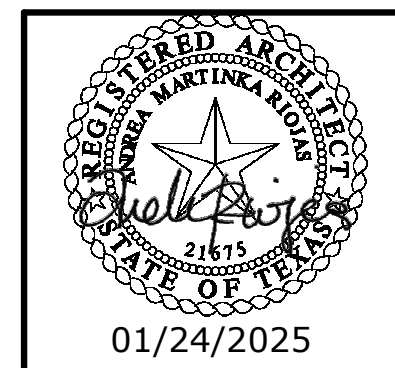


# PHASE III RENOVATION

## WORKFORCE SOLUTIONS 4981 AYERS STREET CORPUS CHRISTI, TX 78415



CONSTRUCTION DOCUMENTS  
01/24/2025

**Garza + McLain**  
www.garza-mclain.com  
STRUCTURAL ENGINEERS, INC.  
13313 Southwest Freeway, Suite 163  
Sugar Land, Texas 77478  
(281) 494-1230 (voice)  
(281) 494-1234 (fax)



615 N. Upper Broadway  
Suite 1250  
Corpus Christi, TX 78401-0750  
T: 361.884.3295  
F: 361.884.3298  
www.clkarch.com

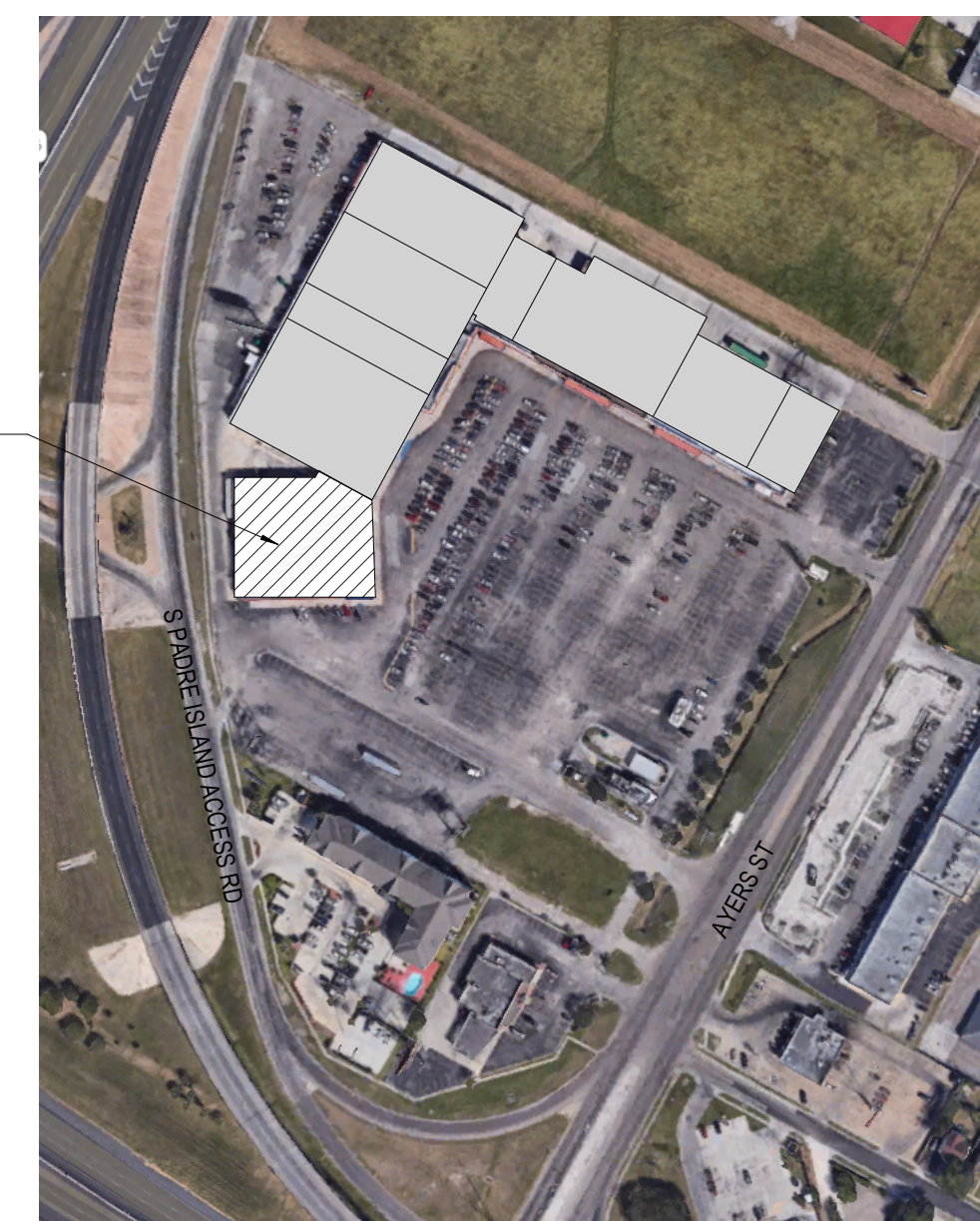
**NRG Engineering**  
Mechanical - Electrical - Plumbing  
5656 S. Staples Suite 360  
Corpus Christi, TX 78411  
T: 361-852-2727  
F: 361-852-2922

### SHEET INDEX

NO.	SHEET NAME	LATEST REVISION	ISSUE DATE
2-COVER			
0	COVER		01/24/2025
3-GENERAL			
G001	ABBREVIATIONS		01/24/2025
G002	ADA - TAS 2012 REQUIREMENTS		01/24/2025
G101	LIFE SAFETY PLANS		01/24/2025
G102	INTERIOR PARTITION TYPE SCHEDULES		01/24/2025
6-DEMOLITION			
D110	DEMOLITION PLAN		01/24/2025
D120	DEMOLITION REFLECTED CEILING PLAN		01/24/2025
7-ARCHITECTURAL			
A100	SITE PLAN		01/24/2025
A101	SITE PLAN - DETAILS		01/24/2025
A110	REFERENCE FLOOR PLAN		01/24/2025
A111	DIMENSION PLAN		01/24/2025
A120	REFLECTED CEILING PLAN		01/24/2025
A201	EXTERIOR BUILDING ELEVATIONS		01/24/2025
A310	DETAILS		01/24/2025
A411	ENLARGED PLANS & INTERIOR ELEVATIONS		01/24/2025
A510	DOOR & WINDOW SCHEDULES		01/24/2025
A610	INTERIOR FINISH PLAN		01/24/2025
A611	INTERIOR ROOM FINISH SCHEDULE & SIGNAGE		01/24/2025
A710	FURNITURE FIXTURE EQUIPMENT & SCHEDULE		01/24/2025
8-STRUCTURAL			
S001	STRUCTURAL GENERAL NOTES		01/24/2025
S100	OVERALL FOUNDATION PLAN		01/24/2025
S110	PLANS AND DETAILS		01/24/2025
S400	TYPICAL FOUNDATION DETAILS		01/24/2025
S415	TYPICAL METAL STUD DETAILS		01/24/2025
S416	TYPICAL METAL STUD DETAILS		01/24/2025
10-MECHANICAL			
M001	MECHANICAL SYMBOLS AND LEGENDS		01/24/2025
MD100	DEMO HVAC PLAN		01/24/2025
M001	MECHANICAL SYMBOLS AND LEGENDS		01/24/2025
M100	HVAC PLAN		01/24/2025
M101	MECHANICAL ROOF PLAN		01/24/2025
M400	MECHANICAL SCHEDULES		01/24/2025
M500	MECHANICAL DETAILS		01/24/2025
M600	MECHANICAL SPECIFICATIONS		01/24/2025

### SHEET INDEX

NO.	SHEET NAME	LATEST REVISION	ISSUE DATE
11-ELECTRICAL			
E001	ELECTRICAL DEMOLITION PLAN		01/24/2025
E100	ELECTRICAL LIGHTING PLAN		01/24/2025
E200	ELECTRICAL POWER PLAN		01/24/2025
E300	SPECIAL SYSTEMS PLAN		01/24/2025
E400	ELECTRICAL ONE-LINE DIAGRAM		01/24/2025
E401	PANELS, SCHEDULES, & ONE-LINE		01/24/2025
E500	ELECTRICAL SPECIFICATIONS & DETAILS		01/24/2025



SITE PLAN

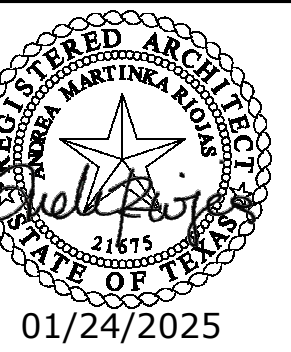


PLAN NORTH

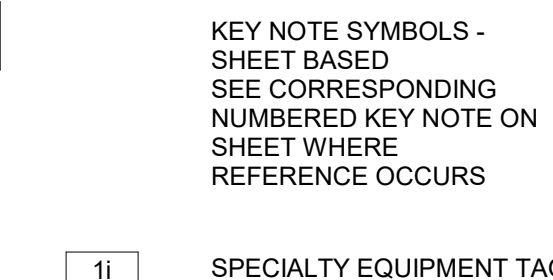
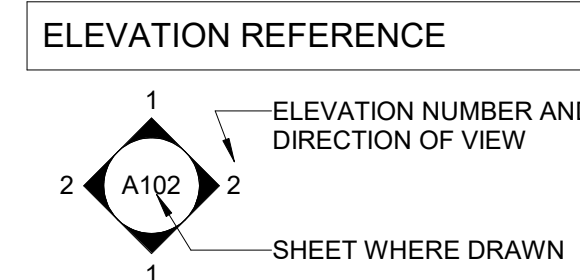
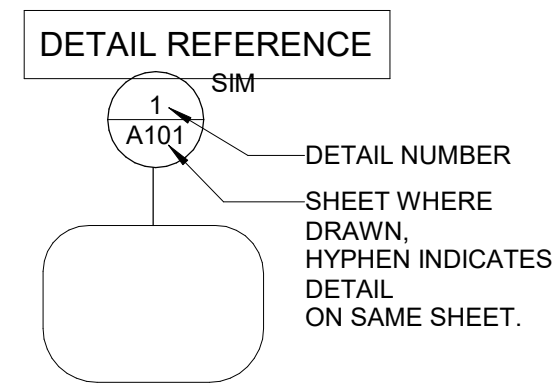
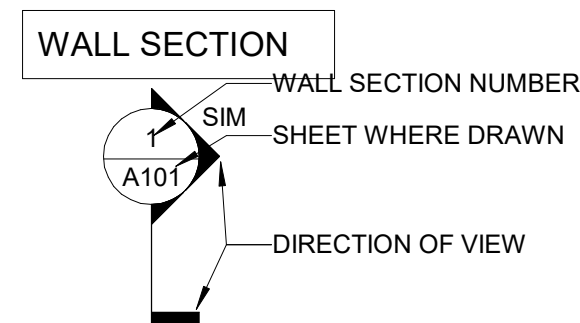
### PROJECT CODE SUMMARY

APPLICABLE CODES & REGULATIONS:	LOCAL ORDINANCES:
2021 ICC INTERNATIONAL BUILDING CODE	
2021 ICC EXISTING BUILDING CODE	
2021 ICC ENERGY CONSERVATION CODE	
2015 ICC INTERNATIONAL FIRE CODE	
2021 ICC FUEL GAS CODE	
2021 ICC MECHANICAL CODE	
2021 ICC PLUMBING CODE	
2020 NFPA NATIONAL ELECTRIC CODE	
2012 TEXAS ACCESSIBILITY STANDARDS	
AMERICANS WITH DISABILITIES ACT, TITLE III	
<b>PROJECT SQUARE FOOTAGE:</b>	
RENOVATION:	6,340 SF
<b>OCCUPANCY &amp; AREA</b>	DETERMINATION REFERENCE
OCCUPANCY TYPE:	B, A IBC SECTION 304.1
OCCUPANT LOAD:	278 IBC 2015 TABLE 1004.1.2
CONSTRUCTION TYPE:	TYPE II-B IBC CH. 6
ALLOWABLE FLOOR AREA:	IBC CH. 5
<b>FIRE RESISTANCE SCHEDULE:</b>	
FLOOR CONSTRUCTION:	0HR IBC TABLE 601 TX ADMIN CODE CH. 135
SECONDARY WF BEAMS/GIRDERS:	0HR
SECONDARY TS COLUMN/TRUSS:	0HR
ROOF CONSTRUCTION:	0 HR IBC TABLE 601
SECONDARY WF BEAMS/GIRDERS:	0 HR
SECONDARY TS COLUMN/TRUSS:	0 HR
INTERIOR RATED WALLS:	N/A ULL419
<b>LIFE SAFETY</b>	
FIRE SPRINKLER SYSTEM:	YES IBC 903.2.6, IFC 1103.5

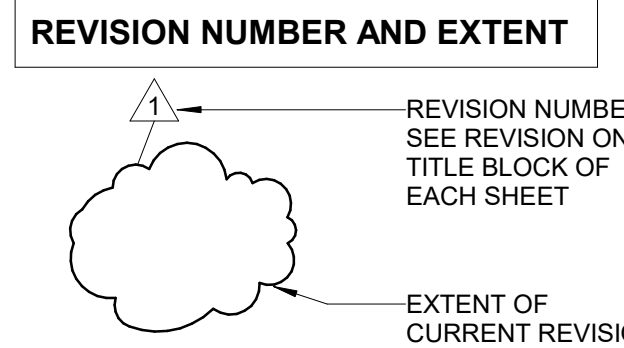
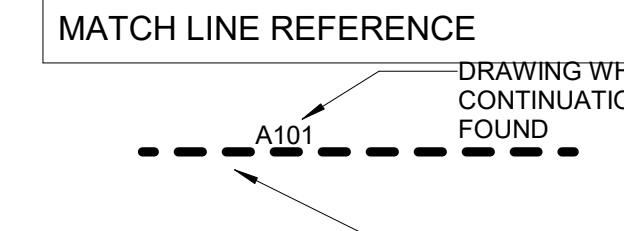
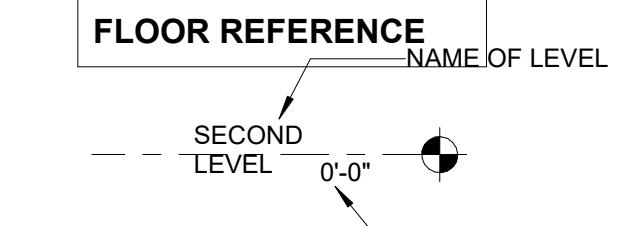




**REFERENCE SYMBOLS & TAGS**



- 12" 6" ROOF PITCH
- # WINDOW TAG
- (101) DOOR NUMBER (SEE SCHEDULE)
- Room name
- 101 ROOM TAG
- (10x) PARTITION TYPE TAG
- SEE PARTITION SYMBOL DESCRIPTION ON SHEET A9.X-X



**INFO - ABBREVIATIONS**

#	POUND OR NUMBER	JAN	JANITOR
&	AND	JT	JOINT
@	AT	JNT.	JOINT
ACT	ACOUSTIC CEILING TILE	LAM	LAMINATE
ADMIN.	ADMINISTRATION OR ADMINISTRATOR	LF.	LEFT
A.F.F.	ABOVE FINISH FLOOR	LO	LOW
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
A.F.G.	ABOVE FINISH GRADE	MCJ	MASONRY CONTROL JOINT
AFG	ABOVE FINISHED GRADE	MECH	MECHANICAL
AL, ALU.	ALUMINUM	MEMBR.	MEMBRANE
ALUM.	ALUMINUM	MFG.	MANUFACTURER
ANOD.	ANODIZED	MANUF.	MANUFACTURER
ASSIST.	ASSISTANT	MIN	MINIMUM
BD.	BOARD	MTD	MOUNTED
B.D.S.	BUILDING	MTG	MOUNTING
B.O.	BOTTOM OF	MTL	METAL
BOT	BOTTOM	N.A.	NOT APPLICABLE
C.F.	CONTRACTOR FURNISHED	N.I.C.	NOT IN CONTRACT
CFB.	CEMENT FIBER BOARD	NO	NUMBER
CG.	CORNER GUARD	O.C.	ON CENTER
C.I.	CONTRACTOR INSTALLED	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
C.I.P.	CAST IN PLACE	OH	OPPOSITE HAND
C.J.	CONTROL JOINT	OPP HD	OPPOSITE HAND
C.L.	CENTER LINE	OZ	OUNCE
CLG	CEILING	PLAM	PLASTIC LAMINATE
CLR	CLEAR	PCC	PRE-CAST CONCRETE
CLS	CLOSE	PLUMB	PLUMBING
CNU	CONCRETE MASONRY UNIT	PLYW.	PLYWOOD
CONC	CONCRETE MASONRY UNIT	PNT.	PAINT, OR PAINTED
CONT	CONTINUOUS	PSI	POUNDS PER SQUARE INCH
COL	COLUMN	PT.	PRESSURE TREATED
CORR	CORRIDOR	PVC	POLYVINYL CHLORIDE
COR.	CORRIDOR	PWR	POWER
CONC.	CONCRETE	RBR	RUBBER
CONF.	CONFERENCE	RCP	REFLECTED CEILING PLAN
CONT.	CONTINUOUS	RD	ROOF DRAIN
CPT	CARPET	REFR	REFERENCE
CT	CERAMIC TILE	REF.	REFERENCE
DBL	DOUBLE	RE.	REFERENCE
DET.	DETAIL	REQ.	REQUIRE OR REQUIRED
DEMO	DEMOLISH OR DEMOLITION	RD	ROOF DRAIN
DIA.	DIAMETER	R.O.	ROUGH OPENING
DISC.	DISCONNECT	RM.	ROOM
DIM.	DIMENSION	RT.	RIGHT
DN	DOWN	SAT	SUSPENDED ACOUSTICAL TILE
DR	DOOR	SCHED	SCHEDULED
DWG	DRAWING	SDT	STATIC DISSIPATIVE TILE
DWGS	DRAWINGS	SF	SQUARE FOOT
EA	EACH	SH	SHEET
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	SIM	SIMILAR
ELEV	ELEVATION	SL	SLOPE
E.J.	EXPANSION JOINT	SO	STRUCTURAL OPENING
ELEC.	ELECTRICAL	SPEC.	SPECIFICATION OR SPECIFIED
ELEV.	ELEVATION	SPK.	SPRINKLER OR SPEAKER
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS (ROOFING)	SQ FT	SQUARE FEET
EQ.	EQUAL	SS	SANITARY SEWER
EQMT.	EQUIPMENT	SSM	SOLID SURFACE MATERIAL
ETR	EXISTING TO REMAIN	SSTL	STAINLESS STEEL
EWC	ELECTRIC WATER COOLER	STC	SOUND TRANSMISSION COEFFICIENT
EXIST.	EXISTING	STRUCT	STRUCTURE, OR STRUCTURAL
EXH.	EXHAUST	STL	STEEL
EXP.	EXPOSED	SYS	SYSTEM
EXT.	EXTERIOR	VCT	VINYL COMPOSITION TILE
F/A, FA	FIRE ALARM	VWC	VINYL WALL COVERING
FD	FLOOR DRAIN	VERT	VERTICAL
FEC	FIRE EXTINGUISHER CABINET	TBD	TO BE DETERMINED
F.F.	FINISH FLOOR	TELE	TELEPHONE
FFE	FURNITURE, FIXTURES, & EQUIPMENT	T&G	TONGUE AND GROOVE
FIN	FINISHED FLOOR ELEVATION	THK.	THICKNESS OR THICK
FL	FLOOR	TLT.	TOILET
FLR.	FLOOR	T.O.	TOP OF
FLUOR	FLUORESCENT	TOB	TOP OF BEAM
F.O.	FACE OF	T.O.C.	TOP OF CONCRETE
FT	FOOT, FEET, OR FLOOR TILE	TOJ	TOP OF JOIST
F.V.	FIELD VERIFY	TOP	TOP OF PARAPET
GA.	GAUGE	TOR	TOP OF ROOF
GALV.	GALVANIZED	T.O.S.	TOP OF STEEL
GFI	GROUND FAULT INTERRUPTER	TPD.	TOILET PAPER DISPENSER
GND.	GROUND	T/D	TELEPHONE / DATA
GYP. BD.	GYPHUM BOARD	TV	TELEVISION
GYP.	GYPHUM BOARD	TYP	TYPICAL
H.C.	HOLLOW CORE	UNO	UNLESS NOTED OTHERWISE
HDW	HARDWARE	UNO	UNLESS OTHERWISE NOTED
H.M.	HOLLOW METAL	U/S	UNDERSIDE
HR	HOUR	VCT	VINYL COMPOSITION TILE
HRS.	HOURS	VEST.	VESTIBULE
HVAC	HEATING, VENTILATING, & AIR CONDITIONING	V.I.F.	VERIFY IN FIELD
INSUL.	INSULATION	VP	VISION PANEL
INT	INTERIOR	W/	WITH
IT	INFORMATION TECHNOLOGY	WB	WALL BASE
		WD	WOOD
		WT	WALL TILE

REVISIONS	
DATE	DESCRIPTION

**WORKFORCE SOLUTIONS**  
**PHASE III RENOVATION**  
 4981 AYERS STREET  
 CORPUS CHRISTI, TX 78415  
**ABBREVIATIONS**  
THIS DOCUMENT IS THE PROPERTY OF WORKFORCE SOLUTIONS. IT IS TO BE USED ONLY FOR THE PROJECT AND AT THE SITE SPECIFICALLY IDENTIFIED IN THE PROJECT AGREEMENT. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF WORKFORCE SOLUTIONS.

JOB NO.	202415
PHASE:	CONSTRUCTION DOCUMENTS
ISSUE DATE:	01/24/2025
DRN. BY:	Author
CKD. BY:	Checker

SHEET NUMBER  
**G001**



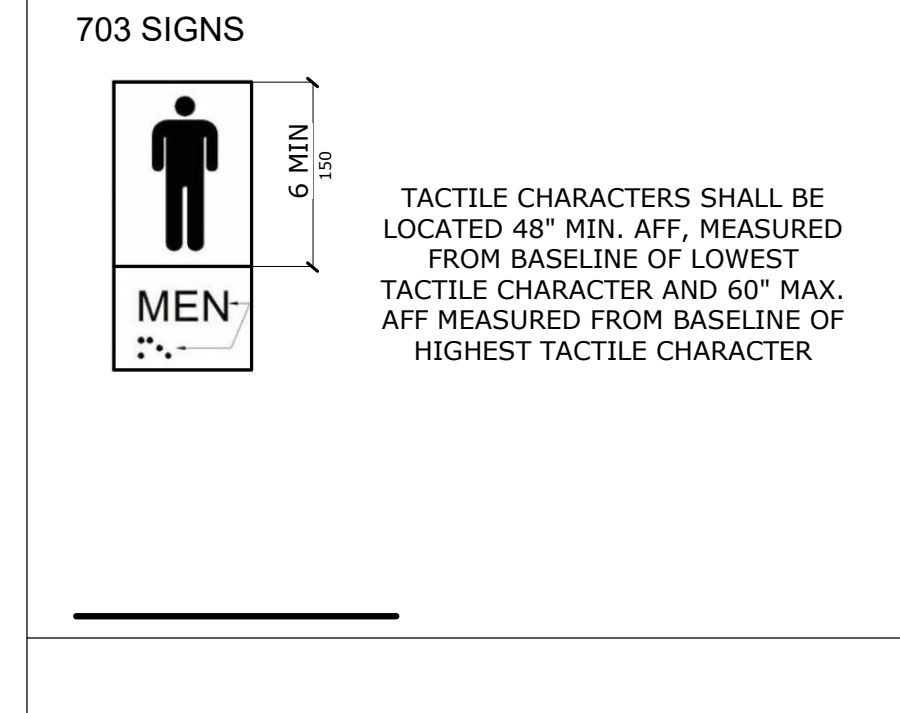
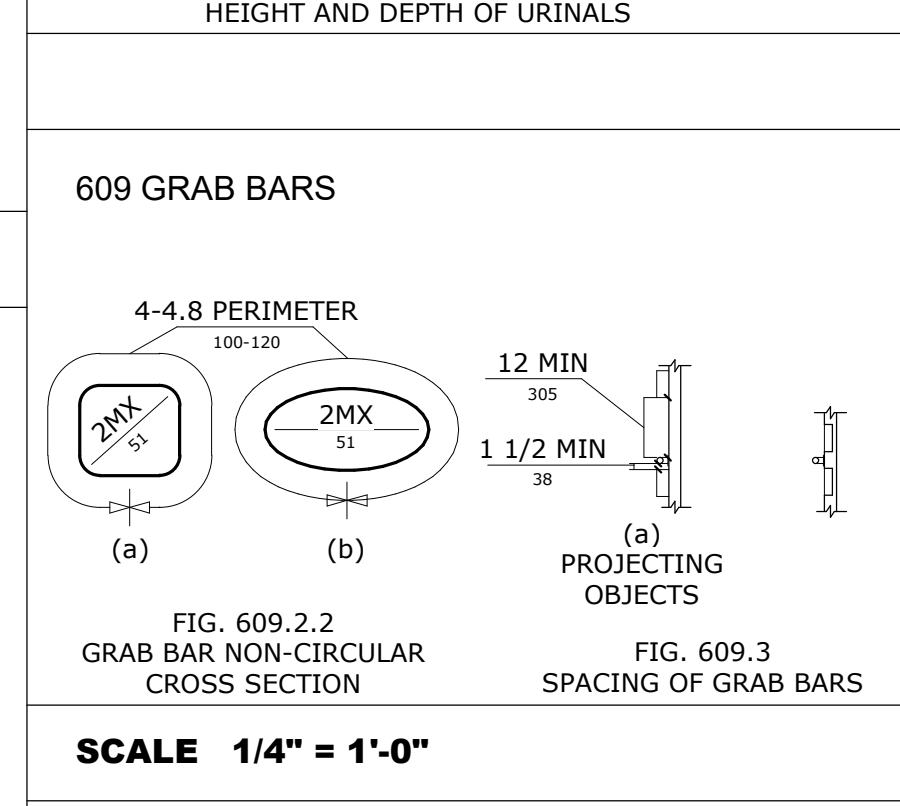
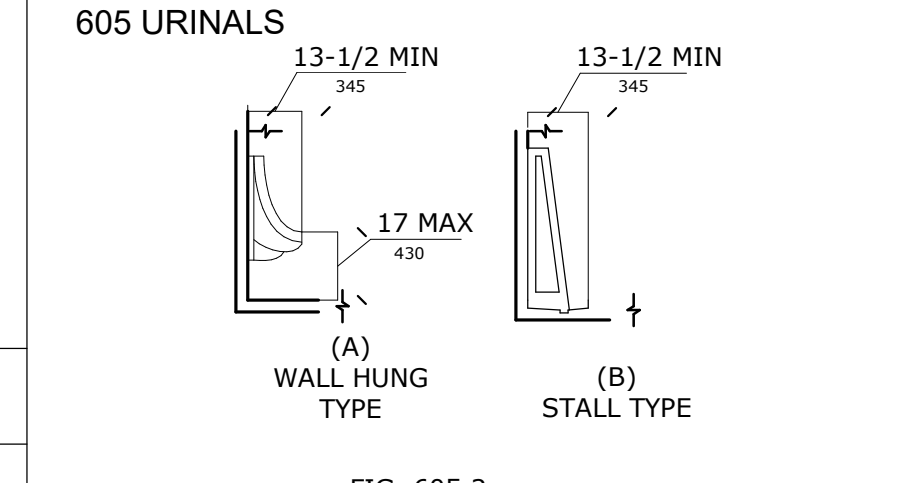
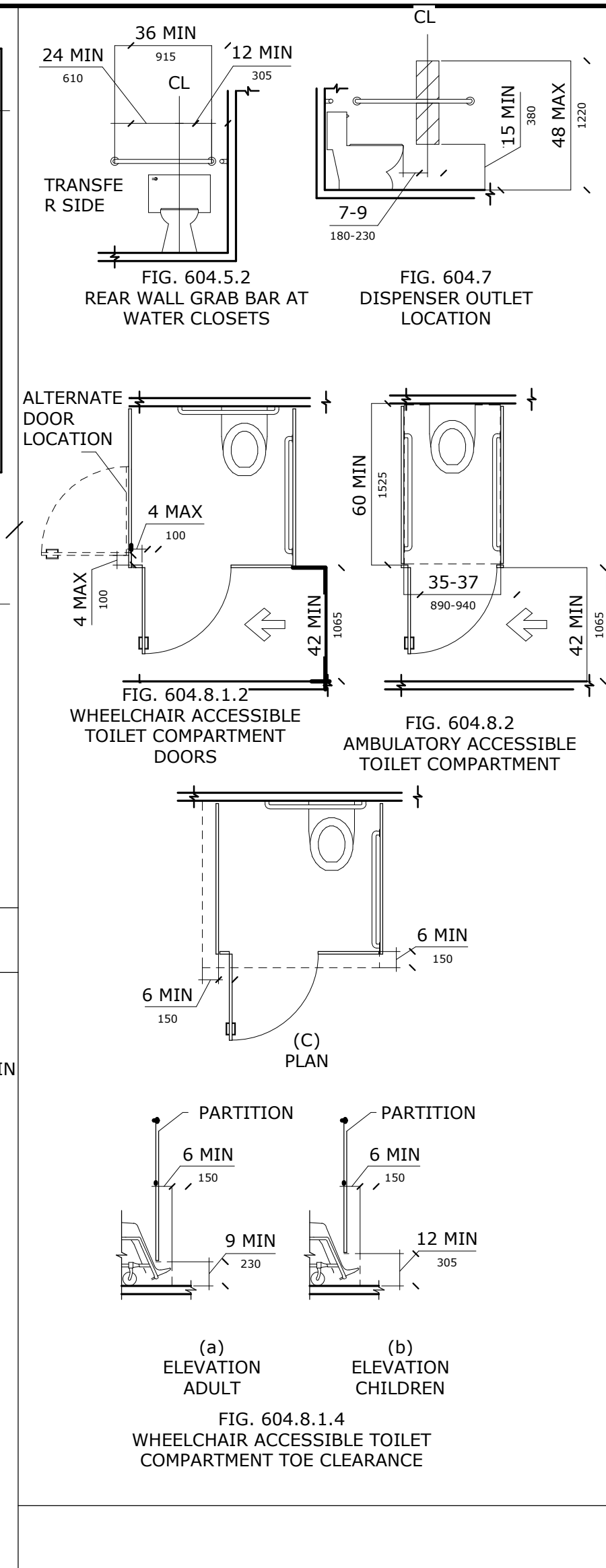
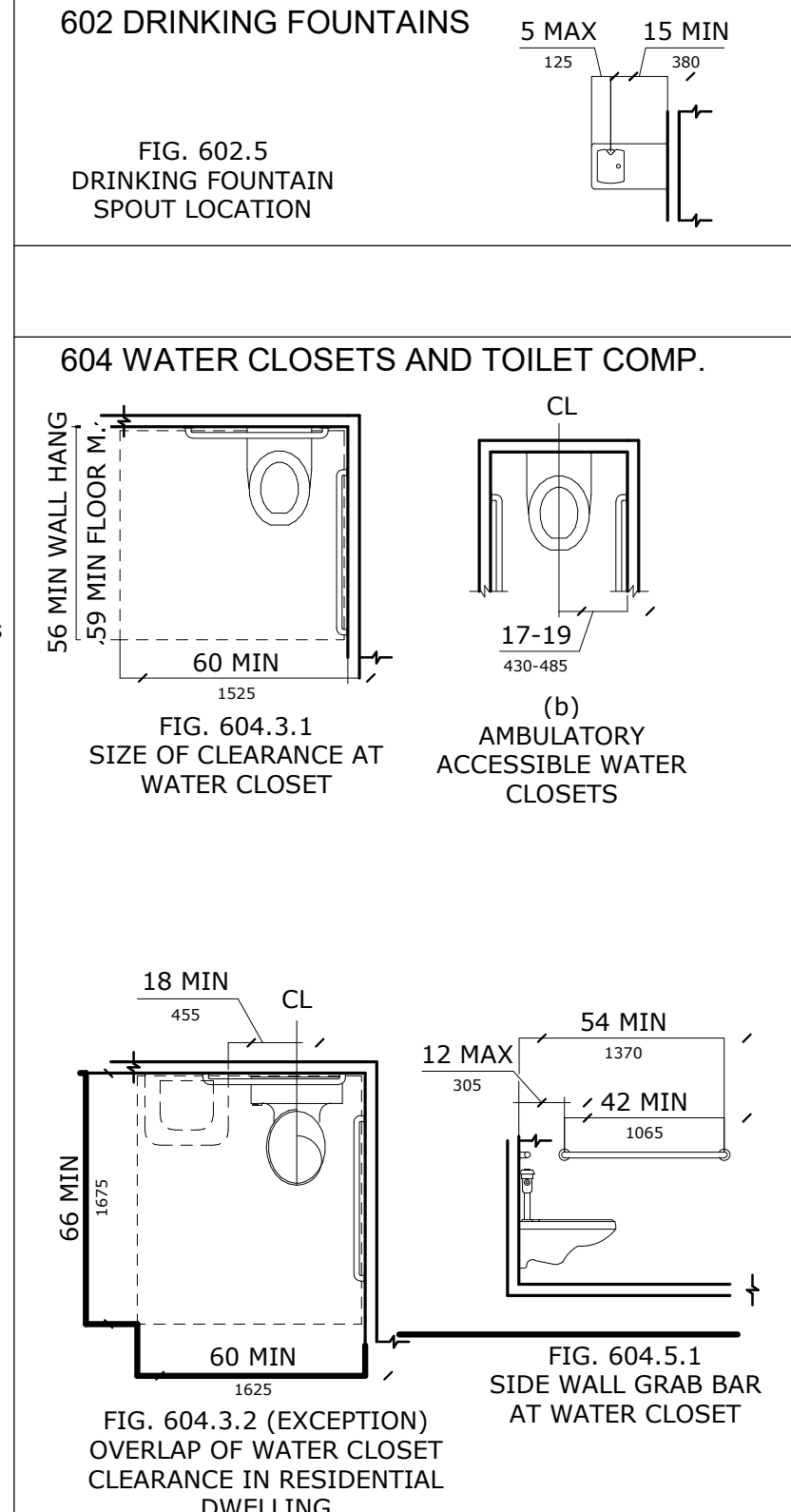
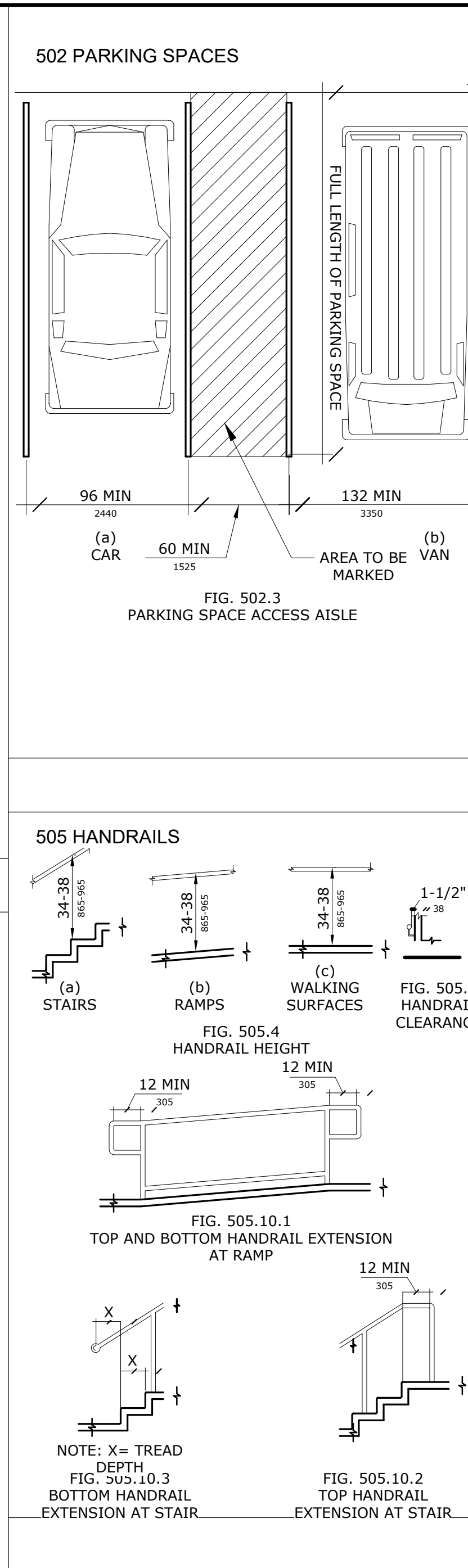
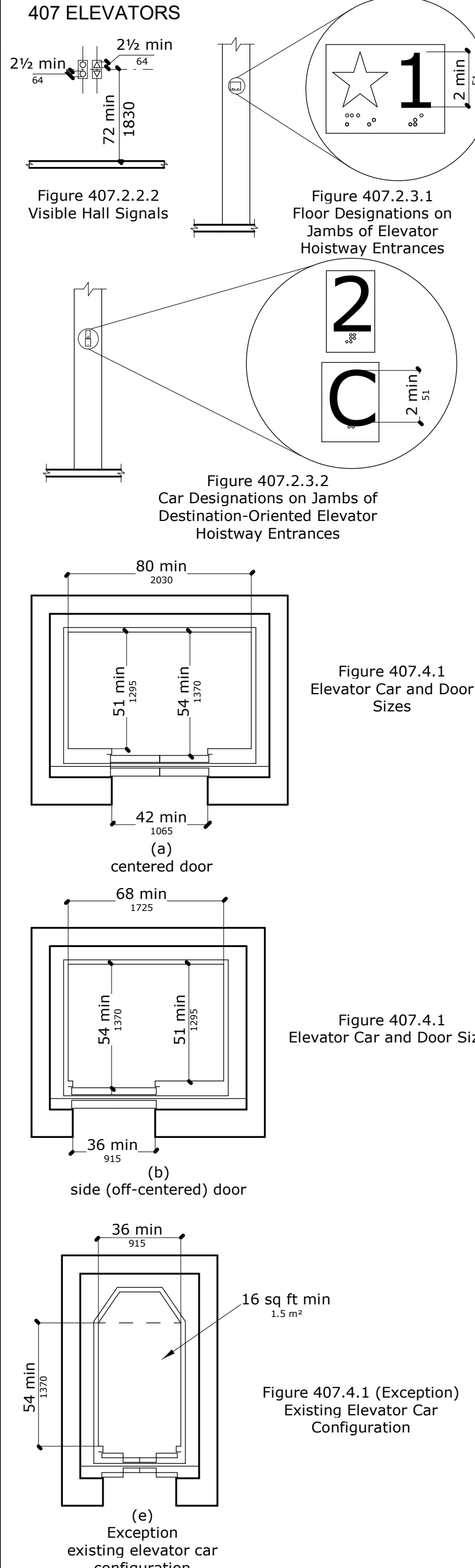
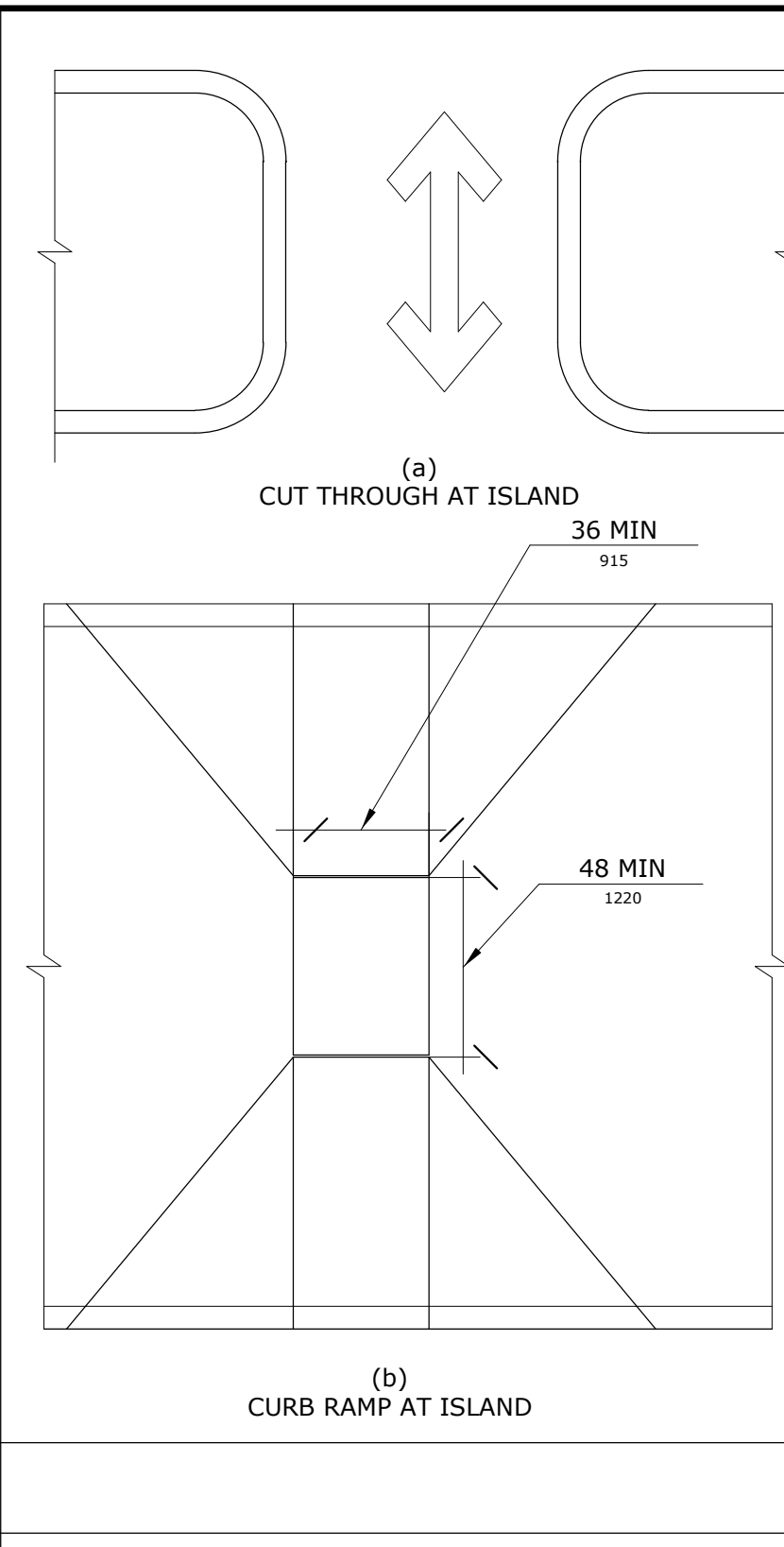
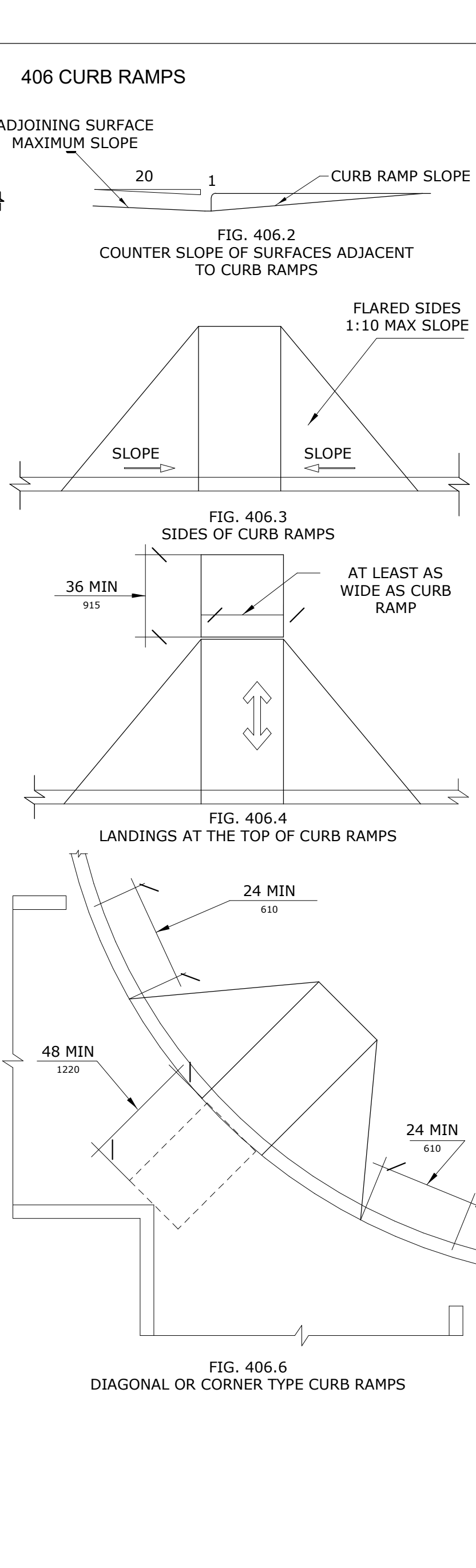
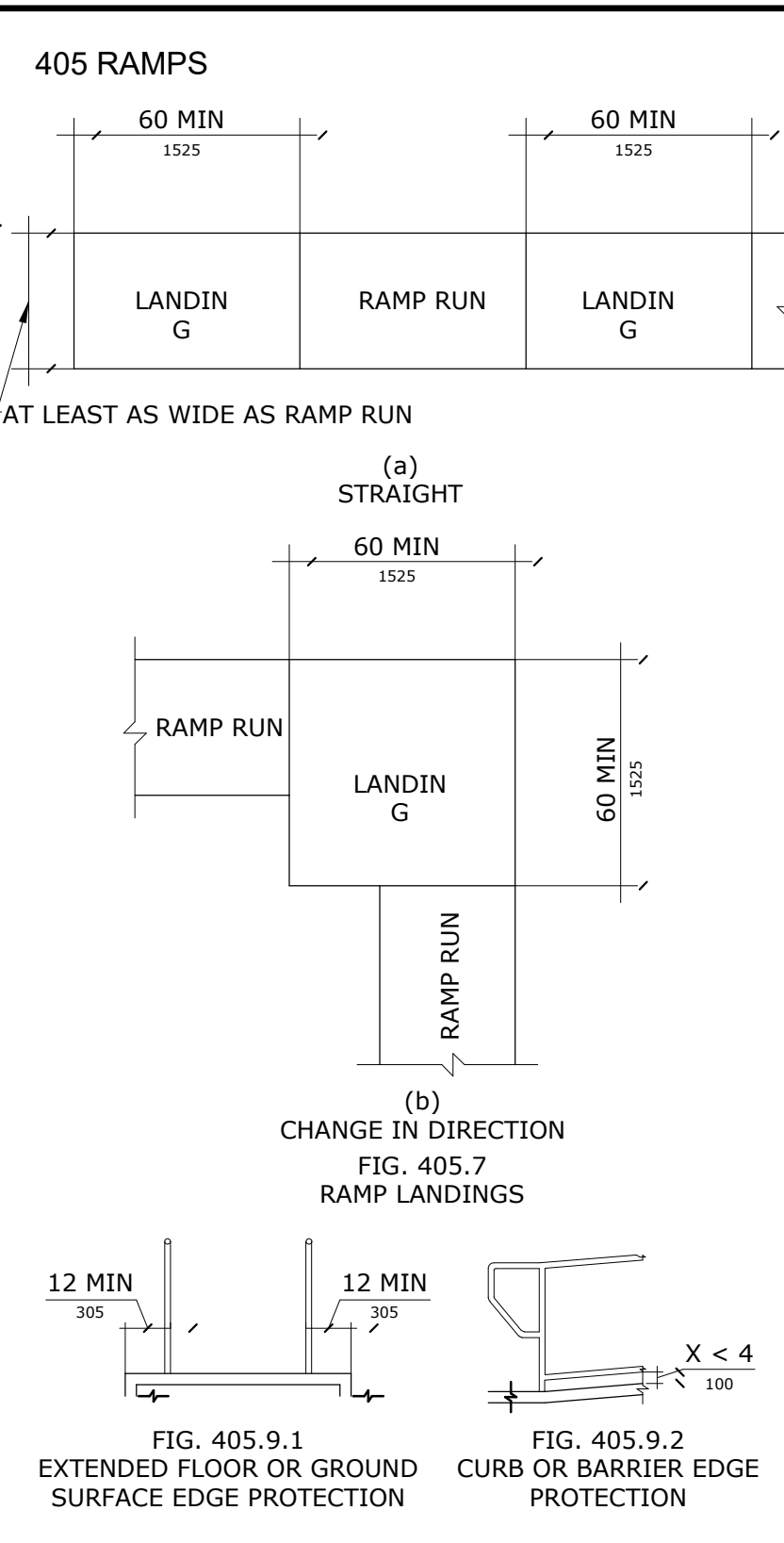
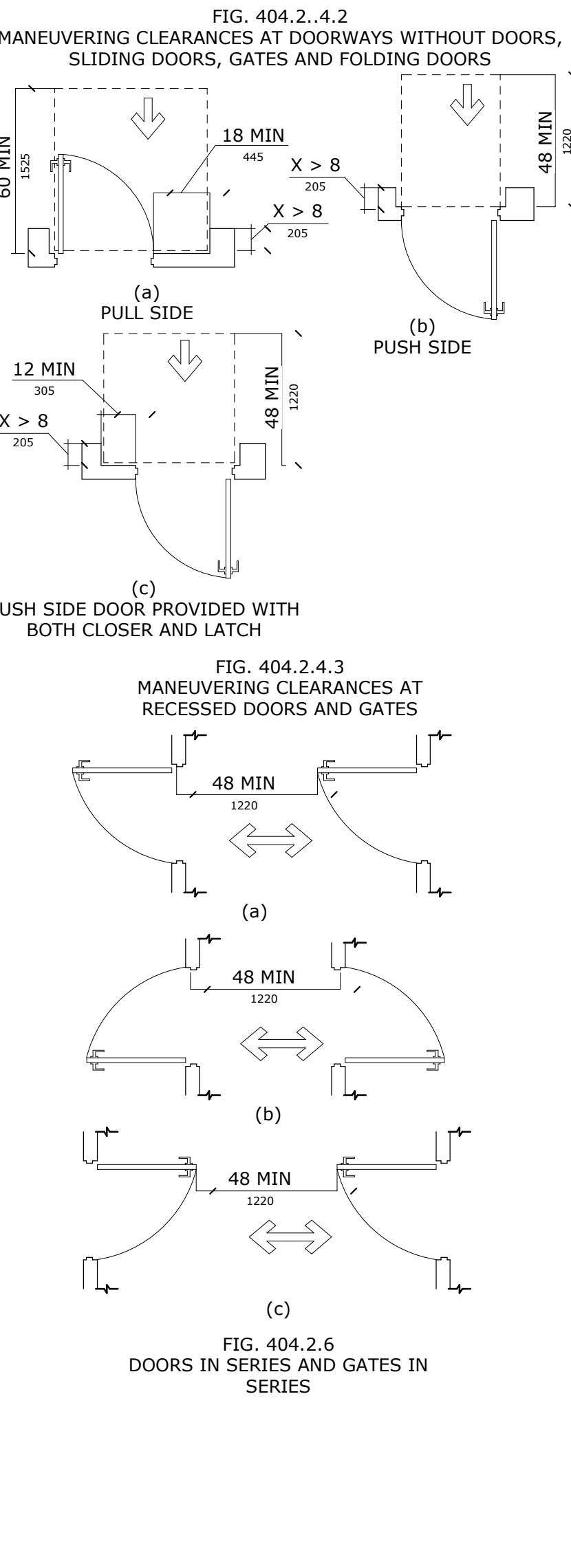
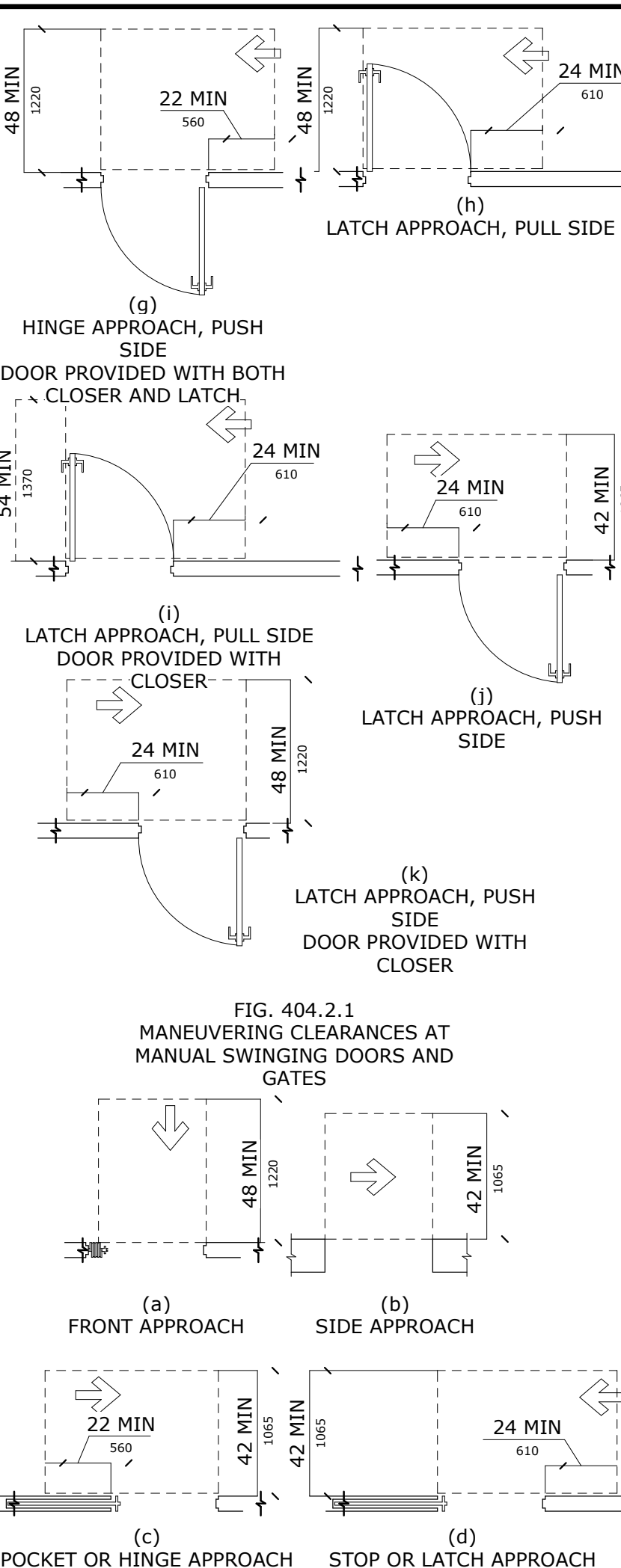
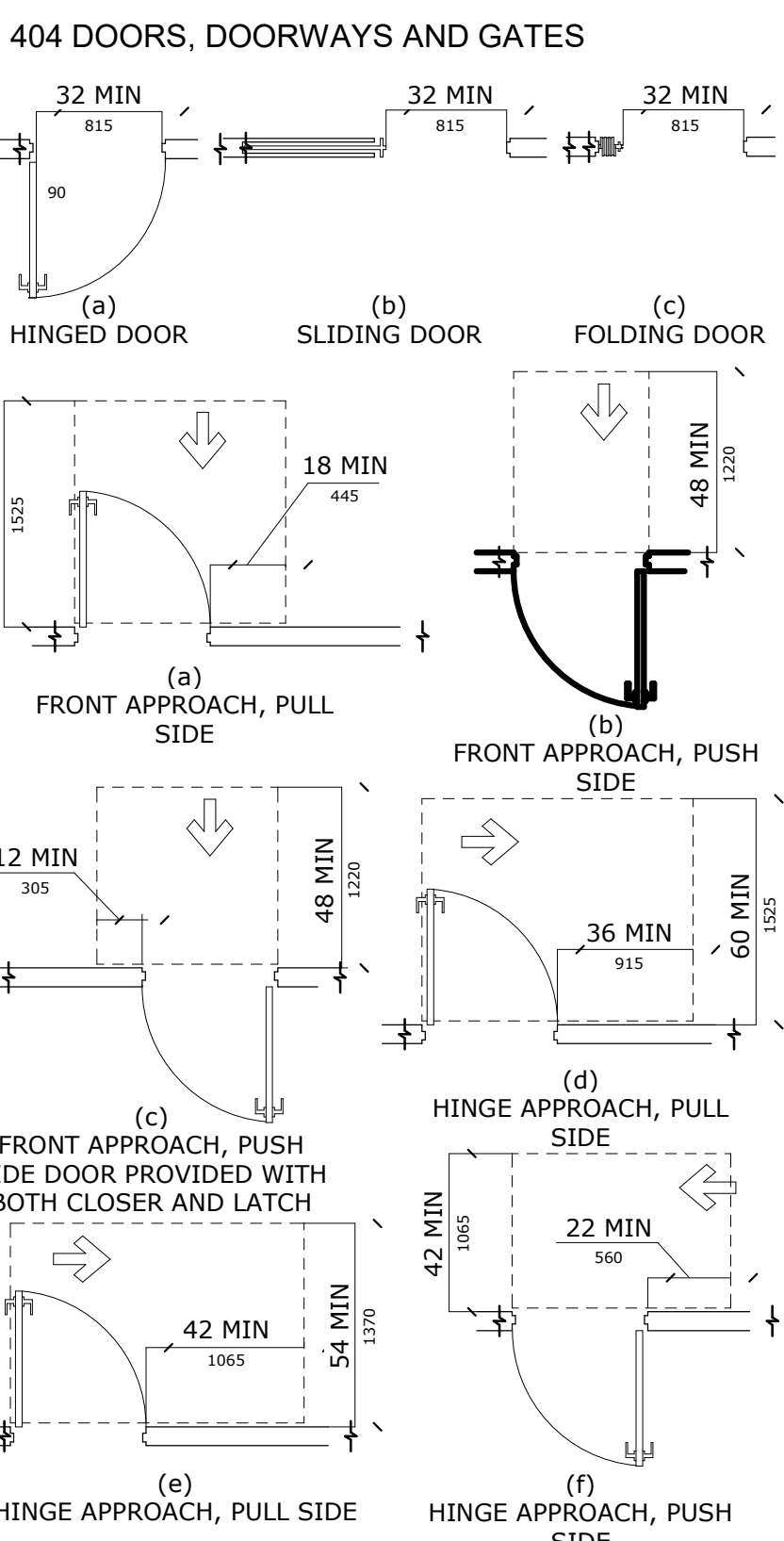
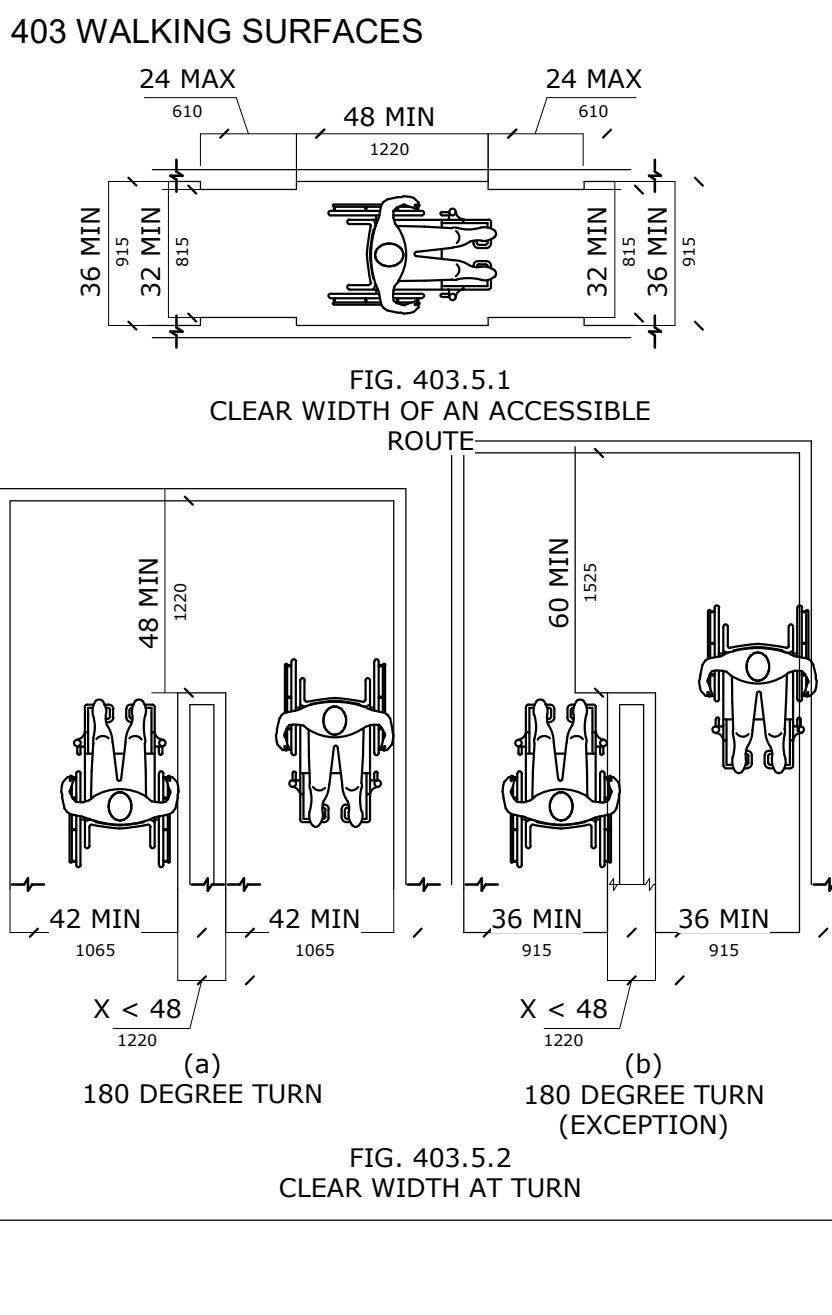
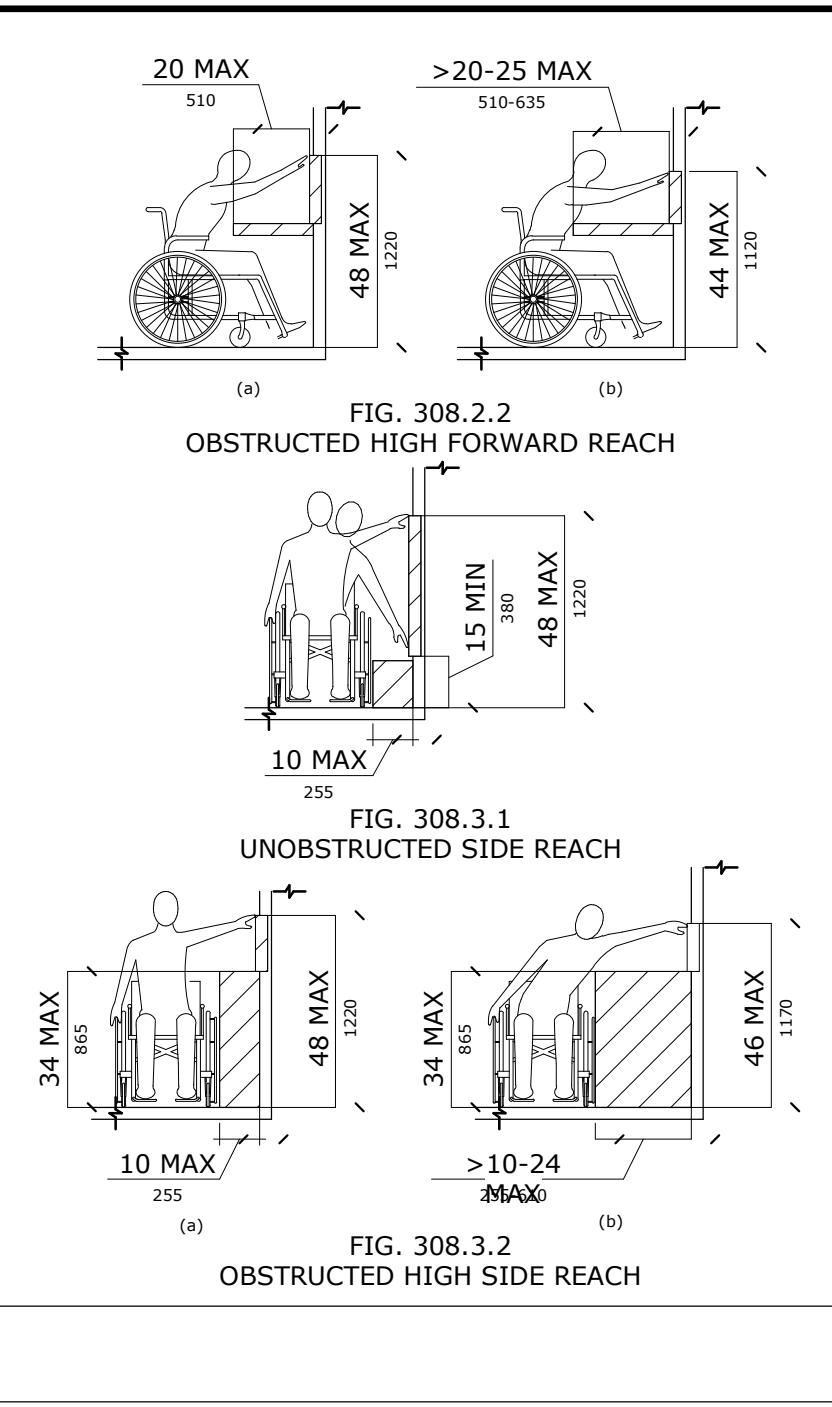
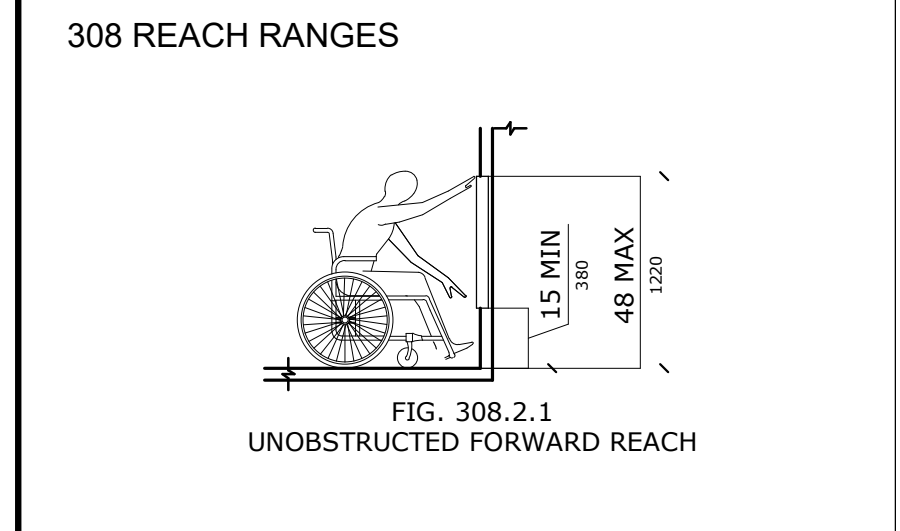
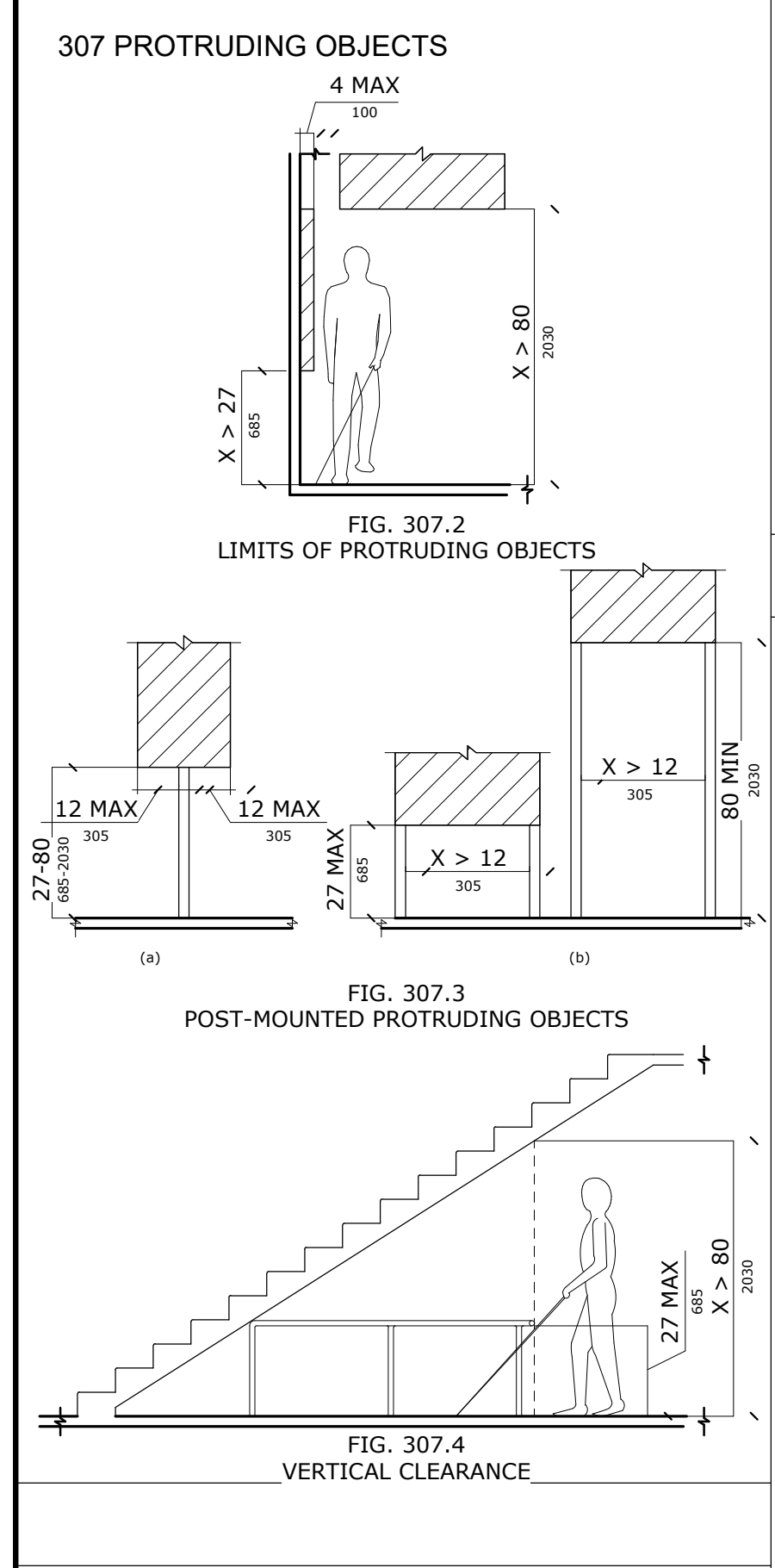
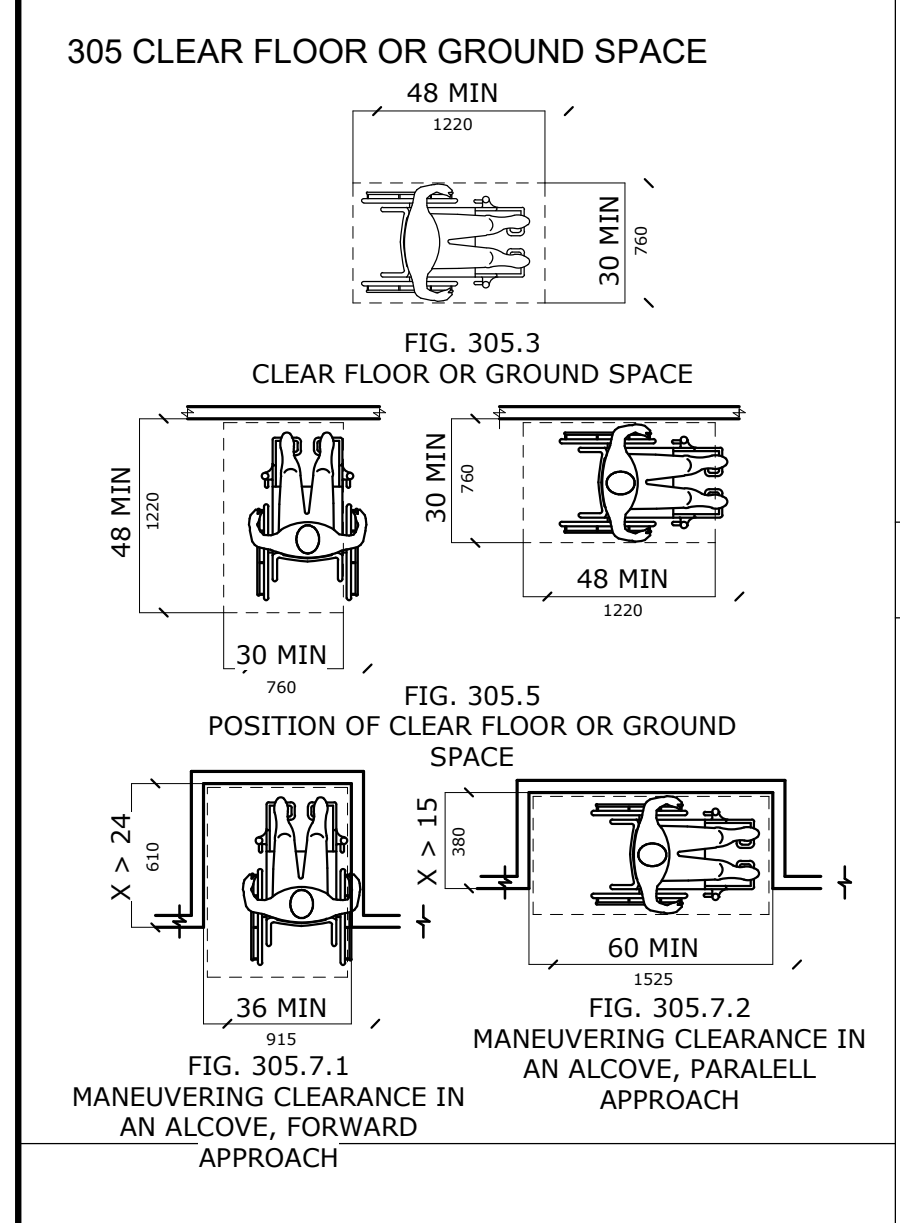
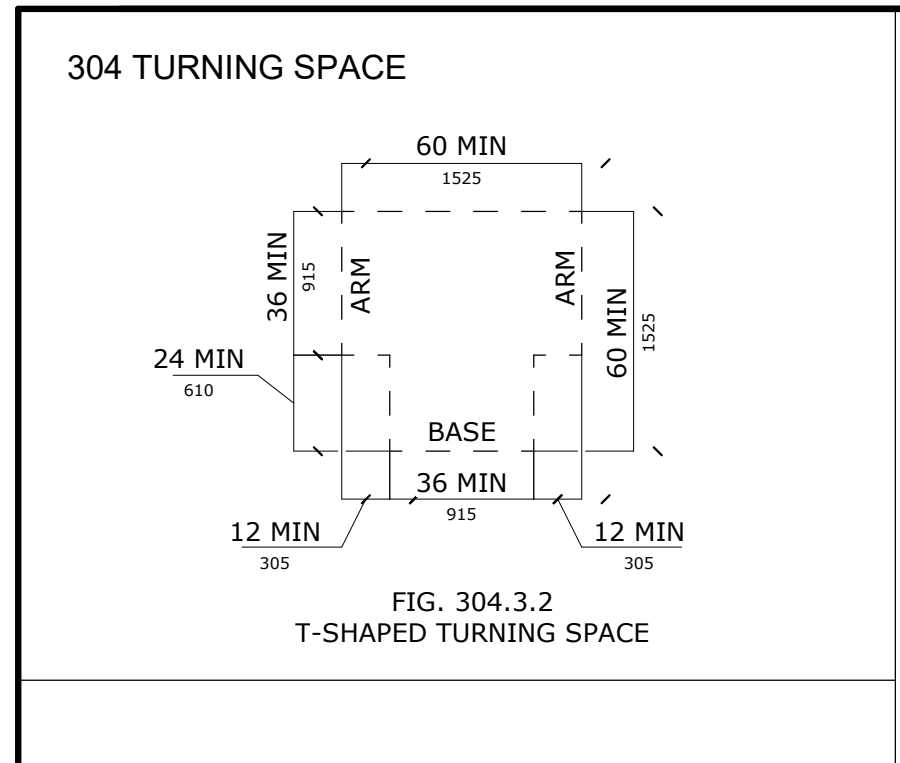
REVISIONS		
DATE	DESCRIPTION	MARK

**WORKFORCE SOLUTIONS  
PHASE III RENOVATION**  
4981 AYERS STREET  
CORPUS CHRISTI, TX 78415

**ADA - TAS 2012 REQUIREMENTS**

JOB NO. 202415  
PHASE: CONSTRUCTION DOCUMENTS  
ISSUE DATE: 01/24/2025  
DRN. BY: Author  
CKD. BY: Checker

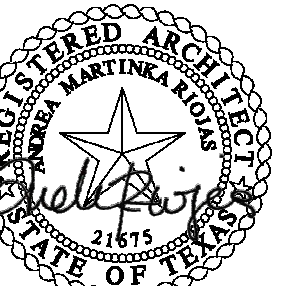
SHEET NUMBER  
**G002**











01/24/2025



615 N. Upper Broadway  
Suite 1250  
Corpus Christi, TX  
78401-0750

REVISIONS

Table with columns: DATE, DESCRIPTION, MARK.

WORKFORCE SOLUTIONS  
PHASE III RENOVATION  
4981 AYERS STREET  
CORPUS CHRISTI, TX 78415  
INTERIOR PARTITION TYPE SCHEDULES

JOB NO. 202415  
PHASE: CONSTRUCTION DOCUMENTS  
ISSUE DATE: 01/24/2025  
DRN. BY: AG  
CKD. BY: AR

SHEET NUMBER  
G102

PARTITION TYPES  
GENERAL NOTES

- 1. REFER TO FLOOR PLAN SERIES A-100 FOR LOCATION OF PARTITION TYPES. NOT ALL PARTITION TYPES SHOWN ARE UTILIZED.
2. REFER TO A-600 SERIES FOR FINAL FINISHES ON PARTITIONS. PARTITION TYPES IN CHARTS REFER TO BASE WALL ONLY.
3. WHEN BLOCKING REQUIRED IN A PARTITION, USE A MINIMUM .033" (20 GA) STUD.
4. 'LINE OF STRUCTURE' AS SHOWN AT THE HEAD CONDITIONS OF THE PARTITION DETAIL DOES NOT INDICATE THE EXACT CONSTRUCTION CONDITION. REFER TO G-100 SERIES FOR ADDITIONAL INFORMATION CONCERNING RATED PARTITIONS.
5. ISOLATE NON-LOAD BEARING FRAMING FROM STRUCTURAL ELEMENTS TO PREVENT THE TRANSFER OF LOAD TO PARTITION FRAMING. STOP STUDS 3/4" BELOW CEILING RUNNER (TOP TRACK) TO ALLOW FOR VERTICAL EXPANSION. SET TOP TRACK 1" BELOW DEFLECTION CHANNEL. DO NOT ATTACH STUDS TO TOP TRACK. DO NOT ATTACH GYPSUM BOARD TO THE DEFLECTION TRACK. THIS MAY ALSO BE ACHIEVED, AT THE CONTRACTOR'S OPTION, BY UTILIZING THE PROPRIETARY SYSTEM DESCRIBED IN THE SPECIFICATIONS.
6. REFER TO G-100 SERIES FOR NOTES REGARDING STUDS AT OPENINGS.

FIRE RATED PARTITIONS

- 1. REFER TO G-100 SERIES FOR ADDITIONAL INFORMATION ON PENETRATIONS THRU RATED PARTITIONS, FIRE RESISTANT JOINT SYSTEMS, SLIP TRACKS AT NON-BEARING PARTITIONS CONNECTION TO STRUCTURE AND WALL PRIORITY.
ACOUSTICAL (THE FOLLOWING NOTES APPLY TO ALL PARTITIONS DESIGNATED TO HAVE A SOUND TRANSMISSION CLASS (STC) RATING ON THE PARTITION CHARTS):

- 1. ALL ACOUSTICALLY CLASSED PARTITIONS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE REFERENCED TEST.
2. STAGGER AND SEAL ALL JOINTS ON MULTIPLE GYPSUM BOARD LAYER PARTITIONS.
3. SEAL PARTITIONS AIR TIGHT AT FLOORS, SIDES, AND CEILINGS ON BOTH SIDES WITH NON-HARDENING ACOUSTICAL SEALANT IN ACCORDANCE TO REFERENCED TEST.
4. ALL BATTS AND BLANKETS IN RATED PARTITIONS MUST BEAR THE REQUIRED UL CLASSIFICATION MARKING AS TO FIRE-RESISTANCE. REFER TO G-100 SERIES.
5. AVOID COMPRESSING ACOUSTICAL BATT INSULATION AT BLOCKING AND RECESSED ITEMS IN ACOUSTIC RATED WALLS.
6. SEAL ALL WALL INTERSECTIONS AND CONTROL JOINTS AT ACOUSTICALLY CLASSED PARTITIONS.
7. SEAL ALL CONDUIT, STRUCTURAL, DUCT AND LARGE PIPE PENETRATIONS ACCORDING TO CODE COMPLIANCE DETAILS. REFERENCE PROJECT CODE SUMMARY.
8. OUTLETS ON OPPOSITE SIDES OF ACOUSTICALLY CLASSED PARTITIONS SHOULD BE SEPARATED BY A MINIMUM OF ONE STUD. SEAL OUTLETS IN AS REQUIRED. IF THE PARTITION IS FIRE RATED THEN REFER TO PROJECT CODE SUMMARY.
9. ALL BOXES REQUIRED TO BE ACOUSTICALLY SEALED SHALL BE SEALED PRIOR TO CLOSING IN PARTITIONS AND INSTALLING DEVICES AND COVER PLATES. VERIFY COMPLIANCE WITH STCF.



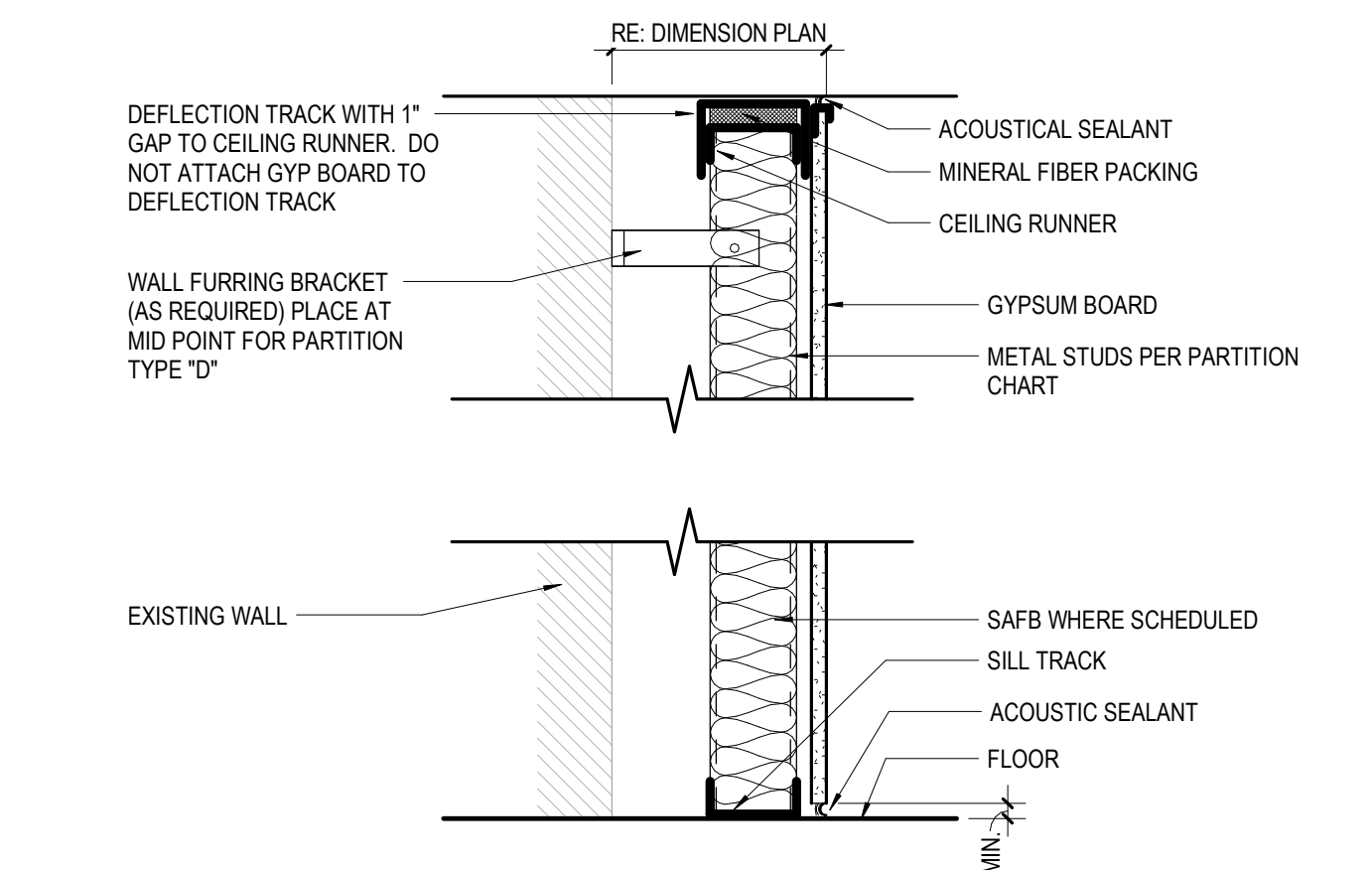
Table with columns: STUD SIZE, BASIC PARTITION THICKNESS, ACOUSTICAL INSULATION THICKNESS, ACOUSTICAL TEST NUMBER, FIRE TEST NUMBER (WHERE APPLICABLE). Rows include 1-HR RATED WITH GYP BD TO STRUCTURE ABOVE, NON-RATED WITH GYP BD TO STRUCTURE ABOVE, etc.

NOTE:
1. REFER TO INTERIOR PARTITION DETAILS FOR PARTIAL HEIGHT PARTITION DETAIL.
2. REFER TO INTERIOR PARTITION DETAILS FOR FLOOR DETAIL.
3. STC IS PREDICTED USING TEST REPORT PROVIDED BY CLARK/DIETRICH.
4. STC IS APPROXIMATED BY REFERENCE BASED ON 0.033" THICK (20 GA) STUDS @ 24" O.C. STC RATING NOT APPLICABLE WHERE DIFFERENT SPACING IS SPECIFIED.
5. WHERE THE PARTITION TAG INCLUDES THE SUFFIX "L", PROVIDE LEAD SHIELDING IN PARTITION TO HEIGHT OF 7'-0", AS SPECIFIED.
6. PROVIDE 5/8" THK CEMENT BOARD IN LIEU OF GYP. BOARD AS SUBSTRATE FOR AREAS FINISHED WITH WALL TILE.
7. WHERE AN "N" NEXT TO THE PARTITION TAG, GYP BD ON THE SIDE OF TAG IS TO BE FLOATED TO DECKING ABOVE. IF INSULATION IS IN WALL ASSEMBLY, IT IS TO BE TAKEN TO THE HEIGHT OF 6" ABOVE CEILING. REFER TO DETAIL 6/G102.
8. AT LOCATIONS WHERE STUDS EXTEND MORE THAN 18", SPACING SHALL BE 12" O.C. SEE S415 FOR DETAILS.

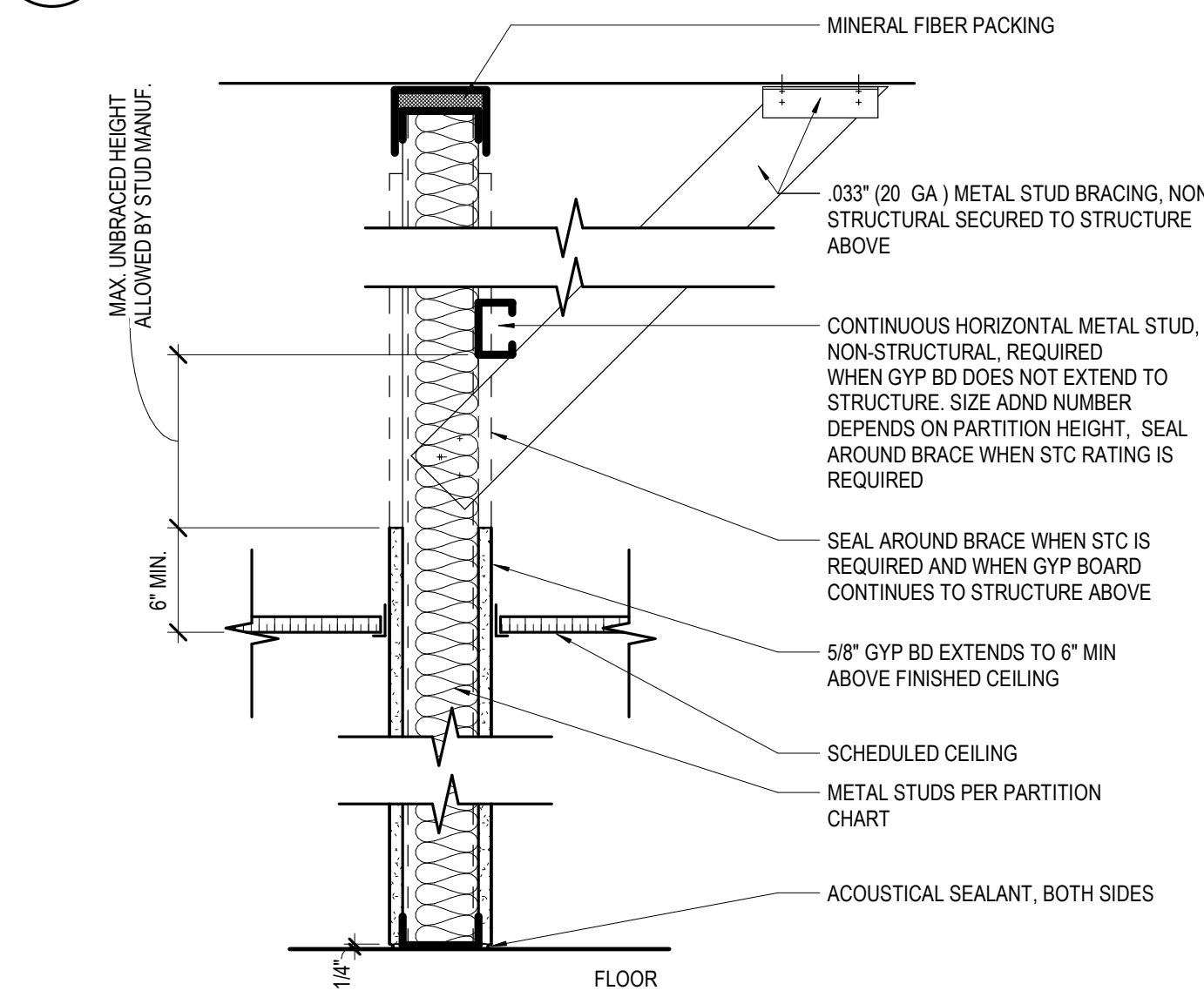


Table with columns: STUD SIZE, BASIC PARTITION THICKNESS, ACOUSTICAL INSULATION THICKNESS, ACOUSTICAL TEST NUMBER. Rows include NON-RATED WITH GYP BD TO STRUCTURE ABOVE, NON-RATED WITH GYP BD TO 6\"/>

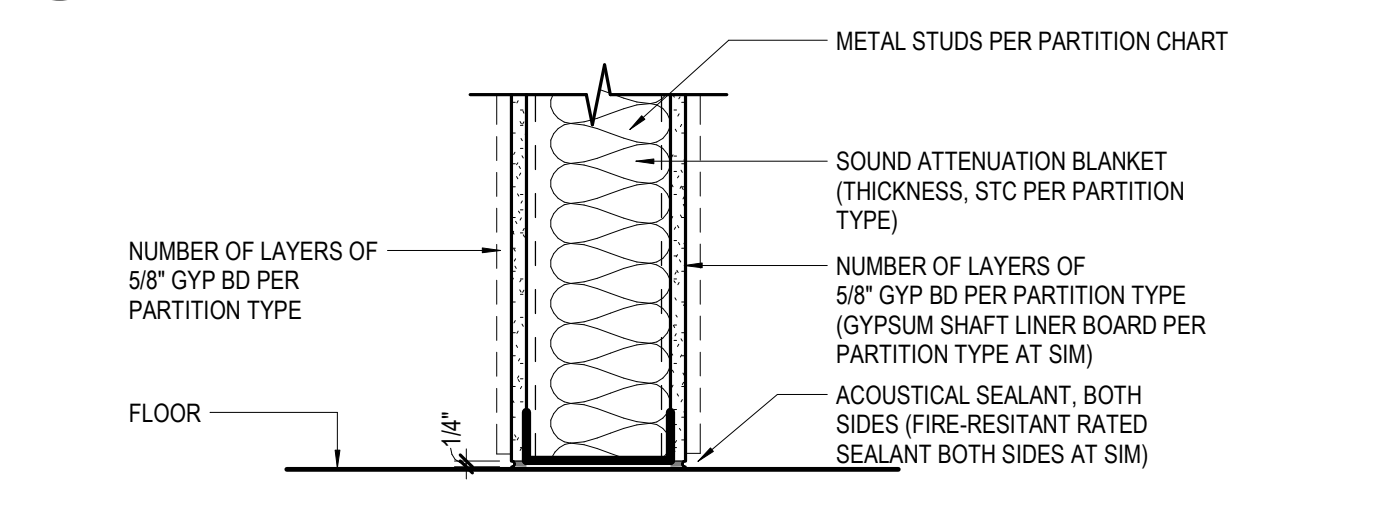
NOTE:
1. STC RATINGS ARE PREDICTED USING THE "INSUL" COMPUTER PROGRAM.
2. STC RATINGS ARE BASED ON 0.018" THICK (25 GA) STUDS ONLY; OTHERWISE, STC RATING NOT REQUIRED.
3. WHERE THE PARTITION TAG INCLUDES THE SUFFIX "L", PROVIDE LEAD SHIELDING IN PARTITION TO HEIGHT OF 7'-0", AS SPECIFIED.
4. PROVIDE 5/8" THK CEMENT BOARD IN LIEU OF GYP. BOARD AS SUBSTRATE FOR AREAS FINISHED WITH WALL TILE.



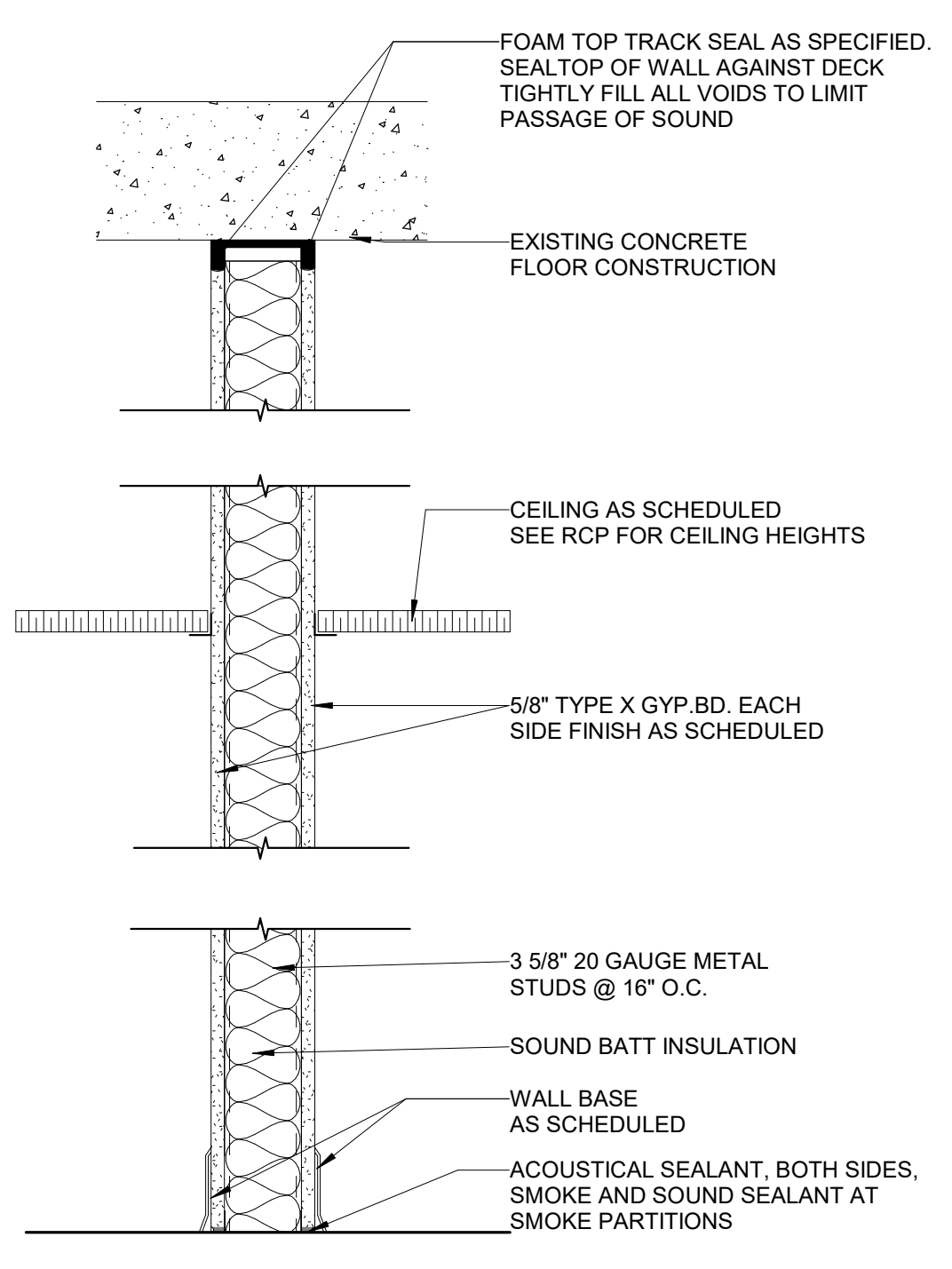
1 PARTITION SECTION  
G102 SCALE: 1 1/2" = 1'-0"



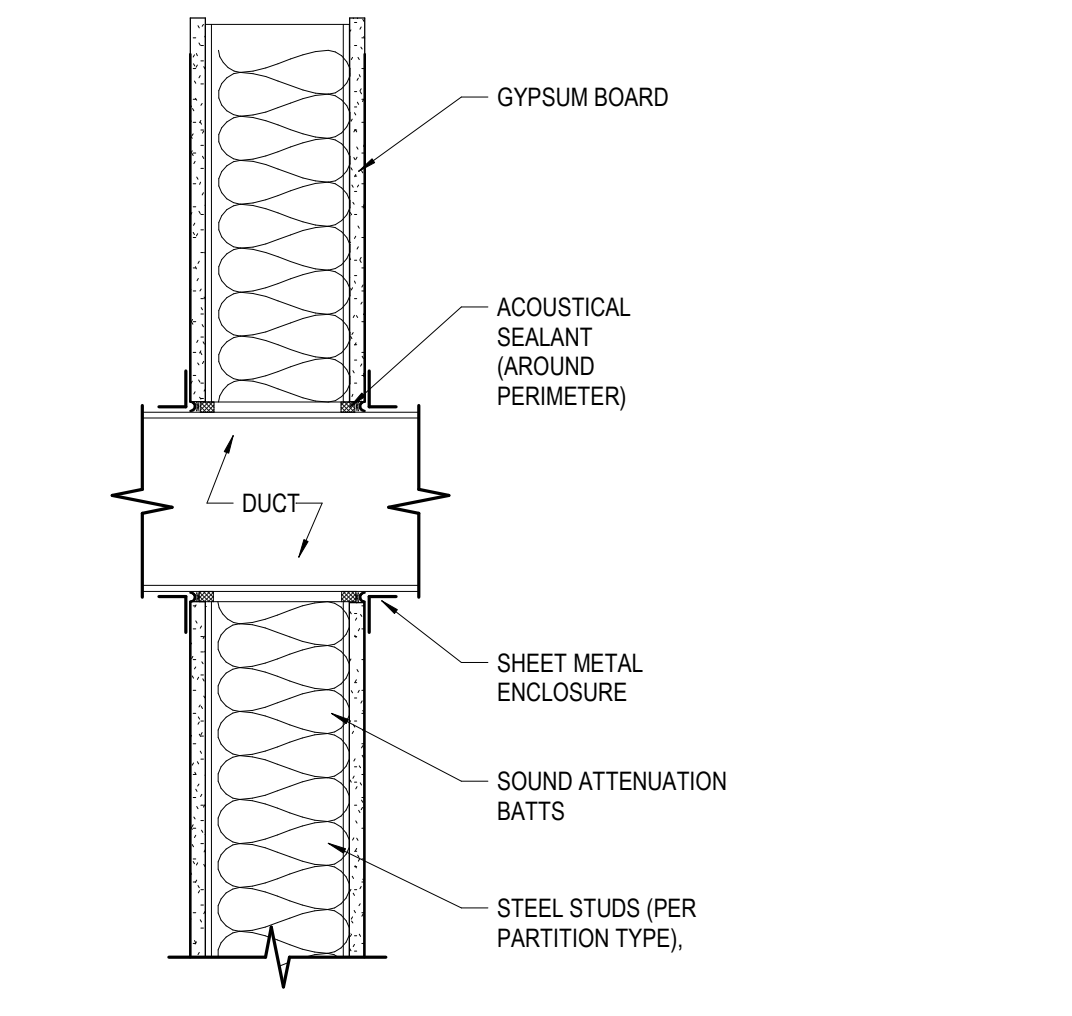
2 PARTITION SECTION  
G102 SCALE: 1 1/2" = 1'-0"



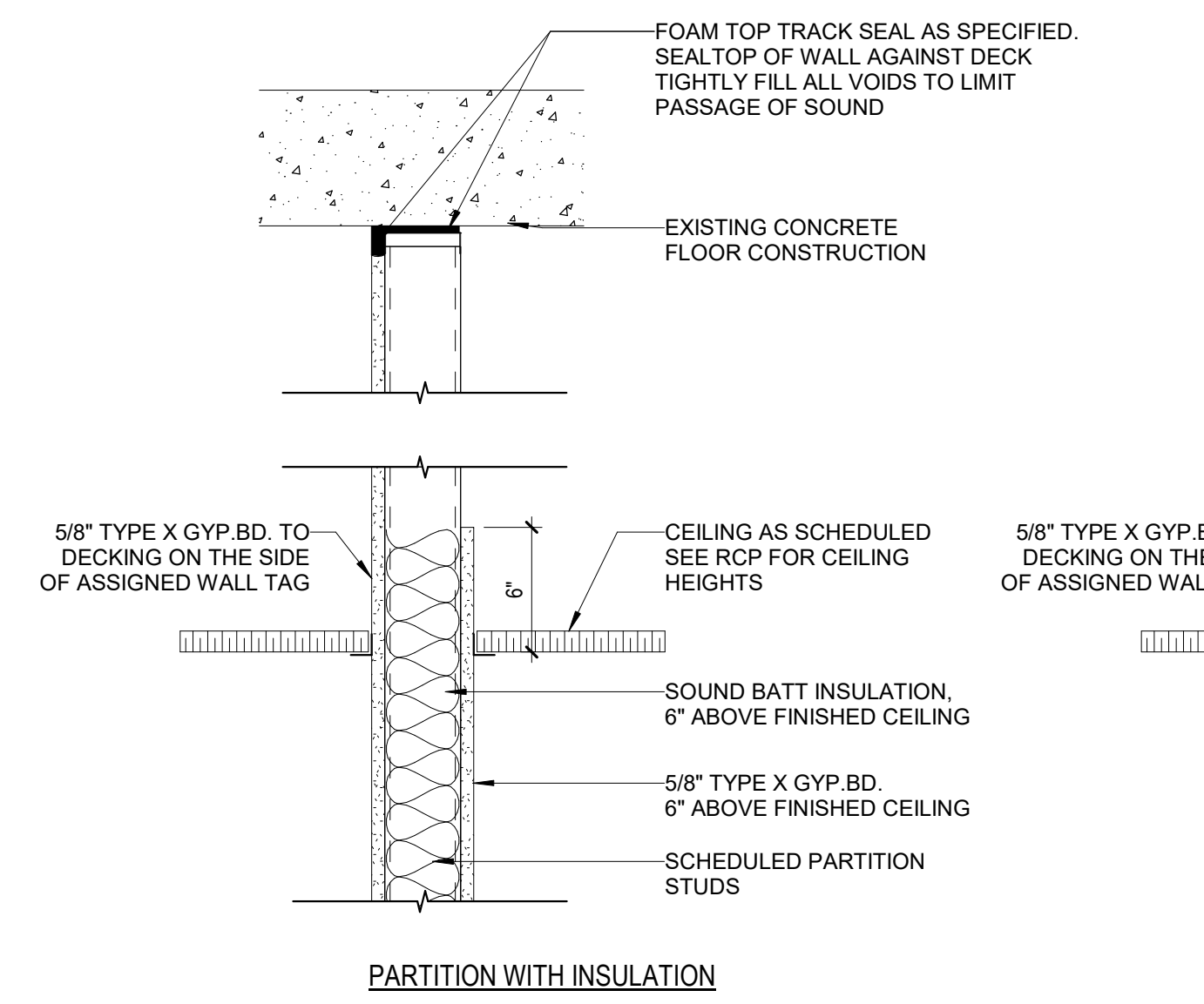
3 ACOUSTICAL PARTITION @ FLOOR  
G102 SCALE: 1 1/2" = 1'-0"



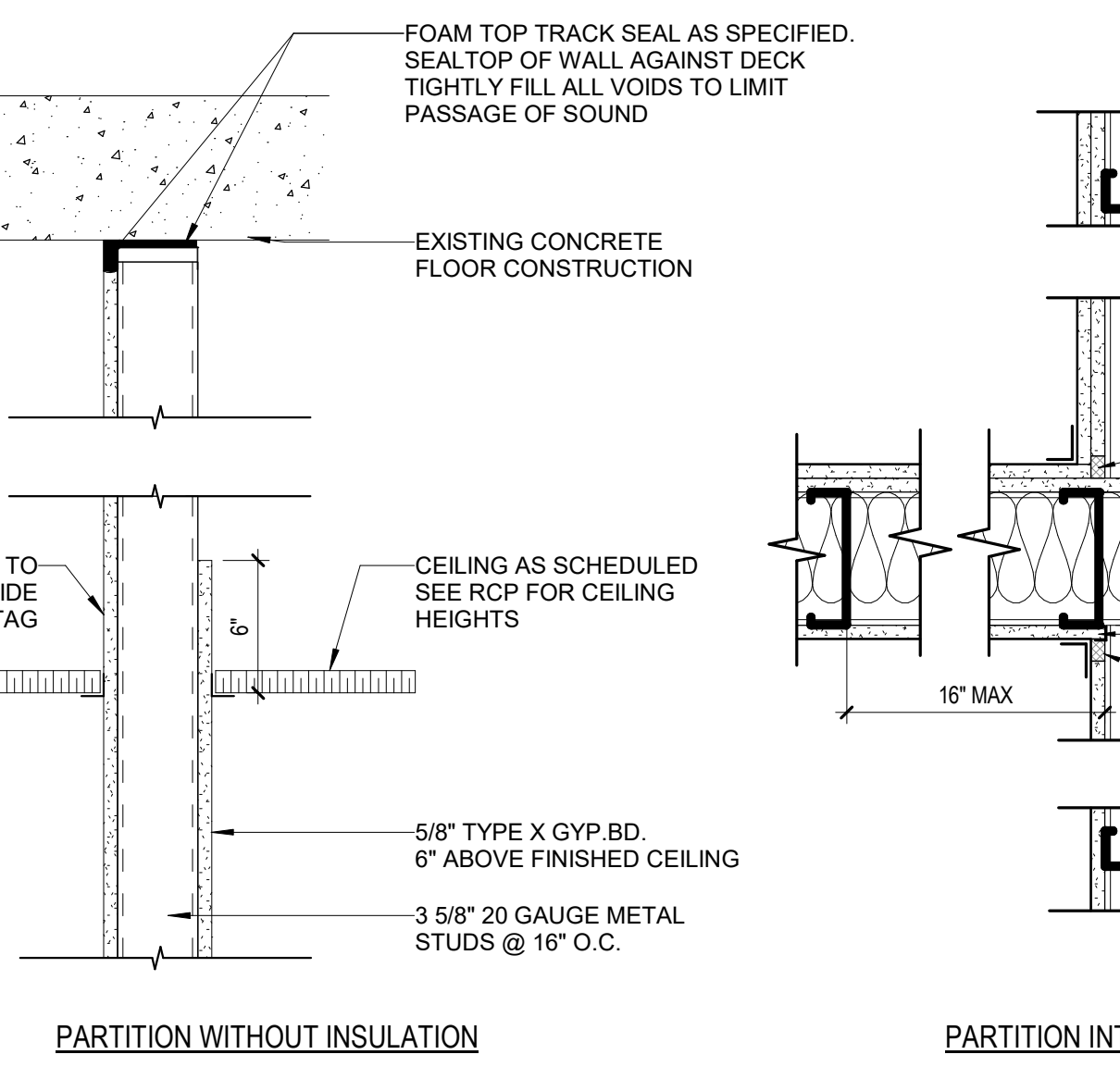
4 ACOUSTICAL WALL SECTION  
G102 SCALE: 1 1/2" = 1'-0"



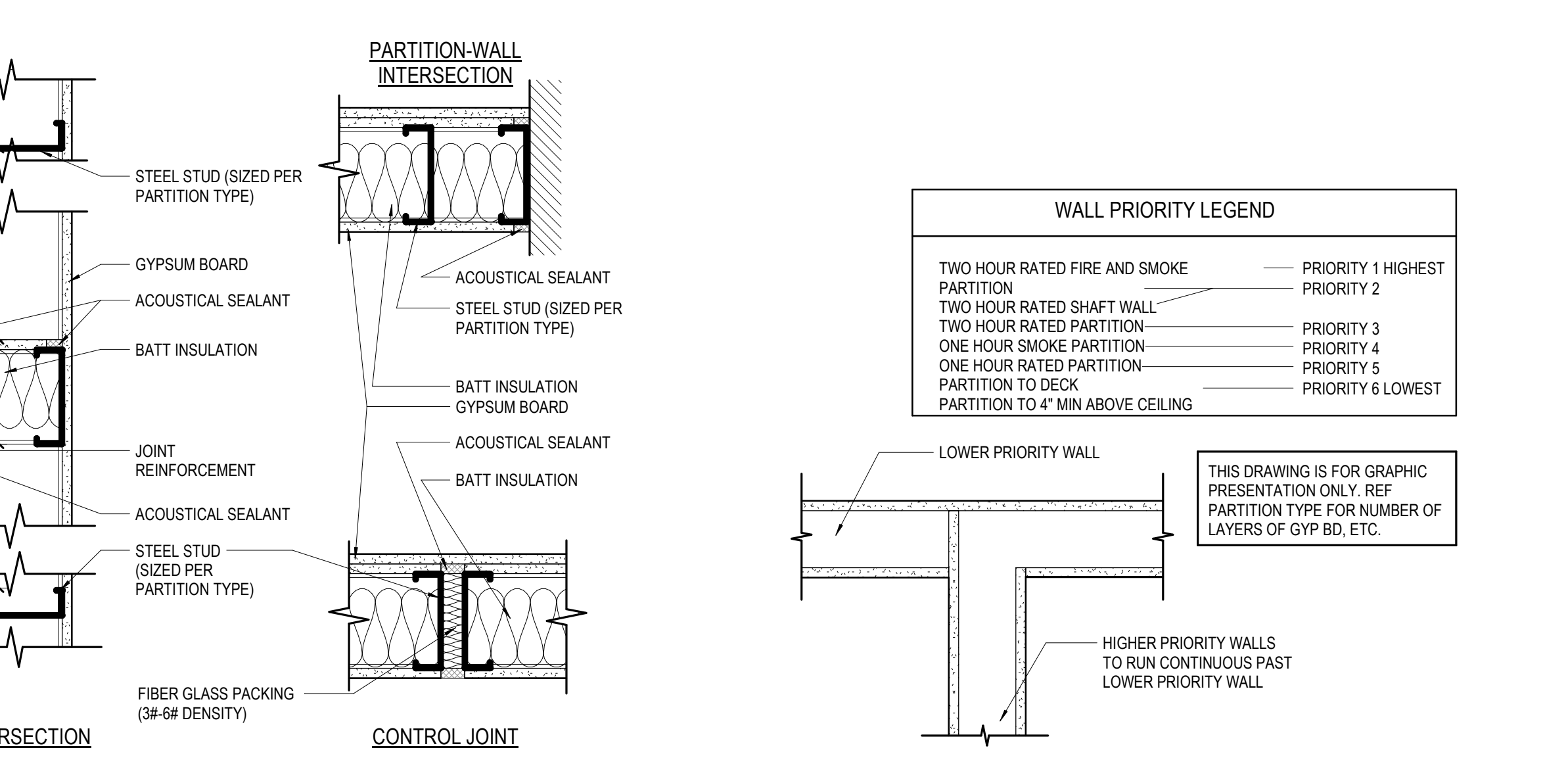
5 ACOUSTICAL PARTITION SECTION  
G102 SCALE: 1 1/2" = 1'-0"



6 PARTITION SECTION - GYP. ONE SIDE TO DECK  
G102 SCALE: 1 1/2" = 1'-0"

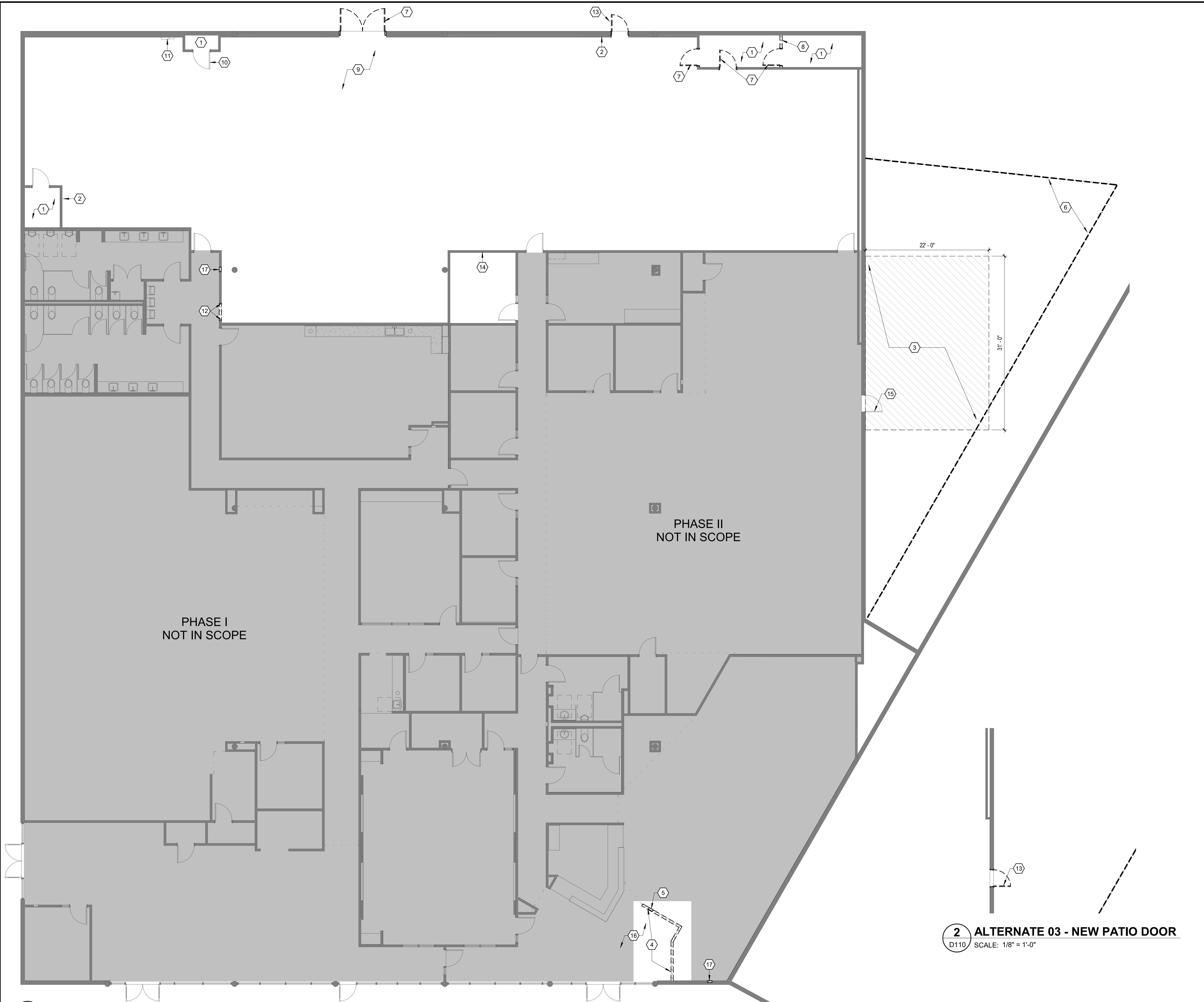


7 ACOUSTICAL PARTITION PLAN DETAILS  
G102 SCALE: 1 1/2" = 1'-0"



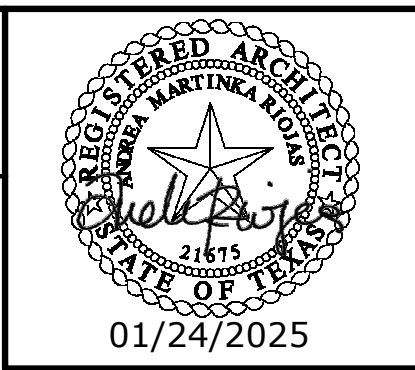
8 PARTITION PRIORITY LEGEND  
G102 SCALE: 1 1/2" = 1'-0"





### DEMOLITION PLAN GENERAL NOTES

- IT IS THE INTENT OF THE DEMOLITION TO REMOVE ALL EXISTING CONSTRUCTION WHICH CONFLICTS WITH THE INTENT OF NEW CONSTRUCTION AND EVERY DEMOLITION DETAIL MAY NOT NECESSARILY BE COVERED ON THESE DRAWINGS. CONTRACTOR SHALL INCLUDE ALL DEMOLITION WORK EVEN IF NOT SPECIFICALLY CALLED FOR.
- WHERE REMOVAL OF EXISTING WALLS, PARTITIONS, EQUIPMENT, ETC DISTURBS EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL SERVICES, CONTRACTOR SHALL MAKE PERMANENT REVISION AS REQUIRED AND IF NECESSARY PROVIDE TEMPORARY SERVICES TO AREAS NOT SCHEDULED FOR DEMOLITION AND REMODELING.
- WHERE PLUMBING FIXTURES, DOORS AND OTHER ITEMS ARE REMOVED FROM WALL AND/OR RELOCATED - PATCH AND REPAIR WALLS TO MATCH EXISTING FINISH. AT WALLS THAT HAVE PAINTED GYP. PATCH, TEXTURE AND PAINT TO MATCH SURROUNDING WALL. AT AREAS THAT HAVE EXISTING TILE AND PARTITIONS OR FIXTURES ARE REMOVED - PATCH AND MATCH EXISTING TILE BY INSTALLING NEW TILE THAT MATCHES EXISTING TILE. FOR WALLS PATCH AND REPAIR TO RECEIVE NEW FINISH AS SCHEDULED.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO KEEP ALL EXISTING FIREPROOFING ON STRUCTURE UNDISTURBED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REAPPLY FIREPROOFING THAT MAY BE REMOVED OR DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE RATED WALL ASSEMBLIES SHOWN ON PLANS AND THOSE FOUND IN THE FIELD.
- ALL EQUIPMENT THAT WILL NEED TO BE SALVAGED WILL BE REMOVED BY OWNER PRIOR TO DEMOLITION.
- CONTRACTOR SHALL HAUL OFF ALL MATERIALS UPON COMPLETION OF DEMOLITION.
- FIELD VERIFY MEP FIXTURES AND EQUIPMENT LOCATIONS.
- ANY NEW WORK IN PHASE I AND II NEEDS TO BE COORDINATED WITH THE BUILDING TENANT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MAKE EVERY EFFORT TO NOT DISRUPT SPACES CURRENTLY BEING OCCUPIED.



**clk**  
architects & associates  
615 N. Upper Broadway  
Suite 1250  
Corpus Christi, TX  
78401-0750

### DEMOLITION PLAN LEGEND

- REMOVE EXISTING MILLWORK/PLUMBING/EQUIPMENT - SEE NOTES FOR RELOCATION OR DEMOLITION NOTES
- REMOVE EXISTING PARTITION
- REMOVE EXISTING DOOR

MARK	DESCRIPTION	DATE	REVISIONS

### DEMOLITION PLAN KEY NOTES

NO.	DESCRIPTION
1	EXISTING FLOORING TO REMAIN.
2	EXISTING FIRE EXTINGUISHER AND BRACKET SHALL BE REMOVED AND RELOCATED. REFER TO SHEET A110 FOR NEW LOCATION. CONTRACTOR TO ENSURE EXISTING EXTINGUISHER IS IN WORKING CONDITION AND MEETS TESTING REQUIREMENTS.
3	ALTERNATE 03 - SAWCUT TO REMOVE PORTION OF EXISTING ASPHALT FOR NEW POURED CEMENT.
4	REMOVE EXISTING INTERIOR GYPSUM BOARD AND METAL STUD PARTITION. REMOVE STEEL TUBES IN WALL. PATCH AND REPAIR WALL AND FLOOR WHERE REQUIRED.
5	EXISTING FIRE EXTINGUISHER CABINET SHALL BE REMOVED AND RELOCATED. REFER TO SHEET A110 FOR NEW LOCATION.
6	REMOVE EXISTING CHAINLINK FENCE AND GATE. PATCH AND REPAIR CONCRETE HOLES DUE TO REMOVAL.
7	REMOVE EXISTING DOOR, FRAME, AND HARDWARE COMPLETE.
8	REMOVE PORTION OF EXISTING INTERIOR GYPSUM BOARD AND METAL STUD PARTITION. PATCH AND REPAIR WALL AND FLOOR WHERE REQUIRED.
9	REMOVE EXISTING VINYL FLOORING. FLOAT AND REPAIR EXISTING FLOOR TO PREP FOR NEW FLOORING.
10	EXISTING DOOR AND FRAME TO REMAIN. REMOVE EXISTING HARDWARE FOR NEW HARDWARE.
11	EXISTING FIRE ALARM PANEL TO REMAIN. SEE ALTERNATE 01 PLAN TO RELOCATE TO A NEW ADJACENT WALL. REFER TO ALTERNATE PLAN FOR EXACT LOCATION.
12	REMOVE PORTION OF EXISTING INTERIOR GYPSUM BOARD AND METAL STUD PARTITION WHERE NEW DOOR WILL BE INSTALLED. PATCH AND REPAIR WALL AND FLOOR WHERE REQUIRED.
13	REMOVE EXISTING DOOR, FRAME, AND HARDWARE COMPLETE FOR NEW IN SAME LOCATION. PATCH AND REPAIR WALL WHERE REQUIRED.
14	REMOVE EXISTING TV AND WALL MOUNT. TURN OVER TO OWNERS. PATCH AND REPAIR WALL WHERE REQUIRED.
15	EXISTING DOOR AND FRAME TO REMAIN IN BASE BID. REFER TO ALTERNATE 02 FOR NEW DOOR AND FRAME.
16	ANY NEW WORK IN PHASE I AND II NEEDS TO BE COORDINATED WITH THE BUILDING TENANT PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MAKE EVERY EFFORT TO NOT DISRUPT SPACES CURRENTLY BEING OCCUPIED.
17	REMOVE PORTION OF EXISTING INTERIOR GYPSUM BOARD WHERE NEW FIRE EXTINGUISHER CABINET WILL BE INSTALLED. PATCH AND REPAIR WALL WHERE REQUIRED.

**WORKFORCE SOLUTIONS  
PHASE III RENOVATION**  
4981 AYERS STREET  
CORPUS CHRISTI, TX 78415

**DEMOLITION PLAN**

THIS DOCUMENT IS THE PROPERTY OF CLK ARCHITECTS & ASSOCIATES. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF CLK ARCHITECTS & ASSOCIATES. © 2024 CLK ARCHITECTS & ASSOCIATES. ALL RIGHTS RESERVED.

**2 ALTERNATE 03 - NEW PATIO DOOR**  
D110 SCALE: 1/8" = 1'-0"

**1 DEMOLITION PLAN**  
D110 SCALE: 1/8" = 1'-0"

JOB NO. 202415  
PHASE: CONSTRUCTION DOCUMENTS  
ISSUE DATE: 01/24/2025  
DRN. BY: KW  
CKD. BY: AR

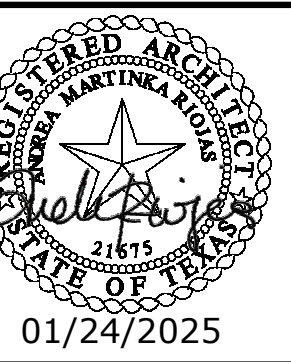
SHEET NUMBER  
**D110**





## DEMOLITION RCP GENERAL NOTES

- IT IS THE INTENT OF THE DEMOLITION TO REMOVE ALL EXISTING CONSTRUCTION WHICH CONFLICTS WITH THE INTENT OF NEW CONSTRUCTION AND EVERY DEMOLITION DETAIL MAY NOT NECESSARILY BE COVERED ON THESE DRAWINGS. CONTRACTOR SHALL INCLUDE ALL DEMOLITION WORK EVEN IF NOT SPECIFICALLY CALLED FOR.
- WHERE REMOVAL OF EXISTING WALLS, PARTITIONS, EQUIPMENT, ETC DISTURBS EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL SERVICES, CONTRACTOR SHALL MAKE PERMANENT REVISION AS REQUIRED AND IF NECESSARY PROVIDE TEMPORARY SERVICES TO AREAS NOT SCHEDULED FOR DEMOLITION AND REMODELING.
- WHERE PLUMBING FIXTURES, DOORS AND OTHER ITEMS ARE REMOVED FROM WALL AND/OR RELOCATED - PATCH AND REPAIR WALLS TO MATCH EXISTING FINISH. AT WALLS THAT HAVE PAINTED GYP. PATCH, TEXTURE AND PAINT TO MATCH SURROUNDING WALL. AT AREAS THAT HAVE EXISTING TILE AND PARTITIONS OR FIXTURES ARE REMOVED - PATCH AND MATCH EXISTING TILE BY INSTALLING NEW TILE THAT MATCHES EXISTING TILE. FOR WALLS PATCH AND REPAIR TO RECEIVE NEW FINISH AS SCHEDULED.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO KEEP ALL EXISTING FIREPROOFING ON STRUCTURE UNDISTURBED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REAPPLY FIREPROOFING THAT MAY BE REMOVED OR DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE RATED WALL ASSEMBLIES SHOWN ON PLANS AND THOSE FOUND IN THE FIELD.
- ALL EQUIPMENT THAT WILL NEED TO BE SALVAGED WILL BE REMOVED BY OWNER PRIOR TO DEMOLITION.
- CONTRACTOR SHALL HAUL OFF ALL MATERIALS UPON COMPLETION OF DEMOLITION.
- FIELD VERIFY MEP FIXTURES AND EQUIPMENT LOCATIONS.



615 N. Upper Broadway  
Suite 1250  
Corpus Christi, TX  
78401-0750

## DEMOLITION RCP LEGEND

- EXISTING WALL TO REMAIN
- EXISTING WALL TO REMOVE
- EXISTING SUSPENDED ACOUSTIC CEILING TO REMOVE
- EXISTING 2'X4' LIGHT FIXTURE TO REMOVE
- EXISTING 2'X4' SUSPENDED LIGHT FIXTURE TO REMOVE

REVISIONS	
DATE	DESCRIPTION

## DEMOLITION RCP KEY NOTES

NO.	DESCRIPTION
1	REMOVE EXISTING LIGHT FIXTURES.
2	EXISTING LIGHT FIXTURES TO REMAIN.
3	EXISTING MECHANICAL UNIT.

WORKFORCE SOLUTIONS  
PHASE III RENOVATION  
4981 AYERS STREET  
CORPUS CHRISTI, TX 78415

DEMOLITION REFLECTED CEILING PLAN

JOB NO. 202415  
PHASE: CONSTRUCTION DOCUMENTS  
ISSUE DATE: 01/24/2025  
DRN. BY: KW  
CKD. BY: AR

SHEET NUMBER  
**D120**



































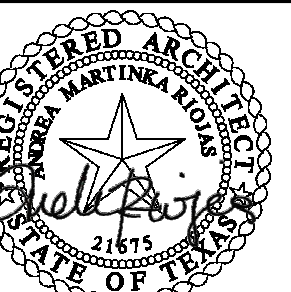












01/24/2025

### FFE PLAN LEGEND

- EQ-X** EQUIPMENT DESIGNATION. REFER TO INTERIOR ELEVATIONS, FURNITURE FIXTURE EQUIPMENT PLAN, SCHEDULES, AND SPECIFICATION.
- FR-X** FURNITURE DESIGNATION. REFER TO INTERIOR ELEVATIONS, FURNITURE FIXTURE EQUIPMENT PLAN, SCHEDULES, AND SPECIFICATION.



615 N. Upper Broadway  
Suite 1250  
Corpus Christi, TX  
78401-0750

REVISIONS	
DATE	DESCRIPTION

**WORKFORCE SOLUTIONS  
PHASE III RENOVATION**  
4981 AYERS STREET  
CORPUS CHRISTI, TX 78415

**FURNITURE FIXTURE EQUIPMENT & SCHEDULE**

THIS DOCUMENT IS THE PROPERTY OF CLK ARCHITECTS & ASSOCIATES. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR DISTRIBUTION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF CLK ARCHITECTS & ASSOCIATES IS STRICTLY PROHIBITED. © 2025 CLK ARCHITECTS & ASSOCIATES. ALL RIGHTS RESERVED.

JOB NO. 202415  
PHASE: CONSTRUCTION DOCUMENTS  
ISSUE DATE: 01/24/2025  
DRN. BY: KW  
CKD. BY: AR

SHEET NUMBER  
**A710**



FURNITURE SCHEDULE					
TAG	MODEL	COMMENTS	OWNER PROVIDED	OWNER INSTALLED	COUNT
FR-1	PICNIC TABLE	GLOBAL INDUSTRIAL, URBAN 6' PLASTIC PICNIC TABLE & BENCH SET, TAN, MODEL: WB348137	Yes	Yes	2
FR-2	PLANTER	ALUMINUM RECTANGULAR PLANTER, CUSTOM COLOR POWDER COATED, SIZE TBD	Yes	Yes	3
FR-3	SMOKERS POLE	GLOBAL INDUSTRIAL, RUBBERMAID SMOKERS POLE, BLACK 4" DIA., MODEL: WB853493	Yes	Yes	1
FR-4	TRASH CAN	GLOBAL INDUSTRIAL, OUTDOOR SLATTED STEEL TRASH CAN WITH FLAT LID, 36 GALLON, BLACK, MODEL: WB237728BK	Yes	Yes	1
FR-5	STORAGE CABINET	5" HIGH, 24" DEEP, LOCKABLE	Yes	Yes	2
FR-6	CREDENZA	72" W X 24" D	Yes	Yes	2
FR-7	WORK BENCH	60" W X 30" D	Yes	Yes	2
FR-8	DESK	48" W X 24" D	Yes	Yes	2
FR-9	METAL STORAGE RACKS	48" W X 24" D	Yes	Yes	7

**1 FURNITURE FIXTURE EQUIPMENT PLAN**  
A710 SCALE: 1/8" = 1'-0"



# STRUCTURAL GENERAL NOTES

## I. COORDINATION

- A. It is the responsibility of the General Contractor to obtain all Contract Documents and Addenda and to submit such documents to all subcontractors and material suppliers prior to the submittal of shop drawings, fabrication of any structural members, and construction.
- B. The General Contractor shall compare the Architectural, Structural Mechanical, Electrical, Plumbing, and other series drawings and report any discrepancies between each set of drawings and within each set of drawings prior to fabrication and installation of any structural members.
- C. Refer to Architectural, Mechanical, Electrical and Plumbing drawings for floor elevations, slopes, drains and location of depressed and elevated floor areas.
- D. The details designated as "Typical Details" apply generally to the Drawings in all areas where conditions are similar to those described in the details.
- E. All structural elements of the project have been designed by the Structural Engineer to resist the required code vertical and lateral forces that could occur in the final completed structure only. It is the responsibility of the Contractor to provide all required bracing during construction to maintain the stability and safety of all structural elements during the construction process until the lateral-load resisting or stability-providing system is completely installed and the structure is completely tied together.
- F. Lateral-Force Resisting System: Is existing and has not been modified or added to.
- G. The Contract Structural Drawings and Specifications represent the finished structure, and except where specifically shown, do not indicate the means or methods of construction. The Contractor and their Sub-Contractors shall supervise and direct the Work and shall be solely responsible for all construction means, methods, procedures, techniques, sequences and safety measures including, but not limited to, adherences to all OSHA guidelines. The Engineer shall not have control of, and shall not be responsible for, construction means, methods, techniques, sequences or procedures, for safety precautions and programs in connection with the Work, for the acts or omissions of the Contractor, Subcontractors, or any other person performing any of the Work, or for the failure of any of these persons to carry out the Work in accordance with the Contract Documents.
- H. Where conflict exists among the various parts of the structural contract documents, structural drawings, general notes, and specifications, the strictest requirements, as indicated by the Engineer, shall govern.
- I. Periodic site observation by field representatives of Garza + McLain Structural Engineers, Inc. is solely for the purpose of determining if the Work is proceeding in accordance with the Structural Contract Documents. This limited site observation is not intended to be a check of the quality or quantity of the Work, but rather a periodic check in an effort to inform the Owner against defects and deficiencies in the work of the Contractor.

## II. SUBSTITUTIONS

All requests for substitutions of materials or details shown in the contract documents shall be submitted for approval during the bidding period. Once bids are accepted, proposed substitutions will be considered only when they are officially submitted with an identified savings to be deducted from the contract and/or schedule impact and the material or product has been approved by the International Code Council Evaluation Service (ICCES), TDI, or Florida Building Code, and all reports from agencies noted above are included in the request. Submittals not satisfying the above criteria will not be considered.

## III. MAINTENANCE STATEMENT

- A. All structures require periodic maintenance to extend life span and to insure structural integrity from exposure to the environment. A planned program of maintenance shall be established by the building owner. This program shall include such items as but not limited to painting of structural steel, protective coating for concrete, sealants, caulked joints, expansion joints, control joints, spalls and cracks in concrete, and pressure washing of exposed structural elements exposed to a salt environment or other harsh chemicals.
- B. Site Drainage: it is recommended that the site drainage be well developed surface water should be directed away from the foundation soils. (Use a minimum slope of 5% within 10 feet of the foundation). No ponding of surface water shall be allowed near the structure during or after completion of the construction & the landscaping. The Contractor shall advise the owner of the site drainage requirements. The Engineer is not liable for foundation issues if the site is not maintained.

## IV. CODES

A. The General Building Code used as the basis for the structural design is as follows:

- International Building Code, 2018 Edition with the Texas Windstorm Adopted Amendments.
  - International Building Code, 2021 Edition with the City of Corpus Christi Adopted Amendments.
- B. Structural Concrete: Building Code Requirements for Reinforced Concrete, American Concrete Institute, ACI 318.
- C. Structural Steel: Manual of Steel Construction, American Institute of Steel Construction, Latest Edition.
- D. Light Gauge Steel: Specification for the design of cold formed steel structural members, American Iron and Steel Institute, latest edition.

## V. DESIGN LOADS

A. Design Loads include the self weight of the structural elements and the following superimposed loads:

1. Collateral	2 psf
---------------	-------

### B. Live Loads:

OCCUPANCY OR USE	UNIFORM	CONCENTRATED
1. Level 1	100	
2. Roof (unreduced)	20	

### C. Wind Loads:

Wind lateral load on structural frame is based on ASCE 7 using the following:

1. Basic Wind Speed (3 sec. ULT)	143 mph
2. Exposure	C (1.0; ULT.)
3. Category	II
4. On Condensing Unit	$P_s = 77 \text{ PSF}$ , $P_v = 60.7 \text{ PSF}$

D. Texas Architecture Barrier Act Standard. The structural strength of grab bars, tub and shower seats, fasteners, and mounting devices shall meet the following specifications:

- Bending stress in a grab bar or seat induced by the maximum bending moment from the application of 250 lbf shall be less than the allowable stress for the material of the grab bar or seat.
- Shear stress induced in a grab bar or seat by the application of 250 lbf shall be less than the allowable shear stress for the material of the grab bar or seat. If the connection between the grab bar or seat and its mounting bracket or other support is considered to be fully restrained, then direct and torsional shear stresses shall be totaled for the combined shear stress, which shall not exceed the allowable shear stress.
- Shear force induced in a fastener or mounting device from the application of 250 lbf shall be less than the allowable lateral load of either the fastener or the mounting device or the supporting structure, whichever is the smaller allowable load.
- Tensile force induced by a fastener by a direct tension force of 250 lbf plus the maximum moment from the application of 250 lbf shall be less than the allowable withdrawal load between the fastener and the supporting structure.
- Grab bars shall not rotate within their fittings.

E. Handrails and Guardrails: Handrails and guardrails shall be designed for 50 pound/ft applied horizontally at right angles to the top rail as well as a 200 pound concentrated load applied in any direction at any point along the top rail. The railing shall have attachment devices to adequately anchor to the supporting structure. Intermediate rails (all except handrails), balusters, and panels fillers shall be capable of sustaining a horizontally applied 50 lb normal load on an area not to exceed one square foot including openings and space in between rails.

## VI. SUBMITTALS

- A. Shop drawings shall be prepared for all structural items and submitted for review by the Engineer. Contract Drawings shall not be reproduced and used as shop drawings. All items deviating from the Contract Drawings or from previously submitted shop drawings shall be cloued.
- B. The contractor shall review shop drawings for compliance with the contract documents and shall certify that he has done so by a stamp noting that the drawings have been "Approved" and which bears the signature (or initials) of an authorized representative of the contractor and the date. Submittals which do not reflect the contractor's approval, signature and date will be returned without review.
- C. Where review and return of shop drawings is required or requested, the engineer will review each submittal and, where possible, return within two weeks of receipt.
- D. Corrections or comments on shop drawings or manufacturer's data sheets do not relieve the contractor from compliance with requirements of the plans and specifications. The engineer's review is for general conformance with the requirements of the contract documents. The contractor is responsible for confirming and correcting all quantities and dimensions, selecting fabrication processes and techniques of construction, and coordinating his work with that of all other contractors.
- E. General Contractor shall submit electronic copies of all submittals using a mutually agreeable method of transmission.
- F. Shop Drawings:
- The General Contractor shall submit for Engineer review shop drawings for the following items:
    - Reinforcing Steel
    - Miscellaneous Steel
    - Concrete Mix Designs
    - Structural steel
    - Cold-Formed Metal Framing Members and Connection Material.
    - CU curb and CUItems marked (\*) shall be designed by an engineer and drawings shall be sealed by a registered engineer in the state where the project is located. Items marked (#) shall be submitted to Engineer for Owner's record only and will not have the Engineer's shop drawing stamp affixed.
  - The omission from the shop drawings of any material required by the Contract Documents to be furnished shall not relieve the Contractor of the responsibility of furnishing and installing such materials, regardless of whether the shop drawings have been reviewed and approved.

## VII. TESTING LABORATORY SERVICES

- A. Work specified herein shall be performed by a qualified Independent Testing Laboratory, selected and paid by the Owner. The Contractor shall be responsible for notifying the Independent Testing Laboratory at least 24 hours of advance of materials that require testing. The contractor shall pay for all retests of materials not meeting the requirements in the Contract Documents. Reports of each Test shall be prepared by the Independent Testing Laboratory and submitted promptly to the Owner, Contractor, Architect, and Engineer. Items found not to comply with the Construction Documents shall be brought to the immediate attention of the Contractor and Architect/ Engineer for resolution.
- B. Filling and Backfilling operation:
- Analyze backfill samples delivered by the contractor to determine compliance with gradation and quality requirements of the geotechnical report.
  - Make in place compaction tests for moisture content, moisture density relationship, and density of materials in place. Perform one test for each 5000 square feet of area per lift.
  - Verify Compaction of utility trenches.
- C. Concrete inspection and testing:
- Secure composite samples of concrete at the jobsite in accordance with ASTM C172.
  - Mold and cure for specimens from each sample in accordance with ASTM C31. Test specimens in accordance with ASTM C39 for each pour of concrete.
  - Test one cylinder @ 7 days, 2 @ 28 days, and hold one for 56 days (test only if 28 day strength is low.)
  - Perform one strength test (four cylinders) for each 50 cubic yards of fraction thereof, of each mix design placed in the day. Test one cylinder @ 7 days, 2 @ 28 days, and hold one for 56 days (test only if 28 day strength is low.)
  - Make one slump test for each set of cylinders following the procedural requirements of the contractor for correction, and if uncorrected, reported to the engineer.
- D. Concrete Reinforcement: Inspect all concrete reinforcing steel and embedded metal assemblies prior to placement of concrete for compliance with Contract Documents and shop drawings. All instances of non-compliance shall be immediately brought to the attention of the contractor for correction, and if uncorrected, reported to the engineer.
- E. Special Inspections: Special Inspections shall be performed in accordance with Chapter 17 of the 2021 IBC by a Special Inspector hired by the Owner to perform the Special Inspections listed below. The Special Inspector shall be qualified by an approved agency according to the City to perform the special inspections for which they will be undertaking. The Contractor shall coordinate with and notify the Special Inspector of all tests. The Special Inspector shall be responsible to verify that the items detailed in the Construction Documents were built accordingly and shall prepare, sign, and submit reports to the Registered Design Professional (RDPIRC) in Responsible Charge for all time spent at the site and shall notify the General Contractor responsible for the quality of the Project of the non-complying items. These Special Inspections are in addition to other listed in these Structural Notes or Project Specifications.

## VIII. CAST IN PLACE CONCRETE

### A. Classes of Concrete:

All concrete shall conform to the requirements as specified in the table below unless noted otherwise on the drawings:

Concrete Mix Schedule:	Conc. Class	Strength psi	Agg. Type	Agg. Size	Slump Inches	Max. w/c	Notes
A	3000	NWT	1 1/2"	5-7	---		

a) "NWT" refers to normal concrete having air dry unit weight of approximately 145 PCF (ASTM 33 aggregate).

b) Where w/c ratio is not indicated in the Concrete Mix Schedule, it shall be as necessary to meet strength requirements.

c) Where the w/c ratio is shown, it shall be adhered to regardless of strength requirements.

d) "Strength" is required compressive cylinder strength at an age of 28 days.

### Mix Usage Schedule:

Description of Use	Concrete Class	Air Content
Piers	A	----
Site Work Concrete	A	----

B. Maximum shrinkage of the concrete shall be 0.03% at 28 days as determined by ASTM C157.

C. Horizontal construction joints in concrete pours shall be permitted only where indicated on the drawings. All vertical construction joints shall be made in the center of spans in accordance with the typical details. Contractor shall submit proposed locations for construction joints not shown on drawings for review by the Architect and Structural Engineer. Additional construction joints may require additional reinforcing as specified by the Engineer which shall be provided by the contractor at no additional cost to the owner.

## IX. CONCRETE REINFORCING

A. Concrete reinforcement for the project shall conform to the following:

- All Reinforcing Steel shall be ASTM A615, Grade 60 unless noted otherwise in the drawings or these notes.
  - Deformed Bar Anchors: ASTM A496 minimum yield strength 70,000 PSI as noted on the drawings. Reinforcing bars shall not be substituted for deformed bar anchors.
- B. Detailing of reinforcing steel shall conform to the American Concrete Institute 315 Detailing Manual and all hooks and bends in reinforcing bars shall conform to ACI detailing standards unless shown otherwise.
- C. In unscheduled grade beams, walls, and slabs, detail reinforcing as follows:
- Provide Class B lap at other location pending Engineer's approval.
- D. Welding of reinforcing steel will not be permitted unless specifically shown on drawings.
- E. Heat shall not be used in the fabrication or installation of reinforcement.
- F. Reinforcing steel clear cover shall be as follows:

- Piers 1-1/2" top, 3" side, 3" bottom
- "Exterior Exposure" refers to concrete exposed to air or weather.

## X. TEXAS DEPARTMENT OF WINDSTORM CERTIFICATION

- A. Texas Department of Windstorm Certification:  
The project is located in NUECES County. All exterior windows, doors, wall coverings, roof coverings, canopies and mechanical equipment and their attachment to the main structure must be designed for a component and cladding wind pressure corresponding to a 3-sec gust of 143 mph wind speed Exposure C according to the International Building Code 2018 with the Texas Windstorm Amendments. All products will require certification stating that the products have been designed and installed for the components and cladding uniform static wind pressure of the aforementioned code. The sub-contractor shall submit the wind storm product certification, the component and cladding wind pressure the product was designed for, any manufacture certification in regards to Texas Wind Storm, and the connection requirements for the product to the Engineer of Record. In addition, all exterior openings i.e. windows and doors shall be impact resistant to wind debris.
- B. Texas Windstorm Submittals.  
The Contractor and Subcontractors must submit products approved by the Texas Department of Insurance or Equal. When submitting an equal Test Reports, Engineered Calculations and Elevations with Attachment Anchorage must be submitted. Any submittal without proper certifications and data proving that the product meets TDI will be rejected.
- Exterior Canopies
- C. Texas Windstorm Inspections
- Canopy Foundations
  - Aluminum Canopy
  - CU Curb
  - CU Connection to Curb
- D. TDI Corrosion Resistance Requirements for Construction in the Designated Catastrophe Zone, as defined by TDI, the following modifications must be made to the Fastener Schedule:
- Metal connectors and fasteners located in open areas shall be either stainless steel and meet ASTM A167; hot-dip galvanized after fabrication and meet ASTM A123 or ASTM A153; hot-dip galvanized or electrogalvanized in accordance with ASTM A641; mechanically deposited zinc coatings in accordance with ASTM B695; or electrodeposited zinc coatings in accordance with ASTM B633.
  - Metal connectors and fasteners located in vented or enclosed areas may meet the requirements of R325.1.2.1 or shall be epoxy-coated in accordance with ASTM A899.
  - Exception for all Areas - Metal connectors and fasteners located in conditional areas (Heated and Cooled Living Areas) are not required to be corrosion resistant. One-half inch diameter or greater steel bolts are not required to be corrosion resistant.
  - Open Areas Shall Include Porches, Decks, Carports, Exterior Wall Coverings, Roof Coverings, Metal Ties for Stone and Masonry Veneer, The Underside of Elevated Structures, Anchors for Securing Mechanical Equipment, Garage Door Attachments, Roof Vent Attachments, Skylight Attachments, and Impact Protective Systems (Shutters).
  - Vents Areas Shall Include Attics, Exterior Wall Stud Cavities, Crawl Spaces, Window and Exterior Door Attachments, Roof Sheathing, and Wall Sheathing.
- E. Products that are not Approved by TDI or The Florida Building Code will require Certification by a professional Engineer. The drawings and calculations shall be sealed. Additional cost will be charged to the Contractor for review of submittal that are not TDI or Florida Building Code Approved. Certification by a Professional Engineer must include forces from impact and make sure connections can withstand impact force. Submittal without impact forces shall be rejected.

## XI. STRUCTURAL STEEL

### A. Material

- All hot rolled steel members shall be new domestic, and conform to ASTM specification A6.
- ASTM Specification and Grade. Clearly mark the grade on each member.
- Unless noted otherwise structural steel members shall be:
  - Angles shall conform to ASTM A36.
  - Steel pipe shall conform to ASTM A53, Type E or S, Grade B.
  - Structural steel plate shall conform to ASTM A36 or ASTM A572 Grade 50. See details for specific requirements.

### B. Fabrication

- Fabricate and assemble structural assemblies in shop to greatest extent possible.
- Dimensional tolerances of fabricated structural steel shall conform to Section 6.4 of the AISC Code of Standard Practice unless noted otherwise.
- Splicing of structural steel members is prohibited without prior approval of the Engineer as to location and type of splice to be made. Any member having splice not shown and detailed on shop drawings will be rejected.
- Shop painting: Paint structural steel with one coat of manufacturer's standard Water Based primer applied at a rate to provide a uniform dry film thickness of 2.5 mils unless Structural steel will be fire proofed.
- At square or rectangular hollow Structural shape members provide a fitted end cap at ends

### C. Erection

- Erection tolerances of anchor bolts, embedded items, and all structural steel unless specified otherwise on the drawings shall conform to the AISC Code of Standard Practice.
  - Field cutting of structural steel or any field modifications to structural steel shall not be made without prior approval of the Engineer.
  - Schedule, Contractor shall protect any unprimed structural steel from detrimental effects of corrosion, as required, until the steel is enclosed and protected by the new construction.
- D. Hot Dip galvanize after fabrication all structural steel items and connections permanently exposed to the outside, whether specified on the drawings or not. Such items include, but are not limited to:
- Building cladding support steel in space not air conditioned and/or exposed to moisture outside the exterior waterproofing surface if any.
  - Roof Mechanical support steel.
  - Examine the architectural and structural drawings for other items required to be hot dipped galvanized. Galvanize all nuts, bolts, and washers used in connection with such steel. Field welded connections shall have welds protected with "Z.R.C. Cold Galvanizing Compound" as manufactured by Z.R.C. Company.
- E. Contractor shall coordinate structural steel fireproofing requirements. All interior structural steel, including steel joists, scheduled or indicated to receive spray applied fireproofing shall be delivered to the project site unprimed. Steel exposed to corrosive conditions after installation shall be primed with a protective coating which does not diminish the bond between the spray applied fireproofing, and the steel substrate. Any primer, and/or coating applied to structural steel shall be approved for use in the applicable U.L. Fire Resistance Assembly used on the project.

- F. Contractor to provide an allowance for (one) ton of structural steel to be furnished, Detailed, Fabricated, and Installed during the progress of the work as directed by the Structural Engineer in addition to all of the structural steel indicated on the drawings. If the structural steel is not used during the progress of the project, the owner shall receive a credit for the portion not used.

## XII. STRUCTURAL STEEL CONNECTIONS

### A. Welded Connections

- All welding shall conform to ANSI/AWS D1.1, latest edition.
  - Fillet welds with no size specified shall be 3/16" or minimum size required by AISC, whichever is larger.
- B. For connections not specifically addressed by these notes or Drawings, provide fillet welds at all contact surfaces sufficient to develop the tensile strength of the smaller member at the joint.

## XIII. LIGHT GAUGE METAL STRUCTURAL MEMBERS

The design of CFMF is shown on the contract documents. CFMF contractor shall provide as shown on the contract documents no exceptions.

- A. All studs and runner tracks shall be formed from steel that corresponds to the minimum requirements of AISI Standards, Latest Edition.
- B. Physical properties and allowable load capacities of members shall be developed in accordance with the latest edition of the AISI "Specification for the Design of Cold-Formed Steel Structural Members."
- C. Cutting of light gage steel members shall be performed with a saw. Torch cutting shall not be permitted.
- D. Holes that are field cut through light gage members shall be made with the limitations of the product design and shall be reinforced as recommended by the manufacturer.
- E. Horizontal bracing for walls shall be provided at 4 ft o.c. maximum in accordance with the typical details.
- F. All power actuated fasteners shall be 0.157" diameter X-U fasteners as manufactured by Hilli with an embedment equal to 1 1/4 inches unless noted otherwise.
- G. Place a continuous runner at the bottom and top of all stud walls. Bottom runner shall be connected to support member per schedule.
- H. Product Identification
- All material 16 Ga or less shall meet the requirements of ASTM A653 with minimum yield strength of 33 KSI unless noted otherwise, 14 Ga material shall have a minimum yield stress of 50 ksi.
  - All galvanized material to meet the requirements of ASTM with a minimum G60 coating.
  - Fastening of components shall be with #10 or #12 self tapping screws as noted in typical details.
  - Installation of studs shall be as per Metal Lath/Steel Framing Association - Light Weight Steel Framing System Manual, ASTM C955, ASTM C1007 and Project Specifications.
  - Minimum 12" unpunched steel required at both ends of members.
  - Thicknesses  
18 GA = 0.0451"  
16 GA = 0.0566"  
14 GA = 0.0713"  
12 GA = 0.1017"
- I. Stud
- Use three studs at the corner of all exterior walls.
  - Ends of studs must seat firmly in runner track which must have full bearing on structure.
  - Attach each runner track leg to each stud flange with one #10-16 screw or #12 screw.
  - No notching or coping of stud is allowed.
  - All light gauge steel wall studs shall be full height or span to supports with no splices in stud unless detailed otherwise.
  - All horizontal bracing shall be installed at the time the wall is erected at.
  - All multiple studs attach together with 2-#12 TEK screws @ 12" o.c. vertically; no exceptions.
- J. Attachments
- Use #10-16 screws for steel connections except as noted as plans and typical details.
  - A 3/4" (minimum) clearance must be maintained from all edges of steel members in locating screws.
  - For attachment of single layer 5/8" sheathing to steel studs, use 1 1/4" long #6-18 bugle head screws, 6" o.c. at panel edges and in the field typical. At the back side of parapets use 1 1/4", #6 screws @ 4" o.c. edges and at field.
- K. System Components
- Slide clips are used for curtain wall conditions to accommodate vertical movement of structure. Slide clips are attached with powder actuated fasteners (see details), and shall conform to the Steel Network, Inc. (888)-474-4876
- L. Headers
- Full height studs of corresponding size and appropriate gauge are required immediately adjacent to the jamb studs at each side of openings, see typical details.
- M. CFMF Contractor shall provide an allowance for one ton of additional Cold-Formed Metal Framing material to be utilized on the project as directed by the Engineer. If material is not utilized on the project a credit shall be returned to the owner.

**Garza + McLain**  
STRUCTURAL ENGINEERS, INC.  
13131 Southwest Freeway, Suite 163  
Sugar Land, Texas 77478  
(281) 494-1230 (voice)  
(281) 494-1234 (fax)

FIRM NO.: F-5031  
EXPIRATION: 9-30-2022  
JOB NO.:



**clk**  
architects & associates

615 N. Upper Broadway  
Suite 1250  
Corpus Christi, TX  
78401-0750

REVISIONS	
DATE	
DESCRIPTION	
MARK	

**WORKFORCE SOLUTIONS  
PHASE III RENOVATION**  
4981 AYERS STREET  
CORPUS CHRISTI, TX 78415

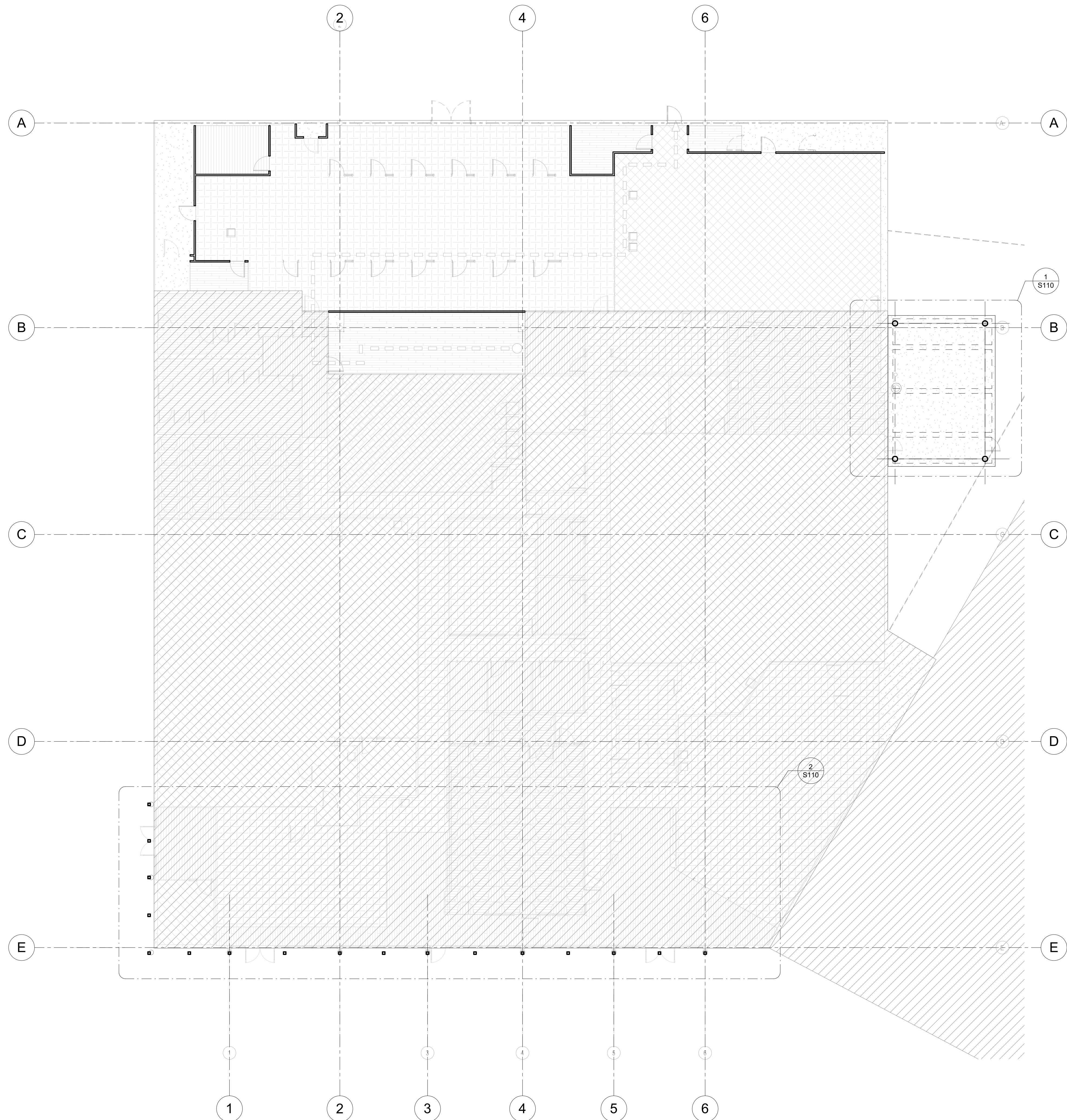
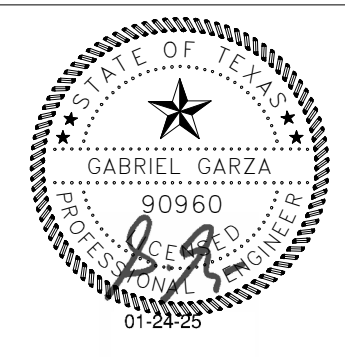
**STRUCTURAL GENERAL NOTES**

THIS DOCUMENT IS THE PROPERTY OF ARCHITECTS AND ASSOCIATES. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, REPRODUCED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ARCHITECTS AND ASSOCIATES.

JOB NO.	202415
PHASE:	CONSTRUCTION DOCUMENTS
ISSUE DATE:	01/24/2025
DRN. BY:	Author
CKD. BY:	Checker

SHEET NUMBER

**S001**



**PLAN NOTES:**

1. THE CONTRACTOR SHALL FIELD VERIFY AND/OR DETERMINE ALL EXISTING DIMENSIONS AND CONDITIONS SHOWN ON THE PLAN AND DETAILS PRIOR TO BEGINNING CONSTRUCTION AND SUBMITTING SHOP DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR SPECIAL CONDITIONS FOR WHICH DETAILS FOR NEW CONSTRUCTION HAVE NOT BEEN PROVIDED PRIOR TO PROCEEDING WITH THE WORK. NO EXCEPTIONS.
2. BASED UPON ACTUAL FIELD CONDITIONS ENCOUNTERED AT THE JOB SITE, ADDITIONAL NEW FRAMING OR MODIFICATIONS TO EITHER THE NEW OR EXISTING FRAMING SHOWN MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ALL INFORMATION REQUIRED BY THE SUB CONTRACTORS AND MATERIAL SUPPLIERS BASED UPON FIELD MEASUREMENTS AND DETERMINATION OF EXISTING CONDITIONS AT THE JOB SITE. THIS INFORMATION SHALL BE INDICATED ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW TO THE ARCHITECT AND ENGINEER, NO EXCEPTIONS.
3. NOTATION THUS: F.V. INDICATES DIMENSION TO BE FIELD VERIFIED.

REVISIONS		
DATE	DESCRIPTION	MARK

**WORKFORCE SOLUTIONS  
 PHASE III RENOVATION**  
 4981 AYERS STREET  
 CORPUS CHRISTI, TX 78415

**OVERALL FOUNDATION PLAN**

THIS DRAWING IS THE PROPERTY OF GARZA + MCLAIN, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF GARZA + MCLAIN, INC. IS STRICTLY PROHIBITED.

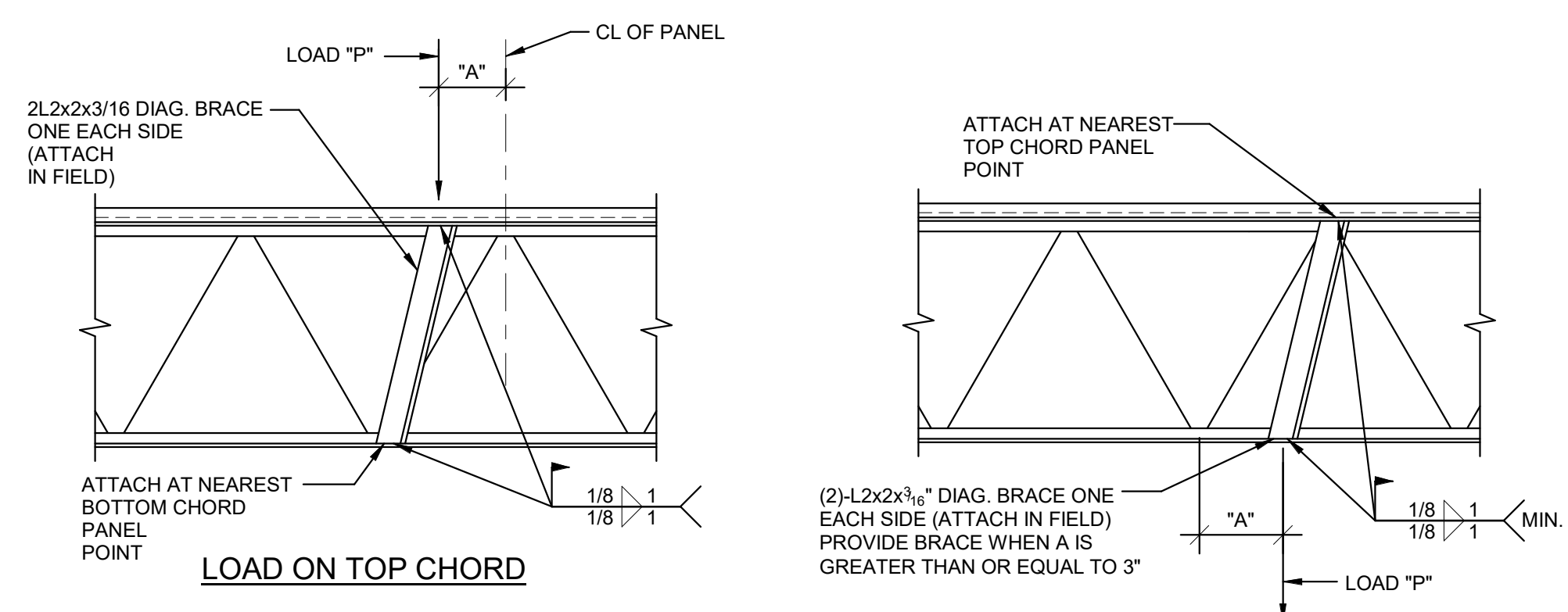
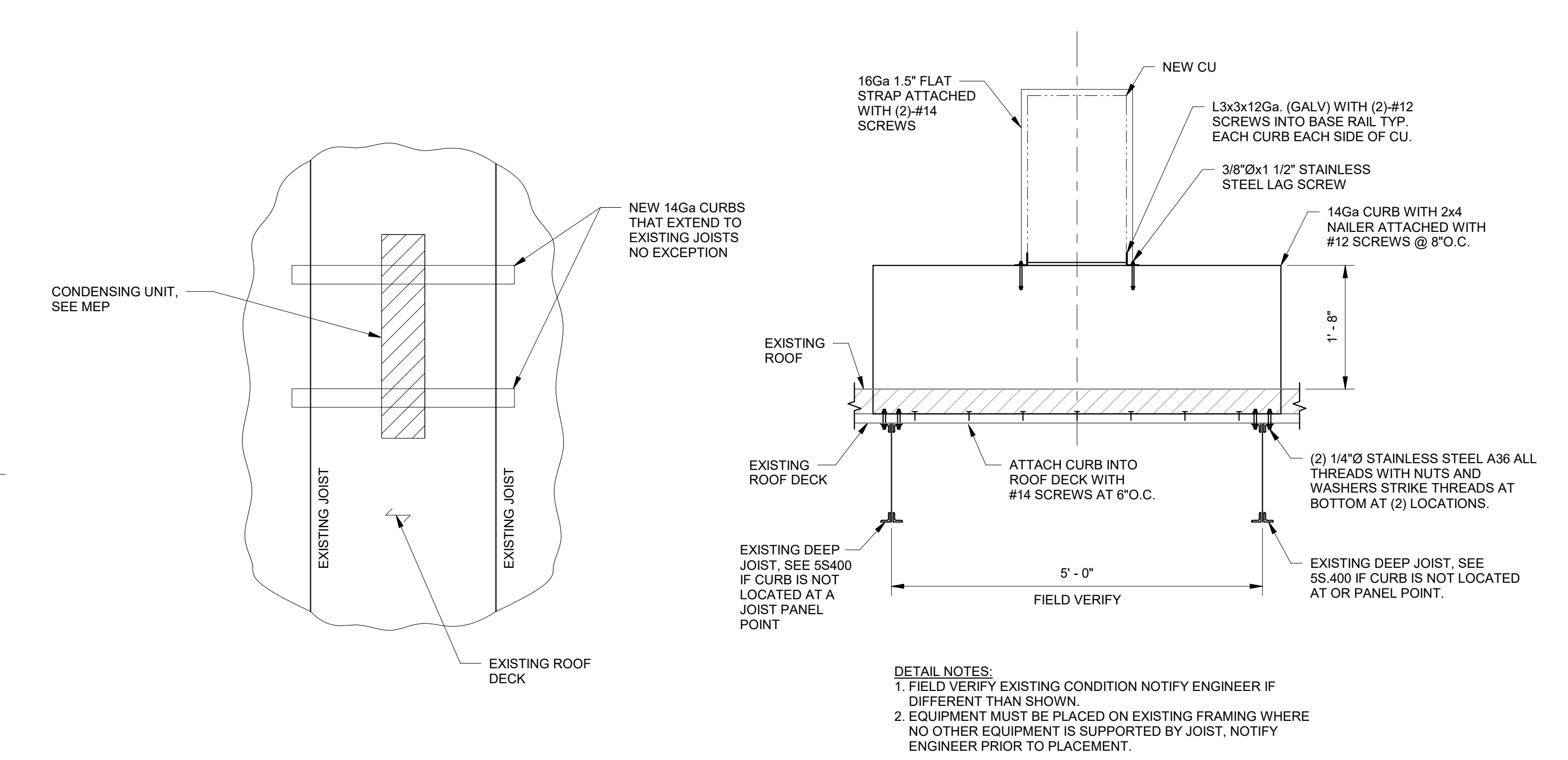
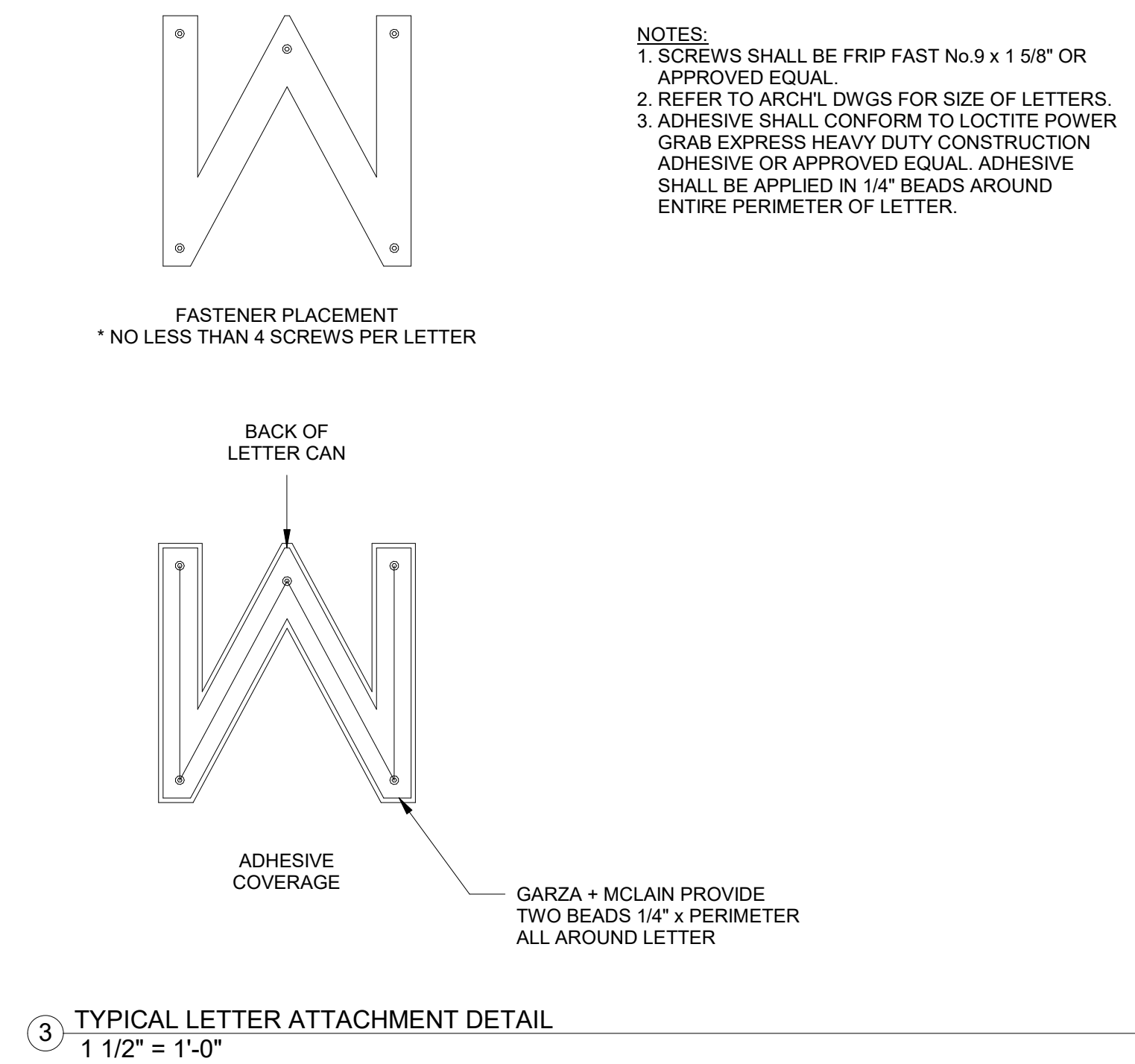
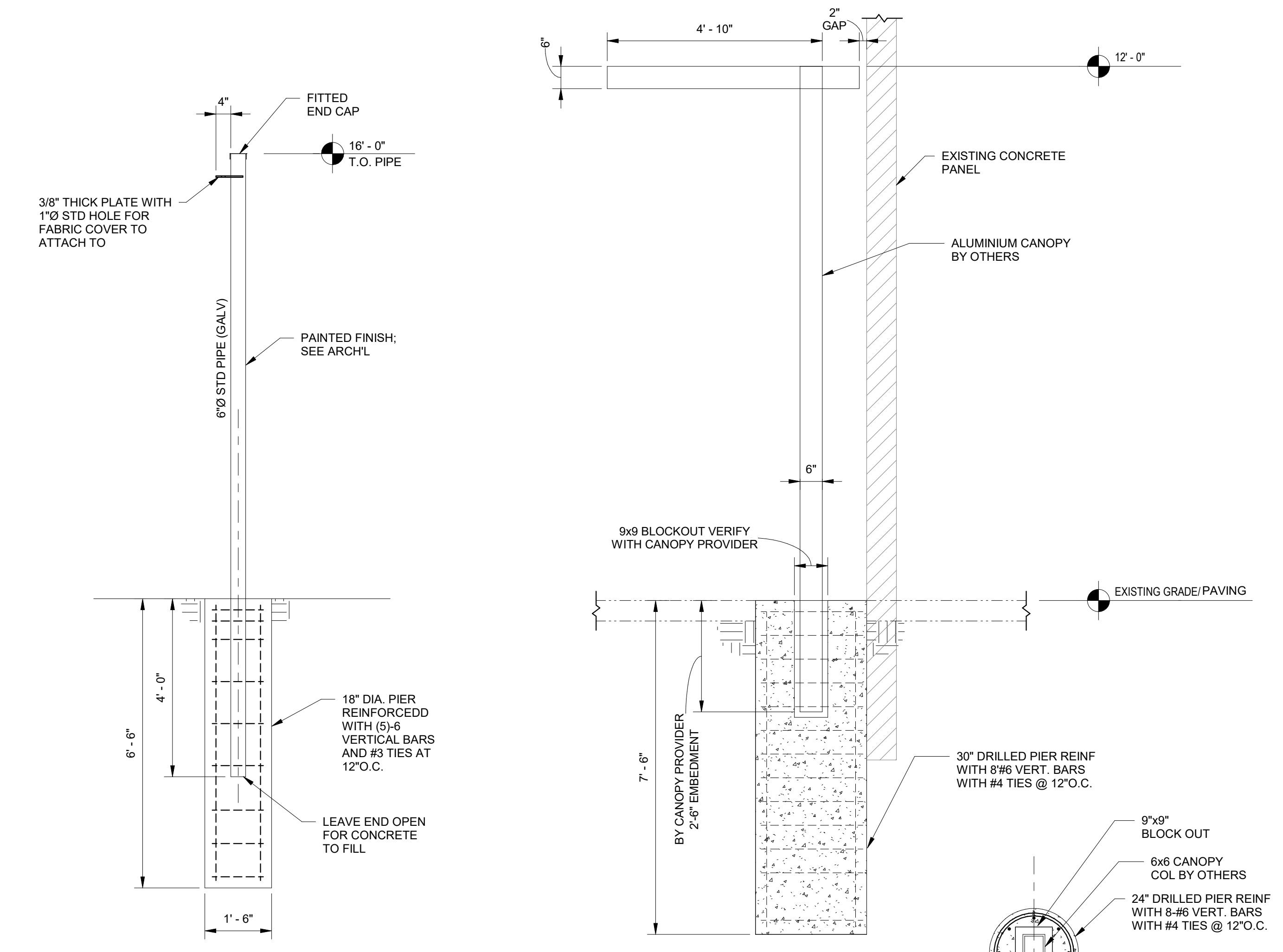
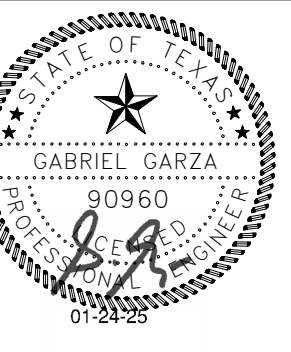
JOB NO.	202415
PHASE:	CONSTRUCTION DOCUMENTS
ISSUE DATE:	01/24/2025
DRN. BY:	Author
CKD. BY:	Checker

SHEET NUMBER  
**S100**









REVISIONS	
DATE	DESCRIPTION

**WORKFORCE SOLUTIONS**  
**PHASE III RENOVATION**  
 4981 AYERS STREET  
 CORPUS CHRISTI, TX 78415

**DETAILS**

THIS DOCUMENT IS THE PROPERTY OF GARZA + MCLAIN, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF GARZA + MCLAIN, INC. IS STRICTLY PROHIBITED. THE USER ASSUMES ALL LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF THIS DOCUMENT.

JOB NO.	202415
PHASE:	CONSTRUCTION DOCUMENTS
ISSUE DATE:	01/24/2025
DRN. BY:	DJ
CKD. BY:	GG

SHEET NUMBER  
**S400**

























































LIGHT FIXTURE SCHEDULE									
TYPE	MANUFACTURER & CATALOG NO.		VOLTAGE	WATTS	LUMENS	TEMP	MOUNTED	DESCRIPTION	
A8	FINELITE #HP-2-P-D-8'-V-840-F-96-277-SC-FC-10%-FA150-C4-FE-CBA-ABL-8H-CBA		277V	74	6400	4000K	SUSPENDED	8' ACOUSTIC LIT BAFFLE LIT @ 10'6" AFF TO BOTTOM OF FIXTURE	
A8-EM	FINELITE #HP-2-P-D-8'-V-840-F-96-277-SC-FC-10%-FA150-C4-FE-CBA-ABL-8H-CBA-FAC CHO		277V	74	6400	4000K	SUSPENDED	8' ACOUSTIC LIT BAFFLE LIT @ 10'6" AFF TO BOTTOM OF FIXTURE W/2' BATTERY PACK	
A4	FINELITE #HP-2-P-D-4'-V-840-F-96-277-SC-FC-10%-FA150-C4-FE-CBA-ABL-8H-CBA		277V	37	3200	4000K	SUSPENDED	4' ACOUSTIC LIT BAFFLE LIT @ 10'6" AFF TO BOTTOM OF FIXTURE	
A8U	FINELITE #HP-2-P-ABU-8'-FA150-8H-CBA		-	-	-	-	SUSPENDED	8' ACOUSTIC BAFFLE UNLIT @ 10'6" AFF TO BOTTOM OF FIXTURE	
A4U	FINELITE #HP-2-P-ABU-4'-FA150-8H-CBA		-	-	-	-	SUSPENDED	4' ACOUSTIC BAFFLE UNLIT @ 10'6" AFF TO BOTTOM OF FIXTURE	
B1	LITHONIA #2BLT4-48L-ADSM-GZ10-LP840		277V	38	4800	4000K	RECESSED	2'X4' LED TROFFER 5000 LUMENS	
B1X	LITHONIA #2BLT4-48L-ADSM-GZ10-LP840-EL14L		277V	38	4800	4000K	RECESSED	2'X4' LED TROFFER 5000 LUMENS W/ BATTERY PACK	
B2	LITHONIA #2BLT4-60L-ADSM-GZ10-LP840		277V	46	6000	4000K	RECESSED	2'X4' LED TROFFER 6000 LUMENS	
B2X	LITHONIA #2BLT4-60L-ADSM-GZ10-LP840-EL14L		277V	46	6000	4000K	RECESSED	2'X4' LED TROFFER 6000 LUMENS W/ BATTERY PACK	
C	LITHONIA #LDN6-40/10L06AR-LSS-MVOLT-GZ10-ACC		277V	28	2500	4000K	SUSPENDED	6" SUSPENDED CYLINDER DOWNLIGHT @ 10' AFF TO BOTTOM OF FIXTURE	
D1	LITHONIA #LDN6-40/10L06AR-LSS-MVOLT-GZ10		277V	11	1000	4000K	RECESSED	6" RECESSED CAN DOWNLIGHT	
D2	LITHONIA #LDN6-40/15L06AR-LSS-MVOLT-GZ10		277V	18	1500	4000K	RECESSED	6" RECESSED CAN DOWNLIGHT	
D2X	LITHONIA #LDN6-40/15L06AR-LSS-MVOLT-GZ10-EL		277V	18	1500	4000K	RECESSED	6" RECESSED CAN DOWNLIGHT W/ BATTERY PACK	
S	LITHONIA #CSS-L48-AL03-MVOLT-40K-80CRI		277V	35	4000	4000K	SUSPENDED	4' STRIP LED SUSPENDED @ 10'6" AFF TO BOTTOM OF FIXTURE	
SX	LITHONIA #CSS-L48-AL03-MVOLT-40K-80CRI-HE10WCPHE		277V	35	4000	4000K	SUSPENDED	4' STRIP LED SUSPENDED @ 10'6" AFF TO BOTTOM OF FIXTURE	
EX	LITHONIA #LHOM-LED-R-HO-SD		277V	3	-	-	SURFACE	EXIT/EMERGENCY LIGHT COMBO	
OA	LITHONIA #WDGE1-LED-P1-35K-80CRI-VW-MMVOLT-SRM-E4WH-CBA		277V	10	1200	3500K	SURFACE	EXTERIOR WALL PACK W/EM PACK	
OC	LITHONIS #LDN6-40/20L06AR-LSS-MVOLT0GZ10		277V	22	2009	4000K	RECESSED	6" RECESSED DOWNLIGHT ON CANOPY	
OCX	LITHONIS #LDN6-40/20L06AR-LSS-MVOLT0GZ10-EL		277V	22	2009	4000K	RECESSED	6" RECESSED DOWNLIGHT ON CANOPY W/BATTERY PACK	

NOTE #1 : CBA = COLOR BY ARCHITECT

PANEL ' C '										225 AMP, M.C.B, 120/208 V, 3PH, 4W, S/N, SURFACE, NEMA 1, 22 KAIC									
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED	CKT #							
1	-	-	#10 AWG		A			20/1	#12 AWG	900	ELEC/STORAGE RECP	2							
3	SPD	-	#10 AWG	30/3		B		20/1	#12 AWG	1080	SMALL CONFERENCE	4							
5	-	-	#10 AWG				C	20/1	#12 AWG	720	POWER POLE A	6							
7	CU-2	1872	#12 AWG	20/2	A			20/1	#12 AWG	720	*	8							
9	SS-2	1872	#12 AWG			B		20/1	#12 AWG	720	*	10							
11	SPACE	-	-	-			C	20/1	#12 AWG	720	*	12							
13	SPACE	-	-	-	A			20/1	#12 AWG	800	PRINTER 192	14							
15	VAV-1-1	1768	#12 AWG	20/2		B		20/1	#12 AWG	900	POWER POLE B	16							
17	-	1768	#12 AWG				C	20/1	#12 AWG	900	*	18							
19	VAV-1-2	4160	#8 AWG	40/2	A			20/1	#12 AWG	900	*	20							
21	-	4160	#8 AWG			B		20/1	#12 AWG	900	*	22							
23	VAV-1-3	5304	#4 AWG	60/2			C	20/1	#12 AWG	1080	OFFICE 178/179	24							
25	-	5304	#4 AWG		A			20/1	#12 AWG	1260	OFFICE 180/181	26							
27	VAV-1-4	1352	#12 AWG	20/2		B		20/1	#12 AWG	1080	OFFICE 182/183	28							
29	-	1352	#12 AWG				C	20/1	#12 AWG	1080	STORAGE/OPEN SPACE	30							
31	VAV-1-5	1456	#12 AWG	20/2	A			20/1	#12 AWG	1080	FURN FEED 193	32							
33	-	1456	#12 AWG			B		20/1	#12 AWG	1080	*	34							
35	VAV-1-6	1872	#12 AWG	20/2			C	20/1	#12 AWG	1080	*	36							
37	-	1872	#12 AWG		A			20/1	#12 AWG	1080	*	38							
39	VAV-1-7	2600	#10 AWG	25/2		B		20/1	#12 AWG	1000	PRINTER 193	40							
41	-	2600	#10 AWG				C	20/1	#12 AWG	1080	FURN FEED 193	42							
43	VAV-1-8	2704	#10 AWG	30/2	A			20/1	#12 AWG	1080	*	44							
45	-	2704	#10 AWG			B		20/1	#12 AWG	1080	*	46							
47	VAV-1-9	3224	#8 AWG	35/2			C	20/1	#12 AWG	1080	*	48							
49	-	3224	#8 AWG		A			20/1	#12 AWG	1000	PRINTER 193	50							
51	ROOF RECEP	180	#12 AWG	20/1		B		20/1	#12 AWG	1080	FURN FEED 193	52							
53	OFFICE 184/185	1260	#12 AWG	20/1			C	20/1	#12 AWG	1080	*	54							
55	OFFICE 186/187	1260	#12 AWG	20/1	A			20/1	#12 AWG	1080	*	56							
57	OFFICE 188/189	1260	#12 AWG	20/1		B		20/1	#12 AWG	1080	*	58							
59	TIME CLOCK	500	#12 AWG	20/1			C	20/1	#12 AWG	360	PATIO ALT #3	60							

CONNECTED LOAD = 86164 VA PHASE A = 31752 VA PHASE B = 27352 VA PHASE C = 27060 VA

PANEL ' B2 '										EXISTING 100 AMP, M.L.O, 120/208 V, 3, 4W, S/N, SURFACE, NEMA 1, 22 KAIC									
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED	CKT #							
1	COPY MACHINE 130	1400	#12 AWG	20/1	A			20/1*	#12 AWG	1080	IT -190 RACEWAY A	2							
3	STORAGE 129	900	#12 AWG	20/1		B		20/1*	#12 AWG	1080	*	4							
5	STORAGE 133	360	#12 AWG	20/1			C	20/1*	#12 AWG	1080	IT -190 RACEWAY B	6							
7	IT-190 RECP	360	#12 AWG	20/1*	A			20/1*	#12 AWG	1080	*	8							
9	IT-190 RECP	900	#12 AWG	20/1*		B		20/1	-	-	SPARE	10							
11	IT-190 RECP	900	#12 AWG	20/1*			C	20/1	-	-	SPARE	12							
13	SPACE	-	-	20/1	A			20/1	-	-	SPARE	14							
15	SPACE	-	-			B					SPACE	16							
17	SPACE	-	-				C				SPACE	18							
19	SPACE	-	-		A						SPACE	20							
21	SPACE	-	-			B					SPACE	22							
23	SPACE	-	-				C				SPACE	24							

CONNECTED LOAD = 9140 VA PHASE A = 3920 VA PHASE B = 2880 VA PHASE C = 2340 VA

NOTE #1: \* DENOTES NEW CIRCUIT EXISTING BREAKER TO REMAIN.

PANEL ' SDP '										EXISTING 800 AMP, M.L.O, 277/480 V, 3, 4W, S/N, SURFACE, NEMA 1, 35 KAIC									
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED	CKT #							
1	EXISTING	118966	PER ONE-LINE								XFMR T-B	2							
	PANEL 'MDP'	120737	PER ONE-LINE	400/3		B		110/3	PER ONE-LINE	18860	75KVA								
		117561	PER ONE-LINE				C		PER ONE-LINE	16440	PANEL 'B'								
3	EXISTING	21334	PER ONE-LINE								SPACE	4							
	XFMR - PNL 'MP'	24050	PER ONE-LINE	225/3		B													
		27124	PER ONE-LINE				C												
5	XFMR T-C	31752	PER ONE-LINE								SPACE	6							
	75KVA	27352	PER ONE-LINE	110/3		B													
	PANEL 'C'	27060	PER ONE-LINE				C												
7	-	-	-	-	A			60/3	PER ONE-LINE	-	SPD	8							
	-	-	-	-		B			PER ONE-LINE	-									
	-	-	-	-			C		PER ONE-LINE	-									

CONNECTED LOAD = 563616 VA PHASE A = 190912 VA PHASE B = 188579 VA PHASE C = 184125 VA

PANEL ' MDP '										EXISTING 400 AMP, M.L.O, 277/480 V, 3, 4W, S/N, SURFACE, NEMA 1, 22 KAIC									
CKT #	LOAD SERVED	LOAD	CONDUIT & WIRE SIZE	BKR SIZE	A	B	C	BKR SIZE	CONDUIT & WIRE SIZE	LOAD	LOAD SERVED	CKT #							
1	SPACE							20/1	#12 AWG	3294	LIGHTS PHASE 1	2							
3	SPACE							20/1 B	#12 AWG	3879	LIGHTS PHASE 3	4							
5	SPACE								#8 AWG	9418	RTU-1	6							
7	RTU-2	12800	#4 AWG					40/3	#8 AWG	9418	*	8							
9	-	12800	#4 AWG						#8 AWG	9418	*	10							
11	-	12800	#4 AWG	</															



ELECTRICAL LEGEND

Table with 2 columns: SYMBOL and DESCRIPTION. Lists various electrical symbols such as HOMERUN TO CIRCUIT AND PANEL INDICATED, NEUTRAL CONDUCTOR, HOT CONDUCTOR, GROUNDING CONDUCTOR, TRAVELER, SWITCH LEG, TOGGLE SWITCH, THREWAY SWITCH, FOURWAY SWITCH, DIMMER SWITCH, KEY SWITCH, MOTOR RATED SWITCH.

REFER TO LIGHTING PLAN FOR ADDITIONAL LOW VOLTAGE LIGHTING CONTROLS SYMBOLS

Table with 2 columns: SYMBOL and DESCRIPTION. Lists electrical symbols for receptacles (duplex, ground fault, isolated ground, quadruplex), switches (toggle, three-way, four-way, dimmer, key, motor rated), boxes (junction, comb, telephone outlet), and other components like speakers, pushbuttons, hold up buttons, and various equipment connections.

ELECTRICAL SYSTEM SECTION 16000

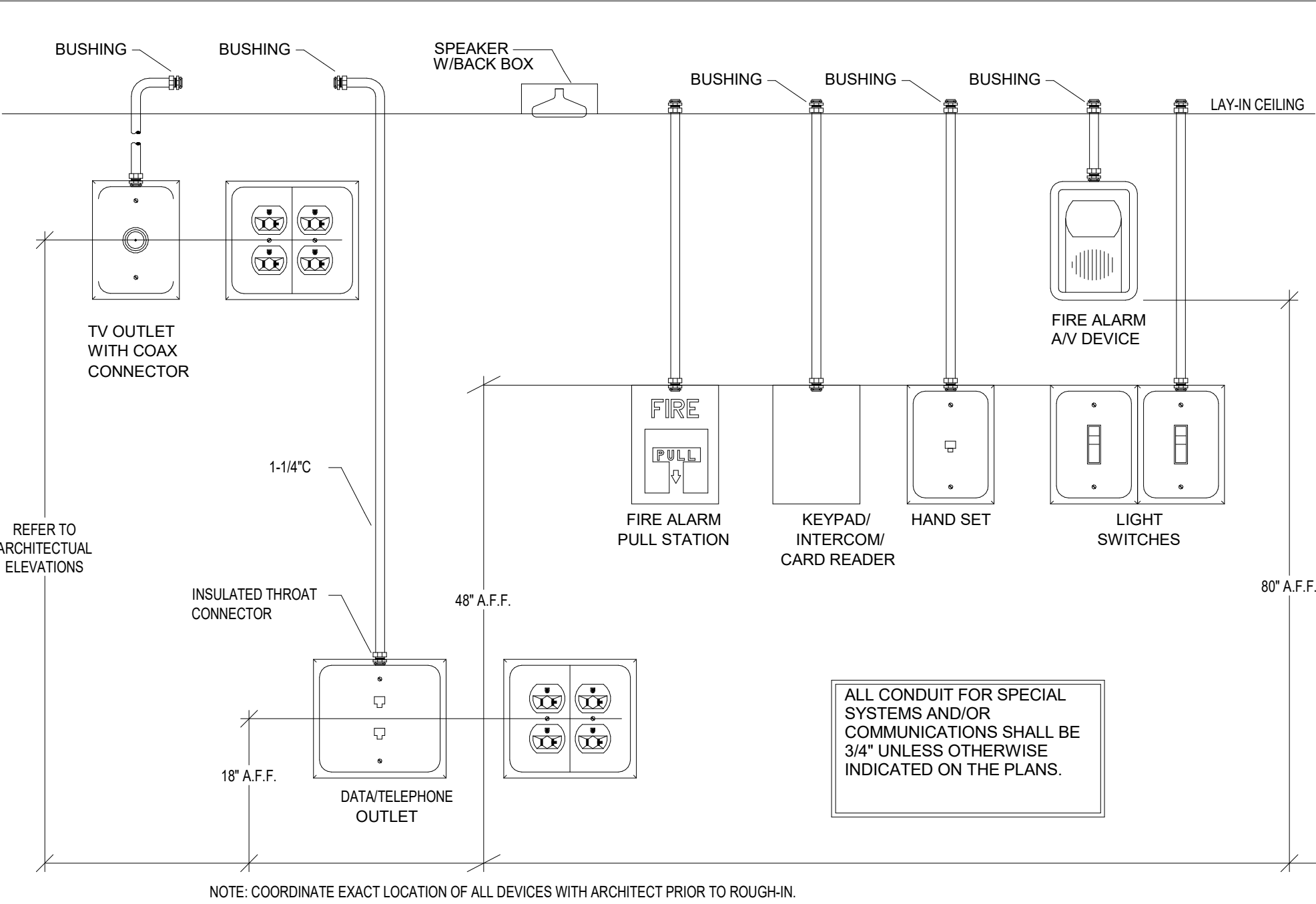
THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND DISMANTLING OF TEMPORARY POWER USED FOR CONSTRUCTION AND ALL COSTS INCURRED AS A RESULT OF THIS WORK. WORK UNDER THIS CONTRACT INCLUDES MODIFICATIONS TO ANY EXISTING ELECTRICAL SYSTEM AND ALSO PROVIDING NEW MATERIALS, DEVICES, AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING ELECTRICAL SYSTEM. THE DRAWINGS ARE TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR ELECTRICAL WORK ARE DIAGRAMMATIC, SHOWING THE LOCATION, TYPE, DEVICES, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. PROVIDE ALL DEVICE ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PROPER OPERATION OF ALL SYSTEMS AND THEIR ASSOCIATED EQUIPMENT AS INDICATED BY THE DESIGN ON THESE PLANS. COORDINATE WITH THE WORK OF ALL OTHER SECTIONS. VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. REFER TO ARCHITECTURAL PLANS AS WELL AS KITCHEN EQUIPMENT PLANS FOR ADDITIONAL INFORMATION REGARDING RELATED EQUIPMENT, CASEWORK, AND ELECTRICAL CONNECTIONS REQUIRED THEREIN. COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, NFPA, OSHA, LIFE SAFETY CODES, AND ALL APPLICABLE LAWS IN EFFECT AT THE TIME OF THIS PROPOSAL. IN THE CASE OF CONFLICT, THEN THE STRICTER INTERPRETATION SHALL TAKE PRECEDENCE. ALL MATERIALS USED SHALL BE NEW AND SHALL CONFORM TO THE STANDARDS ESTABLISHED BY THE UNDERWRITER'S LABORATORIES INC. VERIFY VOLTAGE DROPS, A.I.C. RATINGS FOR ALL EQUIPMENT CONNECTED, AND VERIFY SIZE OF ALL CIRCUIT BREAKERS, CONDUIT, ETC. PRIOR TO INSTALLATION. ROOF PENETRATIONS SHALL COMPLY WITH SMACNA, NRCA STANDARDS, AS WELL AS ALL REQUIREMENTS OF THE OWNER AND ROOF METHODS AND MATERIALS WARRANTY. SUB-CONTRACT ROOFING PENETRATION WORK TO AN ENTITY APPROVED FOR USE BY THE OWNER AND ROOF MANUFACTURER. PANELBOARDS SHALL BE AS MANUFACTURED BY SQUARE D, EATON, OR SIEMENS. ALL EQUIPMENT SHALL BE U.L. LISTED AND MEET OR EXCEED ALL OF THE LATEST APPLICABLE U.L. AND NEMA STANDARDS. BUSSING SHALL BE COPPER WITH SILVER PLATING. PROVIDE SOLID NEUTRAL BAR. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY TYPE AS MANUFACTURED BY SQUARE D, EATON, OR SIEMENS. ALL EQUIPMENT SHALL BE U.L. LISTED AND MEET OR EXCEED ALL OF THE LATEST APPLICABLE U.L. AND NEMA STANDARDS. DO NOT MOUNT DISCONNECT SWITCHES TO ANY HVAC UNIT. LOCATION TO BE COORDINATED WITH MECHANICAL CONTRACTOR. TRANSFORMERS SHALL BE AS MANUFACTURED BY SQUARE D, EATON, OR SIEMENS. ALL EQUIPMENT SHALL BE U.L. LISTED AND MEET OR EXCEED ALL OF THE LATEST APPLICABLE U.L. AND NEMA STANDARDS. CIRCUIT BREAKERS: THERMAL MAGNETIC TYPE, QUICK-MAKE, QUICK-BREAK, BOLT-ON TYPE OF SINGLE UNIT CONSTRUCTION. TWO AND THREE POLE BREAKERS SHALL BE SINGLE UNIT COMMON TRIP TYPE. BREAKERS USED AS A SWITCH FOR 120 VOLT LIGHTING CIRCUIT SHALL BE APPROVED FOR THAT USE AND MARKED "SWD". BREAKERS USED FOR PROTECTING HVAC EQUIPMENT SHALL BE RATED "HACR". SURGE PROTECTION DEVICE (SPD): SPDs SHALL BE UL1449 4TH EDITION LISTED AND MANUFACTURED BY THOR SQUARE D, EATON OR SIEMENS. SPDs SHALL HAVE STANDARD 7-MODE PROTECTION AND SERVICE ENTRANCE & INTERMEDIATE DISTRIBUTION UNITS SHALL BE UL LABELED WITH 20KA INOMINAL SURGE CURRENT CAPABILITY FOR SERVICE ENTRANCE DEVICES SHALL BE 300KA PER PHASE, 200KA PER PHASE FOR INTERMEDIATE DISTRIBUTION OR ROOF MOUNTED BRANCH PANELS, AND 100KA FOR BRANCH PANELS. SPDs SHALL BE EXTERNAL TO EQUIPMENT UNLESS NOTED OTHERWISE ON DRAWING. CABINETS SHALL BE ONE PIECE GAGE GALVANIZED STEEL WITH MOUNTING STUDS, WIRING CUTTERS OF AMPLE SIZE AND KNOCKOUTS FOR CONDUIT CONNECTIONS AS REQUIRED. BUS BARS SHALL BE 96% CONDUCTIVE COPPER, ALUMINUM, OR COPPER-CLAD ALUMINUM. FRONTS SHALL BE ONE PIECE GAGE FURNITURE STEEL WITH ADJUSTABLE FASTENERS. PROVIDE FLUSH MOUNT UNITS UNLESS OTHERWISE INDICATED. PROVIDE A PLASTIC COVERED TYPEWRITTEN SCHEDULE IDENTIFYING ALL BRANCH CIRCUITS INSIDE EACH CABINET. GROUNDING SYSTEM: PERMANENTLY AND EFFECTIVELY GROUND ALL METALLIC CONDUIT, SUPPORTS, CABINETS, PANELBOARDS AND SYSTEM NEUTRAL CONDUCTORS. MAINTAIN CONTINUITY OF EQUIPMENT GROUND THROUGHOUT THE SYSTEM. GROUND CLAMPS SHALL BE APPROVED TYPE, SPECIFICALLY DESIGNED FOR GROUNDING. WHERE GROUNDING CONDUCTORS ARE ENCLOSED IN CONDUIT, GROUND CLAMP SHALL BE OF A TYPE WHICH GROUND BOTH CONDUCTOR AND CONDUIT. ALL CIRCUITS IN FLEXIBLE METAL OR PLASTIC CONDUIT SHALL INCLUDE A GROUND WIRE SIZE IN ACCORDANCE WITH NEC TABLE 250. CONDUIT SHALL BE SIZED TO COMPLY WITH NEC FOR NUMBER AND SIZE OF CONDUCTORS INSTALLED. MINIMUM OF 24" BELOW GRADE. PROVIDE SCHEDULE 40 PVC PLASTIC OR RIGID STEEL CONDUIT BELOW GRADE. MINIMUM SIZE 3/4". PROVIDE RIGID STEEL ELBOWS WHEN UNDERGROUND AND CONDUIT PENETRATES THE FLOOR SLAB. PROVIDE ELECTRICAL METALLIC TUBING (EMT) MEETING FSW-C563, ARMOR CABLE, OR FLEXIBLE CONDUIT (IN LENGTHS 6' OR LESS) FOR INTERIOR LOCATIONS. EMT CONNECTORS AND COUPLINGS 2" AND SMALLER SHALL BE COMPRESSION TYPE. CLAMP CONDUIT TO BOXES WITH BUSSING INSIDE AND LOCKNUT OUTSIDE. 1. RIGID STEEL CONDUIT: ANSI C80.1 2. INTERMEDIATE STEEL CONDUIT: UL 1242 3. ELECTRICAL METALLIC TUBING AND FITTINGS: ANSI C80.3 4. FLEXIBLE METAL CONDUIT: ZINC COATED STEEL 5. LIQUID-TIGHT FLEXIBLE METAL CONDUIT AND FITTINGS: UL 360. FITTINGS TO BE SPECIFICALLY APPROVED FOR USE WITH THIS RACEWAY. 6. MOUNTING SHALL BE APPROVED FOR INSTALLATION ONLY AT THE END OF A RIGID CONDUIT RUN AND IS ONLY TO ORIGINATE FROM AN APPROVED JUNCTION BOX AND FEED DIRECTLY DOWN TO DEVICE. CONDUCTORS: INSULATED SOFT ANNEALED 98% PURE COPPER WITH COLOR CODING, B AND S GAGE, #12 TO BE SOLID OR STRANDED, #10 AND LARGER TO BE STRANDED, MINIMUM #12, UNLESS OTHERWISE INDICATED. ALL EQUIPMENT TO BE PROVIDED WITH C/UL 75 DEGREE C. TERMINAL LUGS. CONDUCTORS WITH "THHN" INSULATION MAY NOT BE USED UNDERGROUND AT SERVICE ENTRANCES, OUTSIDE, OR IN WET LOCATIONS. ALL INSULATION TO BE RATED FOR 90° DEGREE C OR 600 VOLT AND TYPES AS FOLLOWS:

Table with 2 columns: BRANCH CIRCUITS, FEEDERS, SERVICE ENTRANCE and their corresponding THHN, THWN2, THWN2, XHHW, XHHW2 ratings.

DEVICES & COVERPLATES: PUBLIC AREAS: ALL DEVICES AND COVERPLATES SHALL BE STAINLESS STEEL. STANDARD DUPLEX RECEPTACLES SHALL BE GROUNDING TYPE, 20 AMP, NEMA 5-20R, SIDE OR BACK WIRE. SINGLE RECEPTACLE: 15 AMP, 125 VOLT, 2-POLE, 3-WIRE, GROUNDING TYPE WITH NEMA CONFIGURATION 5-15R. HUBBELL #5342-4. (DEVICE COLOR IS DEPENDENT ON AREA OF BUILDING). DUPLEX RECEPTACLE: 20 AMP, 125 VOLT, 2-POLE, 3-WIRE, GROUNDING TYPE WITH NEMA CONFIGURATION 5-20R. HUBBELL #5342-4. (DEVICE COLOR IS DEPENDENT ON AREA OF BUILDING). GROUND-FAULT INTERRUPTER RECEPTACLE: 20 AMP, 125 VOLT, 2-POLE, 3-WIRE, GROUNDING TYPE WITH NEMA CONFIGURATION 5-20R. FEED-THRU TYPE CAPABLE OF PROTECTING CONNECTED DOWNSTREAM RECEPTACLES. UL RATED CLASS A GROUP 1. SOLID STATE GROUND-FAULT SENSING LEVEL WITH 5 ma GROUND-FAULT TRIP LEVEL. HUBBELL #1G5362#. (DEVICE COLOR IS DEPENDENT ON AREA OF BUILDING). WEATHERPROOF RECEPTACLE: SHALL BE A GROUND-FAULT INTERRUPTER WITH STAINLESS STEEL GASKETED LIDS AND PLATE. PLATE TO CONSIST OF TWO SPRING LOADED LIDS HINGED AT TOP. PLUG FILLERS: PROVIDE FLUSH RECEPTACLE COVERS AT ALL DUPLEX RECEPTACLES IN PUBLIC AREAS. COLOR OF FILLERS TO MATCH COLOR OF RECEPTACLE AND COVERPLATE. LIGHTING FIXTURES: ALL LIGHTING FIXTURES AND ASSOCIATED LAMPS AND BALLASTS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. LAYOUT BRANCH CIRCUIT WIRING AND ARRANGE HOMERUNS FOR MAXIMUM ECONOMY AND EFFICIENCY. INCREASE WIRE AND CONDUIT SIZE ACCORDINGLY IF VOLTAGE DROP EXCEEDS 3% OR LENGTH OF RUN EXCEEDS 100 FEET. CONCEAL WIRING SYSTEM ABOVE SUSPENDED CEILINGS OR IN WALL OR FLOOR CONSTRUCTION WHERE POSSIBLE. INSTALL CONDUIT PARALLEL OR PERPENDICULAR TO ALL BUILDING LINES, SUCH THAT ALL OPENINGS, DEPRESSIONS, PIPES, DUCTS, STRUCTURE, ETC. ARE AVOIDED. INSTALL CONDUIT CONTINUOUS BETWEEN BOXES AND CABINETS WITH NO MORE THAN FOUR (4) 90° DEGREE BENDS. SECURELY FASTEN IN PLACE WITH STRAPS, HANGERS AND STEEL SUPPORTS AS REQUIRED. DO NOT SUPPORT CONDUIT FROM SUSPENDED CEILING GRID OR SUSPENSION WIRES. REAM CONDUIT ENDS AND THOROUGHLY CLEAN BEFORE INSTALLATION. OPENINGS SHALL BE PLUGGED OR COVERED TO KEEP CONDUIT FREE OF DEBRIS. SWITCHES AND OUTLETS SHALL NOT BE USED TO "FEED THRU" TO THE NEXT SWITCH OR OUTLET. THE DISCONNECTION OR REMOVAL OF A RECEPTACLE, FIXTURE OR OTHER DEVICE FED FROM A BOX SHALL NOT INTERFERE WITH OR INTERRUPT THE CONDUCTOR CONTINUITY. ADJUSTING AND TESTING: ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED AND TESTED FOR PROPER OPERATION. COMPLETED WIRING SYSTEM SHALL BE FREE OF SHORT CIRCUITS. TOUCH-UP OR REFINISH DAMAGED SURFACES OF FIXTURES AND EQUIPMENT, EXPOSED TO VIEW, TO PRESENT A "NEW" APPEARANCE. ALL CONDUIT AND JUNCTION BOXES LOCATED WITHIN AN EXPOSED STRUCTURAL SYSTEM SHALL BE PAINTED TO MATCH THE COLOR OF THE STRUCTURE (COLOR TO BE VERIFIED WITH ARCHITECT). ALL LAMPS, FIXTURES AND ASSOCIATED HOUSINGS, LENSES, AND LOUVERS SHALL BE CLEANED PRIOR TO OWNER ACCEPTANCE. TOGGLE TYPE SWITCH: 20 AMP, 120/277 VOLT AC SINGLE-POLE, QUIET TYPE, WITH MOUNTING YOKE INSULATED FROM MECHANISM, EQUIPPED WITH PLASTER EARS, SIDE-WIRED SCREW TERMINALS. HUBBELL #HBL 1221L. A. 2-POLE, 3-WAY & 4-WAY SWITCHES SHALL BE OF THE SAME MAKE AS FOR SINGLE-POLE. PILOT TYPE TOGGLE SWITCH: INSTALL SWITCH DEVICES WITH 1/25 WATT NEON PILOT INTEGRAL WITH TOGGLE HANDLE, RATED 120/277 VOLT AC. PILOT LIGHT GLOWS IN THE "ON" POSITION. HUBBELL #HBL 1221PL. ELECTRICAL EQUIPMENT IDENTIFICATION: ENGRAVED PLASTIC-LAMINATE NAMEPLATES: SHALL BE ENGRAVING STOCK MELAMINE PLASTIC LAMINATE 1/16" THICK, 1-1/2" HIGH (2" HIGH FOR 2 LINES OF TEXT) WITH 1/2" HIGH ENGRAVER'S STYLE LETTERS. COLOR SHALL BE BLACK WITH WHITE LETTERING. NAMEPLATE SHALL BE PUNCHED FOR MECHANICAL FASTENING WITH SELF-TAPPING STAINLESS STEEL SCREWS, UNLESS ADHESIVE MOUNTING IS NECESSARY DUE TO SUBSTRATE MATERIAL. B. UNDERGROUND-TYPE PLASTIC LINE MARKER: SHALL BE PERMANENT, BRIGHT COLORED, CONTINUOUS-PRINTED PLASTIC TAPE, INTENDED FOR DIRECT BURIAL SERVICE. NOT LESS THAN 6" WIDE x 4 MILS THICK. PROVIDE TAPE WITH WORDED PRINT WHICH MOST ACCURATELY DESCRIBES THE TYPE OF SERVICE FOR BURIED CABLE. C. CABLE/CONDUCTOR IDENTIFICATION BANDS: SHALL BE VINYL-CLOTH, SELF-ADHESIVE, WRAP-AROUND TYPE MARKER. EITHER PRE-NUMBERED PLASTIC COATED TYPE OR WRITE-ON TYPE WITH CLEAR PLASTIC SELF-ADHESIVE COVER FLAP. NUMBERED TO SHOW CIRCUIT IDENTIFICATION.

GENERAL ROOF PLAN NOTES:

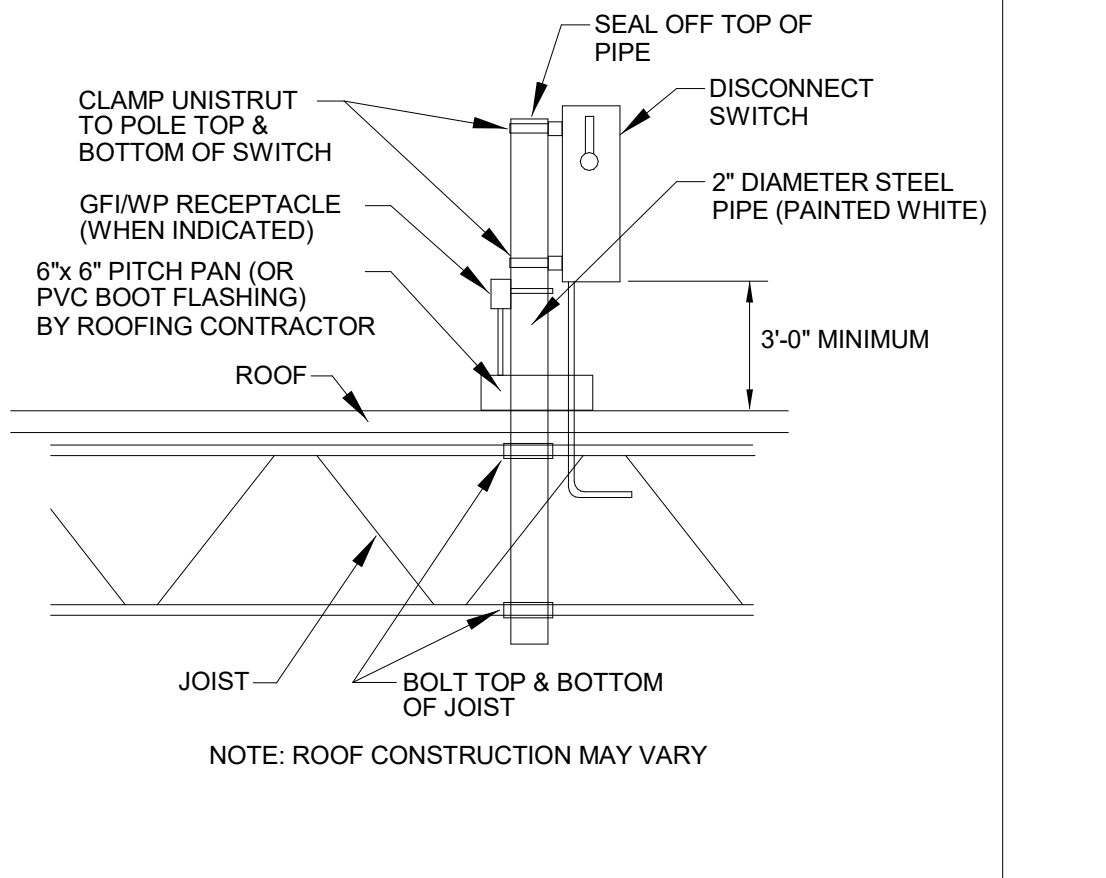
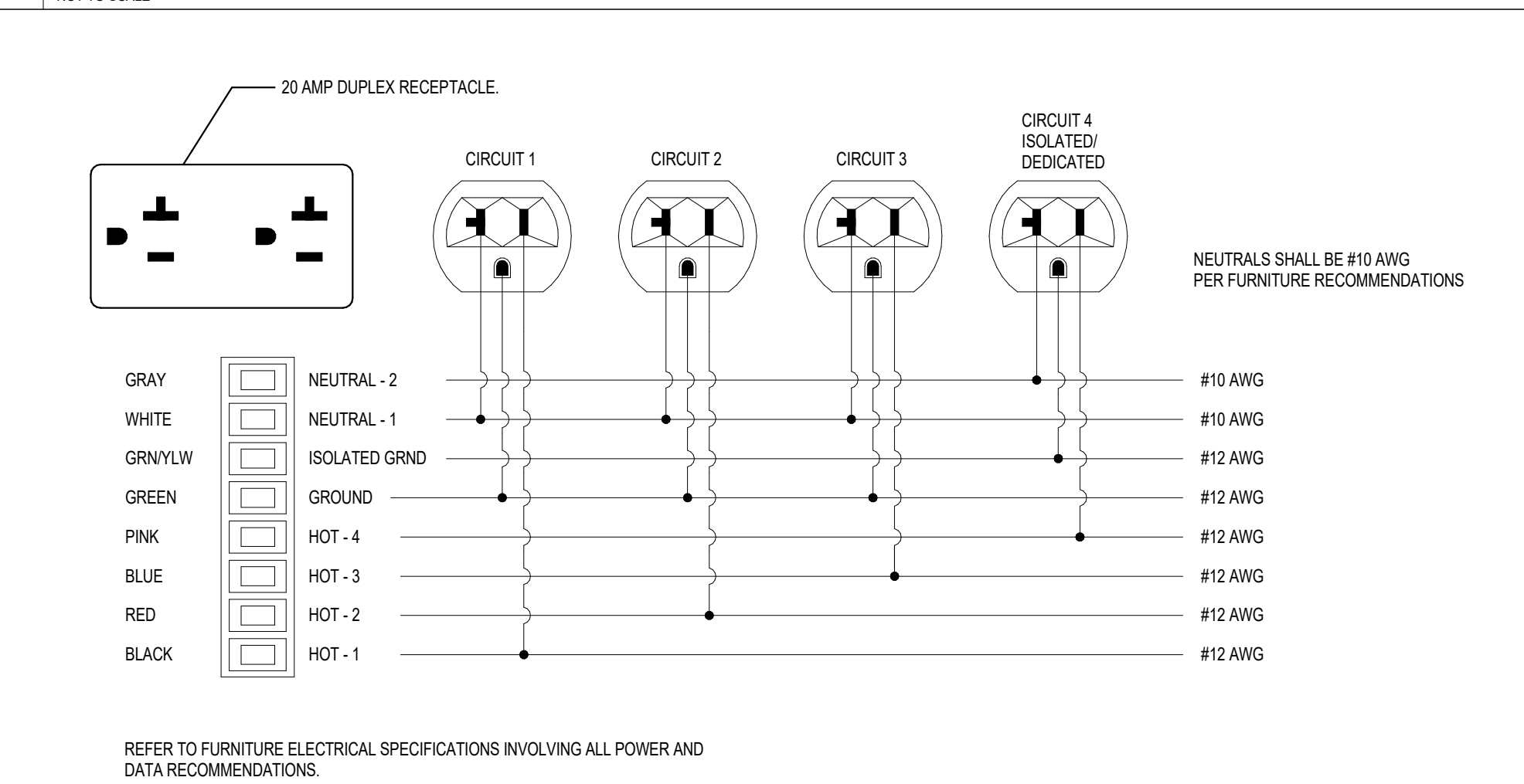
- 1. CONTRACTOR SHALL CAREFULLY REVIEW CONTRACT DOCUMENTS INCLUDING DRAWINGS AND PROJECT MANUAL. INFORMATION REGARDING WORK OF THE VARIOUS TRADES AND SUBCONTRACTORS ARE DISPERSED THROUGHOUT THE DOCUMENTS AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE FULL SET OF DOCUMENTS. 2. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES ABOVE THE CEILING TO PROVIDE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF AND FUTURE CHANGES IN MECHANICAL EQUIPMENT. CONDUIT AND PIPE TO BE RUN THROUGH TRUSSES. COORDINATE SERVICE AND ACCESS POINTS ABOVE CEILING TO MINIMIZE REQUIRED ACCESS. 3. VERIFY EXACT LOCATION OF ALL HVAC EQUIPMENT WITH HVAC CONTRACTOR PRIOR TO COMMENCING ANY WORK. 4. ALL EQUIPMENT (RECEPTACLES, DISC. SWITCHES, ETC.) SHALL BE WEATHERPROOF. 5. ALL FUSES FOR HVAC UNITS SHALL BE SIZED AS REQUIRED BY MANUFACTURER'S NAMEPLATE ON EQUIPMENT. FUSES SHALL BE CURRENT LIMITING, TIME DELAY BUSSMAN FRN-R OR EQUAL BY GOULD SHAWMUT. 6. ALL CONDUIT SHALL BE RUN CONCEALED BELOW ROOF. PROVIDE WATERTIGHT PITCH POCKETS AS REQUIRED. 7. REFER TO HVAC DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. PROVIDE ALL CONTROL CONDUIT AND WIRING AS REQUIRED FOR INTERLOCKING FANS, MOTORS, ETC. AS INDICATED ON THE HVAC DRAWINGS. 8. ALL DEVICES INSTALLED ON ROOF TOP EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. THIS LOCATION SHALL BE COORDINATED WITH THE MECHANICAL OR PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. 9. ROOF DECK PENETRATIONS: CONTRACTOR SHALL SECURE LANDLORD APPROVAL FOR ALL BUILDING ROOF DECK PENETRATIONS. REQUESTS SHALL BE ON A SCALED ROOF PLAN SHOWING EXACT LOCATION & SIZE OF PENETRATION & INCLUDE DETAILS OF MOUNTING, FLASHING & SEALING. CONTRACT WITH THE LANDLORD'S ROOFING CONTRACTOR TO PERFORM ALL WORK AT THIS CONTRACTOR'S SOLE EXPENSE. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL ROOFTOP EQUIPMENT, NEW ROOF PENETRATIONS, REMOVAL OF EXISTING ROOFTOP EQUIPMENT & INSTALLATION OF ALL ROOFTOP EQUIPMENT WITH THE LANDLORD.



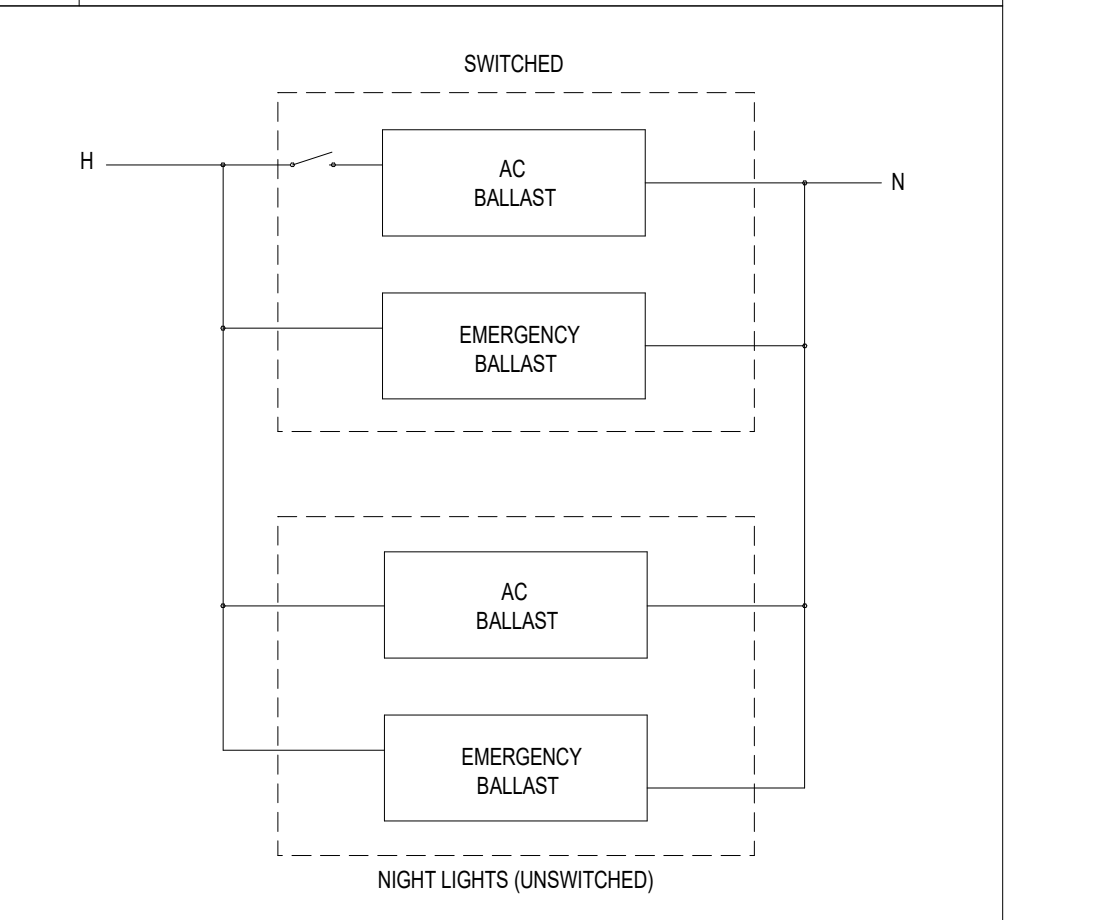
LIGHTING CONTROL NARRATIVE:

- OCCUPANT SENSOR CONTROLS SHALL BE UTILIZED THROUGHOUT FOR INTERIOR LIGHTING CONTROL, EXCEPT IN AREAS FOR WHICH EXCEPTIONS APPLY. • NO DAYLIGHT-RESPONSIVE CONTROLS ARE REQUIRED DUE TO THE FACT THAT NO ZONE MEETS THE MINIMUM REQUIREMENT OF 150WATTS PER ZONE. • EXTERIOR LIGHTING WILL BE CONTROLLED VIA TIME CLOCK AND PHOTOCCELL. • REDUCED LIGHTING POWER DENSITY (IECC C408.3) METHOD WILL BE UTILIZED TO SATISFY THE ADDITIONAL EFFICIENCY PACKAGE OPTION IN IECC C406. • LIGHTING SYSTEM CONTROLS FUNCTIONAL TESTING (IECC C408.3): UNDER 2015 IECC, LIGHTING SYSTEM CONTROLS TESTING IS REQUIRED FOR ALL COMMERCIAL PROJECTS. A LETTER FROM THE THIRD PARTY REGISTERED DESIGN PROFESSIONAL OR COMMISSIONING AGENT THAT FOLLOWS THE REQUIREMENT IN C408.3.1 WILL FULFILL THIS REQUIREMENT. THIS INCLUDES IN PARTICULAR: (A) OCCUPANT SENSOR CONTROLS, APPLICABLE FOR ALL PROJECTS C405.2.1 (B) TIME SWITCH CONTROLS, APPLICABLE FOR ALL PROJECTS C405.2.2 (C) DAYLIGHT RESPONSIVE CONTROLS, WHERE APPLICABLE C405.2.3 (D) SPECIFIC APPLICATION CONTROLS, WHERE APPLICABLE C405.2.4 (DISPLAY LIGHTING, ETC.) (E) EXTERIOR LIGHTING CONTROLS, WHERE APPLICABLE C405.2.5

1 TYPICAL DEVICE ELEVATIONS (UNLESS NOTED OTHERWISE)

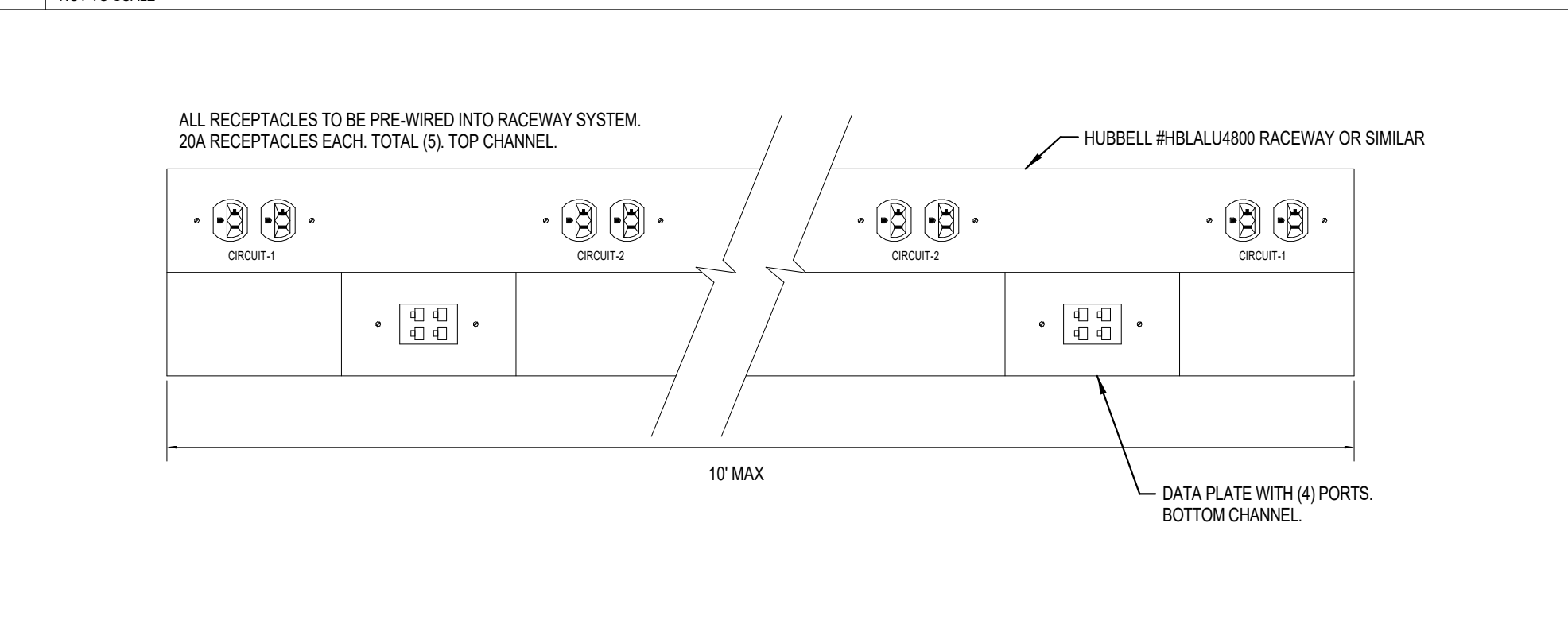


4 DISCONNECT MOUNTING DETAIL



5 EMERGENCY BALLAST WIRING

2 FOUR CIRCUITS, 3 + 1 RECEPTACLE OPTION, WIRING DIAGRAM



3 PRE-WIRED RACEWAY SYSTEM DIAGRAM

Professional Engineer seal for John A. Rodriguez III, License No. 90273, State of Texas. Signature and date 01/24/2025.

NRG ENGINEERING logo and address: 5656 S. STAPLES, SUITE 360, CORPUS CHRISTI, TX 78411. P - 361.852.2727 F - 361.852.2922 TEXAS ENGINEERING FIRM NO. 005318

01/24/2025

clk architects & associates logo and address: 615 N. Upper Broadway Suite 1250 Corpus Christi, TX 78401-0750

Revisions table with columns: DATE, DESCRIPTION, MARK.

WORKFORCE SOLUTIONS PHASE III RENOVATION 4981 AYERS STREET CORPUS CHRISTI, TX 78415 ELECTRICAL SPECIFICATIONS & DETAILS

Job information table: JOB NO. 202415, PHASE: CONSTRUCTION DOCUMENTS, ISSUE DATE: 01/24/2025, DRN. BY: CEG, CKD. BY: JAR

SHEET NUMBER E500