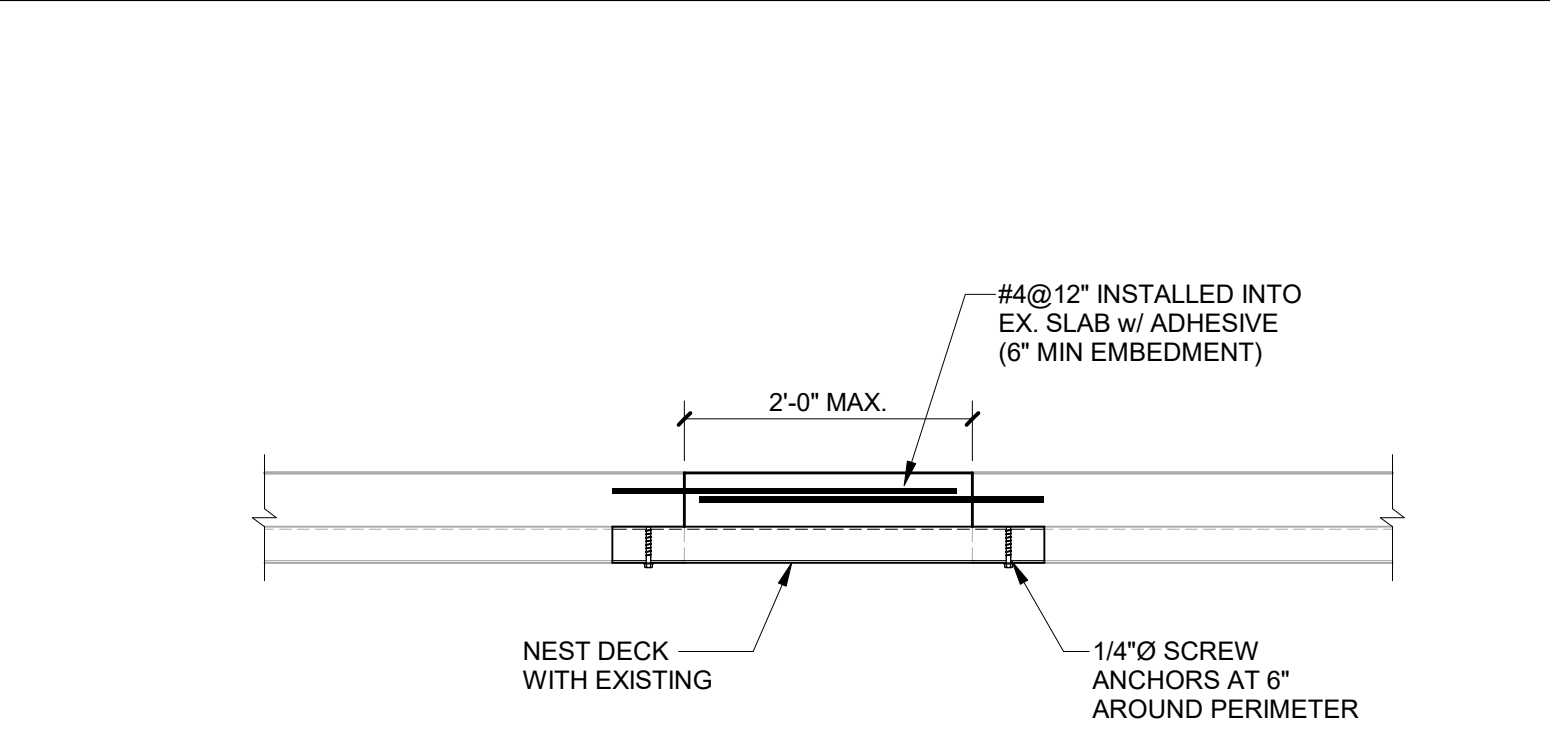
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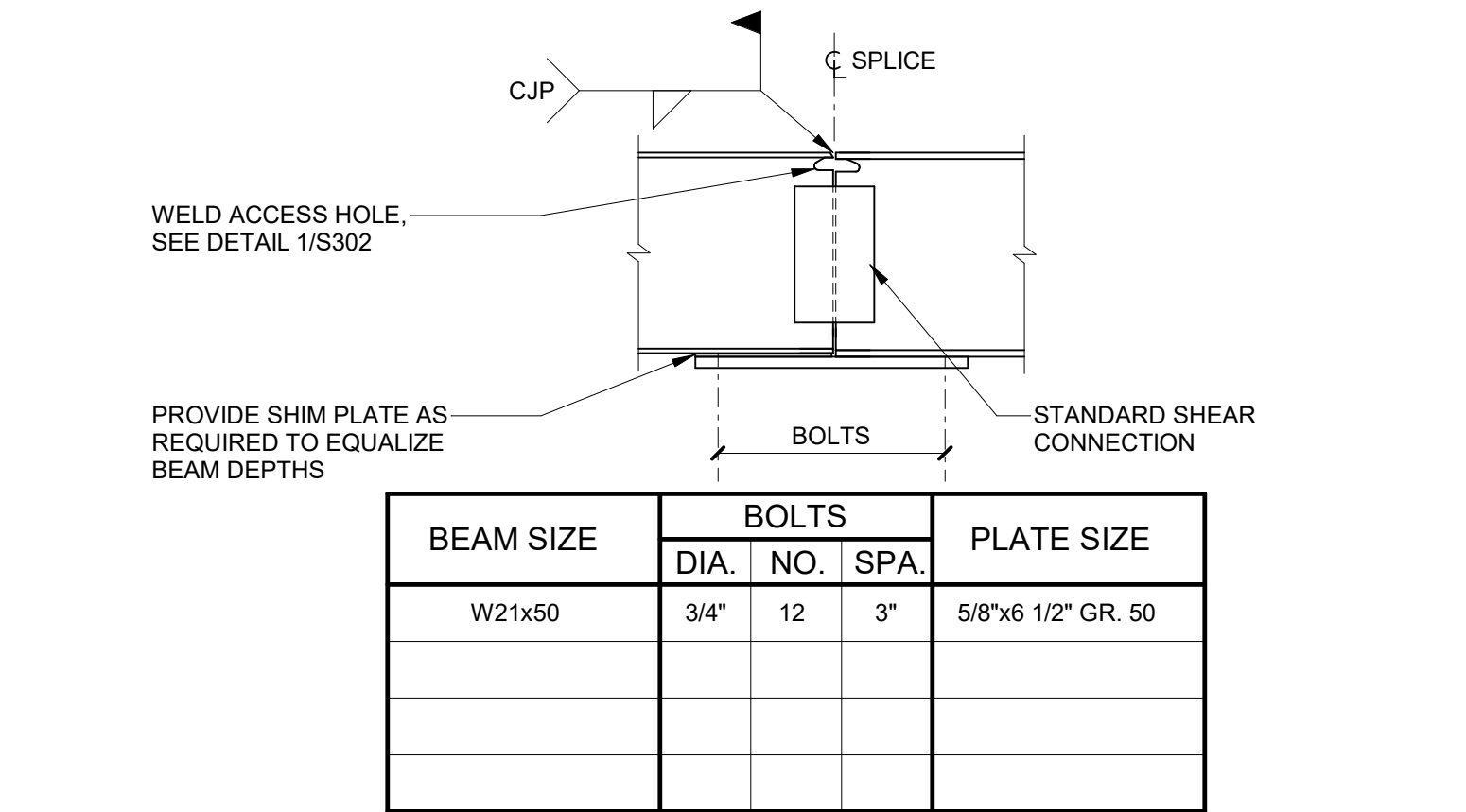
4 TYPICAL DETAIL AT PRE-FAB CFMF WALL PANEL AT ROOF / FUTURE FLOOR



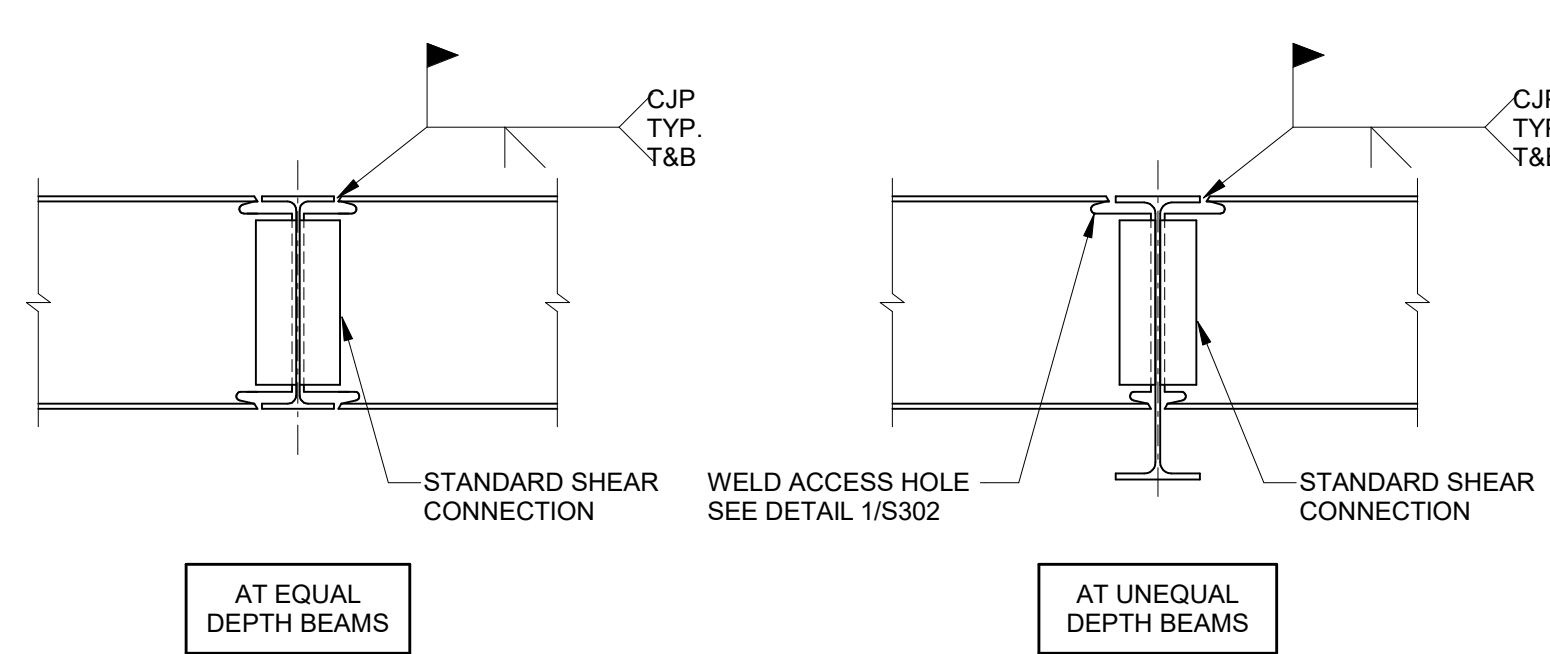
3 TYPICAL DETAIL AT PRE-FAB CFMF WALL PANEL



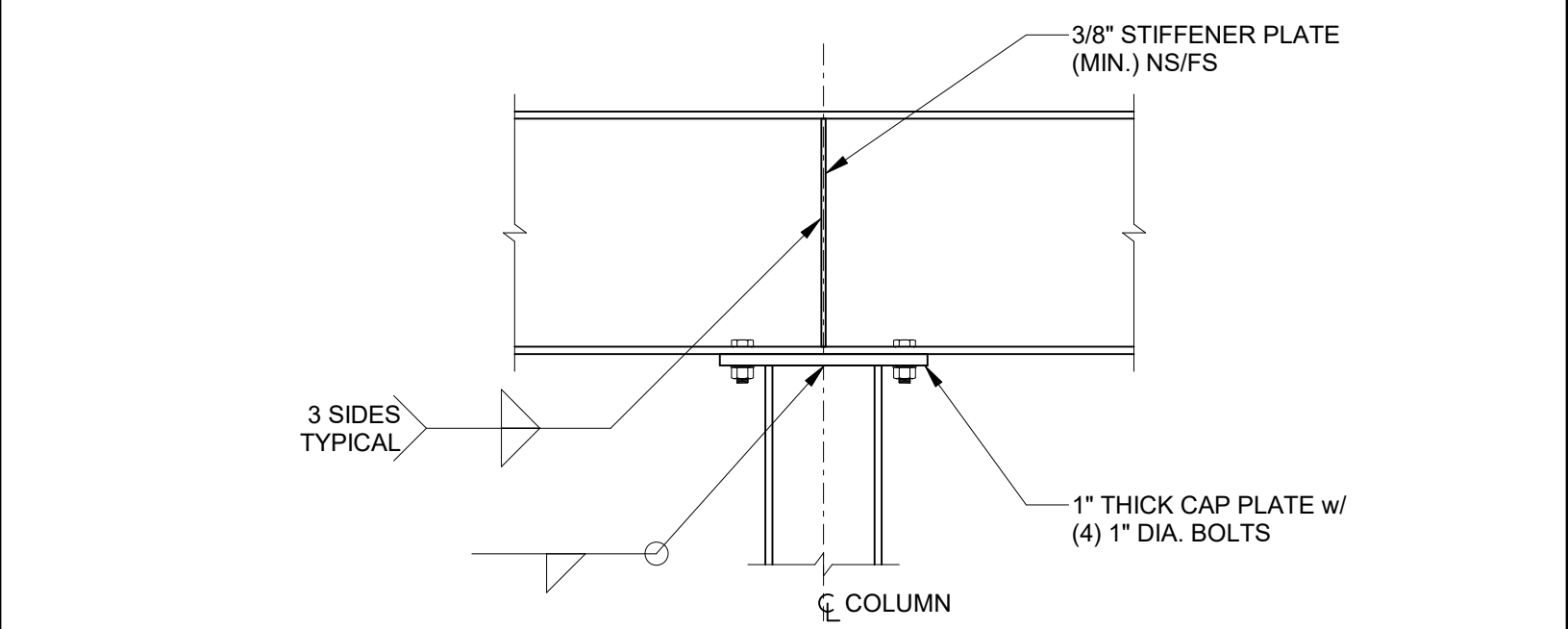
8 TYPICAL SECTION AT EX. SLAB OPENING INFILL



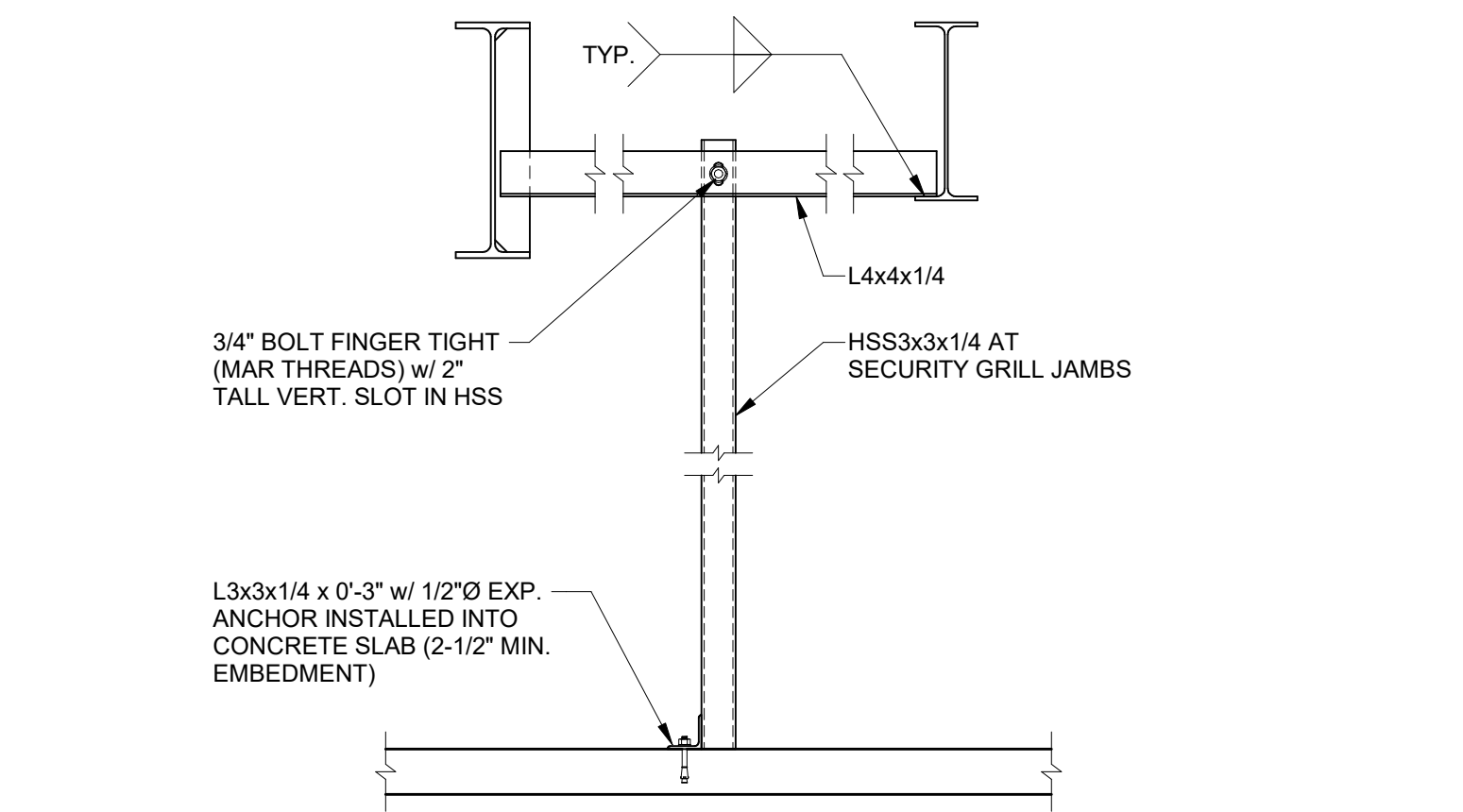
7 TYPICAL WELDED/BOLTED MOMENT SPLICE



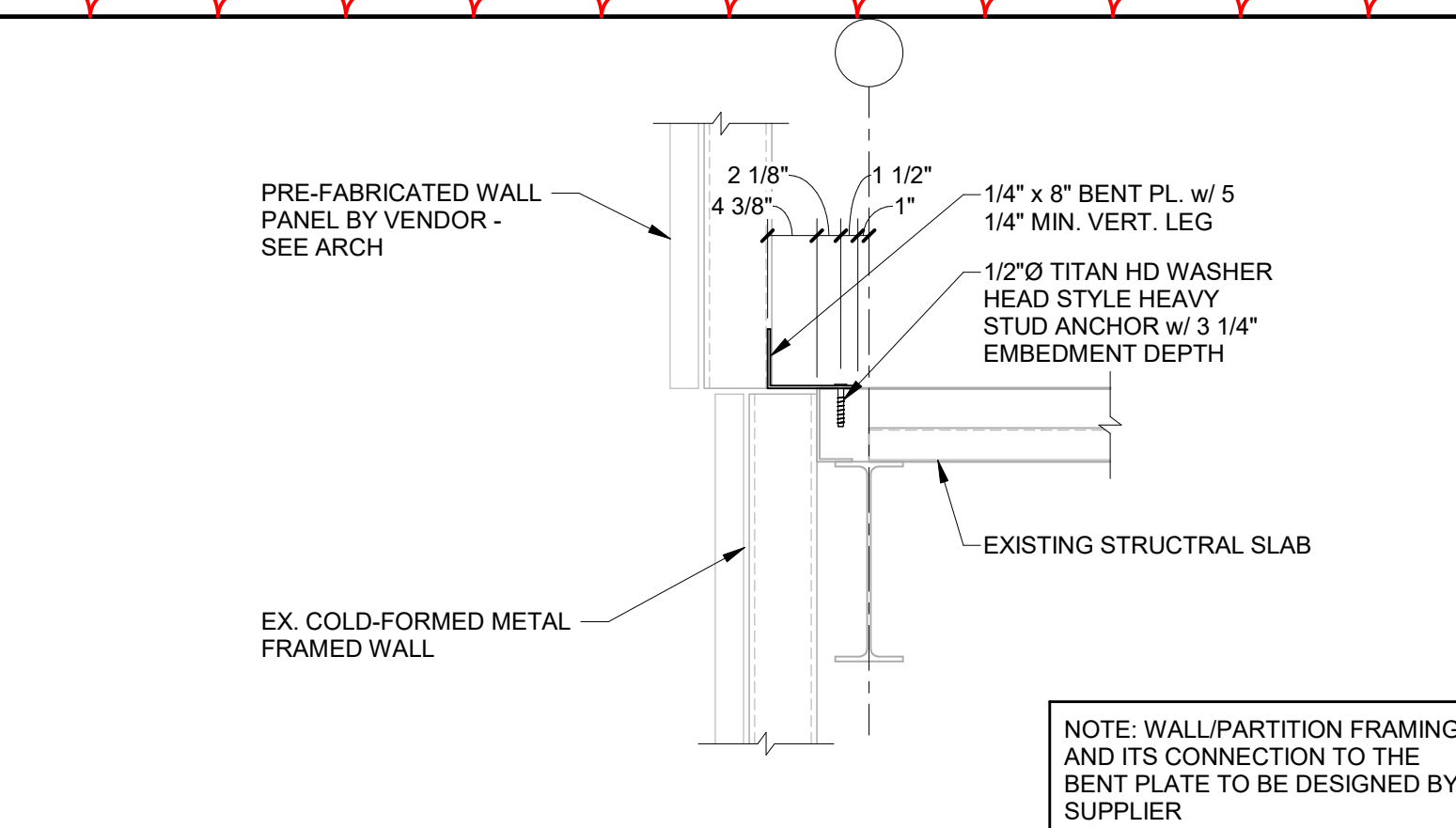
6 TYPICAL MOMENT CONNECTION DETAILS



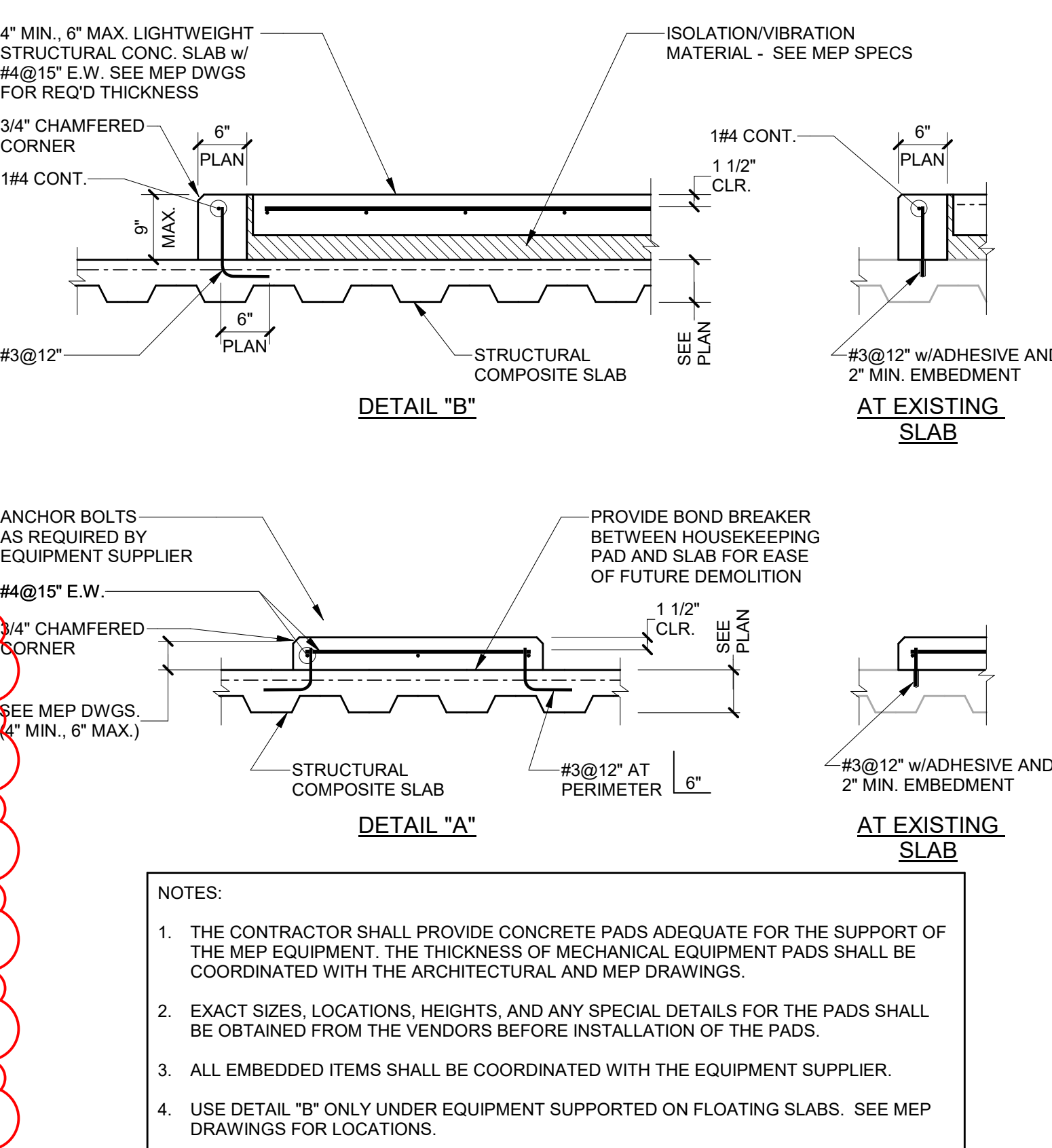
2 TYPICAL BEAM TO COLUMN CONNECTION CONTINUOUS/CANTILEVERED BEAMS



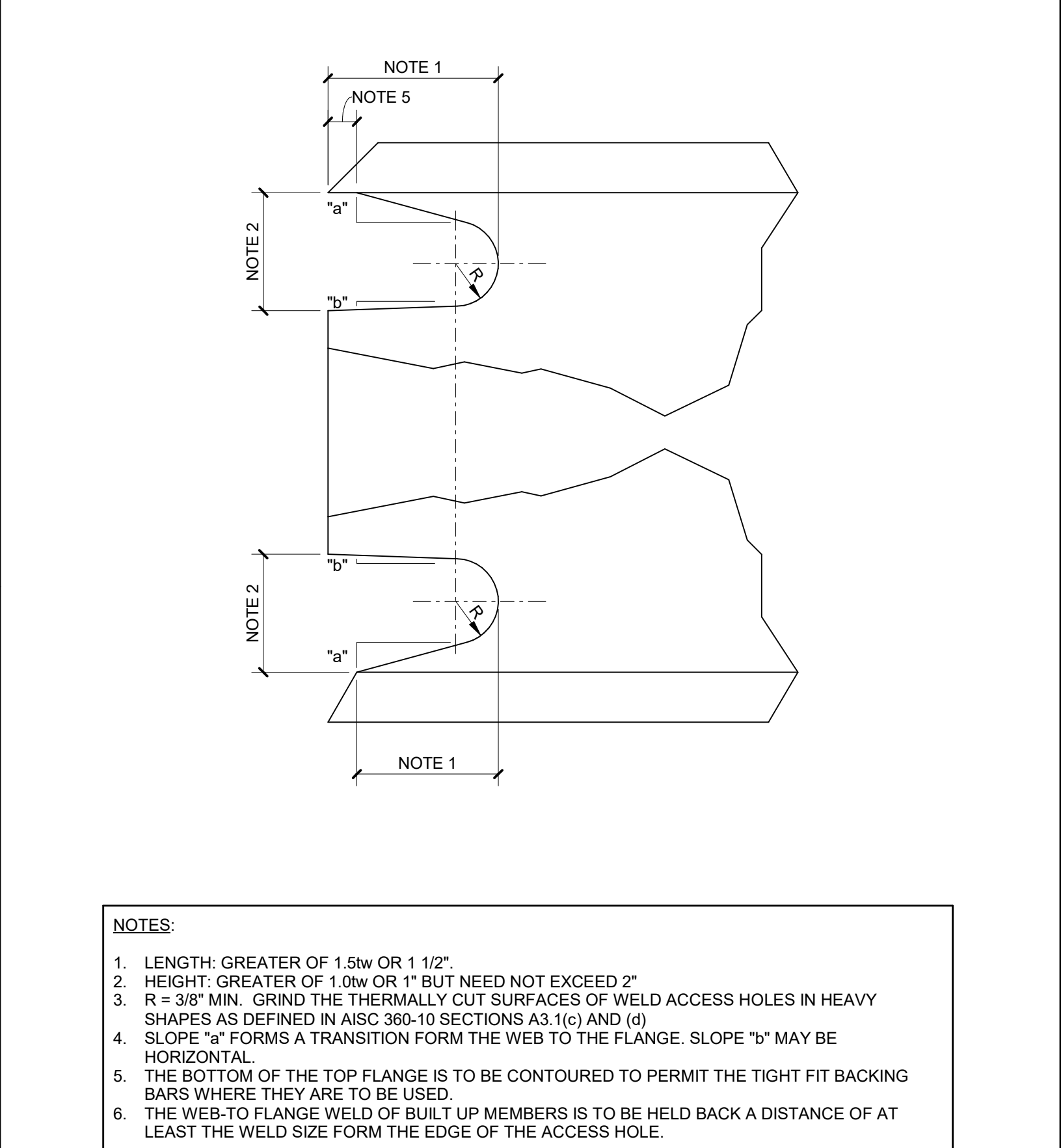
10 SECTION AT SECURITY GRILL FRAME



9 SECTION AT 3RD FLOOR



5 EQUIPMENT PAD AND CURB DETAILS



1 TYPICAL WELD ACCESS HOLE DETAIL