## DESIGN SPECIFICATIONS:

Construction Tupe: Commerical □ Residential ⊠

Applicable Building Codes:

• 2018 North Carolina Residential Building Code with All Local Amendments

• ASCE 7-10: Minimum Design Loads for Buildings and Other Structures

ian L	oads:		
~ 1.		Live Loads	
	1.1.	Conventional 2x	20 PS
	1.2.	Trus <b>s</b>	20 PS
		12.1. Attic Truss	60 PS
2.		Dead Loads	
	2.1.	Conventional 2x	
	2.2.	Trus <b>s</b>	20 PS
3.	Snow		15 PSF
	3.1.	Importance Factor	lø
4.		Live Loads	
	4.1.	Typ. Dwelling	40 PS
	4.2.	Sleeping Areas	30 PS
		Decks	
		Passenger Garage	
5.	Floor	Dead Loads	
	5.1.	Conventional 2x	
	5.2.	-Joist	15 PSF
	5.3.	Floor Truss	15 PSF
6.	Ultima	te Wind Speed (3 sec. gust)	PER F

6.I. Exposure ... 6.2. Importance Factor... 6.3. Wind Base Shear 63.l. Vx =

632.Vy = 7. Component and Cladding (in PSF)

MEAN ROOF HT.	UP TO 30'	<b>3</b> Ø'1"-35'	35'1"-40'	40'1"-45'
ZONE 1	16.7,-18.0	17.5,-18.9	18.2,-19.6	18.7,-20.2
ZONE 2	16.7,-21.0	17.5,-22.1	18.2,-22.9	18.7,-23.5
ZONE 3	16.7,-21.0	17.5,-22.1	18.2,-22.9	18.7,-23.5
ZONE 4	18.2,-19.0	19,2,-20.0	19.9,-2 <b>0</b> .7	20.4,-21.3
ZONE 5	18.2,-24.0	19.2,-25.2	19.9,-26.1	20.4,-26.9

Seismi	c	
8.1.	Site Class	D
8.2.	Design Category	С
8.3.	Importance Factor	IØ
8.4.	Seismic Use Group	1

8.5. Spectral Response Acceleration 85.1. Sms = %g 85.2. Sml = %g 8.6. Seismic Base Shear

861.Vx = 8.7. Basic Structural System (check one)

⊠ Bearing Wall

□ Building Frame

□ Moment Frame □ Dual w/ Special Moment Frame

□ Dual w/ Intermediate R/C or Special Steel
□ Inverted Pendulum

8.8. Arch/Mech Components Anchored ... 8.9. Lateral Design Control: Seismic 

9. Assumed Soil Bearing Capacity Wind ⊠

# SUMMIT

STRUCTURAL PLANS PREPARED FOR

# STANDARD DETAILS

PROJECT ADDRESS: TBD

ARCHITECT/DESIGNER

GMD Design Group 1845 Satellite Blvd

OWNER: DR Horton Carolinas Division 8001 Arrowridge Blvd Charlotte, NC 28273

These drawings are to be coordinated with the architectural, mechanical, plumbing, electrical, and civil drawings. This coordination is not the responsibility of the structural engineering of record (SER). Should any discrepancies become apparent, the contractor shall notify SUMMIT Engineering, Laboratory & Testing, P.C. before construction begins.

# PLAN ABBREVIATIONS:

AB	ANCHOR BOLT	PT	PRESSURE TREATED
AFF	ABOVE FINISHED FLOOR	RS	ROOF SUPPORT
CJ	CEILING JOIST	5C	STUD COLUMN
CLR	CLEAR	SJ	SINGLE JOIST
Dυ	DOUBLE JOIST	SPF	SPRUCE PINE FIR
D <b>S</b> P	DOUBLE STUD POCKET	SST	SIMPSON STRONG-TIE
噩	EACH END	SYP	SOUTHERN YELLOW PINE
ΕW	EACH WAY	ŤJ	TRIPLE JOIST
NTS	NOT TO SCALE	TSP	TRIPLE STUD POCKET
oc	ON CENTER	TYP	TYPICAL
P\$F	POUNDS PER SQUARE FOOT	UNO	UNLESS NOTED OTHERWISE
PSI	POUNDS PER SQUARE INCH	WWF	WELDED WIRE FABRIC

Roof truss and floor Joist layouts, and their corresponding loading details, were not provided to SUMMIT Engineering, Laboratory & Testing, P.C. (SUMMIT) prior to the initial design. Therefore, truss and Joist directions were assumed based on the information provided by <u>DR Horton. Inc.</u> Subsequent plan revisions based on roof truss and floor joist layouts shall be noted in the revision list, indicating the date the layouts were provided. Should any discrepancies become apparent, the contractor shall notify **SU**MMIT immediately.

## SHEET LIST:

REVISION LIST

Date

EIIII

7,12,17

3 2.15.18

4 2.28.18

5 12.19.18

6 2.19.19

8 3.6.19

9 3220

10 3.18.20 102020

13 5.18.21

14 @2.14.23

3.121

Revision

No.

Project No.

Sheet No.	Description	
CSI	Cover Sheet, Specifications, Revisions	
Dim	Monolithic Slab Foundation Details	
Dls	Stem Wall Foundation Details	
Dlc	Crawl <b>S</b> pace Foundation <b>D</b> etails	
Dlb	Basement Foundation Details	
DIf	Framing Details	

Added box bay detail (2/D2f). Added deck

stem wall and crawl space foundations

Revised garage door detail, NC only

Revised per Mecklenburg County Comments Revised stem wall deck attachment and i

Corrected dimensions at perimeter footings

Added alternate two-pour detail for slab and added note for crawl girder above grade

Added 4/D2m - Tall Slab Detail w/ Siding

Added high-wind foundation details

Revised stem wall insulation note

Revised per 2018 NCRC

sheathing on wall sections.

Added tall turndown detail

Added OX-19 Standard Details

Updated OX-IS Standard Details

options with basement. Revised deck options with

# DR HORTON PROJECT SIGN-OFF: Operations Operations Sustem Operations Product Development

# SUMMIT



# PROJECT: Standard I COVE



DATE: Ø2/14/2023 9CALE: 22x34 1/4"+1"-6" lbt/T 1/8"+1"-6" PROJECT 5 528-06R DRAWN BY: JOEF CHECKED BY: BCP

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

CSI

GENERAL STRUCTURAL NOTES:

- The design professional whose seal appears on these drawings is the structural engineer of record (SER) for this project. The SER bears the responsibility of the primary structural elements and the performance of this structure. No other party may revise, alter, or delete any structural aspects of these construction of couments without written permission of SUMMIT Engineering, Laboratory & Testing, P.C. (SUMMIT) or the SER. For th purposes of these construction documents the SER and SUMMIT
- shall be considered the same entity.

  The structure is only stable in its completed form. The contractor shall provide all required temporary bracing during construction to stabilize the structure.
- 3. The SER is not responsible for construction sequences, methods, or techniques in connection with the construction of this structure. The SER will not be held responsible for the contractor's failure to conform to the contract documents, should any non-conformities occur.

  Any structural elements or details not fully developed on the
- construction drawings shall be completed under the direction of a licensed professional engineer. These shop drawings shall be submitted to SUMMIT for review before any construction begins. The shop drawings will be reviewed for overall compliance as it relates to the structural design of this project. Verification of the shop drawings for dimensions, or for actual field conditions,
- the stop crasmings for diminishings of the accurations, is not the responsibility of the SER or SUMMIT. Verification of assumed field conditions is not the responsibility of the SER. The contractor shall verify the field conditions for accuracy and report any discrepancies to SUMMIT before
- construction begins.

  The SER is not responsible for any secondary structural elements or non-structural elements, except for the elements specifically
- noted on the structural drawings.

  This structure and all construction shall conform to all applicable sections of the international residential code.
- applicable sections of the international residential code.

  This structure and all construction shall conform to all applicable sections of local building codes.

  All structural assemblies are to meet or exceed to requirements of the current local building code.

The structural engineer has not performed a subsurface investigation. Verification of this assumed value is the responsibility of the owner or the contractor. Should any adverse soil condition be encountered the SER must be contacted before proceeding.

- The bottom of all footings shall extend below the frost line for the region in which the structure is to be constructed. However, the bottom of all footings shall be a minimum of 12" below grade. Any fill shall be placed under the direction or recommendation
- of a licensed professional engineer.
  The resulting soil shall be compacted to a minimum of 95%
- maximum dry density.

  Excavations of footings shall be lined temporarily with a 6 mil polyethylene membrane If placement of concrete does not occur within 24 hours of excavation.
- No concrete shall be placed against any subgrade containing water, ice, frost, or loose material.

- STRUCTURAL STEEL:

  1. Structural steel shall be fabricated and erected in accordance with the American Institute of Steel Construction "Code of Standard Practice for Steel Buildings and Bridges" and the manual of Steel Construction "Load Resistance Factor Design latest editions.
- Structural steel shall receive one coat of shop applied
- rust-inhibitive paint.

  3. All steel shall have a minimum yield stress (F<sub>m</sub>) of 36 kg unless
- otherwise noted.

  Welding shall conform to the latest edition of the American Welding Society's Structural Welding Code AUS DII. Electrodes for shop and field welding shall be class ETOXX. All welding shall be performed by a certified welder per the above

- NUMBELIE:
  Concrete shall have a normal weight aggregate and a minimum compressive strength (Fe) at 28 days of 3000 psi, unless otherwise noted on the plan.
  Concrete shall be proportioned, mixed, and placed in
- accordance with the latest editions of ACI 318: "Building Code Requirements for Reinforced Concrete" and ACI 301: "Specifications for Structural Concrete for Buildings".
- Air entrained concrete must be used for all structural elements exposed to freeze/thaw cycles and deicing chemicals. Air entrainment amounts (in percent) shall be within -1% to +2% of target values as follows:
- 3.1. Footings: 5% 3.2. Exterior Slabs: 5%
- 4. No admixtures shall be added to any structural concrete without written permission of the SER.

- Concrete slabs-on-grade shall be constructed in accordance Construction"
- The concrete slab-on-grade has been designed using a subgrade modulus of k=250 pci and a design loading of 200 psf. The SER is not responsible for differential settlement, slab cracking or other future defects resulting from unreported conditions not in accordance with the above assumptions.

  Control or saw cut joints shall be spaced in interior
- slabs-on-arade at a maximum of 15'-0" O.C. and in exterior slabs-on-grade at a maximum of 10'-0" unless otherwise noted.
- Control or saw cut joints shall be produced using conventional process within 4 to 12 hours after the slab has been finished
- process within 4 to 12 hours after the slab has been inlined.

  Reinforcing steel may not extend through a beau cut joint.

  Reinforcing steel may extend through a sau cut joint.

  10. All welded wire fabric (www.) for concrete slabs-on-grade shall be placed at mid-depth of slab. The WWF, shall be securely supported during the concrete pour.

- CONCRETE REINFORCEMENT:

  1. Fibrous congrete reinforcement, or fibermesh, specified in concrete slabs-on-grade may be used for control of racking due to shrinkage and thermal expansion/contraction lowered water migration, an increase in impact capacity, increased abrasion resistance, and residual strength.
- Fibermesh reinforcing to be 100% virgin polypropylene fibers containing no reprocessed olefin materials and specifically manufactured for use as concrete secondary reinforcement.
- Application of fibermesh per cubic yard of concrete shall equal a minimum of 01% by volume (15 pounds per cubic yard) fibermesh shall comply with ASTM CIII6, any local building code requirements, and shall meet or exceed the current industry
- standard.
  Steel reinforcing bars shall be new billet steel conforming to
- office reinforcing bars shall be new brillet steet combining to ASTM Abig grade 60.

  Detailing, fabrication, and placement of reinforcing steel shall be in accordance with the latest edition of ACI 315: "Manual of Standard Practice for Detailing Concrete Structures"

  Horizontal footing and wall reinforcement shall be continuous and shall have 30" bends, or corner bars with the same size/spacing as the horizontal reinforcement with a class B
- tension splice. Lap reinforcement as required, a minimum of 40 bar diameters for tension or compression unless otherwise noted. Splices in masonry shall be a minimum of 48 bar diameters.

- Where reinforcing dowels are required, they shall be equivalent in size and spacing to the vertical reinforcement. The dowel shall extend 48 bar diameters vertically and 20 bar diameters
- into the footing.

  10. Where reinforcing steel is required vertically, dowels shall be provided unless otherwise noted.
  - WOOD FRAMING: Solid sawn wood framing members shall conform to the specifications listed in the latest edition of the "National" Design Specification for Wood Construction" (NDS), Unless otherwise noted, all wood framing members are designed to be
  - Spruce-Yellow-Pine (SYP) 2.

    LVL or PSL engineered wood shall have the following minimum ign values: 2.1. E = 1,900,000 psi

    - 2.2.F<sub>b</sub> = 26000 psi 2.3.F<sub>v</sub> = 285 psi 2.4.Fc = 100 psi
- Wood in contact with concrete, masonry, or earth shall be pressure treated in accordance with AWPA standard C-15. All other moisture exposed wood shall be treated in accordance with AWPA standard C-2
- with a varication of the Nails shall be common wire nails unless otherwise noted.

  Lag screws shall conform to ANSI/ASME standard B182.1-1981.

  Lead holes for lag screws shall be in accordance with NDS consolidations.
- specifications. All beams shall have full bearing on supporting framing members
- unless otherwise noted.

  Exterior and load bearing stud walls are to be 2x4 SYP 12 = 16" O.C. unless otherwise noted. Studs shall be continuous from the sole plate to the double top plate. Studs shall only be discontinuous at headers for window/door openings. A minimum of one king stud shall be placed at each end of the header.
- of one king stud shall be placed at each end of the header. King stude shall be continuous. Individual stude forming a column shall be attached with one lød nall e 6" O.C. staggered. The stud column shall be continuous to the foundation or beam. The column shall be properly blocked at all floor levels to ensure proper load transfer.
- Multi-ply beams shall have each ply attached with (3) 10d nails @ 24" O.C.
- 10. Flitch beams, 4-ply beams and 3-ply side loaded beams shall be bolted together with (2) rous of 1/2" diameter through bolts staggered # 16" O.C. unless noted otherwise. Min. edge distance shall be 2" and (2) bolts shall be located a min. 6" from each

# WOOD TRUSSES:

- 200 TRUSCES.

  The wood truss manufacturer/fabricator is responsible for the design of the wood trusses. Submit sealed shop drawings and supporting calculations to the SER for review prior to fabrication. The SER shall have a minimum of five (5) days for review. The review by the SER shall review for overall compliance with the design documents. The SER shall assume no responsibility for the correctness for the structural design for the wood trusses, shall be designed for all required loadings as a neptifical in the local building roots the ASES Standard.
- Ins wood trusses shall be designed for all required loadings as specified in the local building code, the AGCE Standard "Minimum Design Loads for Buildings and Other Structures."

  (ASCE 1-05), and the loading requirements shown on these specifications. The truss drawings shall be coordinated with all other construction documents and provisions provided for loads shown on these drawings including but not limited to HVAC equipment, piping, and architectural fixtures attached to
- The trusses shall be designed, fabricated, and erected in accordance with the latest edition of the "National Design Specification for Wood Construction" (NDS) and "Design Specification for Metal Plate Connected Wood Trusses."
- 4. The truss manufacturer shall provide adequate bracing information in accordance with "Commentary and Recommendations for Handling, Installing, and Bracing Metal Plate Connected Wood Trusses" (HIB-91). This bracing, both temporary and permanent, shall be shown on the shop drawings.

  Also, the shop drawings shall show the required attachments for
- the trusses.

  5. Any chords or truss webs shown on these drawings have been shown as a reference only. The final design of the trusses shall

# EXTERIOR WOOD FRAMED DECKS:

Decks are to be framed in accordance with local building codes and as referenced on the structural plans, either through code references or construction details.

WOOD STRUCTURAL PANELS:

I. Fabrication and placement of structural wood sheathing shall be in accordance with the APA Design/Construction Guide "Residential and Commercial," and all other applicable APA

All structurally required wood sheathing shall bear the mark of

- Wood wall sheathing shall comply with the requirements of local building codes for the appropriate state as indicated on these drawings. Refer to wall bracing notes in plan set for more
- information. Sheathing shall be applied with the long direction perpendicular to framing, unless noted otherwise.

  Roof sheathing shall be APA rated sheathing exposure I or 2. Roof sheathing shall be continuous over two supports and attached to its supporting roof framing with (1)-8d CC nail at 6"o/c at panel edges and at 12"o/c in panel field unless otherwise noted on the plans. Sheathing shall be applied with the long direction perpendicular to framing. Sheathing shall have a span rating consistent with the framing spacing. Use
- have a span rating consistent with the framing spacing, Use suitable edge support by use of plywood clips or lumber blocking unless otherwise noted. Panel end joints shall occur over framing. Apply building paper over the sheathing as required by the state Building Code.

  Wood floor sheathing to its supporting framing with (1)-bd CC ringshank nail at 6"0/c at panel edges and at 12"o/c in panel field unless otherwise noted on the plans. Sheathing shall be applied perpendicular to framing. Sheathing shall have a span rating consistent with the framing spacing. Use suitable edge support to use of TKG bluecod or lumber tolocking unless support by use of T4G plywood or lumber blocking unless otherwise note. Panel and joints shall occur over framing. Apply building paper over the sheathing as required by the
- state Building Code.

  Sheathing shall have a 1/8" gap at panel ends and edges as recommended in accordance with the APA.

- STRUCTURAL FIBERBOARD PANELS:

  I. Fabrication and placement of structural fiberboard sheathing shall be in accordance with the applicable AFA standards All structurally required fiberboard sheathing shall bear the mark of the AFA.
- Fiberboard wall sheathing shall comply with the requirements of local building codes for the appropriate state as indicated on these drawings. Refer to wall bracing notes in plan set for more
- Sheathing shall have a 1/8" gap at panel ends and edges are



CLIENT: DR Horton Carolina Divis 8001 Arrowridge Blvd. **Charlotte, NC 282**13

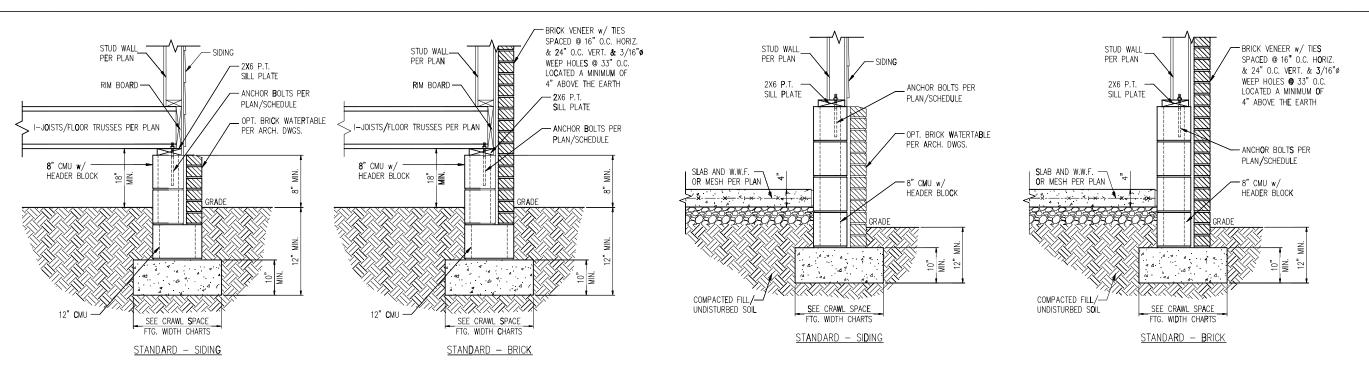
Details Foundation Space 1 PROJECT: Standard D Crawl



RAUNG DATE: Ø2/14/2023 9CALE: 22x34 V4"+1'-6" lbtT V8"+1'-6" PROJECT 4 528-66R DRAWN BY: JOEF CHECKED BY: BCP

REFER TO GOVER SHEET FOR A COMPLETE LIST OF REVISIONS

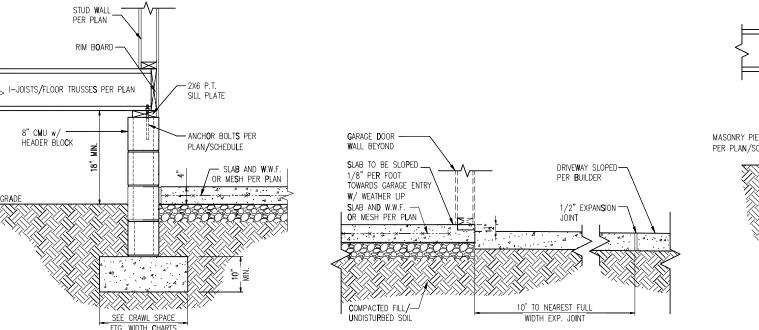




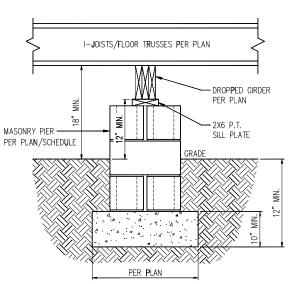
TYP. FOUNDATION WALL DETAIL

HOUSE/GARAGE WALL DETAIL N.T.S.

TYP. GARAGE CURB DETAIL



SLAB AT GARAGE DOOR



TYP. PIER & GI**R**DER DETAIL

WALL ANCHOR SCHEDULE

STORY - BRICK VENEER

PIER SIZE AND HEIGHT SCHEDULE

8"X16" UP TO 32" HEIGHT UP TO 5'-0" HEIGHT 12"X16" UP TO 48" HEIGHT UP TO 9'-0" HEIGHT

16"X16" UP TO 64" HEIGHT UP TO 12'-0" HEIGHT\*
24"X24" UP TO 96" HEIGHT UP TO 12'-0" HEIGHT\* \*(4) #4 CONT. REBAR w/ #3 STIRRUPS @ 16" O.C.

150**0** PSF

\*5" BRICK LEDGE HAS BEEN ADDED TO THE CRAWL SPACE

SI**Z**E HOLLOW

AND 24" MIN. LAP JOINTS

# OF STORIES

STORY - STD.

STORY - STD

CRAWL SPACE FOOTING WIDTH

STORY - BRICK VENEER 21"\*

STORY - BRICK VENEER 32"\*

FOOTING WIDTH FOR BRICK SUPPORT

	WALL ANGION SCHEDOLL				
	TYPE OF ANCHOR	MIN. CONC.	SPACING	INTERI <b>O</b> R	EXTERIOR
		EMBED <b>M</b> ENT	EMBEDMENT	WALL	WALL
	1/2"ø A3 <b>0</b> 7 BOLT <b>S</b> w/	7"	6'-0"	YES	YES
	STD. 90° <b>B</b> END				
	SST - MAS	4"	5'-0"	NO	YES
١	HILTI KWIK BOLT KBI 1/2-2-3/4	2-1/4"	6'-0"	YES	NO
	1/2"ø HILTI THREADED ROD	7"	6'-0"	YES	YES
	w/ HIT HY150 ADHESIVE				

NOTE: INSTALL ALL ANCHORS 12" MAX. FROM ALL BOTTOM PLATE ENDS AND JOINTS.

NOTES:

1. REFER TO GENERAL NOTES & SPECIFICATIONS ON COVERSHEET FOR ADDITIONAL INFORMATION.

WIDTH BASED ON SOIL BEARING CAPACITY

24"\*

2000 PSF 2500 PSF

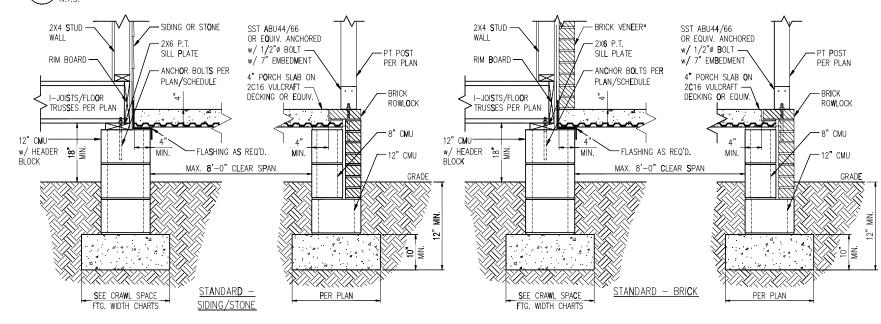
21"\*

16"

24"\*

- PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE. . SEE ARCH. DWGS. FOR ALL TOP OF THE SLAB ELEVATIONS, SLOPES AND DEPRESSIONS.
- 4. REFER TO STRUCTURAL PLANS AND FRAMING DETAILS FOR BRACED WALL PANEL LAYOUT, DIMENSIONS, ATTACHMENT AND
- CONNECTIONS 5. REFER TO LOCAL AND STATEWIDE CODES FOR ADDITIONAL AMENDMENTS AND REQUIREMENTS NOT SHOWN
- 6. PERIMETER INSULATION SHOWN AS REQUIRED BY LOCAL CLIMATE ZONE. INSTALL PER TABLE N1102.1.2 OF THE 2018 NCRC





10 FRONT PORCH DETAIL W/ SUSPENDED SLAB

# DECK ATTACHMENT SCHEDULE (ALL STRUCTURES EXCEPT BRICK)

FAST <b>E</b> NERS	MAX. 8'-0" JOIST	MAX. 16'-0" JOIST
	SPAN	SPAN
5/8" GALV. BOLTS w/ NUT & WASHER b	(1) <b>@</b> 3'-6" O.C.	(1) @ 1'-8" O.C.
AND	AND	AND
12d COMMON GALV. NAILS C	(2) @ 8" O.C.	(3) @ 6" O.C.

- a. ATTACHMENT INTERPOLATION BETWEEN 8' AND 16' JOIST SPANS IS ALLOWED.
- b. MINIMUM EDGE DISTANCE FOR BOLTS IS  $2\frac{1}{2}$ ".
- c. NAILS MUST PENETRATE THE SUPPORTING STRUCTURE BAND A MINIMUM OF 11/2"

# DECK ATTACHMENT SCHEDULE (BRICK STRUCTURES)

FASTENERS	MAX. 8'-0" JOIST	MAX. 16'-0" JOIST
	SPAN	SPAN
5/8" GALV. BOLTS w/ NUT & WASHER	(1) <b>@</b> 2'-4" O.C.	(1) @ 1'-4" O.C.

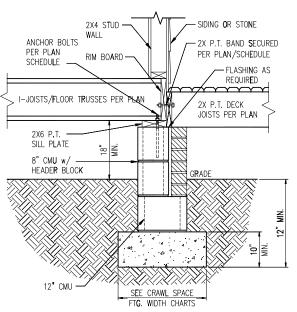
- a. ATTACHMENT INTERPOLATION BETWEEN 8' AND 16' JOIST SPANS IS ALLOWED.
- b. MINIMUM EDGE DISTANCE FOR BOLTS IS  $2\frac{1}{2}$ ".

# CRAWL SPACE FOOTING WIDTH

FOOTING WIDTH FOR BRICK SUPPORT

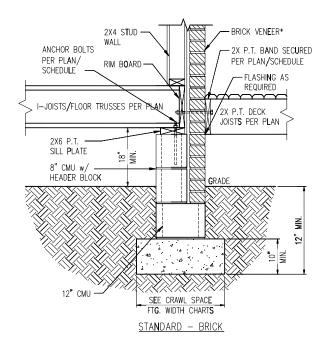
# OF STURIES	WIDTH BASED ON SOIL BEARING CAPACITY		
	1500 PSF	2000 <b>P</b> SF	2500 P <b>S</b> F
1 STORY - STD.	16"	16"	16"
1 Story – Brick <b>V</b> eneer	21"*	21"*	21"*
2 STORY - STD.	16"	16"	16"
2 Story – Brick <b>V</b> eneer	21"*	21"*	21"*
3 STORY - STD.	23"	18"	18"
3 Story – Brick <b>V</b> eneer	32"*	24"*	24"*
*5" BRICK LEDGE HAS BEEN A	ADDED TO THE	CRAWL SPACE	

\*BRICK TIES SPACED @ 16" Q.C. HORIZ. & 24" O.C. VERT. AND 3/16" WEEP HOLES @ 33" O.C. LOCATED A MINIMUM OF 4" ABOVE THE EARTH



STANDARD - SIDING/STONE

# \DECK ATTACHMENT DETAIL



DECK ATTACHMENT DETAIL W/ BRICK

- NOTES:

  1. REFER TO GENERAL NOTES & SPECIFICATIONS ON COVERSHEET FOR ADDITIONAL INFORMATION.
- PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE. . SEE ARCH. DWGS. FOR ALL TOP OF THE SLAB ELEVATIONS, SLOPES AND DEPRESSIONS.
- 4. REFER TO STRUCTURAL PLANS AND FRAMING DETAILS FOR BRACED WALL PANEL LAYOUT, DIMENSIONS, ATTACHMENT AND
- CONNECTIONS 5. REFER TO LOCAL AND STATEWIDE CODES FOR ADDITIONAL AMENDMENTS AND REQUIREMENTS NOT SHOWN
- 6. PERIMETER INSULATION SHOWN AS REQUIRED BY LOCAL CLIMATE ZONE. INSTALL PER TABLE N1102.1.2 OF THE 2018 NCRC





CLIENT: DR Horton Carolina DIVI 8001 Arrowrldge BIVd. **Charlotte, NC 282**73

Details Foundation Space 1 PROJECT: Standard Di Crawl



DATE: Ø2/4/2023 9CALE: 22x34 1/4"+1"-6" lbcT 1/8"+1"-6" PROJECT 4 528-66R DRAWN BY: JOEF CHECKED BY: BCP

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

D2c



Details PROJECT. Standard Details (0x-16) Crawl Space Foundation D

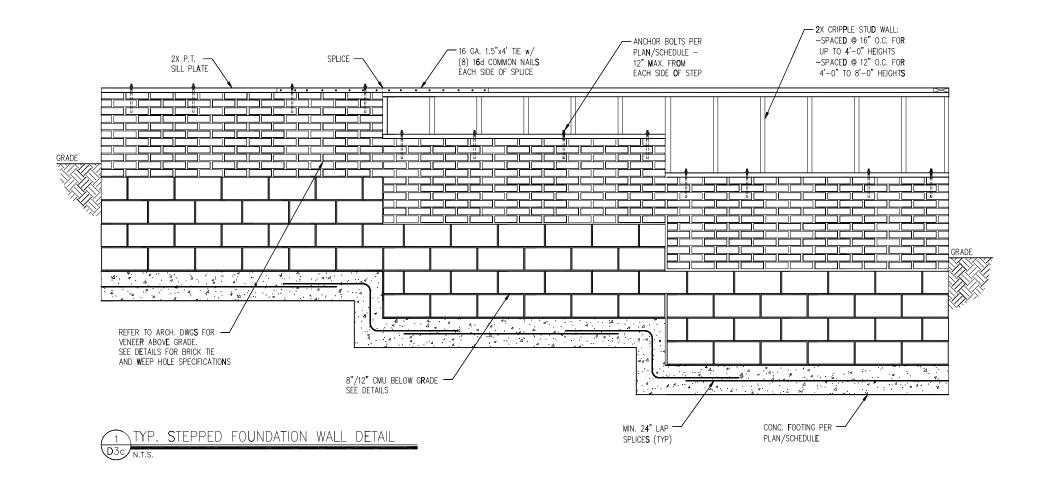


DRAUNG DATE: 02/14/2023 8CALE: 22x34 V4"+1"-6" lbtT V8"+1"-6" PROJECT & 528-696R DRAWN BY: JCEF CHECKED SY: BCP

ORIGINAL INFORMATION
PROJECT DATE
1/31/2011

REFER TO GOVER SHEET FOR A COMPLETE LIST OF REVISIONS

D3c



- NOTES: 1. REFER TO GENERAL NOTES & SPECIFICATIONS ON COVERSHEET FOR ADDITIONAL INFORMATION.
- 2. PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE.
  3. SEE ARCH. DWGS. FOR ALL TOP OF THE SLAB ELEVATIONS,
  SLOPES AND DEPRESSIONS.
  4. REFER TO STRUCTURAL PLANS AND FRAMING DETAILS FOR
- BRACED WALL PANEL LAYOUT, DIMENSIONS, ATTACHMENT AND CONNECTIONS
  5. REFER TO LOCAL AND STATEWIDE CODES FOR ADDITIONAL AMENDMENTS AND REQUIREMENTS NOT SHOWN
- 6. PERIMETER INSULATION SHOWN AS REQUIRED BY LOCAL CLIMATE
- ZONE. INSTALL PER TABLE N1102.1.2 OF THE 2018 NCRC



CLIENT: DR Horton Carolina Divis 8001 Arrowridge Blvd. **Charlotte, NC 282**13

Details Foundation | Space | PROJECT: Standard D Crawl



RAUNG DATE: Ø2/14/2023 9CALE: 22x34 V4"+1"+0" lbtT V8"+1"+0" PROJECT 1 528-66R DRAWN BY: JOEF CHECKED BY: BCP

NOTES:

1. REFER TO GENERAL NOTES & SPECIFICATIONS ON COVERSHEET

SEE ARCH. DWGS. FOR ALL TOP OF THE SLAB ELEVATIONS, SLOPES AND DEPRESSIONS.

4. REFER TO STRUCTURAL PLANS AND FRAMING DETAILS FOR

5. REFER TO LOCAL AND STATEWIDE CODES FOR ADDITIONAL AMENDMENTS AND REQUIREMENTS NOT SHOWN 6. PERIMETER INSULATION SHOWN AS REQUIRED BY LOCAL CLIMATE ZONE. INSTALL PER TABLE N1102.1.2 OF THE 2018 NCRC

PROVIDE 6 MIL VAPOR BARRIER UNDER ALL SLABS-ON-GRADE.

BRACED WALL PANEL LAYOUT, DIMENSIONS, ATTACHMENT AND

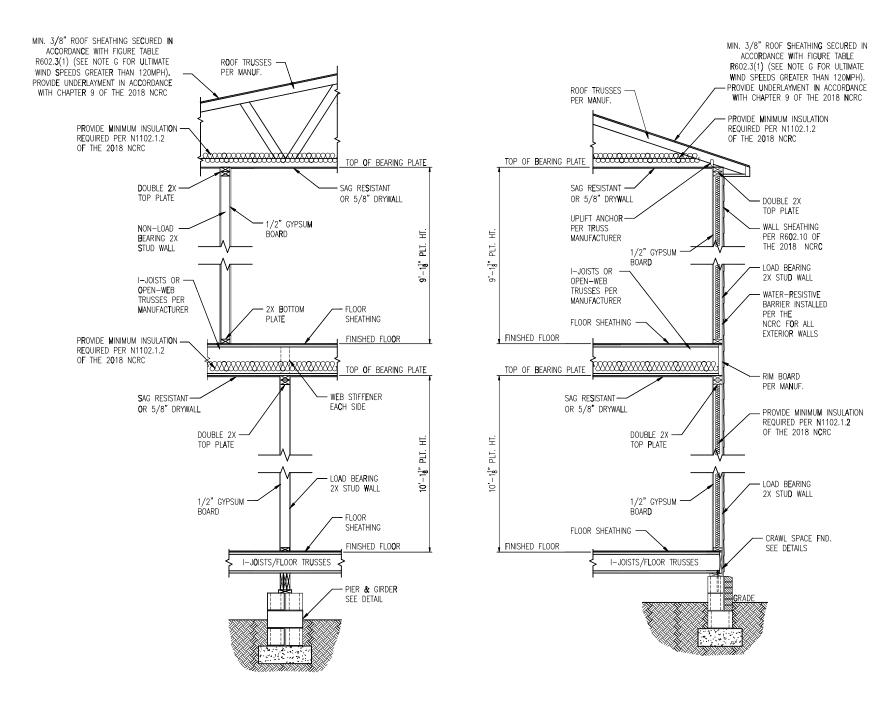
FOR ADDITIONAL INFORMATION.

CONNECTIONS

ORIGINAL INFORMATION
PROJECT DATE
1/31/2011

REFER TO COVER SHEET FOR A COMPLETE LIST OF REVISIONS

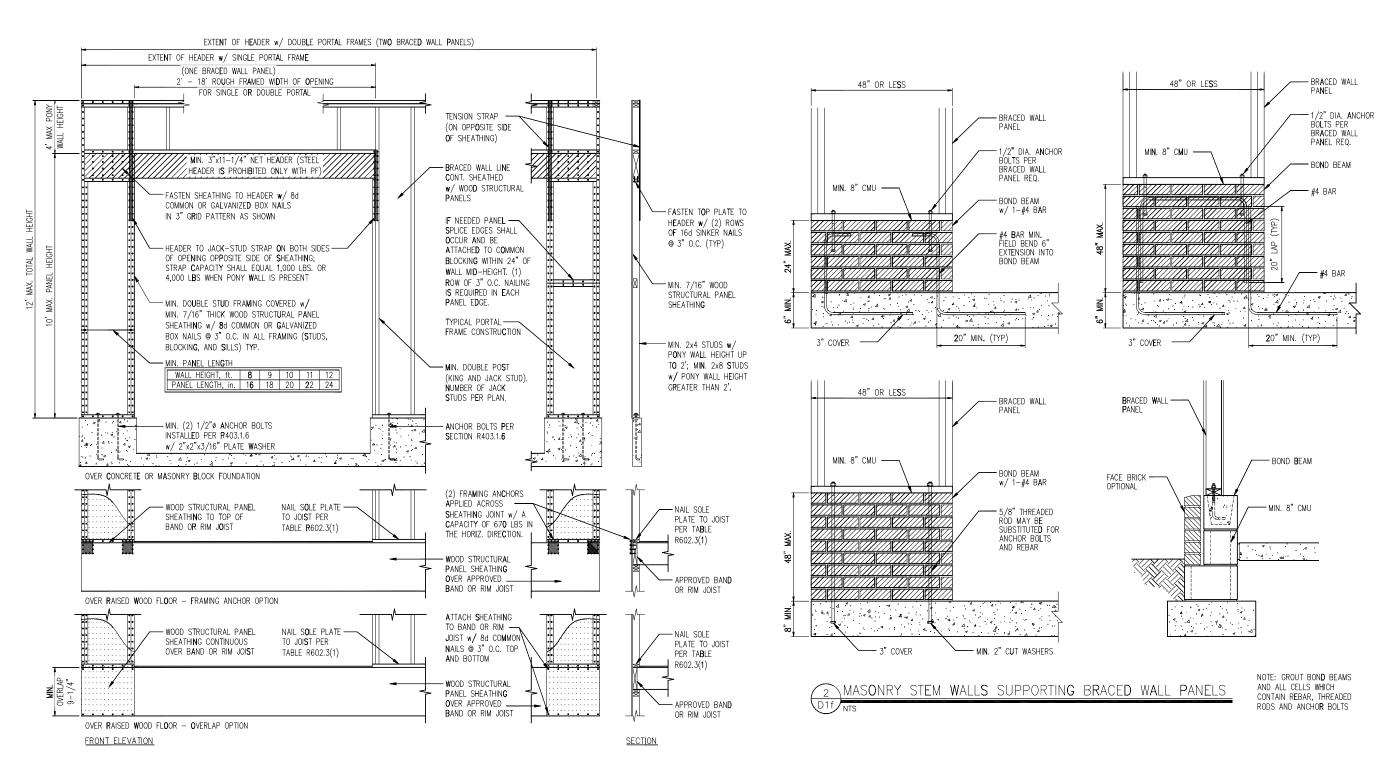
D4c



1 TYP. INTERIOR LOAD BEARING WALL SECTION

TYP. EXTERIOR LOAD BEARING WALL SECTION

-SIMILAR W/ BRICK AND STONE -BRICK TIES SPACED © 16" O.C. HORIZ. & 24" O.C. VERT. -MIN. 3/16"0 WEEP HOLES © 33" O.C.



METHOD PF: PORTAL FRAME DETAIL

SUMMIT
120 PERMAC DR., SUITE 100
RALEIGN, NC 27003
OFFICE: 919.380,9991
FAX: 151,380,5993



na Division Blvd. 13

CLIENT:
DR Horton Carolina DIVI
8001 Arrounidge Bivd.
Charlotte, NC 20213

PROJECT: Standard Details (0x-15) Framing Details



DATE: 02/4/02/3

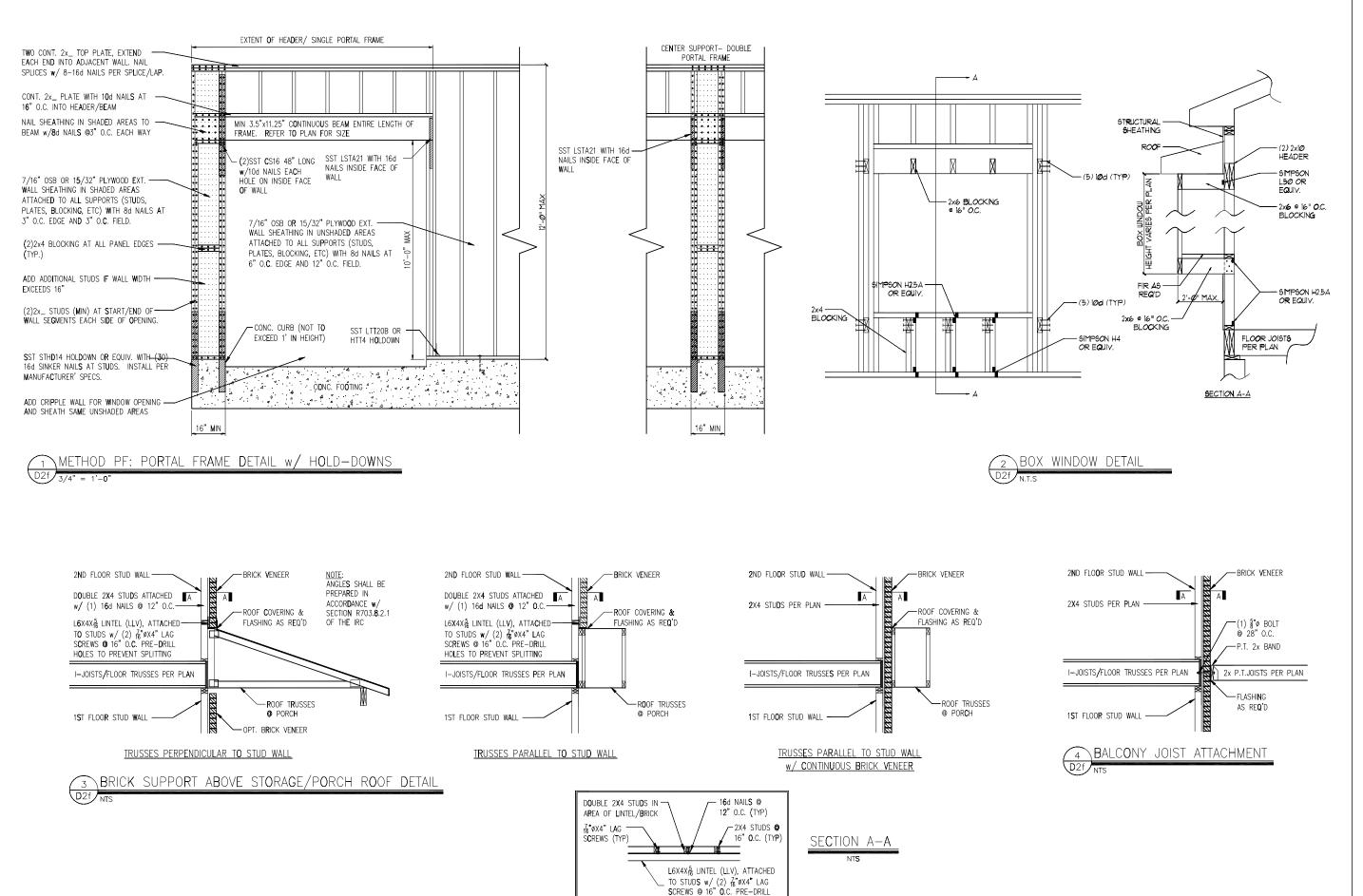
SCALE: 22/94 1/4\*+1\*-0\*\*
INIT 1/8\*+1\*-0\*\*
PROJECT 1: 528-06R

DRAIN BY: JCEF
CHECKED BY: BCP

ORIGINAL INFORMATION
PROJECT DATE
1/31/2017

REFER TO GOVER SHEET FOR A COMPLETE LIST OF REVISIONS

Dlf



HOLES TO PREVENT SPLITTING

SUMMIT

120 PRIMAC DR., SUIT 108
ALLEIGH, NC. 2703
OFFICE: 193.30.9991
FAX: 913.30.9993
WW.SUMHT-COMPARIES, COM



ENT:
Horton Carolina Division
3) Arrowriage Blvd.

PROJECT. Standard Details (0x-18) Framing Details

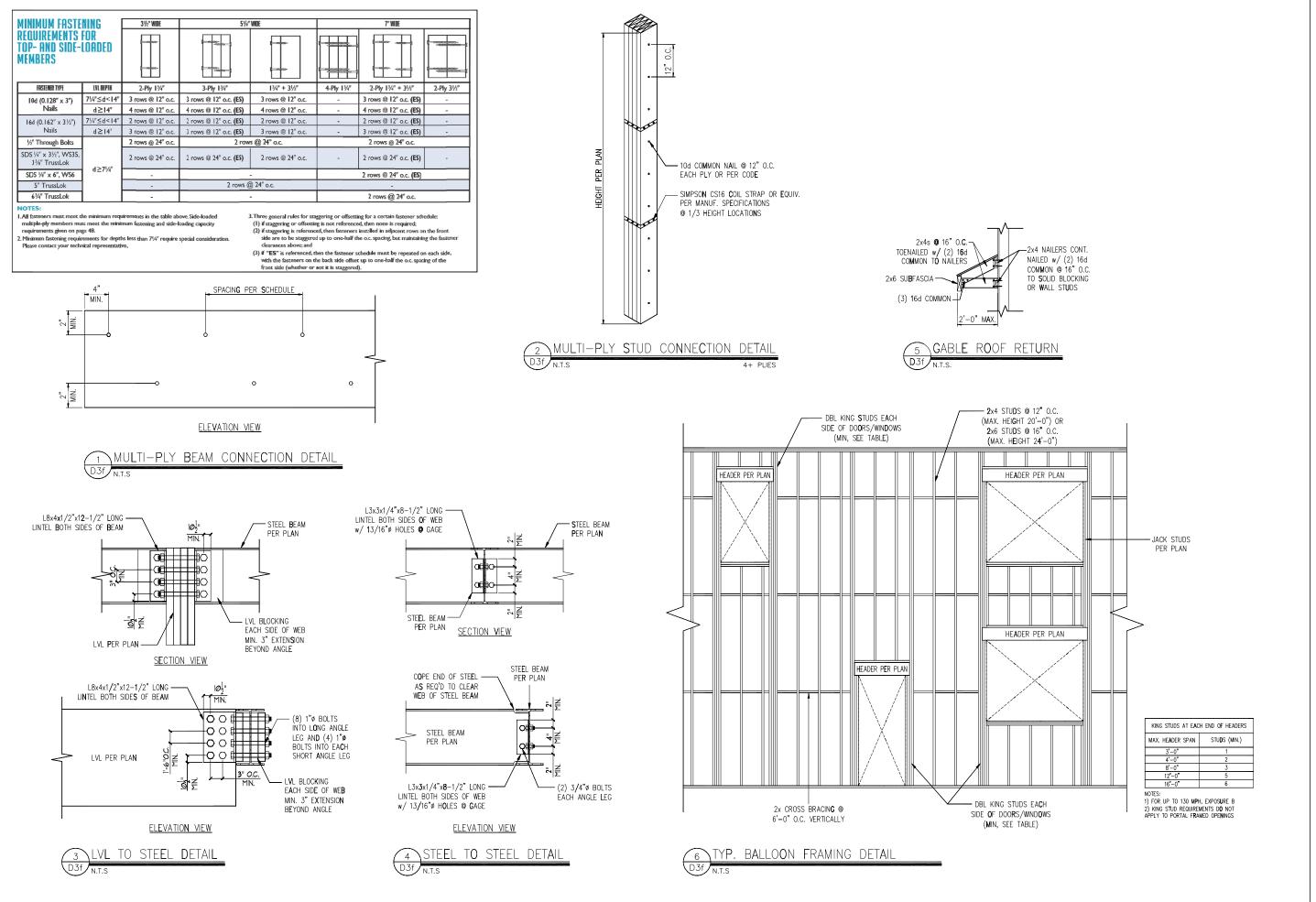


DRAWNG
DATE: 62/M/0623
SCALE: 22/64 1/4\*-11-6F
INT 10-69-11-6F
PROJECT 1-508-06-R
DRAWN BY: JCEF
CHECKED BY: BCP

PROJECT DATE
1/31/2011

REFER TO **C**OVER SHEET FOR A COMPLETE LIST OF REVISIONS

D2f







alls (0x-15) | Detail PROJECT: Standard Details Framing



DATE: Ø2/4/2023 9CALE: 22x34 V4"+1'-6" lbtT V8"+1'-6" PROJECT & 528-66R DRAWN BY: JOEF CHECKED BY: BCP

REFER TO GOVER SHEET FOR A COMPLETE LIST OF REVISIONS

D3f